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Cover Page

Order ID : P4721

Project ID : North Point

Client : ENTACT

Lab Sample Number	Client Sample Number
P4721-01	EX-2-TPH-1
P4721-02	EX-2-TPH-2
P4721-03	EX-2-TPH-3
P4721-04	EX-11-TPH-1
P4721-05	EX-11-TPH-2
P4721-06	EX-11-TPH-3
P4721-07	EX-11-TPH-4
P4721-08	EX-9-TPH-1
P4721-09	EX-9-TPH-2
P4721-10	EX-9-TPH-3
P4721-11	EX-9-TPH-4
P4721-12	EX-9-TPH-5
P4721-13	EX-9-TPH-6
P4721-14	EX-9-TPH-7
P4721-15	EX-9-TPH-8

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: 11/14/2024

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 #: **P4721**

	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:** **11/14/2024**

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LAB CHRONICLE

OrderID:	P4721	**OrderDate:**	11/5/2024 3:27:00 PM
Client:	ENTACT	**Project:**	North Point
Contact:	Wyatt Seel	**Location:**	L23

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4721-01	**EX-2-TPH-1**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-01DL	**EX-2-TPH-1DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-01DL2	**EX-2-TPH-1DL2**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-02	**EX-2-TPH-2**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-02DL	**EX-2-TPH-2DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-02DL2	**EX-2-TPH-2DL2**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-03	**EX-2-TPH-3**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/06/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-03DL	**EX-2-TPH-3DL**	**Solid**			**11/05/24**			**11/05/24**

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LAB CHRONICLE

			EPH	NJEPH		11/08/24	11/11/24	
P4721-04	**EX-11-TPH-1**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-04DL	**EX-11-TPH-1DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-04DL2	**EX-11-TPH-1DL2**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-05	**EX-11-TPH-2**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-05DL	**EX-11-TPH-2DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-06	**EX-11-TPH-3**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/07/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-06DL	**EX-11-TPH-3DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-07	**EX-11-TPH-4**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/06/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-07DL	**EX-11-TPH-4DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	

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LAB CHRONICLE

P4721-07DL2	**EX-11-TPH-4DL2**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-08	**EX-9-TPH-1**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/06/24	
			EPH	NJEPH		11/08/24	11/08/24	
P4721-09	**EX-9-TPH-2**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/07/24	
			Gasoline Range Organics	8015D			11/06/24	
			EPH	NJEPH		11/08/24	11/08/24	
P4721-10	**EX-9-TPH-3**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/07/24	
			Gasoline Range Organics	8015D			11/06/24	
			EPH	NJEPH		11/08/24	11/08/24	
P4721-11	**EX-9-TPH-4**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/07/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-11DL	**EX-9-TPH-4DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-12	**EX-9-TPH-5**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/08/24	
			EPH	NJEPH		11/08/24	11/08/24	
P4721-13	**EX-9-TPH-6**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/06/24	
			EPH	NJEPH		11/08/24	11/08/24	
P4721-14	**EX-9-TPH-7**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/08/24	

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LAB CHRONICLE

			EPH	NJEPH		11/08/24	11/08/24	
			EPH	NJEPH		11/08/24	11/11/24	
P4721-14DL	**EX-9-TPH-7DL**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-14DL 2	**EX-9-TPH-7DL2**	**Solid**			**11/05/24**			**11/05/24**
			EPH	NJEPH		11/08/24	11/11/24	
P4721-15	**EX-9-TPH-8**	**SOIL**			**11/05/24**			**11/05/24**
			Diesel Range Organics	8015D		11/07/24	11/08/24	
			Gasoline Range Organics	8015D			11/07/24	
			EPH	NJEPH		11/08/24	11/08/24	

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FC110824AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-307-SB01MS	71			0
WB-307-SB01MSD	72			0
EX-2-TPH-1	78			0
EX-2-TPH-2	75			0
PB164790BL	86			0
PB164790BS	76			0
PB164790BSD	80			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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FC111124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-2-TPH-1DL	99			0
EX-2-TPH-1DL2	0 *			1
EX-2-TPH-2DL	89			0
EX-2-TPH-2DL2	84			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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FD110824AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-307-SB01MS	119	108	68	0
WB-307-SB01MSD	119	108	70	0
EX-2-TPH-1	121	132	65	0
EX-2-TPH-2	139	110	66	0
EX-2-TPH-3	140 *	135	91	1
EX-11-TPH-1	149 *	140	90	1
PB164790BL	92	63	81	0
PB164790BS	90	70	75	0
PB164790BSD	91	71	75	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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FD111124AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-2-TPH-1DL	180 *	125	73	1
EX-2-TPH-2DL	155 *	104	81	1
EX-2-TPH-3DL	160 *	131	104	1
EX-11-TPH-1DL	170 *	146 *	98	2
EX-11-TPH-1DL2	174 *	118	98	1
EX-11-TPH-3	127	109	70	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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FE110924AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-2-TPH-3	81			0
EX-11-TPH-1	107			0
EX-11-TPH-2	78			0
EX-11-TPH-3	71			0
EX-11-TPH-4	87			0
EX-9-TPH-1	74			0
EX-9-TPH-2	76			0
EX-9-TPH-3	65			0

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FE111124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-2-TPH-3DL	87			0
EX-11-TPH-1DL	92			0
EX-11-TPH-1DL2	98			0
EX-11-TPH-2DL	0 *			1
EX-11-TPH-3DL	72			0
EX-11-TPH-4DL	103			0
EX-11-TPH-4DL2	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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FF110824AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-11-TPH-2	150 *	126	74	1
EX-11-TPH-4	163 *	147 *	101	2
EX-9-TPH-1	126	120	77	0
EX-9-TPH-2	124	121	72	0
EX-9-TPH-3	109	108	67	0
EX-9-TPH-4	125	122	82	0
EX-9-TPH-5	102	99	63	0
EX-9-TPH-6	84	85	42	0
EX-9-TPH-7	133	123	53	0
EX-9-TPH-8	86	86	45	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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FF111124AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)		2-Flurobiphenyl (SURR)		ortho-Terphenyl (SURR)	TOT OUT
EX-11-TPH-2DL	181	*	123		85	1
EX-11-TPH-4DL	183	*	165	*	112	2
EX-11-TPH-4DL2	208	*	188	*	116	2
EX-9-TPH-7DL	125		132		59	0
EX-9-TPH-7DL2	168	*	165	*	75	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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FG110824AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-9-TPH-4	84			0
EX-9-TPH-5	70			0
EX-9-TPH-6	51			0
EX-9-TPH-7	44			0
EX-9-TPH-8	56			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.: P4721 SAS No.: P4721 SDG No.: P4721

Run Number: FG111124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-9-TPH-4DL	83			0
EX-9-TPH-7DL	54			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

	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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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : P4718-01MS **Datafile:** FC067675.D

Client ID : WB-307-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	12.8	0.83	10.4	75		(40-140)
Aliphatic C12-C16	8.5	17.0	28.9	139		(40-140)
Aliphatic C16-C21	12.8	0.48	14.3	108		(40-140)
Aliphatic C21-C28	17.1	0	18.8	110		(40-140)
Aliphatic C28-C40	25.6	3.53	35.3	124		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : P4718-01MSD **Datafile:** FC067676.D

Client ID : WB-307-SB01MSD

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	12.8	0.83	10.3	74		1.21 |	(40-140)	25
Aliphatic C12-C16	8.5	17.0	28.7	137		1.45 |	(40-140)	25
Aliphatic C16-C21	12.8	0.48	14.2	107		0.93 |	(40-140)	25
Aliphatic C21-C28	17.1	0	18.8	110		0 |	(40-140)	25
Aliphatic C28-C40	25.6	3.53	35.3	124		0 |	(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:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : P4718-01MS **Datafile:** FD048678.D

Client ID : WB-307-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	8.5	0	7.34	86		(40-140)
Aromatic C12-C16	12.8	5.14	21.2	125		(40-140)
Aromatic C16-C21	21.3	1.85	26.1	113		(40-140)
Aromatic C21-C36	34.1	2.94	41.2	112		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : P4718-01MSD **Datafile:** FD048679.D

Client ID : WB-307-SB01MSD

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	8.5	0	7.47	88		1.73 |	(40-140)	25
Aromatic C12-C16	12.8	5.14	17.1	93		28.9 *|	(40-140)	25
Aromatic C16-C21	21.3	1.85	26.6	115		1.75 |	(40-140)	25
Aromatic C21-C36	34.2	2.94	43.0	117		4.37 |	(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:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : PB164790BS **Datafile:** FC067671.D

Client ID : PB164790BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.28	53		(40-140)
Aliphatic C12-C16	6.7	4.52	68		(40-140)
Aliphatic C16-C21	10.0	8.05	80		(40-140)
Aliphatic C21-C28	13.3	11.0	82		(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:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : PB164790BSD **Datafile:** FC067672.D

Client ID : PB164790BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.31	53		0.66|	(40-140)	50
Aliphatic C12-C16	6.7	4.55	68		0.76|	(40-140)	50
Aliphatic C16-C21	10	8.11	81		0.84|	(40-140)	50
Aliphatic C21-C28	13.3	11.1	83		1|	(40-140)	50
Aliphatic C28-C40	20.0	18.9	95		0.09|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : PB164790BS **Datafile:** FD048674.D

Client ID : PB164790BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.28	49		(40-140)
Aromatic C12-C16	10.0	6.04	60		(40-140)
Aromatic C16-C21	16.7	12.7	76		(40-140)
Aromatic C21-C36	26.7	20.3	76		(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:** P4721 **SAS No :** P4721 **SDG No:** P4721

Sample No : PB164790BSD **Datafile:** FD048675.D

Client ID : PB164790BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	3.32	50		1.3|	(40-140)	50
Aromatic C12-C16	10	6.08	61		0.76|	(40-140)	50
Aromatic C16-C21	16.7	12.8	77		0.88|	(40-140)	50
Aromatic C21-C36	26.6	20.5	77		0.98|	(40-140)	50

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164790BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG NO.: P4721

Instrument ID: FID_C Lab Sample ID: PB164790BL

Matrix: (soil/water) Solid Date Extracted: 11/8/2024 8:47:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164790BS	PB164790BS
PB164790BSD	PB164790BSD
WB-307-SB01MS	P4718-01MS
WB-307-SB01MSD	P4718-01MSD
EX-2-TPH-1	P4721-01
EX-2-TPH-2	P4721-02
EX-2-TPH-3	P4721-03
EX-11-TPH-1	P4721-04
EX-11-TPH-2	P4721-05
EX-11-TPH-3	P4721-06
EX-11-TPH-4	P4721-07
EX-9-TPH-1	P4721-08
EX-9-TPH-2	P4721-09
EX-9-TPH-3	P4721-10
EX-9-TPH-4	P4721-11
EX-9-TPH-5	P4721-12
EX-9-TPH-6	P4721-13
EX-9-TPH-7	P4721-14
EX-9-TPH-8	P4721-15

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.7	
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
11/08/24 08:47	11/11/24 10:25	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	746		50	21.8	57.5	mg/kg	FC067688.D
Aliphatic C12-C16	Aliphatic C12-C16	1790		200	55.2	153	mg/kg	FC067689.D
Aliphatic C16-C21	Aliphatic C16-C21	156		50	17.2	57.5	mg/kg	FC067688.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6		1	0.92	1.53	mg/kg	FC067680.D
Aliphatic C28-C40	Aliphatic C28-C40	6.02		1	2.07	2.30	mg/kg	FC067680.D
Aromatic C10-C12	Aromatic C10-C12	70.8		20	6.90	15.3	mg/kg	FD048691.D
Aromatic C12-C16	Aromatic C12-C16	368		20	7.82	23.0	mg/kg	FD048691.D
Aromatic C16-C21	Aromatic C16-C21	213		20	22.1	38.3	mg/kg	FD048691.D
Aromatic C21-C36	Aromatic C21-C36	8.72		1	2.30	3.07	mg/kg	FD048681.D
Total AliphaticEPH	Total AliphaticEPH	2710			97.2	272	mg/kg	
Total AromaticEPH	Total AromaticEPH	661			39.1	79.7	mg/kg	
Total EPH	Total EPH	3370			136	352	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.7	
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
FC067680.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	526	E	0.44	1.15	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1170	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	160	E	0.35	1.15	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.6		0.92	1.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.02		2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-01	Acq On:	08 Nov 2024 22:23
Client Sample ID:	EX-2-TPH-1	Operator:	YP/AJ
Data file:	FC067680.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	930464975	6870	300	ug/ml
Aliphatic C12-C16	6.451	9.841	2012207884	15300	200	ug/ml
Aliphatic C16-C21	9.842	13.199	266099878	2090	300	ug/ml
Aliphatic C21-C28	13.200	16.853	19742316	164.395	400	ug/ml
Aliphatic C28-C40	16.854	21.698	7935925	78.501	600	ug/ml
Aliphatic EPH	3.171	21.698	3236450978	24500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4197572	38.87		ug/ml
Aliphatic C9-C28	3.171	16.853	3228515053	24500	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067680.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 22:23
Operator : YP/AJ
Sample : P4721-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 09 01:38:51 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

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

Manual Integrations APPROVED

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.932	4197572	38.871 ug/mlm
Spiked Amount 50.000		Recovery = 77.74%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067680.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 22:23
Operator : YP/AJ
Sample : P4721-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

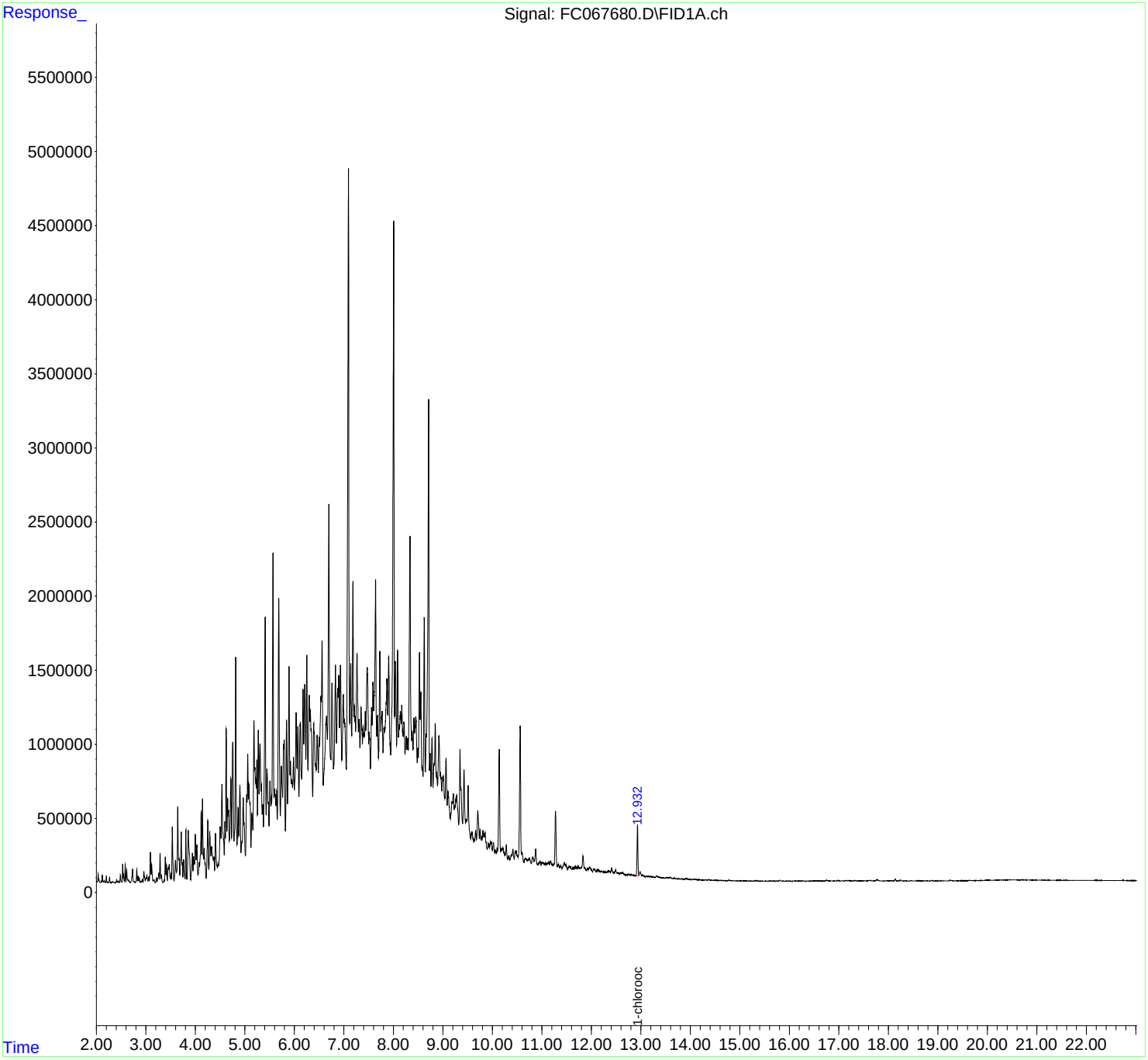
Instrument :
FID_C
ClientSampleId :
EX-2-TPH-1

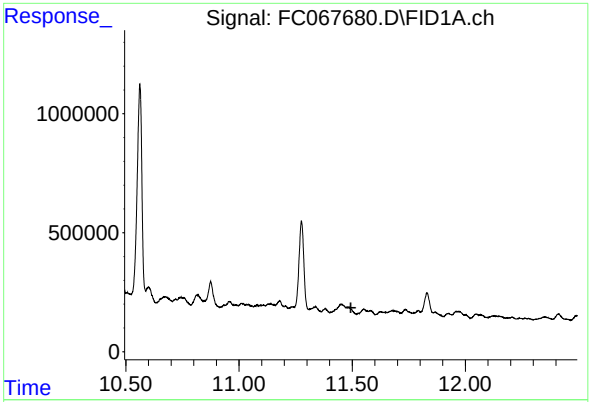
Manual Integrations APPROVED

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

Integration File: autoint1.e
Quant Time: Nov 09 01:38:51 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





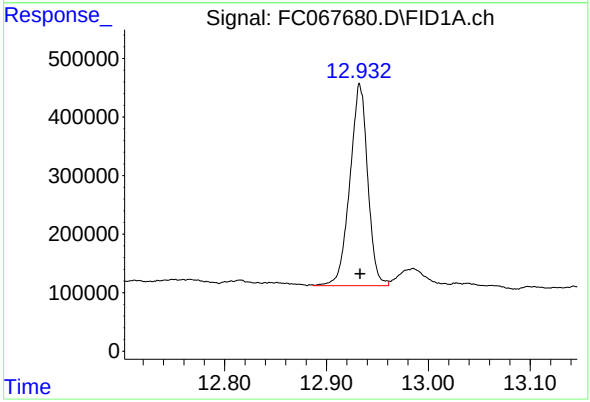
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

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

Manual Integrations APPROVED

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



#12 1-chlorooctadecane (SURR)

R.T.: 12.932 min
Delta R.T.: -0.001 min
Response: 4197572
Conc: 38.87 ug/ml m

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

rteres

Area Percent

Manual IntegrationsAPPROVED

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

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Da
Data File : FC067680.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 22:23
Sample : P4721-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.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	3.214	3.154	3.228	BV	24219	9194	0.01%	0.000%
2	3.260	3.228	3.272	PV	60461	806135	0.83%	0.025%
3	3.288	3.272	3.348	VV	193656	2415344	2.50%	0.075%
4	3.393	3.348	3.406	PV	172782	1803211	1.87%	0.056%
5	3.417	3.406	3.433	VV	120939	1191017	1.23%	0.037%
6	3.472	3.433	3.497	VV	124268	2900604	3.00%	0.090%
7	3.509	3.497	3.517	VV	61428	532924	0.55%	0.016%
8	3.535	3.517	3.569	VV	376637	4625735	4.79%	0.143%
9	3.599	3.569	3.618	VV	151244	2472137	2.56%	0.076%
10	3.645	3.618	3.686	VV	512617	8092811	8.38%	0.250%
11	3.715	3.686	3.747	VV	342591	5896812	6.10%	0.182%
12	3.763	3.747	3.790	VV	156600	2187207	2.26%	0.068%
13	3.809	3.790	3.828	VV	355122	3315236	3.43%	0.102%
14	3.857	3.828	3.904	VV	350075	7583929	7.85%	0.234%
15	3.940	3.904	3.953	VV	202173	3141372	3.25%	0.097%
16	3.966	3.953	3.983	VV	176252	2547078	2.64%	0.079%
17	3.999	3.983	4.017	VV	327495	4448676	4.60%	0.137%
18	4.031	4.017	4.053	VV	256802	3307728	3.42%	0.102%
19	4.076	4.053	4.084	VV	137922	1820733	1.88%	0.056%
20	4.117	4.084	4.129	VV	477104	6839388	7.08%	0.211%
21	4.144	4.129	4.166	VV	566404	7127992	7.38%	0.220%
22	4.179	4.166	4.217	VV	231329	4236321	4.38%	0.131%
23	4.251	4.217	4.271	VV	418708	6464898	6.69%	0.200%
24	4.292	4.271	4.314	VV	346356	5938831	6.15%	0.183%
25	4.328	4.314	4.363	VV	242944	5769568	5.97%	0.178%

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

rteres

Manual IntegrationsAPPROVED

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26	4.374	4.363	4.389	VV	175116	2155998	2.23%	0.067%
27	4.407	4.389	4.445	VV	331199	6		
28	4.458	4.445	4.468	VV	125285	1		
29	4.501	4.468	4.517	VV	375957	7		
30	4.536	4.517	4.582	VV	664101	15		
31	4.623	4.582	4.639	VV	1030859	16848044	17.44%	0.521%
32	4.652	4.639	4.688	VV	563374	13031615	13.49%	0.403%
33	4.716	4.688	4.731	VV	707464	12289618	12.72%	0.380%
34	4.754	4.731	4.780	VV	946428	18775534	19.43%	0.580%
35	4.815	4.780	4.842	VV	1514126	23821672	24.65%	0.736%
36	4.863	4.842	4.878	VV	508123	8313687	8.60%	0.257%
37	4.899	4.878	4.922	VV	653909	11953454	12.37%	0.369%
38	4.967	4.922	5.010	VV	572030	17986968	18.61%	0.556%
39	5.058	5.010	5.071	VV	865642	19548958	20.23%	0.604%
40	5.079	5.071	5.123	VV	664973	16236718	16.80%	0.502%
41	5.141	5.123	5.160	VV	464228	8697564	9.00%	0.269%
42	5.184	5.160	5.229	VV	1088559	30698205	31.77%	0.949%
43	5.241	5.229	5.254	VV	829444	10395936	10.76%	0.321%
44	5.271	5.254	5.286	VV	1026115	14776211	15.29%	0.457%
45	5.304	5.286	5.350	VV	935350	27113557	28.06%	0.838%
46	5.361	5.350	5.375	VV	525985	7062374	7.31%	0.218%
47	5.410	5.375	5.430	VV	1821329	30876358	31.95%	0.954%
48	5.447	5.430	5.487	VV	748678	20351873	21.06%	0.629%
49	5.507	5.487	5.524	VV	685096	12564389	13.00%	0.388%
50	5.535	5.524	5.541	VV	578397	5403744	5.59%	0.167%
51	5.568	5.541	5.589	VV	2221963	34891389	36.11%	1.078%
52	5.598	5.589	5.625	VV	628536	12620466	13.06%	0.390%
53	5.639	5.625	5.654	VV	620546	9512433	9.84%	0.294%
54	5.685	5.654	5.717	VV	1915424	37890022	39.21%	1.171%
55	5.737	5.717	5.762	VV	782551	17624276	18.24%	0.545%
56	5.794	5.762	5.819	VV	961838	24962637	25.83%	0.771%
57	5.842	5.819	5.862	VV	1092384	18665980	19.32%	0.577%
58	5.892	5.862	5.912	VV	1456953	28630078	29.63%	0.885%
59	5.921	5.912	5.937	VV	814623	11320293	11.72%	0.350%
60	5.947	5.937	5.962	VV	696214	10006459	10.36%	0.309%
61	5.983	5.962	6.000	VV	842856	16600949	17.18%	0.513%
62	6.036	6.000	6.054	VV	1151033	27695628	28.66%	0.856%
63	6.071	6.054	6.092	VV	1050471	19820761	20.51%	0.612%
64	6.120	6.092	6.147	VV	1084772	28209649	29.19%	0.872%
65	6.175	6.147	6.191	VV	1303988	26395566	27.32%	0.816%
66	6.210	6.191	6.232	VV	1324573	28155146	29.14%	0.870%
67	6.252	6.232	6.274	VV	1527458	28193304	29.18%	0.871%
68	6.300	6.274	6.315	VV	1261363	26000677	26.91%	0.803%
69	6.323	6.315	6.370	VV	1162509	31532600	32.63%	0.974%

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70	6.392	6.370	6.441	VV	1070703	36821528	38.11%	1.138%
71	6.461	6.441	6.485	VV	990313	22[illegible]		
72	6.501	6.485	6.510	VV	982075	13[illegible]		
73	6.560	6.510	6.584	VV	1638926	51[illegible]		
74	6.649	6.584	6.667	VV	1112367	45[illegible]	[illegible]	[illegible]
75	6.697	6.667	6.736	VV	2558948	58107597	60.13%	1.795%
76	6.760	6.736	6.791	VV	1344813	34673005	35.88%	1.071%
77	6.831	6.791	6.852	VV	1459764	38970073	40.33%	1.204%
78	6.897	6.852	6.913	VV	1397329	44544947	46.10%	1.376%
79	6.931	6.913	6.960	VV	1463753	33065162	34.22%	1.022%
80	6.989	6.960	7.048	VV	1259016	54735398	56.65%	1.691%
81	7.093	7.048	7.119	VV	4775903	96628700	100.00%	2.986%
82	7.138	7.119	7.158	VV	1478410	29225236	30.24%	0.903%
83	7.184	7.158	7.201	VV	2029678	37861708	39.18%	1.170%
84	7.210	7.201	7.237	VV	1191978	24497125	25.35%	0.757%
85	7.266	7.237	7.294	VV	1545235	43098391	44.60%	1.332%
86	7.308	7.294	7.325	VV	1100986	19102675	19.77%	0.590%
87	7.348	7.325	7.375	VV	1177782	31574876	32.68%	0.976%
88	7.390	7.375	7.404	VV	1046981	17535312	18.15%	0.542%
89	7.433	7.404	7.444	VV	1151670	25129289	26.01%	0.776%
90	7.472	7.444	7.502	VV	1446303	42774183	44.27%	1.322%
91	7.513	7.502	7.537	VV	1009017	19514288	20.20%	0.603%
92	7.559	7.537	7.570	VV	1172676	19844560	20.54%	0.613%
93	7.588	7.570	7.602	VV	1339880	23132856	23.94%	0.715%
94	7.641	7.602	7.663	VV	2048099	52744755	54.58%	1.630%
95	7.678	7.663	7.699	VV	1122308	22232341	23.01%	0.687%
96	7.727	7.699	7.748	VV	1546791	34523659	35.73%	1.067%
97	7.773	7.748	7.791	VV	1160557	27636822	28.60%	0.854%
98	7.869	7.791	7.886	VV	1345268	63829337	66.06%	1.972%
99	7.906	7.886	7.945	VV	1519838	41046115	42.48%	1.268%
100	8.006	7.945	8.024	VV	4521584	95569143	98.90%	2.953%
101	8.042	8.024	8.066	VV	1488481	31205046	32.29%	0.964%
102	8.086	8.066	8.105	VV	1571292	28689611	29.69%	0.886%
103	8.142	8.105	8.158	VV	1148641	34176572	35.37%	1.056%
104	8.170	8.158	8.204	VV	1183224	29752612	30.79%	0.919%
105	8.215	8.204	8.236	VV	1076215	18925782	19.59%	0.585%
106	8.261	8.236	8.275	VV	973614	21994274	22.76%	0.680%
107	8.288	8.275	8.300	VV	969660	14009498	14.50%	0.433%
108	8.336	8.300	8.370	VV	2326163	59846669	61.93%	1.849%
109	8.380	8.370	8.398	VV	1015561	16023637	16.58%	0.495%
110	8.415	8.398	8.428	VV	1106793	18453246	19.10%	0.570%
111	8.454	8.428	8.481	VV	1109179	32374524	33.50%	1.000%
112	8.495	8.481	8.504	VV	899482	11658924	12.07%	0.360%

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113	8.527	8.504	8.541	VV	1553301	26964981	27.91%	0.833%
114	8.554	8.541	8.597	VV	1281765	32		
115	8.624	8.597	8.646	VV	1788054	33		
116	8.711	8.646	8.731	VV	3235743	78		
117	8.742	8.731	8.760	VV	863948	13		
118	8.780	8.760	8.801	VV	973641	19860337	20.55%	0.614%
119	8.846	8.801	8.892	VV	1074277	42904421	44.40%	1.326%
120	8.921	8.892	8.977	VV	982518	39603174	40.98%	1.224%
121	9.006	8.977	9.038	VV	718117	23926377	24.76%	0.739%
122	9.064	9.038	9.087	VV	831142	19716636	20.40%	0.609%
123	9.106	9.087	9.150	VV	605911	19893350	20.59%	0.615%
124	9.210	9.150	9.247	VV	590907	30307445	31.36%	0.936%
125	9.278	9.247	9.320	VV	579562	22576362	23.36%	0.698%
126	9.347	9.320	9.401	VV	893599	27484314	28.44%	0.849%
127	9.428	9.401	9.458	VV	757504	18478503	19.12%	0.571%
128	9.469	9.458	9.475	VV	420512	4199223	4.35%	0.130%
129	9.511	9.475	9.556	VV	652168	21062835	21.80%	0.651%
130	9.590	9.556	9.621	VV	334224	12196937	12.62%	0.377%
131	9.635	9.621	9.641	VV	284972	3359619	3.48%	0.104%
132	9.663	9.641	9.681	VV	347398	7498014	7.76%	0.232%
133	9.707	9.681	9.738	VV	478861	13145537	13.60%	0.406%
134	9.752	9.738	9.771	VV	353762	6285555	6.50%	0.194%
135	9.782	9.771	9.790	VV	301753	3403552	3.52%	0.105%
136	9.809	9.790	9.840	VV	348839	9637389	9.97%	0.298%
137	9.853	9.840	9.896	VV	332856	9383973	9.71%	0.290%
138	9.921	9.896	9.940	VV	256577	6290274	6.51%	0.194%
139	9.961	9.940	10.003	VV	268183	9467135	9.80%	0.293%
140	10.022	10.003	10.055	VV	267552	7196412	7.45%	0.222%
141	10.067	10.055	10.084	VV	208436	3674556	3.80%	0.114%
142	10.097	10.084	10.107	VV	224815	2900911	3.00%	0.090%
143	10.139	10.107	10.168	VV	887820	17531418	18.14%	0.542%
144	10.211	10.168	10.253	VV	227607	10774589	11.15%	0.333%
145	10.282	10.253	10.306	VV	250916	6419647	6.64%	0.198%
146	10.323	10.306	10.350	VV	172808	4226018	4.37%	0.131%
147	10.415	10.350	10.441	VV	220981	9828180	10.17%	0.304%
148	10.462	10.441	10.472	VV	210060	3501211	3.62%	0.108%
149	10.483	10.472	10.524	VV	208837	5777928	5.98%	0.179%
150	10.562	10.524	10.589	VV	1051071	19088546	19.75%	0.590%
151	10.600	10.589	10.638	VV	198512	4942977	5.12%	0.153%
152	10.675	10.638	10.705	VV	160361	6051082	6.26%	0.187%
153	10.741	10.705	10.787	VV	157204	7181597	7.43%	0.222%
154	10.816	10.787	10.843	VV	166614	4997690	5.17%	0.154%
155	10.875	10.843	10.917	VV	222831	6943870	7.19%	0.215%

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156	10.958	10.917	10.998	VV	139397	6131895	6.35%	0.189%
157	11.013	10.998	11.031	VV	130898	2		
158	11.040	11.031	11.064	VV	126402	2		
159	11.108	11.064	11.116	VV	125450	3		
160	11.140	11.116	11.161	VV	129600	3		
161	11.179	11.161	11.218	VV	143095	4279216	4.43%	0.132%
162	11.276	11.218	11.311	VV	476124	11494683	11.90%	0.355%
163	11.337	11.311	11.363	VV	117369	3384958	3.50%	0.105%
164	11.381	11.363	11.401	VV	110169	2330540	2.41%	0.072%
165	11.452	11.401	11.519	VV	126167	7651115	7.92%	0.236%
166	11.552	11.519	11.572	VV	106872	3032755	3.14%	0.094%
167	11.580	11.572	11.604	VV	101523	1851210	1.92%	0.057%
168	11.626	11.604	11.641	VV	95209	2017781	2.09%	0.062%
169	11.646	11.641	11.654	VV	93565	702414	0.73%	0.022%
170	11.677	11.654	11.718	VV	101106	3699270	3.83%	0.114%
171	11.735	11.718	11.768	VV	105039	2911608	3.01%	0.090%
172	11.792	11.768	11.802	VV	100983	1943883	2.01%	0.060%
173	11.831	11.802	11.859	VV	174812	4318910	4.47%	0.133%
174	11.866	11.859	11.902	VV	94656	2230477	2.31%	0.069%
175	11.924	11.902	11.940	VV	88303	1901825	1.97%	0.059%
176	11.969	11.940	12.023	VV	97241	4314803	4.47%	0.133%
177	12.048	12.023	12.096	VV	85560	3427970	3.55%	0.106%
178	12.122	12.096	12.177	VV	78162	3633671	3.76%	0.112%
179	12.206	12.177	12.225	VV	72760	1967946	2.04%	0.061%
180	12.239	12.225	12.258	VV	68761	1322121	1.37%	0.041%
181	12.264	12.258	12.300	VV	67591	1661779	1.72%	0.051%
182	12.353	12.300	12.384	VV	74222	3427677	3.55%	0.106%
183	12.412	12.384	12.468	VV	86381	3488677	3.61%	0.108%
184	12.490	12.468	12.535	VV	79708	2651067	2.74%	0.082%
185	12.554	12.535	12.567	VV	56543	1071322	1.11%	0.033%
186	12.590	12.567	12.615	VV	59213	1620831	1.68%	0.050%
187	12.633	12.615	12.697	VV	63441	2624244	2.72%	0.081%
188	12.712	12.697	12.724	VV	48076	768913	0.80%	0.024%
189	12.765	12.724	12.794	VV	49521	1978160	2.05%	0.061%
190	12.815	12.794	12.881	VV	48447	2297511	2.38%	0.071%
191	12.933	12.881	12.961	VV	379985	6046939	6.26%	0.187%
192	12.984	12.961	13.085	VV	67884	3457091	3.58%	0.107%
193	13.101	13.085	13.131	VV	36610	961860	1.00%	0.030%
194	13.145	13.131	13.183	VV	37214	1103714	1.14%	0.034%
195	13.201	13.183	13.245	VV	35158	1219312	1.26%	0.038%
196	13.260	13.245	13.288	VV	33420	772686	0.80%	0.024%
197	13.321	13.288	13.354	VV	40239	1331576	1.38%	0.041%
198	13.370	13.354	13.391	VV	31759	673148	0.70%	0.021%
199	13.402	13.391	13.494	VV	28894	1600604	1.66%	0.049%

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200	13.537	13.494	13.565	VV	28575	1099587	1.14%	0.034%
201	13.597	13.565	13.655	VV	28807	1		
202	13.679	13.655	13.710	VV	25295			
203	13.731	13.710	13.747	VV	19483			
204	13.765	13.747	13.800	VV	19549			
205	13.824	13.800	13.864	VV	19063	672941	0.70%	0.021%
206	13.916	13.864	13.954	VV	22936	969899	1.00%	0.030%
207	13.974	13.954	14.026	VV	16628	637089	0.66%	0.020%
208	14.068	14.026	14.105	VV	15539	672167	0.70%	0.021%
209	14.116	14.105	14.144	VV	13600	303401	0.31%	0.009%
210	14.153	14.144	14.164	VV	12599	147020	0.15%	0.005%
211	14.183	14.164	14.221	VV	13332	388073	0.40%	0.012%
212	14.244	14.221	14.269	VV	11943	305426	0.32%	0.009%
213	14.315	14.269	14.348	VV	11685	484986	0.50%	0.015%
214	14.369	14.348	14.453	VV	13080	613933	0.64%	0.019%
215	14.485	14.453	14.511	VV	9939	306577	0.32%	0.009%
216	14.520	14.511	14.584	VV	8750	326093	0.34%	0.010%
217	14.592	14.584	14.607	VV	7171	90856	0.09%	0.003%
218	14.625	14.607	14.661	VV	7159	217650	0.23%	0.007%
219	14.687	14.661	14.725	VV	6724	233946	0.24%	0.007%
220	14.738	14.725	14.756	VV	6194	107558	0.11%	0.003%
221	14.783	14.756	14.814	VV	10809	257827	0.27%	0.008%
222	14.823	14.814	14.898	VV	6219	257649	0.27%	0.008%
223	14.927	14.898	14.958	VV	5273	162618	0.17%	0.005%
224	14.980	14.958	15.004	VV	3937	102057	0.11%	0.003%
225	15.028	15.004	15.102	VV	4479	226099	0.23%	0.007%
226	15.115	15.102	15.175	VV	3835	139435	0.14%	0.004%
227	15.217	15.175	15.275	VV	3880	178740	0.18%	0.006%
228	15.303	15.275	15.406	VV	6463	283319	0.29%	0.009%
229	15.427	15.406	15.451	VV	2957	62304	0.06%	0.002%
230	15.483	15.451	15.495	VV	1979	50099	0.05%	0.002%
231	15.518	15.495	15.544	VV	2432	62400	0.06%	0.002%
232	15.555	15.544	15.581	VV	2275	43538	0.05%	0.001%
233	15.618	15.581	15.669	VV	4332	150142	0.16%	0.005%
234	15.690	15.669	15.734	VV	2234	65163	0.07%	0.002%
235	15.762	15.734	15.778	VV	2584	55252	0.06%	0.002%
236	15.802	15.778	15.884	VV	7213	193094	0.20%	0.006%
237	15.894	15.884	15.914	VV	1375	18666	0.02%	0.001%
238	16.000	15.914	16.028	VV	3277	120861	0.13%	0.004%
239	16.048	16.028	16.067	VV	1635	33196	0.03%	0.001%
240	16.120	16.067	16.207	VV	3184	181245	0.19%	0.006%
241	16.240	16.207	16.261	VV	1823	48156	0.05%	0.001%
242	16.285	16.261	16.350	VV	4910	114815	0.12%	0.004%

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243	16.377	16.350	16.421	VV	1603	59525	0.06%	0.002%
244	16.450	16.421	16.474	VV	2295			
245	16.488	16.474	16.531	VV	2766			
246	16.541	16.531	16.573	VV	2471			
247	16.596	16.573	16.661	VV	2532			
248	16.670	16.661	16.693	VV	1873	31221	0.03%	0.001%
249	16.752	16.693	16.821	VV	7200	270165	0.28%	0.008%
250	16.853	16.821	16.888	VV	2712	93408	0.10%	0.003%
251	16.982	16.888	17.022	VV	7053	261725	0.27%	0.008%
252	17.038	17.022	17.114	VV	2887	134587	0.14%	0.004%
253	17.152	17.114	17.181	VV	5482	144856	0.15%	0.004%
254	17.201	17.181	17.247	VV	5241	126008	0.13%	0.004%
255	17.264	17.247	17.281	VV	2442	42729	0.04%	0.001%
256	17.313	17.281	17.358	VV	4233	136037	0.14%	0.004%
257	17.364	17.358	17.371	VV	2369	17465	0.02%	0.001%
258	17.391	17.371	17.414	VV	2928	57628	0.06%	0.002%
259	17.424	17.414	17.438	VV	1813	23816	0.02%	0.001%
260	17.441	17.438	17.447	VV	1853	10178	0.01%	0.000%
261	17.480	17.447	17.502	VV	2668	70566	0.07%	0.002%
262	17.526	17.502	17.554	VV	3102	75061	0.08%	0.002%
263	17.571	17.554	17.591	VV	3022	56805	0.06%	0.002%
264	17.635	17.591	17.728	VV	6488	243763	0.25%	0.008%
265	17.771	17.728	17.838	VV	11452	331191	0.34%	0.010%
266	17.853	17.838	17.901	VV	2143	62353	0.06%	0.002%
267	17.924	17.901	17.948	VV	2316	53179	0.06%	0.002%
268	17.970	17.948	17.993	VV	3420	65430	0.07%	0.002%
269	18.003	17.993	18.041	VV	2457	44814	0.05%	0.001%
270	18.059	18.041	18.079	VV	3674	58414	0.06%	0.002%
271	18.138	18.079	18.167	VV	14099	254910	0.26%	0.008%
272	18.177	18.167	18.198	VV	1545	24423	0.03%	0.001%
273	18.205	18.198	18.217	VV	1546	16267	0.02%	0.001%
274	18.244	18.217	18.272	VV	9268	141640	0.15%	0.004%
275	18.290	18.272	18.317	VV	2448	47212	0.05%	0.001%
276	18.329	18.317	18.406	VV	1554	48034	0.05%	0.001%
277	18.468	18.406	18.498	VV	4245	90070	0.09%	0.003%
278	18.506	18.498	18.524	VV	667	7809	0.01%	0.000%
279	18.558	18.524	18.584	VV	4503	65836	0.07%	0.002%
280	18.608	18.584	18.654	VV	3388	66108	0.07%	0.002%
281	18.661	18.654	18.678	VV	973	11280	0.01%	0.000%
282	18.692	18.678	18.714	VV	799	14219	0.01%	0.000%
283	18.738	18.714	18.754	VV	1816	28586	0.03%	0.001%
284	18.769	18.754	18.808	VV	2337	36335	0.04%	0.001%
285	18.869	18.808	18.922	VV	2962	97254	0.10%	0.003%

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

286	18.959	18.922	19.001	PV	2057	39549	0.04%	0.001%
287	19.047	19.001	19.091	VV	1354			
288	19.107	19.091	19.131	VV	1295			
289	19.151	19.131	19.183	VV	1113			
290	19.252	19.183	19.330	VV	4686			
291	19.363	19.330	19.407	VV	2114	58776	0.06%	0.002%
292	19.467	19.407	19.497	VV	1828	78001	0.08%	0.002%
293	19.534	19.497	19.569	VV	2003	70178	0.07%	0.002%
294	19.625	19.569	19.651	VV	3176	108801	0.11%	0.003%
295	19.663	19.651	19.713	VV	3281	85014	0.09%	0.003%
296	19.775	19.713	19.833	VV	2725	154572	0.16%	0.005%
297	19.890	19.833	19.907	VV	3123	122926	0.13%	0.004%
298	19.936	19.907	19.944	VV	3273	66003	0.07%	0.002%
299	19.988	19.944	20.013	VV	5389	167480	0.17%	0.005%
300	20.048	20.013	20.068	VV	4365	131651	0.14%	0.004%
301	20.188	20.068	20.214	VV	5153	375539	0.39%	0.012%
302	20.264	20.214	20.288	VV	5225	215409	0.22%	0.007%
303	20.339	20.288	20.378	VV	6254	289475	0.30%	0.009%
304	20.398	20.378	20.410	VV	5340	101237	0.10%	0.003%
305	20.460	20.410	20.480	VV	6236	243460	0.25%	0.008%
306	20.526	20.480	20.543	VV	5942	211610	0.22%	0.007%
307	20.565	20.543	20.606	VV	5952	208044	0.22%	0.006%
308	20.614	20.606	20.623	VV	5026	51392	0.05%	0.002%
309	20.710	20.623	20.753	VV	6152	395271	0.41%	0.012%
310	20.781	20.753	20.863	VV	4914	295162	0.31%	0.009%
311	20.874	20.863	20.948	VV	4168	199963	0.21%	0.006%
312	20.968	20.948	21.088	VV	3696	288625	0.30%	0.009%
313	21.121	21.088	21.207	VV	3570	213436	0.22%	0.007%
314	21.229	21.207	21.305	VV	2775	142361	0.15%	0.004%
315	21.332	21.305	21.343	VV	2190	47218	0.05%	0.001%
316	21.357	21.343	21.458	VV	2210	123154	0.13%	0.004%
317	21.464	21.458	21.527	VV	1648	60427	0.06%	0.002%
318	21.585	21.527	21.641	VV	2135	107123	0.11%	0.003%
319	21.656	21.641	21.681	VV	1258	27555	0.03%	0.001%
320	21.691	21.681	21.699	VV	1195	12111	0.01%	0.000%

Sum of corrected areas: 3236450978

Aliphatic EPH 102324.M Sat Nov 09 02:17:35 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.7	
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
FD048681.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	72.9	E	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	317	E	0.39	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	197	E	1.10	1.92	mg/kg
Aromatic C21-C36	Aromatic C21-C36	8.72		2.30	3.07	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.7		40 - 140	121%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	66.3		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-01	Acq On:	08 Nov 2024 21:10
Client Sample ID:	EX-2-TPH-1	Operator:	YP/AJ
Data file:	FD048681.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	167560721	950.954	200	ug/ml
Aromatic C12-C16	5.811	8.415	734269015	4140	300	ug/ml
Aromatic C16-C21	8.416	12.678	422722847	2580	500	ug/ml
Aromatic C21-C36	12.679	18.083	17366644	113.721	800	ug/ml
Aromatic EPH	4.092	18.083	1341919227	7790		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	5549755	32.58		ug/ml
2-Bromonaphthalene (SURR)	7.380	7.380	9210924	60.69		ug/ml
2-Flurobiphenyl (SURR)	8.235	8.235	6505320	66.25		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048681.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:10
Operator : YP/AJ
Sample : P4721-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

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

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:39 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...	7.380	9210924	60.687 ug/mlm
Spiked Amount 50.000		Recovery =	121.37%
6) S 2-Flurobiphenyl (SURR)	8.235	6505320	66.251 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	132.50%#
11) S ortho-Terphenyl (SURR)	11.258	5549755	32.580 ug/mlm
Spiked Amount 50.000		Recovery =	65.16%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048681.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:10
Operator : YP/AJ
Sample : P4721-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

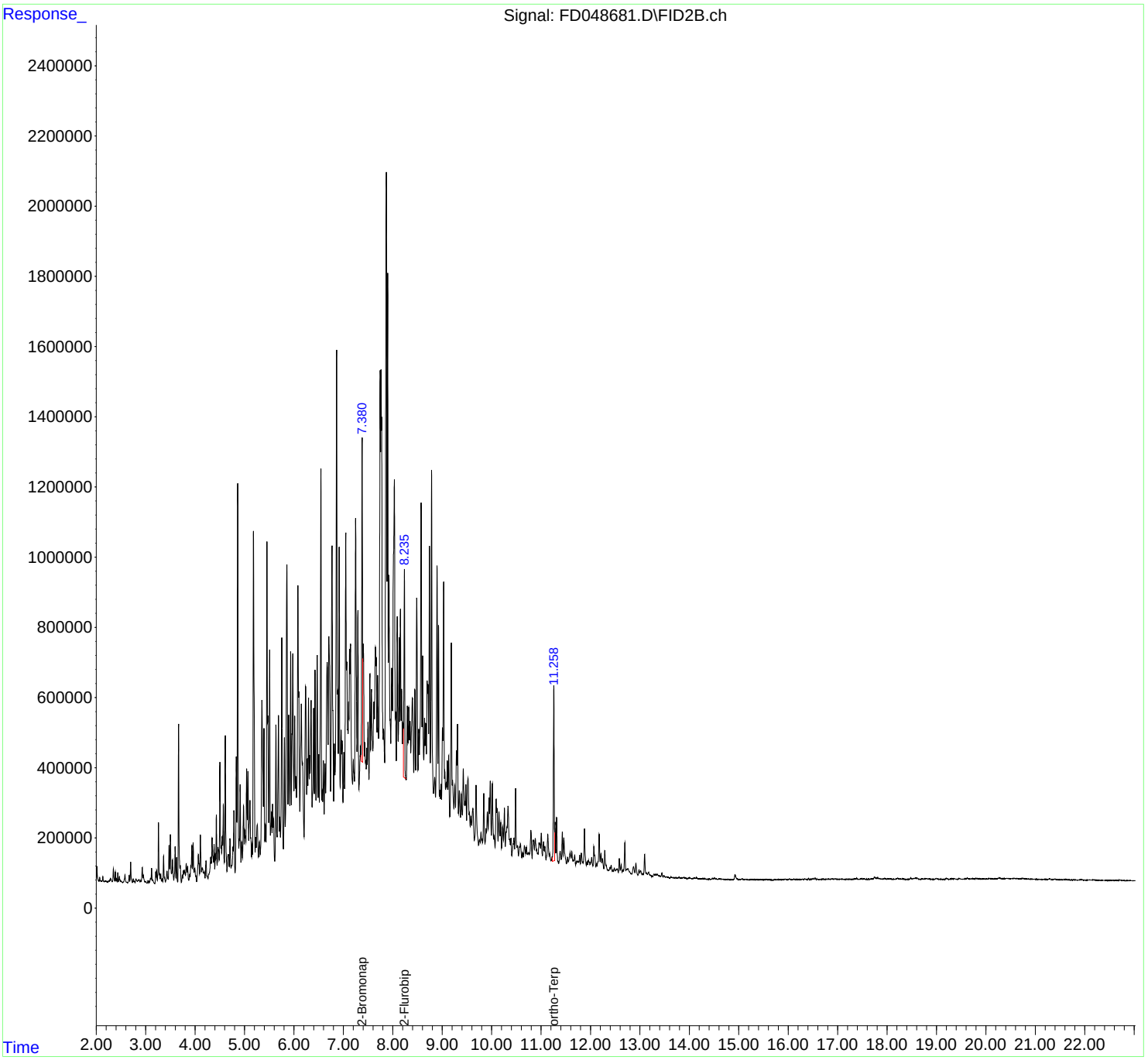
Instrument :
FID_D
ClientSampleId :
EX-2-TPH-1

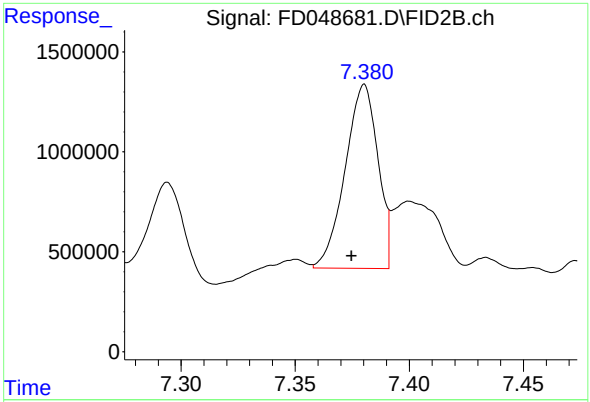
Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:39 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





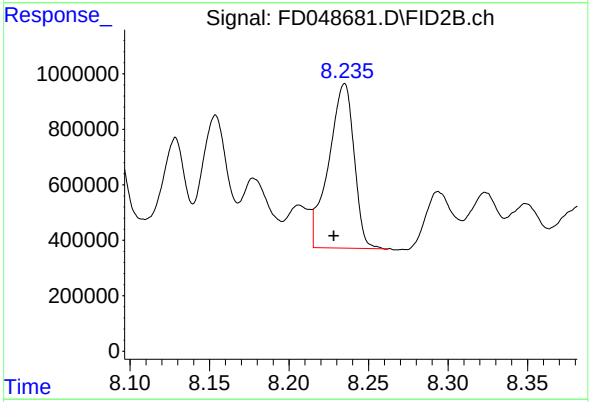
#4 2-Bromonaphthalene (SURR)

R.T.: 7.380 min
Delta R.T.: 0.006 min
Response: 9210924
Conc: 60.69 ug/ml

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

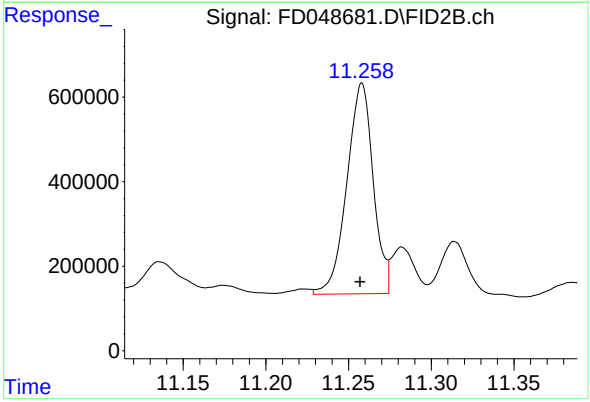
Manual Integrations
APPROVED

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



#6 2-Flurobiphenyl (SURR)

R.T.: 8.235 min
Delta R.T.: 0.007 min
Response: 6505320
Conc: 66.25 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 5549755
Conc: 32.58 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048681.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:10
Sample : P4721-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.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	4.066	4.042	4.092	PV	61839	915731	2.74%	0.066%
2	4.107	4.092	4.130	PV	112872	1132250	3.39%	0.082%
3	4.144	4.130	4.166	VV	23126	387503	1.16%	0.028%
4	4.171	4.166	4.179	VV	13226	93224	0.28%	0.007%
5	4.187	4.179	4.202	VV	16603	134437	0.40%	0.010%
6	4.221	4.202	4.261	PV	49810	618796	1.85%	0.045%
7	4.315	4.261	4.328	PV	61380	1115889	3.34%	0.081%
8	4.345	4.328	4.371	VV	116152	1875610	5.62%	0.136%
9	4.384	4.371	4.398	VV	97734	1023762	3.07%	0.074%
10	4.410	4.398	4.417	VV	71027	619003	1.85%	0.045%
11	4.430	4.417	4.446	VV	181634	1846414	5.53%	0.133%
12	4.463	4.446	4.473	VV	89473	1132230	3.39%	0.082%
13	4.477	4.473	4.487	VV	82516	635983	1.91%	0.046%
14	4.502	4.487	4.522	VV	332408	3665216	10.98%	0.265%
15	4.528	4.522	4.537	VV	93807	795849	2.38%	0.058%
16	4.549	4.537	4.558	VV	120423	1293398	3.87%	0.093%
17	4.571	4.558	4.592	VV	210749	2516534	7.54%	0.182%
18	4.611	4.592	4.645	VV	407773	4768111	14.28%	0.345%
19	4.673	4.645	4.690	VV	69061	1407855	4.22%	0.102%
20	4.706	4.690	4.727	VV	114833	1501877	4.50%	0.109%
21	4.766	4.727	4.772	VV	90036	1395661	4.18%	0.101%
22	4.785	4.772	4.810	VV	194521	2254278	6.75%	0.163%
23	4.833	4.810	4.844	VV	347203	3488354	10.45%	0.252%
24	4.862	4.844	4.884	VV	1125683	11912007	35.68%	0.861%
25	4.912	4.884	4.928	VV	268647	3702541	11.09%	0.268%
26	4.943	4.928	4.959	VV	105260	1528746	4.58%	0.110%
27	4.981	4.959	4.994	VV	207692	2898823	8.68%	0.210%
28	5.004	4.994	5.013	VV	139647	1417053	4.24%	0.102%
29	5.018	5.013	5.027	VV	121423	916454	2.75%	0.066%
30	5.043	5.027	5.057	VV	313701	3942535	11.81%	0.285%
31	5.070	5.057	5.084	VV	306373	3483877	10.44%	0.252%
32	5.110	5.084	5.142	VV	224134	4962502	14.87%	0.359%
33	5.153	5.142	5.161	VV	99036	972070	2.91%	0.070%
34	5.181	5.161	5.214	VV	990009	14166873	42.44%	1.024%
35	5.225	5.214	5.236	VV	118130	1275170	3.82%	0.092%
36	5.258	5.236	5.282	VV	154118	3239672	9.70%	0.234%

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

Manual IntegrationsAPPROVED

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rteres

37	5.303	5.282	5.317	VV	105976	1835380	5.50%	0.133%
38	5.352	5.317	5.381	VV	508018	10452726	31	
39	5.393	5.381	5.410	VV	429506	4787959	14	
40	5.422	5.410	5.435	VV	154323	1941181	5	
41	5.454	5.435	5.490	VV	960491	15054290	45	
42	5.508	5.490	5.524	VV	654187	7044171	21	
43	5.546	5.524	5.556	VV	189889	3036410	9.10%	0.219%
44	5.568	5.556	5.579	VV	213153	2414585	7.23%	0.175%
45	5.588	5.579	5.611	VV	172089	2200360	6.59%	0.159%
46	5.636	5.611	5.660	VV	438999	5676928	17.01%	0.410%
47	5.687	5.660	5.703	VV	465923	7033539	21.07%	0.508%
48	5.712	5.703	5.727	VV	176854	2169729	6.50%	0.157%
49	5.755	5.727	5.786	VV	686682	10614369	31.80%	0.767%
50	5.807	5.786	5.823	VV	402366	5178537	15.51%	0.374%
51	5.857	5.823	5.880	VV	893501	15968680	47.84%	1.154%
52	5.893	5.880	5.917	VV	467060	7312234	21.90%	0.529%
53	5.934	5.917	5.948	VV	647552	7288681	21.83%	0.527%
54	5.977	5.948	6.001	VV	641899	12900738	38.65%	0.932%
55	6.016	6.001	6.029	VV	463858	6021048	18.04%	0.435%
56	6.037	6.029	6.051	VV	292473	3445837	10.32%	0.249%
57	6.081	6.051	6.094	VV	835396	12953150	38.80%	0.936%
58	6.098	6.094	6.119	VV	534736	5587149	16.74%	0.404%
59	6.149	6.119	6.169	VV	499847	10869187	32.56%	0.786%
60	6.174	6.169	6.205	VV	331758	5186983	15.54%	0.375%
61	6.237	6.205	6.258	VV	548002	11360452	34.03%	0.821%
62	6.273	6.258	6.282	VV	342659	4114854	12.33%	0.297%
63	6.296	6.282	6.309	VV	516145	6421736	19.24%	0.464%
64	6.319	6.309	6.328	VV	351649	3560409	10.67%	0.257%
65	6.347	6.328	6.368	VV	507946	8911358	26.70%	0.644%
66	6.399	6.368	6.414	VV	487038	8895874	26.65%	0.643%
67	6.427	6.414	6.446	VV	596240	7585929	22.72%	0.548%
68	6.471	6.446	6.489	VV	636964	10002418	29.96%	0.723%
69	6.503	6.489	6.515	VV	355564	4601825	13.79%	0.333%
70	6.547	6.515	6.564	VV	1169718	16633843	49.83%	1.202%
71	6.571	6.564	6.581	VV	250673	2500337	7.49%	0.181%
72	6.596	6.581	6.612	VV	337649	4974660	14.90%	0.360%
73	6.628	6.612	6.644	VV	328762	5167844	15.48%	0.374%
74	6.673	6.644	6.691	VV	616795	13680305	40.98%	0.989%
75	6.707	6.691	6.742	VV	691574	16044735	48.06%	1.160%
76	6.771	6.742	6.804	VV	953175	19899723	59.61%	1.438%
77	6.817	6.804	6.831	VV	385085	5015742	15.03%	0.363%
78	6.864	6.831	6.898	VV	1506520	27992146	83.85%	2.023%
79	6.916	6.898	6.936	VV	945686	12977810	38.88%	0.938%
80	6.955	6.936	6.967	VV	424538	6689925	20.04%	0.484%
81	6.975	6.967	6.993	VV	393842	5011791	15.01%	0.362%
82	7.011	6.993	7.025	VV	361265	5897243	17.67%	0.426%
83	7.049	7.025	7.097	VV	984839	24612563	73.73%	1.779%
84	7.107	7.097	7.114	VV	505846	4758083	14.25%	0.344%
85	7.127	7.114	7.135	VV	654446	7439725	22.29%	0.538%
86	7.145	7.135	7.187	VV	669426	13605845	40.76%	0.983%
87	7.201	7.187	7.225	VV	339120	7011059	21.00%	0.507%
88	7.248	7.225	7.276	VV	1027960	19057744	57.09%	1.377%
89	7.294	7.276	7.315	VV	765639	11718277	35.10%	0.847%

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

Manual IntegrationsAPPROVED

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

rteres

90	7.350	7.315	7.357	VV	380063	8212821	24.60%	0.594%
91	7.380	7.357	7.393	VV	1257044	16702586	50	
92	7.400	7.393	7.425	VV	670463	10790431	32	
93	7.434	7.425	7.448	VV	389671	4965330	14	
94	7.454	7.448	7.463	VV	338388	2954006	8	
95	7.474	7.463	7.484	VV	372471	4319688	12	
96	7.499	7.484	7.518	VV	446307	7794700	23.35%	0.563%
97	7.537	7.518	7.551	VV	585112	8633023	25.86%	0.624%
98	7.568	7.551	7.596	VV	540885	11823132	35.42%	0.855%
99	7.618	7.596	7.629	VV	504757	8870967	26.57%	0.641%
100	7.650	7.629	7.661	VV	660062	11207597	33.57%	0.810%
101	7.666	7.661	7.680	VV	631309	6578166	19.71%	0.475%
102	7.693	7.680	7.713	VV	578717	9438298	28.27%	0.682%
103	7.745	7.713	7.754	VV	1446855	21178324	63.44%	1.531%
104	7.762	7.754	7.805	VV	1449312	29470436	88.28%	2.130%
105	7.815	7.805	7.836	VV	426962	7222187	21.64%	0.522%
106	7.869	7.836	7.883	VV	2012599	33381710	100.00%	2.413%
107	7.897	7.883	7.910	VV	1728558	19314710	57.86%	1.396%
108	7.922	7.910	7.959	VV	864664	17667647	52.93%	1.277%
109	7.978	7.959	7.994	VV	601611	10866940	32.55%	0.785%
110	8.031	7.994	8.051	VV	1139828	28296489	84.77%	2.045%
111	8.056	8.051	8.071	VV	476543	4957604	14.85%	0.358%
112	8.090	8.071	8.109	VV	748697	11941236	35.77%	0.863%
113	8.129	8.109	8.140	VV	688929	9747106	29.20%	0.704%
114	8.154	8.140	8.168	VV	769148	10341599	30.98%	0.747%
115	8.178	8.168	8.196	VV	541874	7808618	23.39%	0.564%
116	8.206	8.196	8.213	VV	444409	4477219	13.41%	0.324%
117	8.235	8.213	8.273	VV	884530	17031436	51.02%	1.231%
118	8.294	8.273	8.309	VV	493043	8611409	25.80%	0.622%
119	8.324	8.309	8.336	VV	489955	7188576	21.53%	0.520%
120	8.349	8.336	8.364	VV	450119	6861039	20.55%	0.496%
121	8.396	8.364	8.424	VV	517156	15670065	46.94%	1.133%
122	8.445	8.424	8.463	VV	540707	9718508	29.11%	0.702%
123	8.484	8.463	8.510	VV	801331	15123303	45.30%	1.093%
124	8.524	8.510	8.537	VV	427660	6309140	18.90%	0.456%
125	8.573	8.537	8.591	VV	1072738	20051333	60.07%	1.449%
126	8.603	8.591	8.626	VV	636881	10202042	30.56%	0.737%
127	8.642	8.626	8.653	VV	458832	6340526	18.99%	0.458%
128	8.666	8.653	8.680	VV	444179	6752426	20.23%	0.488%
129	8.695	8.680	8.703	VV	565331	6885086	20.63%	0.498%
130	8.711	8.703	8.725	VV	555388	6676016	20.00%	0.483%
131	8.742	8.725	8.759	VV	949888	12693034	38.02%	0.917%
132	8.785	8.759	8.826	VV	1168388	20842290	62.44%	1.506%
133	8.848	8.826	8.864	VV	290109	6106414	18.29%	0.441%
134	8.896	8.864	8.912	VV	892943	14385083	43.09%	1.040%
135	8.926	8.912	8.942	VV	722741	8668198	25.97%	0.627%
136	8.950	8.942	8.961	VV	254226	2823586	8.46%	0.204%
137	8.974	8.961	8.986	VV	270727	3656493	10.95%	0.264%
138	9.005	8.986	9.012	VV	430119	5441215	16.30%	0.393%
139	9.029	9.012	9.047	VV	847534	11812132	35.39%	0.854%
140	9.054	9.047	9.067	VV	306917	3481397	10.43%	0.252%
141	9.081	9.067	9.089	VV	276289	3430751	10.28%	0.248%

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142	9.103	9.089	9.115	VV	337627	4698688	14.08%	0.340%
143	9.131	9.115	9.154	VV	352560	6269068	18	
144	9.184	9.154	9.203	VV	672293	11366813	34	
145	9.209	9.203	9.236	VV	281849	4784212	14	
146	9.255	9.236	9.270	VV	267858	4755411	14	
147	9.289	9.270	9.298	VV	367075	5050262	15	
148	9.309	9.298	9.328	VV	441722	5902286	17.68%	0.427%
149	9.347	9.328	9.370	VV	252986	5479844	16.42%	0.396%
150	9.386	9.370	9.408	VV	244130	4646972	13.92%	0.336%
151	9.426	9.408	9.453	VV	314662	6711198	20.10%	0.485%
152	9.459	9.453	9.465	VV	218922	1631310	4.89%	0.118%
153	9.478	9.465	9.494	VV	269846	3845025	11.52%	0.278%
154	9.522	9.494	9.544	VV	288176	7366873	22.07%	0.532%
155	9.550	9.544	9.567	VV	189079	2324247	6.96%	0.168%
156	9.580	9.567	9.596	VV	179775	2876053	8.62%	0.208%
157	9.619	9.596	9.650	VV	200726	5450342	16.33%	0.394%
158	9.685	9.650	9.735	VV	268529	7951882	23.82%	0.575%
159	9.753	9.735	9.770	VV	111982	2215266	6.64%	0.160%
160	9.785	9.770	9.815	VV	133643	3167715	9.49%	0.229%
161	9.841	9.815	9.866	VV	244845	4695609	14.07%	0.339%
162	9.889	9.866	9.897	VV	144084	2298313	6.88%	0.166%
163	9.914	9.897	9.930	VV	192062	3349415	10.03%	0.242%
164	9.947	9.930	9.958	VV	232120	3159401	9.46%	0.228%
165	9.973	9.958	9.995	VV	280353	4705263	14.10%	0.340%
166	10.014	9.995	10.041	VV	273435	5044223	15.11%	0.365%
167	10.051	10.041	10.069	VV	124312	1927485	5.77%	0.139%
168	10.091	10.069	10.103	VV	229098	3509961	10.51%	0.254%
169	10.111	10.103	10.130	VV	202856	2664242	7.98%	0.193%
170	10.149	10.130	10.171	VV	193224	3690065	11.05%	0.267%
171	10.185	10.171	10.202	VV	162722	2404257	7.20%	0.174%
172	10.225	10.202	10.241	VV	150817	2911130	8.72%	0.210%
173	10.260	10.241	10.277	VV	203926	3199113	9.58%	0.231%
174	10.332	10.277	10.359	VV	209229	7316850	21.92%	0.529%
175	10.363	10.359	10.378	VV	114270	1236267	3.70%	0.089%
176	10.391	10.378	10.408	VV	118172	1788816	5.36%	0.129%
177	10.451	10.408	10.466	VV	117685	3341822	10.01%	0.242%
178	10.485	10.466	10.513	VV	259749	4148706	12.43%	0.300%
179	10.526	10.513	10.543	VV	96594	1598369	4.79%	0.116%
180	10.582	10.543	10.609	VV	101657	3313893	9.93%	0.240%
181	10.624	10.609	10.639	VV	76631	1278675	3.83%	0.092%
182	10.664	10.639	10.690	VV	95056	2475220	7.41%	0.179%
183	10.704	10.690	10.723	VV	92545	1611412	4.83%	0.116%
184	10.743	10.723	10.756	VV	76197	1478155	4.43%	0.107%
185	10.795	10.756	10.819	VV	139788	3598798	10.78%	0.260%
186	10.837	10.819	10.866	VV	111859	2775765	8.32%	0.201%
187	10.882	10.866	10.906	VV	117451	2422692	7.26%	0.175%
188	10.913	10.906	10.926	VV	84976	946205	2.83%	0.068%
189	10.933	10.926	10.941	VV	76437	682945	2.05%	0.049%
190	10.960	10.941	10.971	VV	105065	1647307	4.93%	0.119%
191	10.977	10.971	10.989	VV	102499	1107076	3.32%	0.080%
192	11.005	10.989	11.028	VV	131893	2301905	6.90%	0.166%
193	11.049	11.028	11.066	VV	107528	2050119	6.14%	0.148%
194	11.077	11.066	11.099	VV	94608	1582995	4.74%	0.114%

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195	11.136	11.099	11.164	VV	129070	3354279	10.05%	0.242%
196	11.174	11.164	11.205	VV	73493	1583295		
197	11.223	11.205	11.230	VV	64688	909507		
198	11.258	11.230	11.274	VV	552502	6924015	20	
199	11.282	11.274	11.298	VV	164135	1811213	5	
200	11.314	11.298	11.356	VV	177400	3200043	9	
201	11.385	11.356	11.407	VV	80342	1972250	5.91%	0.143%
202	11.430	11.407	11.446	VV	136381	2167902	6.49%	0.157%
203	11.461	11.446	11.514	VV	119001	3092170	9.26%	0.223%
204	11.536	11.514	11.550	VV	63564	1185856	3.55%	0.086%
205	11.588	11.550	11.607	VV	77051	2185698	6.55%	0.158%
206	11.622	11.607	11.645	VV	79788	1512998	4.53%	0.109%
207	11.680	11.645	11.699	VV	69684	1822640	5.46%	0.132%
208	11.724	11.699	11.735	VV	53526	1080642	3.24%	0.078%
209	11.744	11.735	11.748	VV	50919	397800	1.19%	0.029%
210	11.760	11.748	11.766	VV	51753	521449	1.56%	0.038%
211	11.781	11.766	11.796	VV	70606	1055681	3.16%	0.076%
212	11.814	11.796	11.837	VV	76118	1494395	4.48%	0.108%
213	11.843	11.837	11.854	VV	50089	499665	1.50%	0.036%
214	11.878	11.854	11.914	VV	145109	2863822	8.58%	0.207%
215	11.929	11.914	11.941	VV	50740	746741	2.24%	0.054%
216	11.958	11.941	11.969	VV	54205	833390	2.50%	0.060%
217	11.975	11.969	11.988	VV	50701	554967	1.66%	0.040%
218	11.999	11.988	12.008	VV	48424	537732	1.61%	0.039%
219	12.024	12.008	12.050	VV	64028	1280440	3.84%	0.093%
220	12.068	12.050	12.108	VV	95031	2204697	6.60%	0.159%
221	12.124	12.108	12.134	VV	44401	632942	1.90%	0.046%
222	12.175	12.134	12.195	VV	129894	2661307	7.97%	0.192%
223	12.212	12.195	12.228	VV	74055	1244364	3.73%	0.090%
224	12.240	12.228	12.269	VV	59952	1176953	3.53%	0.085%
225	12.289	12.269	12.362	VV	83032	2363088	7.08%	0.171%
226	12.369	12.362	12.375	VV	26709	207337	0.62%	0.015%
227	12.394	12.375	12.404	VV	34387	538320	1.61%	0.039%
228	12.418	12.404	12.441	VV	41172	744265	2.23%	0.054%
229	12.453	12.441	12.467	VV	27054	392206	1.17%	0.028%
230	12.482	12.467	12.502	VV	32933	606922	1.82%	0.044%
231	12.540	12.502	12.563	VV	30790	1011607	3.03%	0.073%
232	12.583	12.563	12.603	VV	60666	944503	2.83%	0.068%
233	12.621	12.603	12.640	VV	43291	726905	2.18%	0.053%
234	12.658	12.640	12.669	VV	27916	447947	1.34%	0.032%
235	12.695	12.669	12.716	VV	106154	1607712	4.82%	0.116%
236	12.736	12.716	12.740	VV	29911	412881	1.24%	0.030%
237	12.759	12.740	12.824	VV	30469	1231471	3.69%	0.089%
238	12.828	12.824	12.838	VV	17520	148183	0.44%	0.011%
239	12.869	12.838	12.898	VV	36742	990000	2.97%	0.072%
240	12.919	12.898	12.960	VV	46817	986860	2.96%	0.071%
241	12.983	12.960	12.997	VV	28580	478587	1.43%	0.035%
242	13.015	12.997	13.041	VV	25513	558238	1.67%	0.040%
243	13.057	13.041	13.072	VV	17564	299332	0.90%	0.022%
244	13.096	13.072	13.124	VV	72532	1150940	3.45%	0.083%
245	13.133	13.124	13.155	VV	18828	332176	1.00%	0.024%
246	13.176	13.155	13.202	VV	21786	498091	1.49%	0.036%

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247	13.211	13.202	13.239	VV	13502	270384	0.81%	0.020%
248	13.248	13.239	13.260	VV	10525	128315		
249	13.284	13.260	13.305	VV	16888	364874		
250	13.320	13.305	13.336	VV	16999	269537		
251	13.352	13.336	13.390	VV	16692	432845		
252	13.400	13.390	13.418	VV	11212	174435		
253	13.445	13.418	13.467	VV	19885	390196	1.17%	0.028%
254	13.488	13.467	13.519	VV	12620	303826	0.91%	0.022%
255	13.530	13.519	13.567	VV	8681	230536	0.69%	0.017%
256	13.572	13.567	13.610	VV	7553	160800	0.48%	0.012%
257	13.627	13.610	13.659	VV	8089	198023	0.59%	0.014%
258	13.680	13.659	13.699	VV	6630	143657	0.43%	0.010%
259	13.715	13.699	13.724	VV	6403	87490	0.26%	0.006%
260	13.738	13.724	13.751	VV	6669	96231	0.29%	0.007%
261	13.789	13.751	13.812	VV	8118	223272	0.67%	0.016%
262	13.818	13.812	13.827	VV	4957	41693	0.12%	0.003%
263	13.846	13.827	13.854	VV	5465	83003	0.25%	0.006%
264	13.882	13.854	13.967	VV	7142	358269	1.07%	0.026%
265	14.007	13.967	14.057	VV	6332	256643	0.77%	0.019%
266	14.107	14.057	14.125	VV	6406	193842	0.58%	0.014%
267	14.146	14.125	14.167	VV	6156	125404	0.38%	0.009%
268	14.183	14.167	14.205	VV	3964	75549	0.23%	0.005%
269	14.212	14.205	14.239	VV	3055	57010	0.17%	0.004%
270	14.241	14.239	14.247	VV	2840	13795	0.04%	0.001%
271	14.267	14.247	14.292	VV	4485	94371	0.28%	0.007%
272	14.307	14.292	14.336	VV	4029	80169	0.24%	0.006%
273	14.350	14.336	14.365	VV	2658	38767	0.12%	0.003%
274	14.372	14.365	14.386	VV	2234	25629	0.08%	0.002%
275	14.399	14.386	14.423	VV	2400	45514	0.14%	0.003%
276	14.434	14.423	14.451	VV	2207	33304	0.10%	0.002%
277	14.469	14.451	14.489	VV	5130	78865	0.24%	0.006%
278	14.504	14.489	14.530	VV	5373	94128	0.28%	0.007%
279	14.544	14.530	14.568	VV	3853	62010	0.19%	0.004%
280	14.605	14.568	14.626	VV	3114	87028	0.26%	0.006%
281	14.644	14.626	14.696	VV	2684	93042	0.28%	0.007%
282	14.708	14.696	14.727	VV	1691	27180	0.08%	0.002%
283	14.740	14.727	14.755	VV	1545	22467	0.07%	0.002%
284	14.770	14.755	14.793	VV	2006	34584	0.10%	0.002%
285	14.814	14.793	14.836	VV	1215	23348	0.07%	0.002%
286	14.843	14.836	14.850	VV	1026	6945	0.02%	0.001%
287	14.855	14.850	14.870	VV	1031	10830	0.03%	0.001%
288	14.923	14.870	15.003	VV	15431	384439	1.15%	0.028%
289	15.023	15.003	15.041	VV	1943	35807	0.11%	0.003%
290	15.073	15.041	15.099	VV	3923	78314	0.23%	0.006%
291	15.105	15.099	15.123	VV	1296	14564	0.04%	0.001%
292	15.142	15.123	15.168	VV	2383	43423	0.13%	0.003%
293	15.180	15.168	15.185	VV	1377	12719	0.04%	0.001%
294	15.190	15.185	15.213	VV	1147	14913	0.04%	0.001%
295	15.227	15.213	15.232	VV	1164	9372	0.03%	0.001%
296	15.256	15.232	15.263	VV	1498	22963	0.07%	0.002%
297	15.281	15.263	15.330	VV	1607	51171	0.15%	0.004%
298	15.360	15.330	15.385	VV	1602	36303	0.11%	0.003%
299	15.389	15.385	15.402	VV	1081	9712	0.03%	0.001%

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300	15.405	15.402	15.430	VV	1062	16092	0.05%	0.001%
301	15.439	15.430	15.450	VV	1348	13163		
302	15.454	15.450	15.471	VV	1226	12054		
303	15.479	15.471	15.484	VV	1019	6220		
304	15.489	15.484	15.500	VV	937	7428		
305	15.523	15.500	15.540	VV	1362	23708		
306	15.562	15.540	15.587	VV	2507	45158	0.14%	0.003%
307	15.604	15.587	15.630	VV	1559	30102	0.09%	0.002%
308	15.632	15.630	15.663	VV	1077	10550	0.03%	0.001%
309	15.670	15.663	15.676	VV	469	2142	0.01%	0.000%
310	15.738	15.687	15.765	PV	1639	39197	0.12%	0.003%
311	15.785	15.765	15.800	VV	1204	17579	0.05%	0.001%
312	15.837	15.800	15.864	VV	1390	35204	0.11%	0.003%
313	15.871	15.864	15.875	VV	850	4556	0.01%	0.000%
314	15.900	15.875	15.907	VV	1173	17528	0.05%	0.001%
315	15.935	15.907	15.990	VV	2445	73242	0.22%	0.005%
316	15.994	15.990	15.997	VV	842	3235	0.01%	0.000%
317	16.023	15.997	16.052	VV	3077	64918	0.19%	0.005%
318	16.056	16.052	16.089	VV	1640	25713	0.08%	0.002%
319	16.112	16.089	16.135	VV	2344	41179	0.12%	0.003%
320	16.139	16.135	16.150	VV	1379	10325	0.03%	0.001%
321	16.170	16.150	16.197	VV	1890	39225	0.12%	0.003%
322	16.203	16.197	16.210	VV	1237	9429	0.03%	0.001%
323	16.218	16.210	16.223	VV	1413	9522	0.03%	0.001%
324	16.232	16.223	16.256	VV	1471	25461	0.08%	0.002%
325	16.291	16.256	16.312	VV	2325	51543	0.15%	0.004%
326	16.336	16.312	16.373	VV	2574	62760	0.19%	0.005%
327	16.384	16.373	16.390	VV	1365	11931	0.04%	0.001%
328	16.408	16.390	16.441	VV	2871	59596	0.18%	0.004%
329	16.450	16.441	16.456	VV	1655	13241	0.04%	0.001%
330	16.459	16.456	16.461	VV	1545	5156	0.02%	0.000%
331	16.475	16.461	16.484	VV	1887	23286	0.07%	0.002%
332	16.504	16.484	16.525	VV	3881	67494	0.20%	0.005%
333	16.547	16.525	16.573	VV	6093	93421	0.28%	0.007%
334	16.579	16.573	16.620	VV	1610	32662	0.10%	0.002%
335	16.634	16.620	16.647	VV	1187	15996	0.05%	0.001%
336	16.662	16.647	16.674	VV	1439	19639	0.06%	0.001%
337	16.679	16.674	16.686	VV	1503	9848	0.03%	0.001%
338	16.708	16.686	16.750	VV	2241	56631	0.17%	0.004%
339	16.761	16.750	16.769	VV	1371	13522	0.04%	0.001%
340	16.789	16.769	16.807	VV	2435	42052	0.13%	0.003%
341	16.816	16.807	16.849	VV	2070	39567	0.12%	0.003%
342	16.872	16.849	16.922	VV	2648	81734	0.24%	0.006%
343	16.950	16.922	16.977	VV	3339	69401	0.21%	0.005%
344	16.984	16.977	17.002	VV	1639	18561	0.06%	0.001%
345	17.021	17.002	17.044	VV	1656	30774	0.09%	0.002%
346	17.055	17.044	17.074	VV	1445	23222	0.07%	0.002%
347	17.091	17.074	17.128	VV	1848	43107	0.13%	0.003%
348	17.141	17.128	17.146	VV	1255	10453	0.03%	0.001%
349	17.158	17.146	17.163	VV	1052	9976	0.03%	0.001%
350	17.184	17.163	17.214	VV	1656	38576	0.12%	0.003%
351	17.235	17.214	17.260	VV	1188	27588	0.08%	0.002%

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

Manual IntegrationsAPPROVED

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

rteres

352	17.280	17.260	17.300	VV	1175	22459	0.07%	0.002%
353	17.350	17.300	17.367	VV	2420	62190	0	
354	17.385	17.367	17.417	VV	4034	65406	0	
355	17.429	17.417	17.443	VV	1178	14787	0	
356	17.479	17.443	17.505	VV	3248	74724	0	
357	17.528	17.505	17.542	VV	2015	36777	0	
358	17.553	17.542	17.580	VV	1569	22870	0.07%	0.002%
359	17.585	17.580	17.590	VV	888	4542	0.01%	0.000%
360	17.594	17.590	17.600	VV	780	3863	0.01%	0.000%
361	17.612	17.600	17.624	VV	1300	12909	0.04%	0.001%
362	17.629	17.624	17.651	VV	694	11138	0.03%	0.001%
363	17.683	17.651	17.693	VV	1793	32176	0.10%	0.002%
364	17.700	17.693	17.722	VV	1678	25695	0.08%	0.002%
365	17.744	17.722	17.768	VV	7347	129129	0.39%	0.009%
366	17.771	17.768	17.787	VV	3376	34535	0.10%	0.002%
367	17.806	17.787	17.836	VV	5151	102910	0.31%	0.007%
368	17.848	17.836	17.873	VV	2867	44896	0.13%	0.003%
369	17.891	17.873	17.905	VV	1745	21662	0.06%	0.002%
370	17.955	17.905	17.995	VV	3034	72202	0.22%	0.005%
371	18.012	17.995	18.042	VV	1908	36977	0.11%	0.003%
372	18.062	18.042	18.111	VV	1398	34149	0.10%	0.002%
373	18.124	18.111	18.142	PV	290	3519	0.01%	0.000%
374	18.147	18.142	18.152	VV	277	1375	0.00%	0.000%
375	18.166	18.152	18.173	VV	433	3935	0.01%	0.000%
376	18.213	18.173	18.242	VV	3810	56794	0.17%	0.004%

Sum of corrected areas: 1383558615

Aromatic EPH 102324.M Sat Nov 09 03:30:12 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1DL		SDG No.:	P4721	
Lab Sample ID:	P4721-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.7	
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
FC067688.D	50	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	746		21.8	57.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1630	E	13.8	38.3	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	156		17.2	57.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	46.0	U	46.0	76.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	103	U	103	114	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.99		40 - 140	99%	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:	P4721-01DL	Acq On:	11 Nov 2024 10:25
Client Sample ID:	EX-2-TPH-1DL	Operator:	YP/AJ
Data file:	FC067688.D	Misc:	
Instrument:	FID_C	ALS Vial:	7
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.170	6.450	26405465	194.918	300	ug/ml
Aliphatic C12-C16	6.451	9.840	56166851	426.535	200	ug/ml
Aliphatic C16-C21	9.841	13.198	5195356	40.833	300	ug/ml
Aliphatic C21-C28	13.199	16.853	283268	2.359	400	ug/ml
Aliphatic C28-C40	16.854	21.695	101955	1.009	600	ug/ml
Aliphatic EPH	3.170	21.695	88152895	665.653		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	106918	0.99		ug/ml
Aliphatic C9-C28	3.170	16.853	88050940	664.645	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067688.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:25
Operator : YP/AJ
Sample : P4721-01DL 50X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:43:48 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...	12.929	106918	0.990 ug/mlm
Spiked Amount 50.000		Recovery =	1.98%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067688.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:25
Operator : YP/AJ
Sample : P4721-01DL 50X
Misc :
ALS Vial : 7 Sample Multiplier: 1

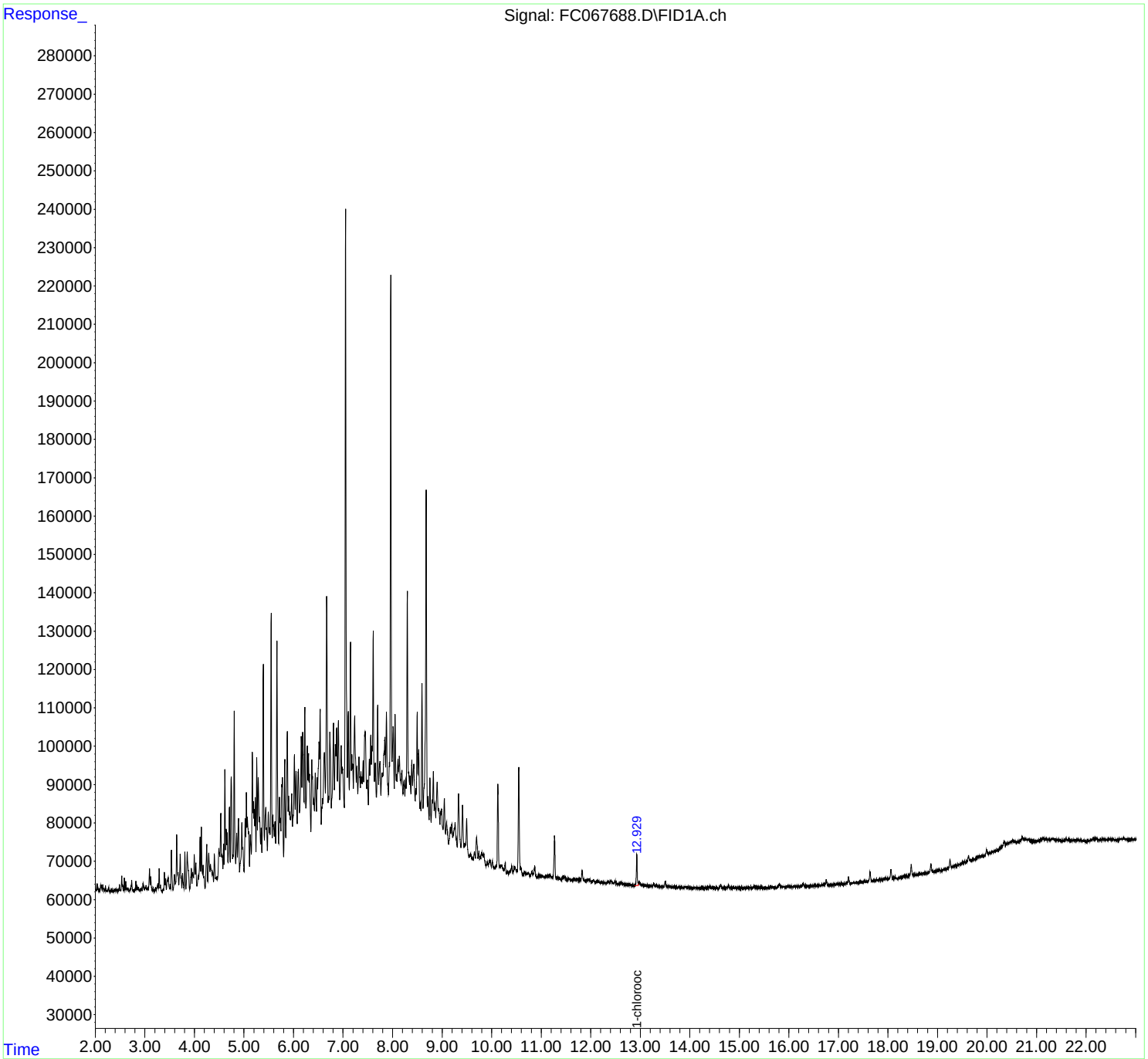
Instrument :
FID_C
ClientSampleId :
EX-2-TPH-1DL

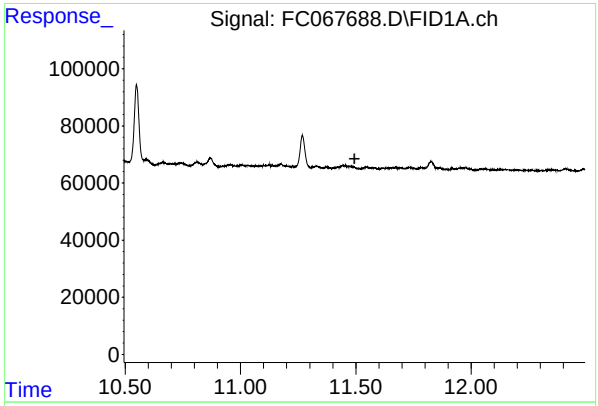
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:43:48 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





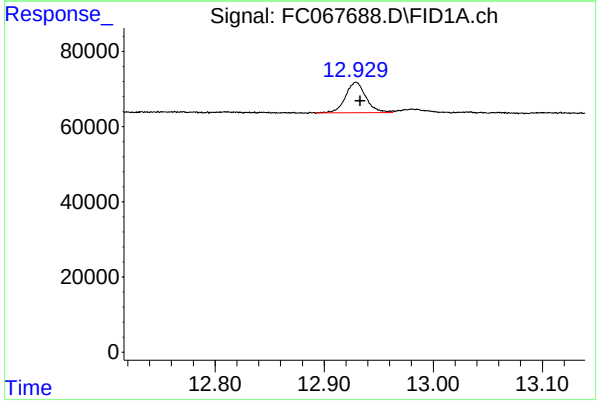
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 mi
Response: 0
Conc: N.D.

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.929 min
Delta R.T.: -0.004 min
Response: 106918
Conc: 0.99 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11112
Data File : FC067688.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:25
Sample : P4721-01DL 50X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: sample.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	3.288	3.254	3.304	BV	4877	39604	1.44%	0.045%
2	3.313	3.304	3.350	VV	999	8338	0.30%	0.009%
3	3.394	3.350	3.407	PV	4945	51840	1.88%	0.059%
4	3.417	3.407	3.433	VV	3261	31350	1.14%	0.036%
5	3.471	3.433	3.497	VV	3426	76485	2.77%	0.087%
6	3.509	3.497	3.517	VV	1524	11893	0.43%	0.013%
7	3.535	3.517	3.568	VV	10316	121837	4.42%	0.138%
8	3.597	3.568	3.616	PV	3941	56341	2.04%	0.064%
9	3.642	3.616	3.684	VV	14223	215769	7.82%	0.244%
10	3.713	3.684	3.748	VV	9048	147266	5.34%	0.167%
11	3.761	3.748	3.791	VV	4006	44750	1.62%	0.051%
12	3.808	3.791	3.821	PBA	9204	74190	2.69%	0.084%
13	3.855	3.821	3.903	BV	9390	181498	6.58%	0.206%
14	3.938	3.903	3.951	PV	5562	75846	2.75%	0.086%
15	3.965	3.951	3.981	VV	4496	62969	2.28%	0.071%
16	3.997	3.981	4.015	VV	9041	118303	4.29%	0.134%
17	4.029	4.015	4.051	VV	6844	85902	3.11%	0.097%
18	4.074	4.051	4.084	VV	3465	45286	1.64%	0.051%
19	4.114	4.084	4.126	VV	13635	179945	6.52%	0.204%
20	4.140	4.126	4.163	VV	16046	195708	7.09%	0.222%
21	4.176	4.163	4.214	VV	6302	106460	3.86%	0.121%
22	4.248	4.214	4.268	VV	11700	168586	6.11%	0.191%
23	4.289	4.268	4.311	VV	9504	157654	5.71%	0.179%
24	4.324	4.311	4.361	VV	6409	152555	5.53%	0.173%
25	4.371	4.361	4.385	VV	4519	53234	1.93%	0.060%
26	4.403	4.385	4.441	VV	9031	158009	5.73%	0.179%
27	4.453	4.441	4.465	VV	3216	41105	1.49%	0.047%
28	4.494	4.465	4.513	VV	10499	208505	7.56%	0.236%
29	4.531	4.513	4.575	VV	19848	408485	14.81%	0.463%
30	4.589	4.575	4.599	VV	11838	122713	4.45%	0.139%
31	4.615	4.599	4.631	VV	31154	347837	12.61%	0.394%
32	4.642	4.631	4.677	VV	15697	344422	12.48%	0.390%
33	4.705	4.677	4.722	VV	21353	351397	12.74%	0.398%
34	4.743	4.722	4.784	VV	29277	598754	21.70%	0.678%
35	4.804	4.784	4.833	VV	46112	585588	21.23%	0.663%
36	4.854	4.833	4.868	VV	14655	227841	8.26%	0.258%

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

rteres

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/12/2024

37	4.889	4.868	4.911	VV	18265	324534	11.76%	0.368%
38	4.957	4.911	5.001	VV	17184	495443	17	
39	5.025	5.001	5.036	VV	18320	252671	9	
40	5.049	5.036	5.112	VV	24944	734029	26	
41	5.128	5.112	5.149	VV	14006	240532	8	
42	5.170	5.149	5.216	VV	35226	866074	31	
43	5.228	5.216	5.242	VV	23865	286941	10.40%	0.325%
44	5.259	5.242	5.273	VV	34191	409890	14.86%	0.464%
45	5.289	5.273	5.336	VV	28917	762128	27.63%	0.863%
46	5.348	5.336	5.361	VV	15725	193877	7.03%	0.220%
47	5.390	5.361	5.413	VV	58459	850927	30.84%	0.964%
48	5.439	5.413	5.473	VV	20964	585786	21.23%	0.664%
49	5.492	5.473	5.527	VV	19947	510046	18.49%	0.578%
50	5.549	5.527	5.572	VV	71472	947561	34.35%	1.074%
51	5.584	5.572	5.612	VV	19056	386833	14.02%	0.438%
52	5.626	5.612	5.640	VV	17357	256093	9.28%	0.290%
53	5.666	5.640	5.699	VV	64249	1060194	38.43%	1.201%
54	5.718	5.699	5.746	VV	23851	501671	18.18%	0.568%
55	5.777	5.746	5.801	VV	29078	691836	25.08%	0.784%
56	5.824	5.801	5.844	VV	33377	526339	19.08%	0.596%
57	5.875	5.844	5.943	VV	40838	1401904	50.82%	1.588%
58	5.964	5.943	5.980	VV	24719	454973	16.49%	0.515%
59	6.018	5.980	6.035	VV	34859	792889	28.74%	0.898%
60	6.052	6.035	6.075	VV	30310	574196	20.81%	0.651%
61	6.099	6.075	6.121	VV	30762	691538	25.07%	0.783%
62	6.157	6.121	6.171	VV	39604	841601	30.51%	0.954%
63	6.186	6.171	6.211	VV	40565	788983	28.60%	0.894%
64	6.229	6.211	6.251	VV	47166	775970	28.13%	0.879%
65	6.278	6.251	6.292	VV	37082	733567	26.59%	0.831%
66	6.303	6.292	6.351	VV	34853	939709	34.06%	1.065%
67	6.370	6.351	6.422	VV	32797	1043177	37.81%	1.182%
68	6.441	6.422	6.464	VV	29908	625288	22.67%	0.708%
69	6.538	6.464	6.561	VV	46767	1813843	65.75%	2.055%
70	6.622	6.561	6.644	VV	35050	1316911	47.74%	1.492%
71	6.671	6.644	6.714	VV	75682	1669707	60.52%	1.892%
72	6.735	6.714	6.764	VV	40437	924859	33.52%	1.048%
73	6.807	6.764	6.826	VV	42883	1127069	40.85%	1.277%
74	6.848	6.826	6.858	VV	36951	623376	22.60%	0.706%
75	6.871	6.858	6.887	VV	41663	636411	23.07%	0.721%
76	6.907	6.887	6.935	VV	43345	951924	34.51%	1.079%
77	6.962	6.935	6.978	VV	36980	796667	28.88%	0.903%
78	6.987	6.978	7.025	VV	31300	774244	28.07%	0.877%
79	7.052	7.025	7.089	VV	176215	2758752	100.00%	3.126%
80	7.106	7.089	7.126	VV	45450	795651	28.84%	0.901%
81	7.151	7.126	7.169	VV	63844	1074164	38.94%	1.217%
82	7.179	7.169	7.209	VV	34463	748943	27.15%	0.849%
83	7.235	7.209	7.268	VV	44605	1253037	45.42%	1.420%
84	7.281	7.268	7.299	VV	31599	528992	19.18%	0.599%
85	7.322	7.299	7.350	VV	34020	895622	32.46%	1.015%
86	7.362	7.350	7.372	VV	30028	385645	13.98%	0.437%
87	7.382	7.372	7.390	VV	28767	291527	10.57%	0.330%
88	7.405	7.390	7.418	VV	32875	506243	18.35%	0.574%
89	7.445	7.418	7.476	VV	40346	1215659	44.07%	1.377%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

90	7.491	7.476	7.512	VV	27806	554154	20.09%	0.628%
91	7.531	7.512	7.543	VV	33502	542233	19	
92	7.559	7.543	7.572	VV	39530	607358	22	
93	7.610	7.572	7.633	VV	66675	1511258	54	
94	7.650	7.633	7.674	VV	32455	712736	25	
95	7.699	7.674	7.719	VV	47416	917926	33	
96	7.746	7.719	7.765	VV	32587	813906	29.50%	0.922%
97	7.788	7.765	7.798	VV	29802	549233	19.91%	0.622%
98	7.844	7.798	7.860	VV	39021	1261657	45.73%	1.429%
99	7.877	7.860	7.917	VV	45492	1140264	41.33%	1.292%
100	7.965	7.917	7.990	VV	158370	2684555	97.31%	3.042%
101	8.013	7.990	8.035	VV	41738	945519	34.27%	1.071%
102	8.052	8.035	8.074	VV	45088	819475	29.70%	0.928%
103	8.083	8.074	8.091	VV	28998	299248	10.85%	0.339%
104	8.108	8.091	8.120	VV	33197	542501	19.66%	0.615%
105	8.139	8.120	8.170	VV	34005	904662	32.79%	1.025%
106	8.188	8.170	8.209	VV	30290	657551	23.84%	0.745%
107	8.233	8.209	8.249	VV	27453	623505	22.60%	0.706%
108	8.264	8.249	8.274	VV	28128	396720	14.38%	0.449%
109	8.299	8.274	8.344	VV	77126	1691945	61.33%	1.917%
110	8.352	8.344	8.369	VV	28974	407332	14.77%	0.461%
111	8.389	8.369	8.405	VV	32656	605716	21.96%	0.686%
112	8.428	8.405	8.457	VV	31504	881705	31.96%	0.999%
113	8.497	8.457	8.513	VV	45716	1030290	37.35%	1.167%
114	8.528	8.513	8.552	VV	35354	696985	25.26%	0.790%
115	8.561	8.552	8.573	VV	21778	261521	9.48%	0.296%
116	8.595	8.573	8.618	VV	52763	892041	32.33%	1.011%
117	8.679	8.618	8.706	VV	102791	2274989	82.46%	2.577%
118	8.718	8.706	8.736	VV	23560	393010	14.25%	0.445%
119	8.756	8.736	8.778	VV	28360	560125	20.30%	0.635%
120	8.824	8.778	8.842	VV	29953	879459	31.88%	0.996%
121	8.853	8.842	8.871	VV	21806	356070	12.91%	0.403%
122	8.900	8.871	8.957	VV	27076	1101474	39.93%	1.248%
123	8.987	8.957	9.015	VV	20180	629602	22.82%	0.713%
124	9.046	9.015	9.071	VV	22852	589614	21.37%	0.668%
125	9.090	9.071	9.131	VV	16855	520137	18.85%	0.589%
126	9.165	9.131	9.177	VV	15448	362708	13.15%	0.411%
127	9.196	9.177	9.214	VV	16319	332393	12.05%	0.377%
128	9.263	9.214	9.305	VV	16592	749483	27.17%	0.849%
129	9.333	9.305	9.384	VV	24182	732758	26.56%	0.830%
130	9.414	9.384	9.441	VV	21125	503106	18.24%	0.570%
131	9.452	9.441	9.461	VV	11123	127702	4.63%	0.145%
132	9.497	9.461	9.542	VV	17700	560551	20.32%	0.635%
133	9.574	9.542	9.631	VV	8437	408207	14.80%	0.462%
134	9.652	9.631	9.670	VV	8910	188543	6.83%	0.214%
135	9.697	9.670	9.727	VV	12755	340938	12.36%	0.386%
136	9.742	9.727	9.759	VV	9082	154053	5.58%	0.175%
137	9.799	9.759	9.834	VV	8778	360687	13.07%	0.409%
138	9.842	9.834	9.885	VV	8589	211599	7.67%	0.240%
139	9.909	9.885	9.931	VV	6381	162607	5.89%	0.184%
140	9.970	9.931	9.995	VV	6762	228373	8.28%	0.259%
141	10.015	9.995	10.049	VV	6593	179405	6.50%	0.203%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

142	10.088	10.049	10.097	VV	5523	144213	5.23%	0.163%
143	10.126	10.097	10.158	VV	26352	472038	17	
144	10.168	10.158	10.174	VV	5274	49943	1	
145	10.203	10.174	10.246	VV	5445	210524	7	
146	10.274	10.246	10.298	VV	6048	144782	5	
147	10.316	10.298	10.348	VV	3891	103798	3	
148	10.376	10.348	10.384	VV	4029	80983	2.94%	0.092%
149	10.407	10.384	10.434	VV	5341	130492	4.73%	0.148%
150	10.456	10.434	10.465	VV	5029	80392	2.91%	0.091%
151	10.474	10.465	10.518	VV	4842	135228	4.90%	0.153%
152	10.549	10.518	10.582	VV	30969	521577	18.91%	0.591%
153	10.592	10.582	10.628	VV	4661	105030	3.81%	0.119%
154	10.664	10.628	10.686	VV	3652	112854	4.09%	0.128%
155	10.698	10.686	10.719	VV	3150	59906	2.17%	0.068%
156	10.738	10.719	10.784	VV	3379	118787	4.31%	0.135%
157	10.811	10.784	10.836	VV	3670	97948	3.55%	0.111%
158	10.869	10.836	10.911	VV	5190	152224	5.52%	0.172%
159	10.952	10.911	10.988	VV	2869	112906	4.09%	0.128%
160	11.005	10.988	11.020	VV	2636	48421	1.76%	0.055%
161	11.033	11.020	11.055	VV	2580	50433	1.83%	0.057%
162	11.064	11.055	11.072	VV	2316	22797	0.83%	0.026%
163	11.079	11.072	11.084	VV	2324	17168	0.62%	0.019%
164	11.102	11.084	11.114	VV	2548	44439	1.61%	0.050%
165	11.126	11.114	11.151	VV	2672	54396	1.97%	0.062%
166	11.175	11.151	11.231	VV	2889	113512	4.11%	0.129%
167	11.268	11.231	11.305	VV	12924	242301	8.78%	0.275%
168	11.330	11.305	11.357	VV	2236	59792	2.17%	0.068%
169	11.373	11.357	11.397	VV	1882	39639	1.44%	0.045%
170	11.450	11.397	11.521	VV	2472	139880	5.07%	0.158%
171	11.545	11.521	11.594	VV	1839	69407	2.52%	0.079%
172	11.671	11.594	11.713	VV	1745	104298	3.78%	0.118%
173	11.731	11.713	11.764	VV	1690	46394	1.68%	0.053%
174	11.785	11.764	11.799	VV	1647	31093	1.13%	0.035%
175	11.827	11.799	11.904	VV	3787	115088	4.17%	0.130%
176	11.919	11.904	11.931	VV	1347	18933	0.69%	0.021%
177	11.974	11.931	12.020	VV	1524	64357	2.33%	0.073%
178	12.055	12.020	12.103	VV	1197	47110	1.71%	0.053%
179	12.130	12.103	12.174	VV	940	36667	1.33%	0.042%
180	12.192	12.174	12.223	VV	789	20983	0.76%	0.024%
181	12.233	12.223	12.248	VV	688	8857	0.32%	0.010%
182	12.263	12.248	12.309	VV	619	20257	0.73%	0.023%
183	12.348	12.309	12.384	VV	803	28906	1.05%	0.033%
184	12.408	12.384	12.468	VV	1184	34570	1.25%	0.039%
185	12.488	12.468	12.538	VV	1034	23445	0.85%	0.027%
186	12.551	12.538	12.566	VV	295	4332	0.16%	0.005%
187	12.585	12.566	12.607	VV	430	7915	0.29%	0.009%
188	12.632	12.607	12.701	VBA	453	10542	0.38%	0.012%
189	12.764	12.701	12.791	BV	195	4518	0.16%	0.005%
190	12.809	12.791	12.836	PV	231	3642	0.13%	0.004%
191	12.844	12.836	12.884	VV	145	1822	0.07%	0.002%
192	12.929	12.884	12.961	PV	8173	110737	4.01%	0.125%
193	12.981	12.961	13.018	VV	1104	22404	0.81%	0.025%
194	13.032	13.018	13.051	VV	380	5336	0.19%	0.006%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
195	13.061	13.051	13.085	VV	260	3276	0.12%	0.004%
196	13.102	13.085	13.137	VV	238	5642		
197	13.149	13.137	13.183	VV	251	4111		
198	13.194	13.183	13.221	PV	180	3064		
199	13.273	13.221	13.296	VV	904	15287		
200	13.319	13.296	13.348	VV	472	8669		
201	13.368	13.348	13.393	VV	223	3765	0.14%	0.004%
202	13.407	13.393	13.462	VV	153	3114	0.11%	0.004%
203	13.504	13.462	13.568	VV	1418	26300	0.95%	0.030%
204	13.589	13.568	13.664	VV	279	9378	0.34%	0.011%
205	13.679	13.664	13.712	VV	352	5885	0.21%	0.007%
206	13.728	13.712	13.745	VV	141	1240	0.04%	0.001%
207	13.761	13.745	13.811	VV	174	3274	0.12%	0.004%
208	13.827	13.811	13.874	VV	124	2265	0.08%	0.003%
209	13.909	13.874	13.950	PV	323	7300	0.26%	0.008%
210	13.982	13.950	14.022	VV	169	3784	0.14%	0.004%
211	14.136	14.131	14.202	VV	118	3003	0.11%	0.003%
212	14.246	14.202	14.286	VV	326	5068	0.18%	0.006%
213	14.327	14.286	14.337	VV	138	1892	0.07%	0.002%
214	14.411	14.337	14.461	PV	579	12136	0.44%	0.014%
215	14.490	14.461	14.513	VV	180	2467	0.09%	0.003%
216	14.523	14.513	14.577	VV	78	1694	0.06%	0.002%
217	14.624	14.577	14.664	PV	1039	17807	0.65%	0.020%
218	14.685	14.664	14.728	VV	140	3922	0.14%	0.004%
219	14.785	14.728	14.819	VV	680	15475	0.56%	0.018%
220	14.826	14.819	14.838	VV	136	1353	0.05%	0.002%
221	14.842	14.838	14.884	VV	137	2662	0.10%	0.003%
222	14.904	14.884	14.915	VV	207	2464	0.09%	0.003%
223	14.923	14.915	14.935	VV	133	1431	0.05%	0.002%
224	15.004	14.985	15.020	PV	141	1520	0.06%	0.002%
225	15.040	15.020	15.066	VV	162	3053	0.11%	0.003%
226	15.078	15.066	15.087	VV	105	818	0.03%	0.001%
227	15.139	15.087	15.151	VV	155	4185	0.15%	0.005%
228	15.172	15.151	15.184	VV	145	1998	0.07%	0.002%
229	15.205	15.184	15.234	VV	209	3904	0.14%	0.004%
230	15.305	15.234	15.361	VV	572	14115	0.51%	0.016%
231	15.373	15.361	15.391	VV	191	2265	0.08%	0.003%
232	15.394	15.391	15.414	VV	180	1045	0.04%	0.001%
233	15.430	15.414	15.464	VV	141	2276	0.08%	0.003%
234	15.474	15.464	15.491	PV	98	1224	0.04%	0.001%
235	15.513	15.491	15.523	VV	140	1204	0.04%	0.001%
236	15.622	15.523	15.631	VV	208	5377	0.19%	0.006%
237	15.646	15.631	15.660	VV	182	1926	0.07%	0.002%
238	15.685	15.660	15.718	VV	151	3456	0.13%	0.004%
239	15.765	15.718	15.778	VV	191	4369	0.16%	0.005%
240	15.805	15.778	15.869	VV	938	18341	0.66%	0.021%
241	15.878	15.869	15.944	VV	162	3748	0.14%	0.004%
242	16.001	15.960	16.028	VV	215	3787	0.14%	0.004%
243	16.096	16.081	16.118	VV	141	2041	0.07%	0.002%
244	16.182	16.118	16.201	VV	101	3529	0.13%	0.004%
245	16.286	16.201	16.325	PV	897	17009	0.62%	0.019%
246	16.335	16.325	16.342	VV	159	1026	0.04%	0.001%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	16.368	16.342	16.411	VV	141	3676	0.13%	0.004%
248	16.421	16.411	16.431	VV	112	786		
249	16.508	16.431	16.528	VV	115	4528		
250	16.541	16.528	16.562	VV	95	1527		
251	16.579	16.562	16.604	VV	153	2093		
252	16.647	16.604	16.690	VV	154	5002		
253	16.845	16.834	16.877	PV	111	1805	0.07%	0.002%
254	16.894	16.877	16.904	VV	151	1523	0.06%	0.002%
255	16.988	16.904	17.019	VV	204	7085	0.26%	0.008%
256	17.048	17.019	17.105	VV	200	4688	0.17%	0.005%
257	17.160	17.105	17.178	PV	237	4865	0.18%	0.006%
258	17.203	17.178	17.248	VV	1837	27184	0.99%	0.031%
259	17.262	17.248	17.271	PV	51	381	0.01%	0.000%
260	17.307	17.271	17.338	PV	166	3269	0.12%	0.004%
261	17.391	17.338	17.415	PV	149	2480	0.09%	0.003%
262	17.485	17.415	17.511	VV	154	5175	0.19%	0.006%
263	17.525	17.511	17.562	VV	133	2517	0.09%	0.003%
264	17.638	17.562	17.678	VV	2421	40633	1.47%	0.046%
265	17.700	17.678	17.721	VV	159	2155	0.08%	0.002%

Sum of corrected areas: 88263624

Aliphatic EPH 102324.M Tue Nov 12 01:48:13 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1DL		SDG No.:	P4721	
Lab Sample ID:	P4721-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.7	
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
FD048691.D	20	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	70.8		6.90	15.3	mg/kg
Aromatic C12-C16	Aromatic C12-C16	368		7.82	23.0	mg/kg
Aromatic C16-C21	Aromatic C16-C21	213		22.1	38.3	mg/kg
Aromatic C21-C36	Aromatic C21-C36	46.0	U	46.0	61.3	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	4.50		40 - 140	180%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	3.13		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.82		40 - 140	73%	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:	P4721-01DL	Acq On:	11 Nov 2024 10:25
Client Sample ID:	EX-2-TPH-1DL	Operator:	YP/AJ
Data file:	FD048691.D	Misc:	
Instrument:	FID_D	ALS Vial:	57
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.090	5.808	8134423	46.165	200	ug/ml
Aromatic C12-C16	5.809	8.414	42580712	240.198	300	ug/ml
Aromatic C16-C21	8.415	12.677	22800134	139.167	500	ug/ml
Aromatic C21-C36	12.678	18.084	562119	3.681	800	ug/ml
Aromatic EPH	4.090	18.084	74077388	429.211		ug/ml
ortho-Terphenyl (SURR)	11.252	11.252	310729	1.82		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	683136	4.5		ug/ml
2-Flurobiphenyl (SURR)	8.223	8.223	307604	3.13		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048691.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 10:25
Operator : YP/AJ
Sample : P4721-01DL 20X
Misc :
ALS Vial : 57 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:44:59 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...	7.370	683136	4.501 ug/mlm
Spiked Amount 50.000		Recovery =	9.00%
6) S 2-Flurobiphenyl (SURR)	8.223	307604	3.133 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	6.27%
11) S ortho-Terphenyl (SURR)	11.252	310729	1.824 ug/mlm
Spiked Amount 50.000		Recovery =	3.65%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048691.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 10:25
Operator : YP/AJ
Sample : P4721-01DL 20X
Misc :
ALS Vial : 57 Sample Multiplier: 1

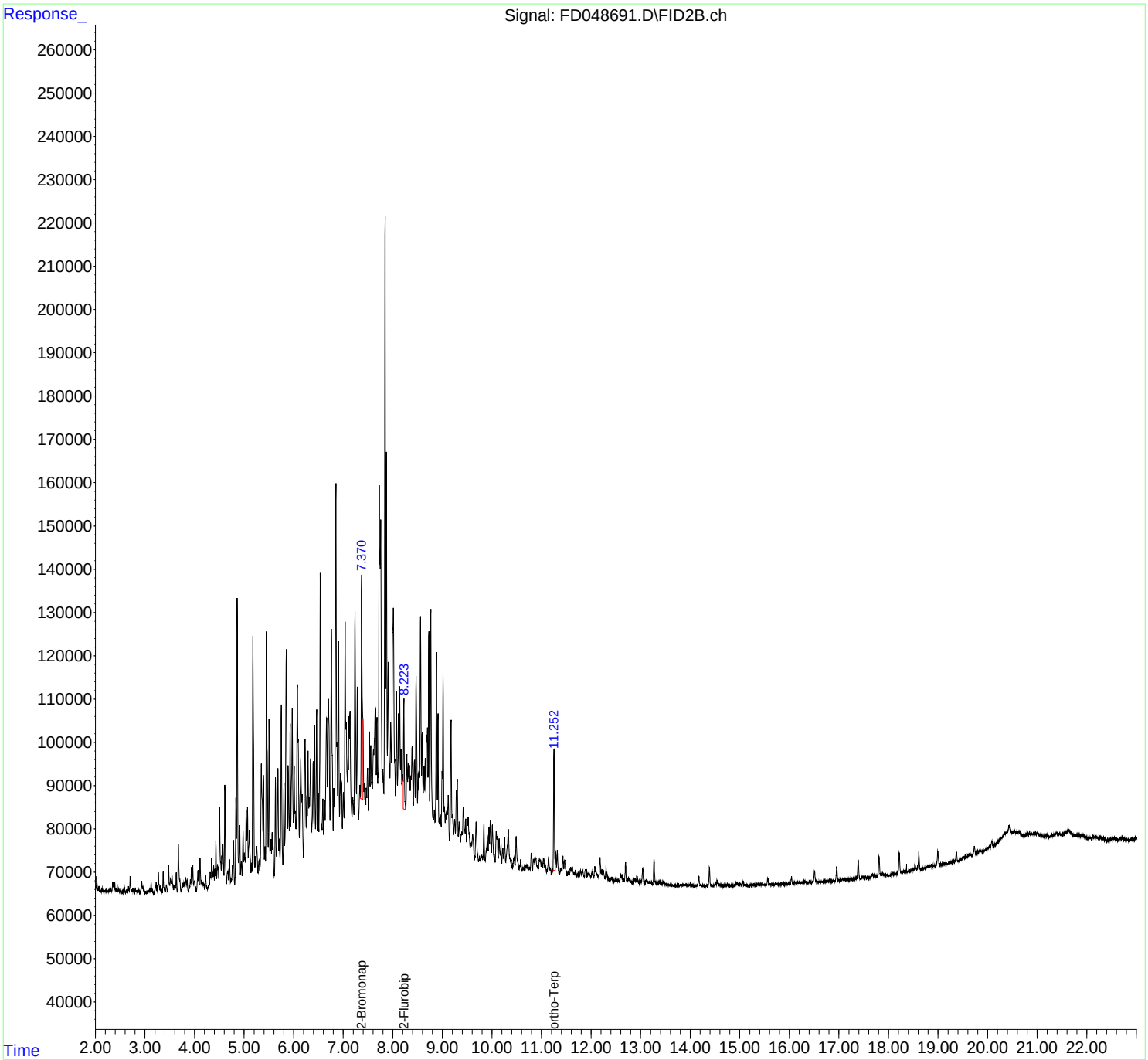
Instrument :
FID_D
ClientSampleId :
EX-2-TPH-1DL

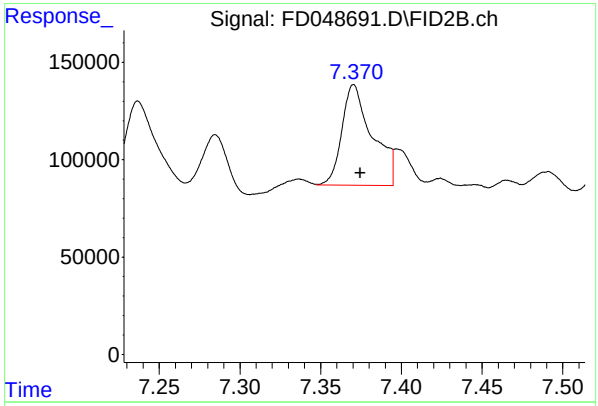
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:44:59 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





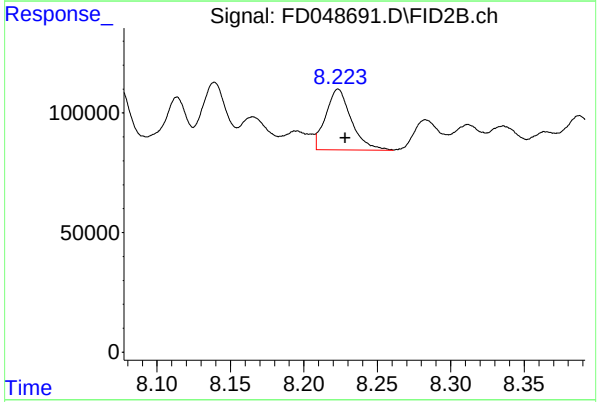
#4 2-Bromonaphthalene (SURR)

R.T.: 7.370 min
Delta R.T.: -0.004 mi
Response: 683136
Conc: 4.50 ug/m

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

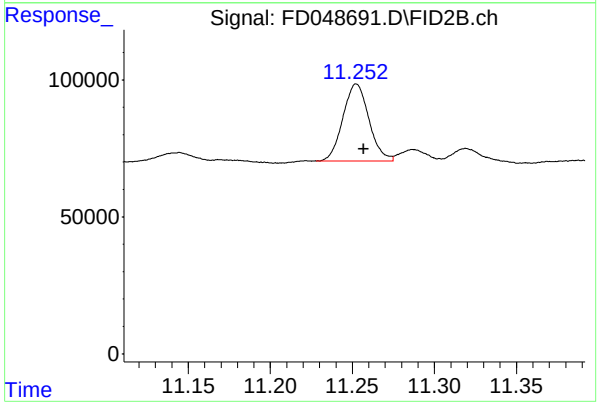
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.223 min
Delta R.T.: -0.005 min
Response: 307604
Conc: 3.13 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.252 min
Delta R.T.: -0.005 min
Response: 310729
Conc: 1.82 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11112
Data File : FD048691.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 10:25
Sample : P4721-01DL 20X
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: sample.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	4.110	4.094	4.131	PV	6376	65868	3.37%	0.088%
2	4.146	4.131	4.169	VV	1523	25568	1.31%	0.034%
3	4.174	4.169	4.180	VV	799	5007	0.26%	0.007%
4	4.189	4.180	4.205	VV	1058	9416	0.48%	0.013%
5	4.222	4.205	4.262	PV	3125	39699	2.03%	0.053%
6	4.275	4.262	4.281	PV	720	4996	0.26%	0.007%
7	4.316	4.281	4.329	VV	3869	60375	3.09%	0.081%
8	4.345	4.329	4.373	VV	7188	114009	5.83%	0.152%
9	4.386	4.373	4.398	VV	5454	57482	2.94%	0.077%
10	4.409	4.398	4.417	VV	4352	38067	1.95%	0.051%
11	4.431	4.417	4.447	VV	10874	110358	5.64%	0.147%
12	4.463	4.447	4.472	VV	5389	63594	3.25%	0.085%
13	4.476	4.472	4.489	VV	4606	37658	1.92%	0.050%
14	4.504	4.489	4.537	VV	18574	251295	12.85%	0.335%
15	4.549	4.537	4.559	VV	7174	74968	3.83%	0.100%
16	4.572	4.559	4.593	VV	9918	135319	6.92%	0.181%
17	4.612	4.593	4.646	VV	23402	271881	13.90%	0.363%
18	4.672	4.646	4.689	VV	3479	62902	3.22%	0.084%
19	4.705	4.689	4.726	VV	6060	69492	3.55%	0.093%
20	4.766	4.726	4.773	VV	4465	60484	3.09%	0.081%
21	4.787	4.773	4.809	VV	10208	103167	5.27%	0.138%
22	4.834	4.809	4.844	PV	18553	169733	8.68%	0.227%
23	4.860	4.844	4.885	VV	63135	626278	32.01%	0.836%
24	4.912	4.885	4.920	VBA	7540	62738	3.21%	0.084%
25	4.979	4.960	4.992	PV	10166	110077	5.63%	0.147%
26	5.002	4.992	5.011	VV	5301	47581	2.43%	0.064%
27	5.017	5.011	5.026	VV	4230	33458	1.71%	0.045%
28	5.042	5.026	5.056	VV	15016	176976	9.05%	0.236%
29	5.069	5.056	5.083	VV	15838	169925	8.69%	0.227%
30	5.108	5.083	5.140	VV	10579	196780	10.06%	0.263%
31	5.151	5.140	5.160	VV	2903	22219	1.14%	0.030%
32	5.177	5.160	5.212	VV	55352	770524	39.39%	1.028%
33	5.222	5.212	5.234	VV	4484	42405	2.17%	0.057%
34	5.254	5.234	5.280	VV	6745	114706	5.86%	0.153%
35	5.300	5.280	5.314	VV	3618	48266	2.47%	0.064%
36	5.347	5.314	5.379	VV	25899	523821	26.78%	0.699%

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37	5.390	5.379	5.409	VV	23327	240731	12.31%	0.321%
38	5.420	5.409	5.433	VV	6813	79009	4	
39	5.451	5.433	5.486	VV	56544	828232	42	
40	5.504	5.486	5.521	VV	36311	374070	19	
41	5.528	5.521	5.533	VV	6286	43711	2	
42	5.543	5.533	5.553	VV	8596	87543	4	
43	5.565	5.553	5.577	VV	10177	110839	5.67%	0.148%
44	5.584	5.577	5.610	VV	7189	73084	3.74%	0.098%
45	5.633	5.610	5.657	VV	22809	263329	13.46%	0.351%
46	5.683	5.657	5.699	VV	24963	358511	18.33%	0.479%
47	5.709	5.699	5.724	VV	8671	98141	5.02%	0.131%
48	5.750	5.724	5.784	VV	39659	548560	28.04%	0.732%
49	5.804	5.784	5.819	VV	21495	251571	12.86%	0.336%
50	5.852	5.819	5.875	VV	52492	892941	45.64%	1.192%
51	5.888	5.875	5.912	VV	25634	385675	19.71%	0.515%
52	5.929	5.912	5.943	VV	35303	406745	20.79%	0.543%
53	5.971	5.943	5.994	VV	38831	702603	35.91%	0.938%
54	6.010	5.994	6.024	VV	25525	333825	17.06%	0.446%
55	6.029	6.024	6.047	VV	15159	185141	9.46%	0.247%
56	6.074	6.047	6.114	VV	44459	1014805	51.87%	1.354%
57	6.143	6.114	6.161	VV	27584	562302	28.74%	0.751%
58	6.170	6.161	6.200	VV	18993	289080	14.78%	0.386%
59	6.230	6.200	6.252	VV	31837	607406	31.05%	0.811%
60	6.267	6.252	6.276	VV	19009	220682	11.28%	0.295%
61	6.290	6.276	6.304	VV	29099	354505	18.12%	0.473%
62	6.313	6.304	6.322	VV	18304	188098	9.61%	0.251%
63	6.342	6.322	6.362	VV	27335	475932	24.33%	0.635%
64	6.393	6.362	6.408	VV	26793	478185	24.44%	0.638%
65	6.421	6.408	6.440	VV	35042	417360	21.33%	0.557%
66	6.463	6.440	6.481	VV	38726	543578	27.79%	0.726%
67	6.495	6.481	6.508	VV	19414	240124	12.27%	0.320%
68	6.537	6.508	6.557	VV	70334	942607	48.18%	1.258%
69	6.564	6.557	6.573	VV	12357	117885	6.03%	0.157%
70	6.588	6.573	6.606	VV	18054	278725	14.25%	0.372%
71	6.624	6.606	6.636	VV	17733	258837	13.23%	0.345%
72	6.665	6.636	6.683	VV	36788	771773	39.45%	1.030%
73	6.699	6.683	6.734	VV	41246	912042	46.62%	1.217%
74	6.761	6.734	6.796	VV	57555	1139358	58.24%	1.521%
75	6.810	6.796	6.822	VV	20681	265747	13.58%	0.355%
76	6.852	6.822	6.888	VV	91008	1633111	83.48%	2.180%
77	6.906	6.888	6.926	VV	54723	729422	37.29%	0.974%
78	6.945	6.926	6.956	VV	24079	371177	18.97%	0.495%
79	6.965	6.956	6.982	VV	21896	276854	14.15%	0.370%
80	7.002	6.982	7.016	VV	19707	326341	16.68%	0.436%
81	7.038	7.016	7.053	VV	59091	796985	40.74%	1.064%
82	7.059	7.053	7.087	VV	35899	596408	30.49%	0.796%
83	7.097	7.087	7.104	VV	28042	265320	13.56%	0.354%
84	7.117	7.104	7.126	VV	37286	431450	22.05%	0.576%
85	7.136	7.126	7.178	VV	38596	767346	39.22%	1.024%
86	7.193	7.178	7.216	VV	18636	380834	19.47%	0.508%
87	7.237	7.216	7.266	VV	61557	1093449	55.89%	1.459%
88	7.285	7.266	7.307	VV	44275	674492	34.48%	0.900%
89	7.337	7.307	7.348	VV	21532	448379	22.92%	0.598%

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90	7.371	7.348	7.416	VV	70124	1562975	79.89%	2.086%
91	7.424	7.416	7.437	VV	21864	254851	13	
92	7.446	7.437	7.454	VV	18721	186418	9	
93	7.465	7.454	7.475	VV	20936	244080	12	
94	7.491	7.475	7.508	VV	25266	420434	21	
95	7.526	7.508	7.540	VV	33983	493370	25	
96	7.556	7.540	7.588	VV	30691	702515	35.91%	0.938%
97	7.611	7.588	7.618	VV	29909	476004	24.33%	0.635%
98	7.643	7.618	7.648	VV	38247	614044	31.39%	0.820%
99	7.654	7.648	7.668	VV	39151	411670	21.04%	0.549%
100	7.680	7.668	7.695	VV	37316	473322	24.19%	0.632%
101	7.703	7.695	7.707	VV	24436	174925	8.94%	0.233%
102	7.727	7.707	7.737	VV	90906	1075205	54.96%	1.435%
103	7.742	7.737	7.748	VV	75632	505153	25.82%	0.674%
104	7.757	7.748	7.787	VV	82938	1224923	62.61%	1.635%
105	7.800	7.787	7.818	VV	25374	430040	21.98%	0.574%
106	7.844	7.818	7.859	VV	152967	1860306	95.09%	2.483%
107	7.871	7.859	7.890	VV	98668	1191887	60.92%	1.591%
108	7.908	7.890	7.943	VV	50072	1090731	55.75%	1.456%
109	7.958	7.943	7.976	VV	36085	602375	30.79%	0.804%
110	8.012	7.976	8.055	VV	62365	1956322	100.00%	2.611%
111	8.074	8.055	8.093	VV	43385	682896	34.91%	0.911%
112	8.114	8.093	8.125	VV	38301	559288	28.59%	0.746%
113	8.139	8.125	8.155	VV	44479	623725	31.88%	0.832%
114	8.165	8.155	8.184	VV	30050	458554	23.44%	0.612%
115	8.195	8.184	8.207	VV	24088	323645	16.54%	0.432%
116	8.223	8.207	8.261	VV	41709	845645	43.23%	1.129%
117	8.283	8.261	8.298	VV	28865	507909	25.96%	0.678%
118	8.312	8.298	8.324	VV	26923	386010	19.73%	0.515%
119	8.336	8.324	8.352	VV	26242	404774	20.69%	0.540%
120	8.365	8.352	8.372	VV	23833	267491	13.67%	0.357%
121	8.388	8.372	8.414	VV	30634	637341	32.58%	0.851%
122	8.437	8.414	8.452	VV	27498	538042	27.50%	0.718%
123	8.470	8.452	8.498	VV	46873	891090	45.55%	1.189%
124	8.512	8.498	8.524	VV	24610	337547	17.25%	0.451%
125	8.536	8.524	8.541	VV	24979	235144	12.02%	0.314%
126	8.559	8.541	8.579	VV	60735	943274	48.22%	1.259%
127	8.592	8.579	8.615	VV	33975	572890	29.28%	0.765%
128	8.630	8.615	8.641	VV	26187	364072	18.61%	0.486%
129	8.655	8.641	8.669	VV	28102	402437	20.57%	0.537%
130	8.684	8.669	8.692	VV	33532	400724	20.48%	0.535%
131	8.700	8.692	8.712	VV	35106	378922	19.37%	0.506%
132	8.727	8.712	8.744	VV	57427	716470	36.62%	0.956%
133	8.767	8.744	8.816	VV	62559	1224510	62.59%	1.634%
134	8.839	8.816	8.852	VV	16205	327291	16.73%	0.437%
135	8.881	8.852	8.899	VV	52597	820803	41.96%	1.096%
136	8.912	8.899	8.931	VV	38594	495950	25.35%	0.662%
137	8.939	8.931	8.949	VV	14417	145459	7.44%	0.194%
138	8.962	8.949	8.976	VV	14915	225812	11.54%	0.301%
139	8.994	8.976	9.000	VV	25205	285346	14.59%	0.381%
140	9.015	9.000	9.035	VV	47515	665870	34.04%	0.889%
141	9.043	9.035	9.058	VV	17056	209078	10.69%	0.279%

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142	9.072	9.058	9.081	VV	15404	207604	10.61%	0.277%
143	9.095	9.081	9.104	VV	16730	216773	11	
144	9.120	9.104	9.145	VV	19740	367838	18	
145	9.175	9.145	9.195	VV	37071	632612	32	
146	9.204	9.195	9.227	VV	15428	254141	12	
147	9.247	9.227	9.264	VV	14095	281273	14	
148	9.283	9.264	9.291	VV	20711	266499	13.62%	0.356%
149	9.302	9.291	9.321	VV	23511	322989	16.51%	0.431%
150	9.339	9.321	9.367	VV	13607	311657	15.93%	0.416%
151	9.395	9.367	9.404	VV	11198	238180	12.17%	0.318%
152	9.422	9.404	9.460	VV	16937	448304	22.92%	0.598%
153	9.472	9.460	9.488	VV	14355	200681	10.26%	0.268%
154	9.505	9.488	9.513	VV	14075	190099	9.72%	0.254%
155	9.523	9.513	9.561	VV	14803	322740	16.50%	0.431%
156	9.579	9.561	9.593	VV	8683	165387	8.45%	0.221%
157	9.611	9.593	9.647	VV	10609	274292	14.02%	0.366%
158	9.680	9.647	9.730	VV	13607	396451	20.27%	0.529%
159	9.745	9.730	9.770	VV	5547	122235	6.25%	0.163%
160	9.784	9.770	9.812	VV	6087	138897	7.10%	0.185%
161	9.838	9.812	9.864	VV	13100	245014	12.52%	0.327%
162	9.885	9.864	9.891	VV	7246	98090	5.01%	0.131%
163	9.910	9.891	9.926	VV	10278	181665	9.29%	0.242%
164	9.942	9.926	9.953	VV	12534	163827	8.37%	0.219%
165	9.968	9.953	9.992	VV	13952	249626	12.76%	0.333%
166	10.008	9.992	10.066	VV	13012	352157	18.00%	0.470%
167	10.088	10.066	10.100	VV	11533	184500	9.43%	0.246%
168	10.107	10.100	10.129	VV	10413	141113	7.21%	0.188%
169	10.145	10.129	10.165	VV	9929	170911	8.74%	0.228%
170	10.182	10.165	10.198	VV	8322	133628	6.83%	0.178%
171	10.221	10.198	10.238	VV	7791	148269	7.58%	0.198%
172	10.257	10.238	10.278	VV	10178	171934	8.79%	0.229%
173	10.331	10.278	10.377	VV	12172	438158	22.40%	0.585%
174	10.384	10.377	10.390	VV	5085	39600	2.02%	0.053%
175	10.391	10.390	10.410	VV	5001	47196	2.41%	0.063%
176	10.446	10.410	10.467	VV	5692	154244	7.88%	0.206%
177	10.489	10.467	10.544	VV	10589	274072	14.01%	0.366%
178	10.558	10.544	10.562	VV	3723	38497	1.97%	0.051%
179	10.580	10.562	10.609	VV	5240	112274	5.74%	0.150%
180	10.623	10.609	10.637	VV	3330	51685	2.64%	0.069%
181	10.662	10.637	10.691	VV	4226	115058	5.88%	0.154%
182	10.705	10.691	10.721	VV	4124	67571	3.45%	0.090%
183	10.726	10.721	10.749	VV	3524	54254	2.77%	0.072%
184	10.761	10.749	10.773	VV	3500	48033	2.46%	0.064%
185	10.795	10.773	10.819	VV	6786	133780	6.84%	0.179%
186	10.837	10.819	10.842	VV	5198	59087	3.02%	0.079%
187	10.846	10.842	10.866	VV	5259	71856	3.67%	0.096%
188	10.881	10.866	10.925	VV	5702	161841	8.27%	0.216%
189	10.929	10.925	10.939	VV	3577	28115	1.44%	0.038%
190	10.957	10.939	10.965	VV	5162	70543	3.61%	0.094%
191	10.970	10.965	10.993	VV	5160	77599	3.97%	0.104%
192	11.009	10.993	11.026	VV	5604	93648	4.79%	0.125%
193	11.045	11.026	11.068	VV	5776	114112	5.83%	0.152%
194	11.079	11.068	11.102	VV	3976	70451	3.60%	0.094%

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195	11.108	11.102	11.113	VV	2663	17868	0.91%	0.024%
196	11.145	11.113	11.164	VV	6085	129033	6	
197	11.169	11.164	11.206	VV	3419	71917	3	
198	11.253	11.206	11.275	VV	31093	428189	21	
199	11.287	11.275	11.305	VV	7109	100017	5	
200	11.319	11.305	11.360	VV	7530	141447	7	
201	11.394	11.360	11.412	VV	3307	91252	4.66%	0.122%
202	11.432	11.412	11.449	VV	6165	101248	5.18%	0.135%
203	11.467	11.449	11.514	VV	5394	140621	7.19%	0.188%
204	11.540	11.514	11.560	VV	2825	63452	3.24%	0.085%
205	11.590	11.560	11.610	VV	3738	90592	4.63%	0.121%
206	11.624	11.610	11.648	VV	3670	67524	3.45%	0.090%
207	11.653	11.648	11.661	VV	2367	18267	0.93%	0.024%
208	11.684	11.661	11.721	VV	3026	83129	4.25%	0.111%
209	11.727	11.721	11.757	VV	2270	43154	2.21%	0.058%
210	11.785	11.757	11.800	VV	3073	62724	3.21%	0.084%
211	11.825	11.800	11.865	VV	3079	93278	4.77%	0.124%
212	11.898	11.865	11.922	VV	3439	90398	4.62%	0.121%
213	11.959	11.922	11.992	VV	2628	91179	4.66%	0.122%
214	12.032	11.992	12.056	VV	2778	81189	4.15%	0.108%
215	12.076	12.056	12.140	VV	4070	132914	6.79%	0.177%
216	12.181	12.140	12.202	VV	6168	124742	6.38%	0.166%
217	12.221	12.202	12.237	VV	3321	58838	3.01%	0.079%
218	12.251	12.237	12.277	VV	3062	55156	2.82%	0.074%
219	12.301	12.277	12.364	VV	3509	103609	5.30%	0.138%
220	12.371	12.364	12.383	VV	1187	11803	0.60%	0.016%
221	12.401	12.383	12.412	VV	1418	21738	1.11%	0.029%
222	12.423	12.412	12.452	VV	1568	28641	1.46%	0.038%
223	12.456	12.452	12.470	VV	919	8799	0.45%	0.012%
224	12.494	12.470	12.512	VV	1282	25637	1.31%	0.034%
225	12.519	12.512	12.528	VV	1112	9338	0.48%	0.012%
226	12.537	12.528	12.569	VV	1187	24258	1.24%	0.032%
227	12.595	12.569	12.612	VV	2386	40702	2.08%	0.054%
228	12.621	12.612	12.643	VV	2318	29216	1.49%	0.039%
229	12.661	12.643	12.672	VV	1142	16474	0.84%	0.022%
230	12.696	12.672	12.725	VV	5148	78712	4.02%	0.105%
231	12.748	12.725	12.840	VV	1396	63255	3.23%	0.084%
232	12.879	12.840	12.905	VV	1580	37823	1.93%	0.050%
233	12.930	12.905	12.958	VV	1893	38934	1.99%	0.052%
234	12.964	12.958	12.972	VV	709	4838	0.25%	0.006%
235	13.015	13.009	13.019	VV	923	4712	0.24%	0.006%
236	13.041	13.019	13.083	VV	3912	64440	3.29%	0.086%
237	13.089	13.083	13.092	VV	733	3267	0.17%	0.004%
238	13.113	13.092	13.144	VV	1227	28438	1.45%	0.038%
239	13.147	13.144	13.158	VV	731	5625	0.29%	0.008%
240	13.166	13.158	13.170	VV	868	4894	0.25%	0.007%
241	13.175	13.170	13.198	VV	793	11531	0.59%	0.015%
242	13.204	13.198	13.211	VV	668	4235	0.22%	0.006%
243	13.219	13.211	13.240	VV	602	8935	0.46%	0.012%
244	13.271	13.240	13.306	VV	5962	86675	4.43%	0.116%
245	13.312	13.306	13.323	VV	628	5304	0.27%	0.007%
246	13.363	13.323	13.369	VV	851	16313	0.83%	0.022%

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247	13.372	13.369	13.385	VV	760	5755	0.29%	0.008%
248	13.409	13.385	13.432	VV	1090	17816	0	
249	13.452	13.432	13.464	VV	970	12824	0	
250	13.469	13.464	13.492	VV	664	8019	0	
251	13.499	13.492	13.531	VV	448	8262	0	
252	13.537	13.531	13.545	VV	296	2207	0	
253	13.550	13.545	13.574	VV	377	4294	0.22%	0.006%
254	13.588	13.574	13.591	VV	261	1795	0.09%	0.002%
255	13.596	13.591	13.616	VV	314	2121	0.11%	0.003%
256	13.636	13.629	13.650	VV	309	2347	0.12%	0.003%
257	13.689	13.662	13.696	VV	201	2233	0.11%	0.003%
258	13.702	13.696	13.731	PV	158	2193	0.11%	0.003%
259	13.743	13.731	13.750	VV	156	1653	0.08%	0.002%
260	13.769	13.759	13.794	PV	485	3716	0.19%	0.005%
261	13.797	13.794	13.810	VV	256	2101	0.11%	0.003%
262	13.814	13.810	13.822	VV	363	1714	0.09%	0.002%
263	13.825	13.822	13.839	VV	326	2490	0.13%	0.003%
264	13.845	13.839	13.851	VV	320	1854	0.09%	0.002%
265	13.858	13.851	13.873	VV	397	3258	0.17%	0.004%
266	13.903	13.873	13.915	VV	460	7536	0.39%	0.010%

Sum of corrected areas: 74923027

Aromatic EPH 102324.M Tue Nov 12 03:58:34 2024

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1DL2		SDG No.:	P4721	
Lab Sample ID:	P4721-01DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.7	
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
FC067689.D	200	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	829		87.4	229	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1790		55.2	153	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	169	J	69.0	229	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	183	U	183	306	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	413	U	413	459	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

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-01DL2	Acq On:	11 Nov 2024 11:02
Client Sample ID:	EX-2-TPH-1DL2	Operator:	YP/AJ
Data file:	FC067689.D	Misc:	
Instrument:	FID_C	ALS Vial:	8
Dilution Factor:	200	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.170	6.450	7334182	54.139	300	ug/ml
Aliphatic C12-C16	6.451	9.840	15396469	116.922	200	ug/ml
Aliphatic C16-C21	9.841	13.198	1409597	11.079	300	ug/ml
Aliphatic C21-C28	13.199	16.853	176363	1.469	400	ug/ml
Aliphatic C28-C40	16.854	21.695	28101	0.278	600	ug/ml
Aliphatic EPH	3.170	21.695	24344712	183.886		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	3.170	16.853	24316611	183.609	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067689.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 11:02
Operator : YP/AJ
Sample : P4721-01DL2 200X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Nov 11 20:43:58 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

Target Compounds

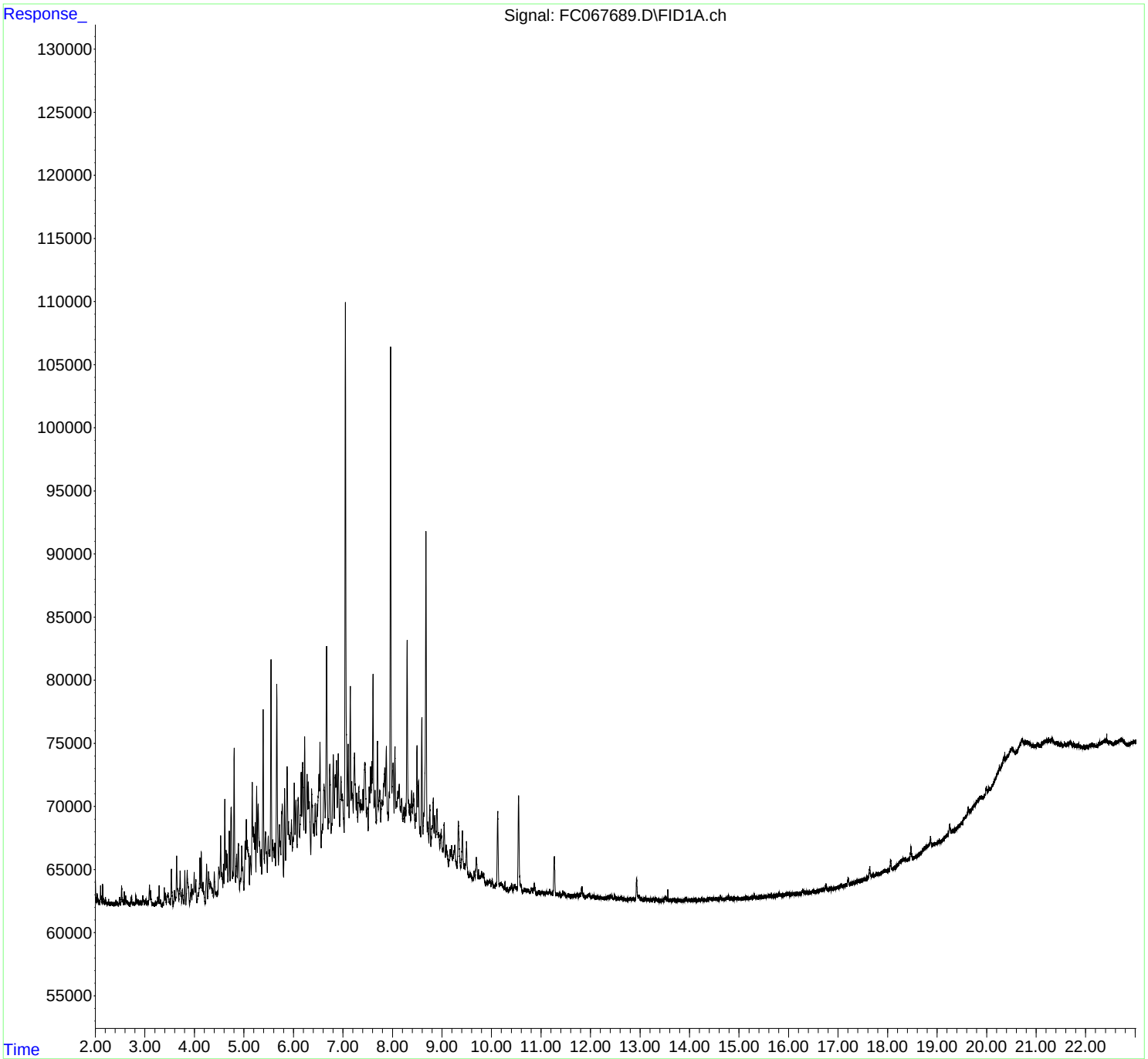
(f)=RT Delta > 1/2 Window (m)=manual int.

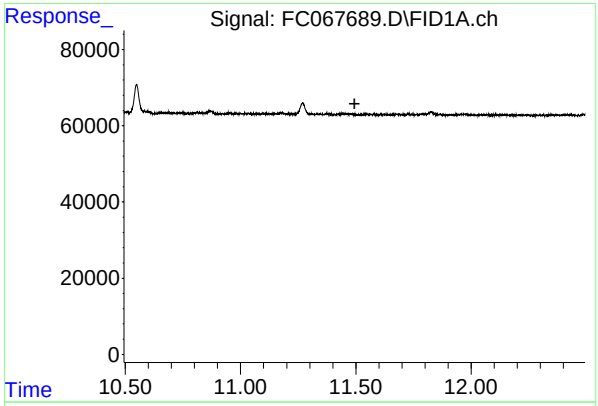
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067689.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 11:02
Operator : YP/AJ
Sample : P4721-01DL2 200X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Nov 11 20:43:58 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

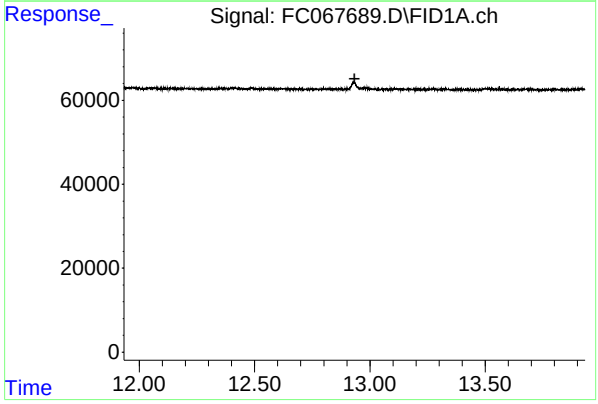




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

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



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.933 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067686.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:10
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	3.270	3.245	3.329	BB	334188	2824623	90.96%	5.003%
2	4.334	4.297	4.404	BB	317249	2874481	92.56%	5.092%
3	5.912	5.880	6.007	BB	332312	3105397	100.00%	5.501%
4	6.350	6.314	6.410	BB	285325	2861766	92.15%	5.069%
5	6.967	6.920	7.072	BB	291841	2945397	94.85%	5.217%
6	8.142	8.107	8.214	BB	262763	2780125	89.53%	4.925%
7	9.740	9.704	9.807	BB	248782	2808943	90.45%	4.976%
8	11.181	11.144	11.239	BB	244410	2798732	90.12%	4.958%
9	11.491	11.440	11.552	BB	274561	3054560	98.36%	5.411%
10	12.487	12.442	12.534	BB	219817	2659831	85.65%	4.712%
11	12.930	12.890	12.982	BB	190015	2238084	72.07%	3.964%
12	13.098	13.059	13.160	BB	207542	2608843	84.01%	4.621%
13	13.684	13.644	13.742	BB	197693	2580033	83.08%	4.570%
14	14.785	14.745	14.847	BB	200313	2552393	82.19%	4.521%
15	15.804	15.764	15.867	BB	181146	2511584	80.88%	4.449%
16	16.753	16.667	16.815	BB	184440	2490633	80.20%	4.412%
17	17.638	17.569	17.704	BB	176154	2572632	82.84%	4.557%
18	18.470	18.402	18.534	BB	173544	2509144	80.80%	4.445%
19	19.253	19.182	19.324	BB	152136	2225728	71.67%	3.943%
20	19.990	19.927	20.039	BB	126638	1906225	61.38%	3.377%
21	20.713	20.640	20.769	BB	102377	1799633	57.95%	3.188%
22	21.595	21.514	21.717	BB	73658	1744957	56.19%	3.091%
			Sum of corrected areas:			56453743		

Aliphatic EPH 102324.M Tue Nov 12 01:24:39 2024

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-2-TPH-2			SDG No.:	P4721
Lab Sample ID:	P4721-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	83
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
11/08/24 08:47	11/11/24 11:39	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	153		10	4.57	12.0	mg/kg	FC067690.D
Aliphatic C12-C16	Aliphatic C12-C16	441		50	14.4	40.1	mg/kg	FC067691.D
Aliphatic C16-C21	Aliphatic C16-C21	87.6		10	3.61	12.0	mg/kg	FC067690.D
Aliphatic C21-C28	Aliphatic C21-C28	9.02		1	0.96	1.60	mg/kg	FC067681.D
Aliphatic C28-C40	Aliphatic C28-C40	6.15		1	2.17	2.41	mg/kg	FC067681.D
Aromatic C10-C12	Aromatic C10-C12	15.7		1	0.36	0.80	mg/kg	FD048682.D
Aromatic C12-C16	Aromatic C12-C16	100		10	4.09	12.0	mg/kg	FD048692.D
Aromatic C16-C21	Aromatic C16-C21	114		10	11.6	20.1	mg/kg	FD048692.D
Aromatic C21-C36	Aromatic C21-C36	11.0		1	2.41	3.21	mg/kg	FD048682.D
Total AliphaticEPH	Total AliphaticEPH	697			25.7	68.1	mg/kg	
Total AromaticEPH	Total AromaticEPH	241			18.5	36.1	mg/kg	
Total EPH	Total EPH	937			44.2	104	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83	
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
FC067681.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	146	E	0.46	1.20	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	348	E	0.29	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	85.5	E	0.36	1.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.02		0.96	1.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.15		2.17	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	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:	P4721-02	Acq On:	08 Nov 2024 23:00
Client Sample ID:	EX-2-TPH-2	Operator:	YP/AJ
Data file:	FC067681.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	246833241	1820	300	ug/ml
Aliphatic C12-C16	6.451	9.841	572173691	4350	200	ug/ml
Aliphatic C16-C21	9.842	13.199	135680553	1070	300	ug/ml
Aliphatic C21-C28	13.200	16.853	13501845	112.431	400	ug/ml
Aliphatic C28-C40	16.854	21.698	7748833	76.65	600	ug/ml
Aliphatic EPH	3.171	21.698	975938163	7420		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	4044361	37.45		ug/ml
Aliphatic C9-C28	3.171	16.853	968189330	7350	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067681.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 23:00
Operator : YP/AJ
Sample : P4721-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2

Integration File: autoint1.e
Quant Time: Nov 09 01:39:03 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...	12.931	4044361	37.452 ug/ml
Spiked Amount 50.000		Recovery = 74.90%	
Target Compounds			

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

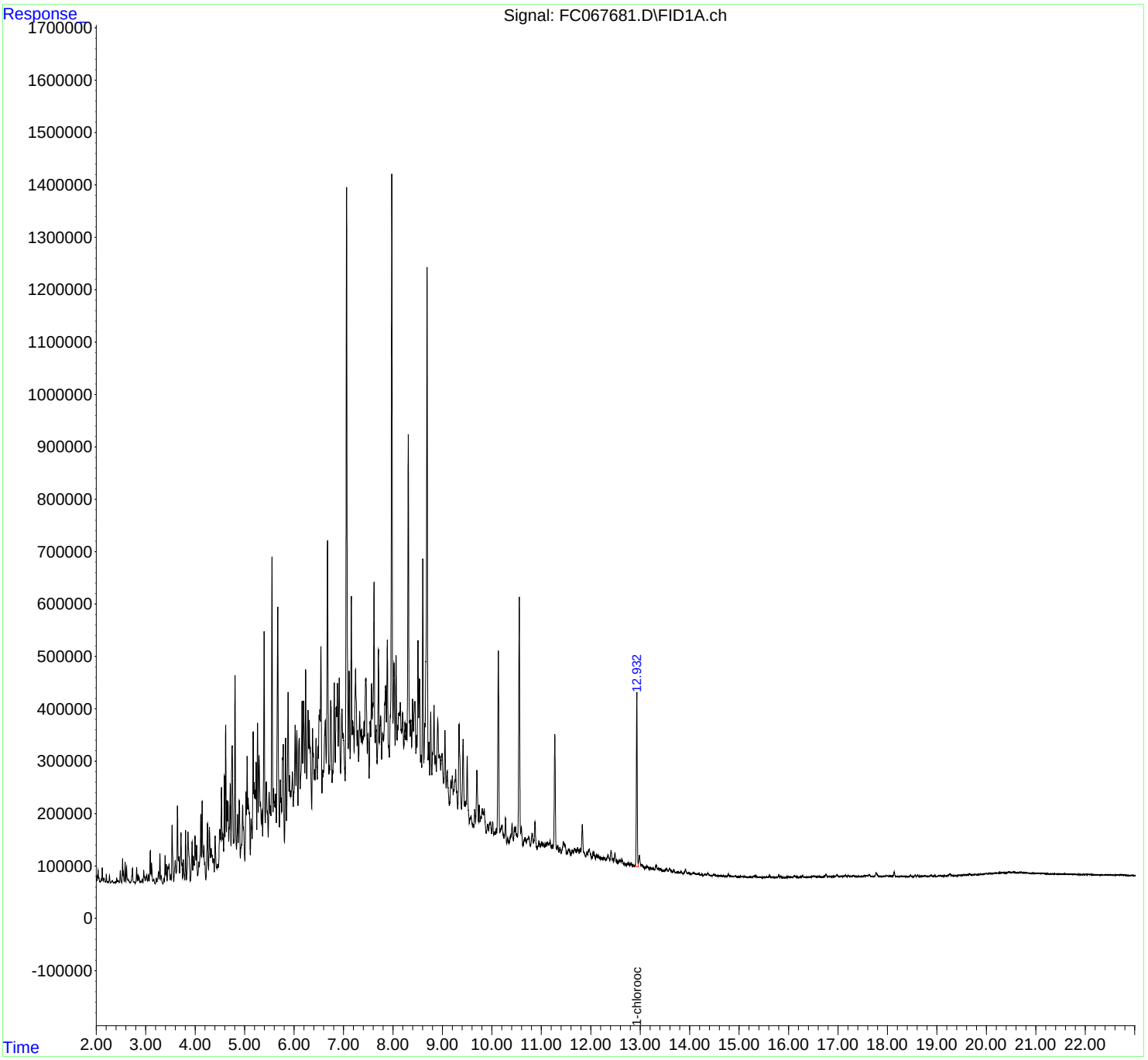
Quantitation Report (QT Reviewed)

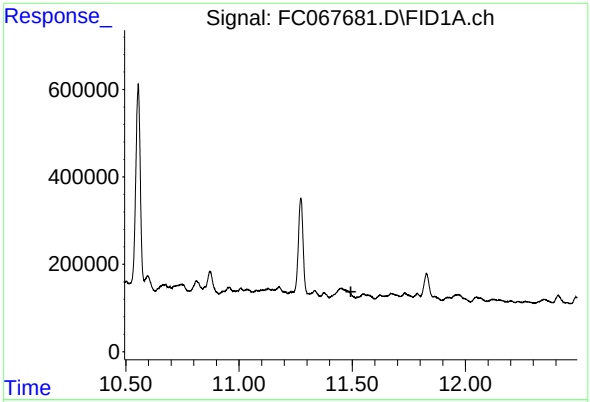
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067681.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 23:00
Operator : YP/AJ
Sample : P4721-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2

Integration File: autoint1.e
Quant Time: Nov 09 01:39:03 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

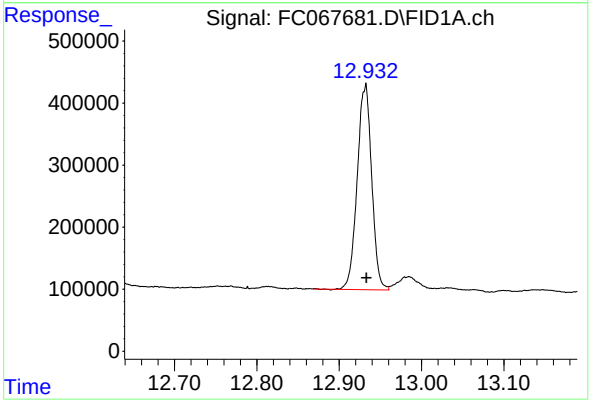




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2



#12 1-chlorooctadecane (SURR)

R.T.: 12.931 min
Delta R.T.: -0.002 min
Response: 4044361
Conc: 37.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067681.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 23:00
Sample : P4721-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.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	3.215	3.154	3.228	BV	6532	-20518	-0.08%	-0.002%
2	3.260	3.228	3.273	PV	20609	273552	1.08%	0.028%
3	3.288	3.273	3.304	VV	55953	527408	2.08%	0.054%
4	3.314	3.304	3.348	VV	14526	175380	0.69%	0.018%
5	3.369	3.348	3.377	PV	9822	82002	0.32%	0.008%
6	3.393	3.377	3.407	VV	53691	516942	2.04%	0.053%
7	3.418	3.407	3.434	VV	36832	367979	1.45%	0.038%
8	3.471	3.434	3.497	VV	37197	897725	3.54%	0.091%
9	3.509	3.497	3.517	VV	17238	145664	0.58%	0.015%
10	3.535	3.517	3.567	VV	111843	1430887	5.65%	0.146%
11	3.597	3.567	3.616	VV	44338	765148	3.02%	0.078%
12	3.643	3.616	3.662	VV	148061	1877978	7.41%	0.191%
13	3.670	3.662	3.686	VV	51554	566571	2.24%	0.058%
14	3.714	3.686	3.747	VV	97174	1665940	6.58%	0.170%
15	3.761	3.747	3.790	VV	45437	619544	2.45%	0.063%
16	3.808	3.790	3.825	VV	101349	931974	3.68%	0.095%
17	3.855	3.825	3.903	VV	97207	2105052	8.31%	0.215%
18	3.938	3.903	3.952	VV	79385	1091043	4.31%	0.111%
19	3.965	3.952	3.984	VV	50943	780072	3.08%	0.080%
20	3.998	3.984	4.016	VV	90691	1182167	4.67%	0.120%
21	4.030	4.016	4.051	VV	73265	925216	3.65%	0.094%
22	4.074	4.051	4.084	VV	41053	547495	2.16%	0.056%
23	4.115	4.084	4.127	VV	131004	1837095	7.25%	0.187%
24	4.141	4.127	4.164	VV	157276	2054796	8.11%	0.209%
25	4.176	4.164	4.215	VV	71153	1255060	4.95%	0.128%

rteres

26	4.249	4.215	4.269	VV	113500	1767957	6.98%	0.180%
27	4.289	4.269	4.311	VV	107336	1711546	6.76%	0.174%
28	4.325	4.311	4.361	VV	66714	1587252	6.27%	0.162%
29	4.372	4.361	4.386	VV	46554	574026	2.27%	0.059%
30	4.404	4.386	4.442	VV	89674	1605265	6.34%	0.164%
31	4.455	4.442	4.467	VV	36685	489701	1.93%	0.050%
32	4.498	4.467	4.515	VV	102077	2115829	8.35%	0.216%
33	4.532	4.515	4.575	VV	183246	3930731	15.52%	0.401%
34	4.591	4.575	4.603	VV	205357	2199888	8.68%	0.224%
35	4.617	4.603	4.632	VV	301046	3335626	13.17%	0.340%
36	4.645	4.632	4.656	VV	156565	1884118	7.44%	0.192%
37	4.665	4.656	4.679	VV	154628	1700870	6.71%	0.173%
38	4.709	4.679	4.724	VV	187217	3378531	13.34%	0.344%
39	4.747	4.724	4.783	VV	262078	5492470	21.68%	0.560%
40	4.806	4.783	4.835	VV	393575	5414440	21.37%	0.552%
41	4.856	4.835	4.871	VV	131099	2074825	8.19%	0.211%
42	4.892	4.871	4.914	VV	157925	2868039	11.32%	0.292%
43	4.960	4.914	5.003	VV	148372	4696963	18.54%	0.479%
44	5.027	5.003	5.038	VV	171764	2345238	9.26%	0.239%
45	5.051	5.038	5.115	VV	241481	6809779	26.88%	0.694%
46	5.132	5.115	5.152	VV	122328	2155932	8.51%	0.220%
47	5.173	5.152	5.218	VV	289018	7331375	28.94%	0.747%
48	5.232	5.218	5.245	VV	229751	2893110	11.42%	0.295%
49	5.261	5.245	5.276	VV	303997	3851016	15.20%	0.393%
50	5.292	5.276	5.339	VV	243402	6444390	25.44%	0.657%
51	5.351	5.339	5.364	VV	138526	1814831	7.16%	0.185%
52	5.395	5.364	5.417	VV	479865	7555695	29.83%	0.770%
53	5.439	5.417	5.477	VV	191447	5190562	20.49%	0.529%
54	5.496	5.477	5.512	VV	173144	2994756	11.82%	0.305%
55	5.521	5.512	5.531	VV	147600	1571147	6.20%	0.160%
56	5.553	5.531	5.576	VV	623868	8547771	33.74%	0.871%
57	5.587	5.576	5.612	VV	180122	3449681	13.62%	0.352%
58	5.626	5.612	5.641	VV	170377	2603679	10.28%	0.265%
59	5.670	5.641	5.703	VV	527669	10107331	39.90%	1.030%
60	5.722	5.703	5.751	VV	196640	4414649	17.43%	0.450%
61	5.781	5.751	5.805	VV	263415	6190799	24.44%	0.631%
62	5.828	5.805	5.848	VV	276080	4450545	17.57%	0.454%
63	5.880	5.848	5.898	VV	362444	7057767	27.86%	0.719%
64	5.907	5.898	5.937	VV	204466	4213384	16.63%	0.429%
65	5.967	5.937	5.985	VV	211051	5088435	20.09%	0.519%
66	6.022	5.985	6.039	VV	299005	6892879	27.21%	0.703%
67	6.057	6.039	6.079	VV	289581	5419226	21.39%	0.552%
68	6.104	6.079	6.125	VV	274890	6104034	24.10%	0.622%
69	6.162	6.125	6.176	VV	346185	7697214	30.39%	0.785%

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70	6.192	6.176	6.217	VV	343082	6864885	27.10%	0.700%
71	6.235	6.217	6.257	VV	405391	6815534	26.91%	0.695%
72	6.283	6.257	6.297	VV	328472	6606536	26.08%	0.673%
73	6.308	6.297	6.356	VV	309452	8454903	33.38%	0.862%
74	6.375	6.356	6.405	VV	292970	6700050	26.45%	0.683%
75	6.415	6.405	6.427	VV	214674	2710555	10.70%	0.276%
76	6.445	6.427	6.471	VV	273572	6055304	23.90%	0.617%
77	6.544	6.471	6.566	VV	451055	16937625	66.87%	1.726%
78	6.578	6.566	6.586	VV	213311	2419736	9.55%	0.247%
79	6.631	6.586	6.651	VV	308103	9805125	38.71%	0.999%
80	6.677	6.651	6.706	VV	649473	12678145	50.05%	1.292%
81	6.742	6.706	6.771	VV	344926	10245737	40.45%	1.044%
82	6.813	6.771	6.833	VV	380701	9912641	39.13%	1.010%
83	6.854	6.833	6.863	VV	333642	5526118	21.82%	0.563%
84	6.877	6.863	6.893	VV	379652	5934253	23.43%	0.605%
85	6.913	6.893	6.941	VV	390667	8574007	33.85%	0.874%
86	6.969	6.941	7.033	VV	330471	14369951	56.73%	1.465%
87	7.063	7.033	7.096	VV	1318541	22889004	90.36%	2.333%
88	7.114	7.096	7.134	VV	400629	7235289	28.56%	0.737%
89	7.159	7.134	7.215	VV	544130	16231254	64.08%	1.654%
90	7.244	7.215	7.275	VV	405238	11845992	46.77%	1.207%
91	7.287	7.275	7.305	VV	286390	4740207	18.71%	0.483%
92	7.328	7.305	7.356	VV	325187	8644923	34.13%	0.881%
93	7.367	7.356	7.380	VV	290266	3890873	15.36%	0.397%
94	7.414	7.380	7.424	VV	306171	7580946	29.93%	0.773%
95	7.451	7.424	7.482	VV	387233	11359323	44.84%	1.158%
96	7.496	7.482	7.519	VV	282653	5630447	22.23%	0.574%
97	7.539	7.519	7.550	VV	305168	4959182	19.58%	0.505%
98	7.567	7.550	7.598	VV	377062	9575855	37.80%	0.976%
99	7.618	7.598	7.638	VV	569111	9856875	38.91%	1.005%
100	7.657	7.638	7.680	VV	298388	6878794	27.16%	0.701%
101	7.706	7.680	7.727	VV	443066	9014313	35.59%	0.919%
102	7.751	7.727	7.771	VV	315659	7708479	30.43%	0.786%
103	7.792	7.771	7.810	VV	283050	6158840	24.31%	0.628%
104	7.851	7.810	7.866	VV	372365	11149122	44.01%	1.136%
105	7.885	7.866	7.925	VV	460026	11564087	45.65%	1.179%
106	7.977	7.925	8.001	VV	1348004	25250679	99.68%	2.574%
107	8.022	8.001	8.044	VV	417946	9006729	35.56%	0.918%
108	8.062	8.044	8.083	VV	428076	7940419	31.35%	0.809%
109	8.147	8.083	8.174	VV	341266	16819172	66.40%	1.714%
110	8.195	8.174	8.217	VV	319448	7663336	30.25%	0.781%
111	8.243	8.217	8.258	VV	301036	6892743	27.21%	0.703%
112	8.270	8.258	8.282	VV	296128	4070941	16.07%	0.415%

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113	8.309	8.282	8.350	VV	850882	18282982	72.18%	1.863%
114	8.361	8.350	8.378	VV	307409	4772749	18.84%	0.486%
115	8.396	8.378	8.413	VV	346837	6413763	25.32%	0.654%
116	8.442	8.413	8.464	VV	342718	9606631	37.92%	0.979%
117	8.505	8.464	8.520	VV	457137	10736533	42.39%	1.094%
118	8.537	8.520	8.558	VV	386461	7329411	28.93%	0.747%
119	8.570	8.558	8.580	VV	240899	3174325	12.53%	0.324%
120	8.603	8.580	8.626	VV	613530	10229022	40.38%	1.043%
121	8.689	8.626	8.712	VV	1170986	25330717	100.00%	2.582%
122	8.724	8.712	8.743	VV	264399	4410822	17.41%	0.450%
123	8.763	8.743	8.785	VV	323224	6487151	25.61%	0.661%
124	8.830	8.785	8.849	VV	337977	9888511	39.04%	1.008%
125	8.860	8.849	8.876	VV	239589	3708188	14.64%	0.378%
126	8.906	8.876	8.965	VV	309259	13373620	52.80%	1.363%
127	8.993	8.965	9.024	VV	242840	7825203	30.89%	0.798%
128	9.052	9.024	9.076	VV	287381	7015479	27.70%	0.715%
129	9.096	9.076	9.138	VV	209216	6775907	26.75%	0.691%
130	9.171	9.138	9.184	VV	191205	4641505	18.32%	0.473%
131	9.201	9.184	9.219	VV	199718	3841772	15.17%	0.392%
132	9.268	9.219	9.309	VV	211299	9612423	37.95%	0.980%
133	9.337	9.309	9.388	VV	298744	9521193	37.59%	0.970%
134	9.418	9.388	9.448	VV	270866	7028948	27.75%	0.716%
135	9.458	9.448	9.469	VV	148330	1833136	7.24%	0.187%
136	9.501	9.469	9.545	VV	237547	7304209	28.84%	0.744%
137	9.579	9.545	9.614	VV	123891	4739881	18.71%	0.483%
138	9.623	9.614	9.633	VV	107742	1220385	4.82%	0.124%
139	9.654	9.633	9.672	VV	135116	2791506	11.02%	0.285%
140	9.698	9.672	9.729	VV	210821	5435301	21.46%	0.554%
141	9.744	9.729	9.763	VV	144396	2630587	10.38%	0.268%
142	9.802	9.763	9.833	VV	137000	5250669	20.73%	0.535%
143	9.845	9.833	9.888	VV	136985	3775382	14.90%	0.385%
144	9.913	9.888	9.934	VV	108330	2798748	11.05%	0.285%
145	9.972	9.934	9.996	VV	112895	3812108	15.05%	0.389%
146	10.016	9.996	10.041	VV	112408	2700482	10.66%	0.275%
147	10.090	10.041	10.099	VV	99442	3231555	12.76%	0.329%
148	10.132	10.099	10.161	VV	436824	8158953	32.21%	0.832%
149	10.207	10.161	10.245	VV	104367	4803634	18.96%	0.490%
150	10.276	10.245	10.300	VV	119430	3094156	12.22%	0.315%
151	10.317	10.300	10.344	VV	79894	1999597	7.89%	0.204%
152	10.409	10.344	10.436	VV	109037	4705022	18.57%	0.480%
153	10.457	10.436	10.466	VV	99706	1647117	6.50%	0.168%
154	10.477	10.466	10.514	VV	101239	2632846	10.39%	0.268%
155	10.554	10.514	10.583	VV	537796	9636319	38.04%	0.982%

156	10.596	10.583	10.634	VV	100150	2594974	10.24%	0.264%
157	10.673	10.634	10.701	VV	81442	3058594	12.07%	0.312%
158	10.747	10.701	10.780	VV	81227	3603165	14.22%	0.367%
159	10.812	10.780	10.841	VV	89594	2846858	11.24%	0.290%
160	10.872	10.841	10.912	VV	111430	3469169	13.70%	0.354%
161	10.956	10.912	10.987	VV	73771	3040588	12.00%	0.310%
162	11.007	10.987	11.022	VV	72726	1469143	5.80%	0.150%
163	11.037	11.022	11.061	VV	70082	1561651	6.17%	0.159%
164	11.128	11.061	11.155	VV	72020	3830760	15.12%	0.390%
165	11.177	11.155	11.214	VV	75808	2431730	9.60%	0.248%
166	11.273	11.214	11.313	VV	279439	6732291	26.58%	0.686%
167	11.334	11.313	11.358	VV	66728	1640424	6.48%	0.167%
168	11.376	11.358	11.399	VV	61924	1386525	5.47%	0.141%
169	11.452	11.399	11.515	VV	71810	4316022	17.04%	0.440%
170	11.550	11.515	11.604	VV	58822	2863829	11.31%	0.292%
171	11.623	11.604	11.643	VV	55643	1258319	4.97%	0.128%
172	11.673	11.643	11.713	VV	59710	2338363	9.23%	0.238%
173	11.733	11.713	11.768	VV	61707	1865397	7.36%	0.190%
174	11.787	11.768	11.801	VV	60366	1089861	4.30%	0.111%
175	11.828	11.801	11.897	VV	106235	3733909	14.74%	0.381%
176	11.928	11.897	11.937	VV	50447	1148677	4.53%	0.117%
177	11.968	11.937	12.022	VV	56964	2589420	10.22%	0.264%
178	12.049	12.022	12.098	VV	51346	2092516	8.26%	0.213%
179	12.122	12.098	12.144	VV	46049	1248257	4.93%	0.127%
180	12.150	12.144	12.181	VV	44701	953462	3.76%	0.097%
181	12.202	12.181	12.220	VV	42335	949470	3.75%	0.097%
182	12.233	12.220	12.248	VV	41014	664473	2.62%	0.068%
183	12.263	12.248	12.307	VV	41465	1400860	5.53%	0.143%
184	12.348	12.307	12.385	VV	45745	1950165	7.70%	0.199%
185	12.410	12.385	12.466	VV	54683	2092901	8.26%	0.213%
186	12.489	12.466	12.549	VV	51073	1924274	7.60%	0.196%
187	12.589	12.549	12.612	VV	37095	1327129	5.24%	0.135%
188	12.630	12.612	12.708	VV	38340	1832951	7.24%	0.187%
189	12.766	12.708	12.794	VV	30803	1512630	5.97%	0.154%
190	12.813	12.794	12.837	VV	30118	731107	2.89%	0.075%
191	12.847	12.837	12.890	VV	27539	828067	3.27%	0.084%
192	12.931	12.890	12.960	VV	349573	5091241	20.10%	0.519%
193	12.984	12.960	13.017	VV	45749	1208170	4.77%	0.123%
194	13.032	13.017	13.088	VV	27845	1056124	4.17%	0.108%
195	13.100	13.088	13.118	VV	23327	404942	1.60%	0.041%
196	13.147	13.118	13.178	VV	24658	841134	3.32%	0.086%
197	13.198	13.178	13.242	VV	22095	796333	3.14%	0.081%
198	13.261	13.242	13.287	VV	21023	519519	2.05%	0.053%
199	13.322	13.287	13.348	VV	27453	824119	3.25%	0.084%

200	13.369	13.348	13.391	VV	20813	499888	1.97%	0.051%
201	13.408	13.391	13.456	VV	19169	685798	2.71%	0.070%
202	13.475	13.456	13.487	VV	16275	294851	1.16%	0.030%
203	13.534	13.487	13.564	VV	19018	805155	3.18%	0.082%
204	13.595	13.564	13.654	VV	20492	876289	3.46%	0.089%
205	13.678	13.654	13.707	VV	18266	477495	1.89%	0.049%
206	13.733	13.707	13.750	VV	12840	324479	1.28%	0.033%
207	13.770	13.750	13.794	VV	12867	329267	1.30%	0.034%
208	13.822	13.794	13.865	VV	13662	517698	2.04%	0.053%
209	13.917	13.865	13.963	VV	17840	759243	3.00%	0.077%
210	13.985	13.963	14.030	VV	11652	411916	1.63%	0.042%
211	14.072	14.030	14.162	VV	11825	794246	3.14%	0.081%
212	14.183	14.162	14.225	VV	10775	330043	1.30%	0.034%
213	14.244	14.225	14.273	VV	9318	215576	0.85%	0.022%
214	14.306	14.273	14.334	VV	8417	275525	1.09%	0.028%
215	14.370	14.334	14.421	VV	10588	414704	1.64%	0.042%
216	14.491	14.421	14.514	VV	8916	376677	1.49%	0.038%
217	14.523	14.514	14.585	VV	6572	239947	0.95%	0.024%
218	14.618	14.585	14.670	VV	5280	254670	1.01%	0.026%
219	14.690	14.670	14.718	VV	5661	139808	0.55%	0.014%
220	14.735	14.718	14.756	VV	4447	97616	0.39%	0.010%
221	14.783	14.756	14.817	VV	8192	207298	0.82%	0.021%
222	14.837	14.817	14.885	VV	4655	167249	0.66%	0.017%
223	14.927	14.885	14.998	VV	5039	242587	0.96%	0.025%
224	15.039	14.998	15.064	VV	3833	130752	0.52%	0.013%
225	15.078	15.064	15.107	VV	3487	84066	0.33%	0.009%
226	15.118	15.107	15.172	VV	3435	102716	0.41%	0.010%
227	15.220	15.172	15.265	VV	3396	142405	0.56%	0.015%
228	15.305	15.265	15.409	VV	4541	260779	1.03%	0.027%
229	15.430	15.409	15.460	VV	2710	56361	0.22%	0.006%
230	15.489	15.460	15.510	VV	1969	52050	0.21%	0.005%
231	15.521	15.510	15.539	VV	2196	31267	0.12%	0.003%
232	15.558	15.539	15.579	VV	2352	43389	0.17%	0.004%
233	15.613	15.579	15.684	VV	4438	153506	0.61%	0.016%
234	15.690	15.684	15.708	VV	1769	19807	0.08%	0.002%
235	15.717	15.708	15.741	VV	1336	21741	0.09%	0.002%
236	15.764	15.741	15.781	VV	2307	42740	0.17%	0.004%
237	15.804	15.781	15.824	VV	5397	92088	0.36%	0.009%
238	15.840	15.824	15.900	VV	2644	76225	0.30%	0.008%
239	15.935	15.900	15.957	VV	1202	32362	0.13%	0.003%
240	15.992	15.957	16.017	VV	2470	63809	0.25%	0.007%
241	16.041	16.017	16.074	VV	1837	52353	0.21%	0.005%
242	16.119	16.074	16.208	VV	3742	174813	0.69%	0.018%

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243	16.236	16.208	16.243	VV	1926	29368	0.12%	0.003%
244	16.251	16.243	16.261	VV	2110	19196	0.08%	0.002%
245	16.286	16.261	16.308	VV	4112	70328	0.28%	0.007%
246	16.319	16.308	16.326	VV	1442	13693	0.05%	0.001%
247	16.331	16.326	16.365	VV	1515	25242	0.10%	0.003%
248	16.383	16.365	16.398	VV	1464	22888	0.09%	0.002%
249	16.507	16.398	16.527	VV	3044	153439	0.61%	0.016%
250	16.544	16.527	16.569	VV	2779	51470	0.20%	0.005%
251	16.598	16.569	16.654	VV	2387	92524	0.37%	0.009%
252	16.690	16.654	16.697	VV	1445	33642	0.13%	0.003%
253	16.756	16.697	16.791	VV	6404	188198	0.74%	0.019%
254	16.799	16.791	16.818	VV	2462	34664	0.14%	0.004%
255	16.837	16.818	16.864	VV	2695	52301	0.21%	0.005%
256	16.927	16.864	16.944	VV	2446	93879	0.37%	0.010%
257	16.981	16.944	17.033	VV	5277	153902	0.61%	0.016%
258	17.058	17.033	17.094	VV	2509	79269	0.31%	0.008%
259	17.102	17.094	17.114	VV	2160	24506	0.10%	0.002%
260	17.154	17.114	17.179	VV	4028	113603	0.45%	0.012%
261	17.202	17.179	17.247	VV	3637	104063	0.41%	0.011%
262	17.261	17.247	17.286	VV	2453	47516	0.19%	0.005%
263	17.311	17.286	17.348	VV	3922	95572	0.38%	0.010%
264	17.369	17.348	17.448	VV	2071	101018	0.40%	0.010%
265	17.482	17.448	17.503	VV	2048	53366	0.21%	0.005%
266	17.532	17.503	17.549	VV	2763	59554	0.24%	0.006%
267	17.569	17.549	17.588	VV	3161	65783	0.26%	0.007%
268	17.632	17.588	17.658	VV	5430	145656	0.58%	0.015%
269	17.671	17.658	17.714	VV	1855	53848	0.21%	0.005%
270	17.770	17.714	17.858	VV	8415	274616	1.08%	0.028%
271	17.869	17.858	17.888	VV	1484	22578	0.09%	0.002%
272	17.926	17.888	17.954	VV	1967	58026	0.23%	0.006%
273	17.971	17.954	17.991	VV	2828	49916	0.20%	0.005%
274	18.004	17.991	18.036	VV	2743	47876	0.19%	0.005%
275	18.059	18.036	18.078	VV	2558	41202	0.16%	0.004%
276	18.135	18.078	18.226	VV	9886	216883	0.86%	0.022%
277	18.248	18.226	18.268	VV	1359	23539	0.09%	0.002%
278	18.290	18.268	18.312	VV	1808	35496	0.14%	0.004%
279	18.337	18.312	18.375	VV	1352	35996	0.14%	0.004%
280	18.383	18.375	18.405	VV	610	6601	0.03%	0.001%
281	18.469	18.405	18.502	VV	2776	70732	0.28%	0.007%
282	18.511	18.502	18.530	VV	363	4229	0.02%	0.000%
283	18.560	18.530	18.584	PV	3410	51291	0.20%	0.005%
284	18.607	18.584	18.628	VV	2915	44172	0.17%	0.005%
285	18.645	18.628	18.678	VV	1226	29074	0.11%	0.003%

286	18.683	18.678	18.705	VV	1022	12629	0.05%	0.001%
287	18.735	18.705	18.753	VV	1347	28483	0.11%	0.003%
288	18.764	18.753	18.810	VV	1129	22930	0.09%	0.002%
289	18.821	18.810	18.844	VV	841	12478	0.05%	0.001%
290	18.887	18.844	18.924	VV	2864	75925	0.30%	0.008%
291	18.958	18.924	18.996	VV	1822	39935	0.16%	0.004%
292	19.041	18.996	19.134	VV	1993	92366	0.36%	0.009%
293	19.159	19.134	19.184	VV	1233	29634	0.12%	0.003%
294	19.188	19.184	19.194	VV	1181	5581	0.02%	0.001%
295	19.258	19.194	19.337	VV	4429	184469	0.73%	0.019%
296	19.363	19.337	19.406	VV	2033	58283	0.23%	0.006%
297	19.443	19.406	19.491	VV	2173	88935	0.35%	0.009%
298	19.525	19.491	19.543	VV	2594	63020	0.25%	0.006%
299	19.548	19.543	19.561	VV	2149	21796	0.09%	0.002%
300	19.591	19.561	19.601	VV	2177	48914	0.19%	0.005%
301	19.626	19.601	19.639	VV	2951	60467	0.24%	0.006%
302	19.661	19.639	19.714	VV	3828	126759	0.50%	0.013%
303	19.769	19.714	19.800	VV	3057	131598	0.52%	0.013%
304	19.814	19.800	19.829	VV	2916	47547	0.19%	0.005%
305	19.861	19.829	19.905	VV	3273	132190	0.52%	0.013%
306	19.988	19.905	20.016	VV	4862	251562	0.99%	0.026%
307	20.053	20.016	20.071	VV	4985	150110	0.59%	0.015%
308	20.090	20.071	20.109	VV	4685	98537	0.39%	0.010%
309	20.116	20.109	20.123	VV	4115	34326	0.14%	0.003%
310	20.187	20.123	20.203	VV	5616	234431	0.93%	0.024%
311	20.269	20.203	20.291	VV	5854	283905	1.12%	0.029%
312	20.343	20.291	20.371	VV	6092	272208	1.07%	0.028%
313	20.458	20.371	20.522	VV	7019	553183	2.18%	0.056%
314	20.531	20.522	20.540	VV	6258	67973	0.27%	0.007%
315	20.564	20.540	20.611	VV	6313	252154	1.00%	0.026%
316	20.682	20.611	20.694	VV	5807	268712	1.06%	0.027%
317	20.709	20.694	20.761	VV	6032	220627	0.87%	0.022%
318	20.772	20.761	20.783	VV	5432	71432	0.28%	0.007%
319	20.793	20.783	20.885	VV	5253	279299	1.10%	0.028%
320	20.894	20.885	20.905	VV	4018	46575	0.18%	0.005%
321	20.935	20.905	20.964	VV	3912	133253	0.53%	0.014%
322	20.992	20.964	21.014	VV	4245	119873	0.47%	0.012%
323	21.024	21.014	21.067	VV	3959	119044	0.47%	0.012%
324	21.080	21.067	21.100	VV	3759	71076	0.28%	0.007%
325	21.114	21.100	21.161	VV	3750	124971	0.49%	0.013%
326	21.171	21.161	21.211	VV	3102	86696	0.34%	0.009%
327	21.227	21.211	21.258	VV	2616	69884	0.28%	0.007%
328	21.283	21.258	21.301	VV	2370	58039	0.23%	0.006%
329	21.336	21.301	21.471	VV	2558	211006	0.83%	0.022%

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330	21.480	21.471	21.507	VV	1804	35028	0.14%	0.004%
331	21.530	21.507	21.541	VV	1738	32457	0.13%	0.003%
332	21.584	21.541	21.624	VV	1824	76180	0.30%	0.008%
333	21.638	21.624	21.651	VV	1397	19160	0.08%	0.002%
334	21.655	21.651	21.681	VV	1406	19431	0.08%	0.002%
335	21.703	21.681	21.721	VV	1441	27259	0.11%	0.003%
336	21.729	21.721	21.788	VV	1182	37225	0.15%	0.004%
337	21.802	21.788	21.818	VV	795	12622	0.05%	0.001%
338	21.831	21.818	21.842	VV	766	9150	0.04%	0.001%
339	21.848	21.842	21.871	VV	555	8308	0.03%	0.001%
340	21.881	21.871	21.907	VV	604	8451	0.03%	0.001%
341	21.919	21.907	21.940	VV	362	5405	0.02%	0.001%
342	21.951	21.940	21.990	VV	263	5026	0.02%	0.001%

Sum of corrected areas: 981142848

Aliphatic EPH 102324.M Sat Nov 09 02:18:18 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83	
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
FD048682.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	15.7		0.36	0.80	mg/kg
Aromatic C12-C16	Aromatic C12-C16	85.2	E	0.41	1.20	mg/kg
Aromatic C16-C21	Aromatic C16-C21	102	E	1.16	2.01	mg/kg
Aromatic C21-C36	Aromatic C21-C36	11.0		2.41	3.21	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	69.4		40 - 140	139%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.9		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	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:	P4721-02	Acq On:	08 Nov 2024 21:46
Client Sample ID:	EX-2-TPH-2	Operator:	YP/AJ
Data file:	FD048682.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	34472171	195.639	200	ug/ml
Aromatic C12-C16	5.811	8.415	188203404	1060	300	ug/ml
Aromatic C16-C21	8.416	12.678	209514804	1280	500	ug/ml
Aromatic C21-C36	12.679	18.083	20970443	137.319	800	ug/ml
Aromatic EPH	4.092	18.083	453160822	2670		ug/ml
ortho-Terphenyl (SURR)	11.257	11.257	5612699	32.95		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	10528280	69.37		ug/ml
2-Flurobiphenyl (SURR)	8.224	8.224	5393946	54.93		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048682.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:46
Operator : YP/AJ
Sample : P4721-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:50 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	10528280	69.366 ug/mlm
Spiked Amount 50.000		Recovery = 138.73%	
6) S 2-Flurobiphenyl (SURR)	8.224	5393946	54.933 ug/mlm
Spiked Amount 50.000	Range 0 - 131	Recovery = 109.87%	
11) S ortho-Terphenyl (SURR)	11.257	5612699	32.950 ug/mlm
Spiked Amount 50.000		Recovery = 65.90%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048682.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:46
Operator : YP/AJ
Sample : P4721-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

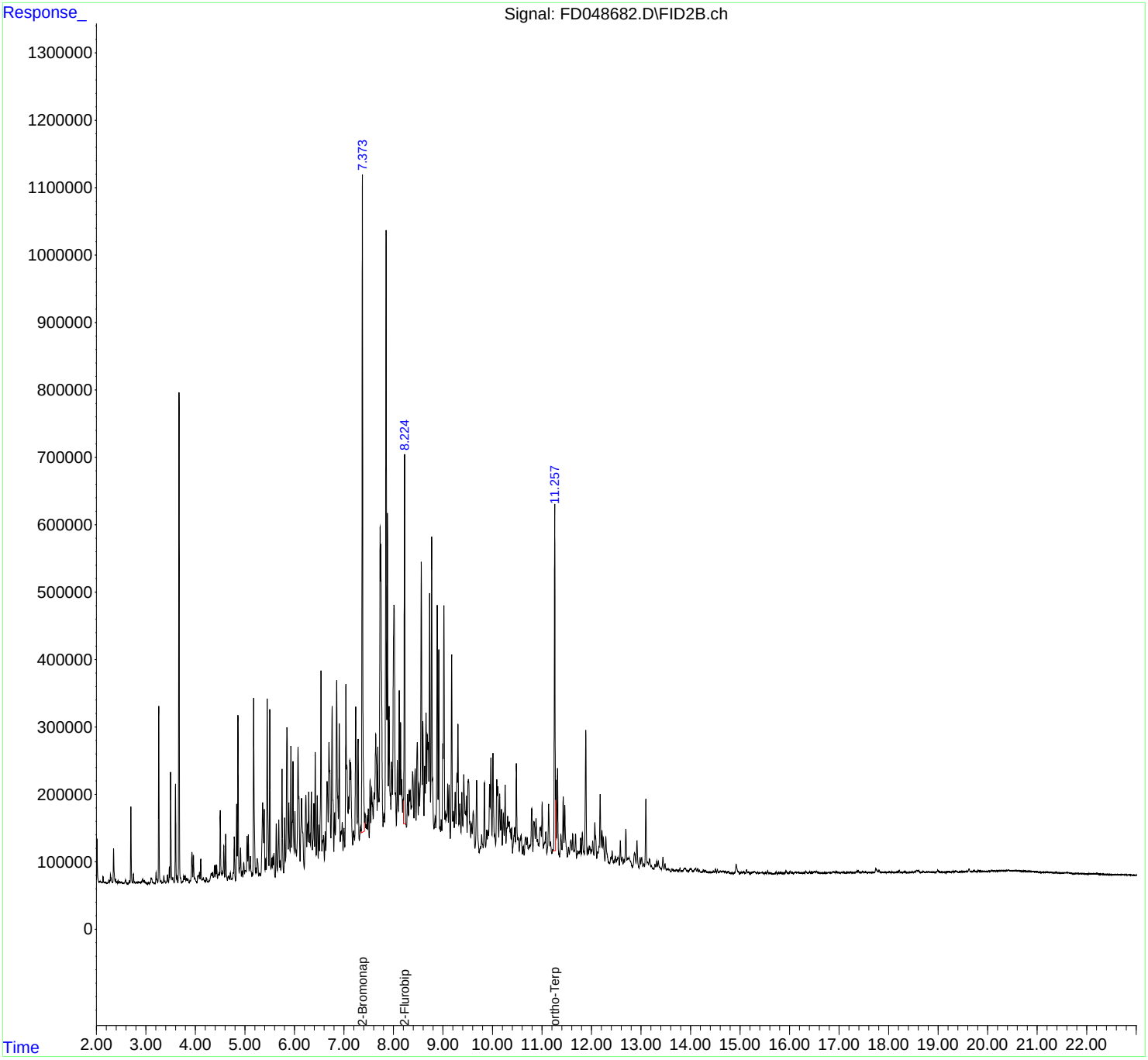
Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2

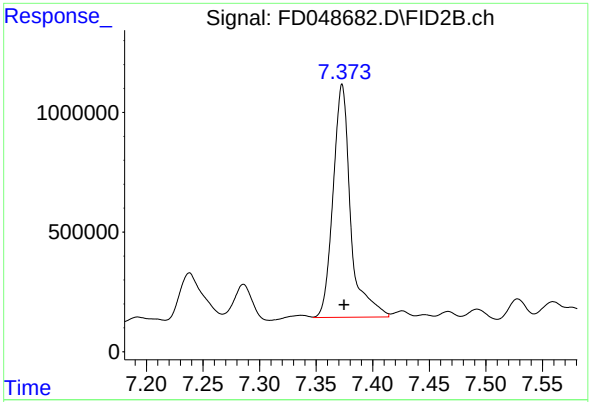
Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:50 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





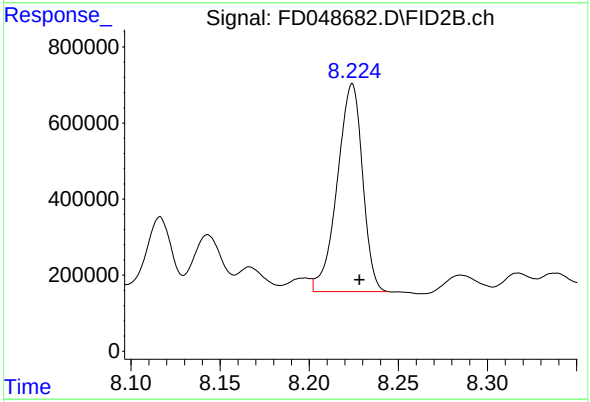
#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.002 min
Response: 10528280
Conc: 69.37 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2

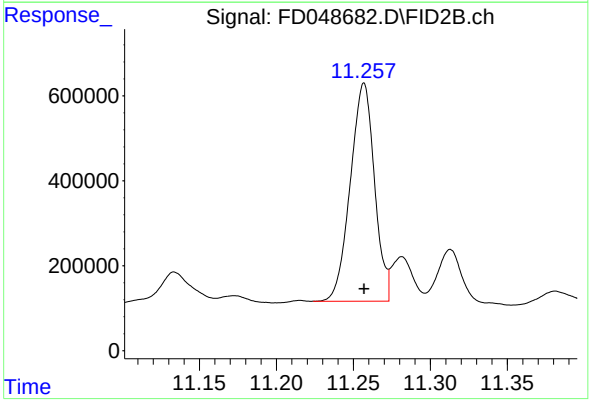
Manual Integrations APPROVED

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



#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.004 min
Response: 5393946
Conc: 54.93 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 5612699
Conc: 32.95 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048682.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:46
Sample : P4721-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.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	4.048	4.042	4.058	PV	3708	20001	0.15%	0.004%
2	4.066	4.058	4.073	PV	3351	22146	0.16%	0.005%
3	4.082	4.073	4.093	VV	8705	58719	0.44%	0.012%
4	4.108	4.093	4.132	PV	30809	277149	2.05%	0.057%
5	4.161	4.132	4.181	PV	4816	68530	0.51%	0.014%
6	4.187	4.181	4.203	VV	1693	11610	0.09%	0.002%
7	4.221	4.203	4.244	PV	6271	73120	0.54%	0.015%
8	4.249	4.244	4.258	VV	423	2108	0.02%	0.000%
9	4.276	4.258	4.283	PV	2511	22105	0.16%	0.005%
10	4.323	4.283	4.334	VV	12920	247983	1.84%	0.051%
11	4.345	4.334	4.368	VV	14787	212081	1.57%	0.044%
12	4.385	4.368	4.397	VV	24446	264570	1.96%	0.055%
13	4.410	4.397	4.420	VV	25438	239272	1.77%	0.050%
14	4.430	4.420	4.446	VV	24776	241827	1.79%	0.050%
15	4.462	4.446	4.469	VV	11571	124673	0.92%	0.026%
16	4.479	4.469	4.486	VV	14084	128217	0.95%	0.027%
17	4.502	4.486	4.536	VV	106261	1134169	8.41%	0.235%
18	4.548	4.536	4.557	VV	15665	160444	1.19%	0.033%
19	4.574	4.557	4.593	VV	53562	599142	4.44%	0.124%
20	4.611	4.593	4.645	VV	70861	788166	5.84%	0.163%
21	4.672	4.645	4.690	VV	8272	164677	1.22%	0.034%
22	4.705	4.690	4.726	VV	13436	169831	1.26%	0.035%
23	4.735	4.726	4.740	VV	4154	34062	0.25%	0.007%
24	4.785	4.740	4.810	VV	67059	839359	6.22%	0.174%
25	4.833	4.810	4.844	VV	115178	1046741	7.76%	0.217%
26	4.859	4.844	4.883	VV	246747	2465219	18.28%	0.511%
27	4.912	4.883	4.929	VV	50335	697859	5.17%	0.145%
28	4.943	4.929	4.958	VV	15889	207157	1.54%	0.043%
29	4.976	4.958	4.992	VV	27996	391257	2.90%	0.081%
30	5.003	4.992	5.010	VV	16438	161777	1.20%	0.034%
31	5.016	5.010	5.025	VV	16800	138476	1.03%	0.029%
32	5.042	5.025	5.056	VV	67728	792057	5.87%	0.164%
33	5.069	5.056	5.085	VV	69484	734466	5.45%	0.152%
34	5.108	5.085	5.139	VV	37754	671304	4.98%	0.139%
35	5.150	5.139	5.157	VV	12696	112084	0.83%	0.023%
36	5.176	5.157	5.213	VV	272033	3292953	24.42%	0.683%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2

Manual IntegrationsAPPROVED

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

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37	5.222	5.213	5.233	VV	19922	205365	1.52%	0.043%
38	5.248	5.233	5.279	VV	34162	619683	4	
39	5.299	5.279	5.313	VV	12272	210757	1	
40	5.357	5.313	5.379	VV	116858	2294707	17	
41	5.389	5.379	5.407	VV	106924	1087232	8	
42	5.418	5.407	5.431	VV	33144	378879	2	
43	5.450	5.431	5.484	VV	270450	3458697	25.64%	0.717%
44	5.503	5.484	5.525	VV	255186	2566483	19.03%	0.532%
45	5.543	5.525	5.554	VV	34514	435536	3.23%	0.090%
46	5.565	5.554	5.575	VV	35928	370976	2.75%	0.077%
47	5.586	5.575	5.612	VV	41521	491945	3.65%	0.102%
48	5.633	5.612	5.655	VV	84696	972682	7.21%	0.202%
49	5.684	5.655	5.700	VV	91231	1304342	9.67%	0.271%
50	5.709	5.700	5.725	VV	30032	356483	2.64%	0.074%
51	5.750	5.725	5.782	VV	166337	2120524	15.72%	0.440%
52	5.803	5.782	5.818	VV	94034	1083435	8.03%	0.225%
53	5.849	5.818	5.874	VV	227751	3958441	29.35%	0.821%
54	5.887	5.874	5.912	VV	116067	1669980	12.38%	0.346%
55	5.929	5.912	5.945	VV	199976	2193204	16.26%	0.455%
56	5.971	5.945	5.995	VV	177171	2836587	21.03%	0.588%
57	6.011	5.995	6.026	VV	103349	1263438	9.37%	0.262%
58	6.030	6.026	6.042	VV	45488	395768	2.93%	0.082%
59	6.073	6.042	6.114	VV	198669	4302834	31.90%	0.892%
60	6.144	6.114	6.198	VV	122651	3388659	25.13%	0.703%
61	6.231	6.198	6.249	VV	127303	2340737	17.36%	0.485%
62	6.265	6.249	6.276	VV	84039	1108613	8.22%	0.230%
63	6.289	6.276	6.305	VV	132183	1580173	11.72%	0.328%
64	6.313	6.305	6.323	VV	67498	682665	5.06%	0.142%
65	6.343	6.323	6.362	VV	131892	1995077	14.79%	0.414%
66	6.392	6.362	6.406	VV	114445	2003373	14.85%	0.416%
67	6.420	6.406	6.440	VV	190672	2087691	15.48%	0.433%
68	6.462	6.440	6.480	VV	126276	1758639	13.04%	0.365%
69	6.496	6.480	6.508	VV	82731	1004252	7.45%	0.208%
70	6.537	6.508	6.555	VV	311034	3938150	29.20%	0.817%
71	6.568	6.555	6.574	VV	59630	642884	4.77%	0.133%
72	6.588	6.574	6.606	VV	67161	1015277	7.53%	0.211%
73	6.622	6.606	6.635	VV	72867	958034	7.10%	0.199%
74	6.660	6.635	6.682	VV	146960	2955260	21.91%	0.613%
75	6.698	6.682	6.738	VV	204657	4627356	34.31%	0.960%
76	6.762	6.738	6.796	VV	258174	4751989	35.23%	0.986%
77	6.811	6.796	6.825	VV	100307	1324307	9.82%	0.275%
78	6.854	6.825	6.888	VV	296433	5910165	43.82%	1.226%
79	6.906	6.888	6.926	VV	232259	3190637	23.66%	0.662%
80	6.946	6.926	6.954	VV	71445	1142807	8.47%	0.237%
81	6.966	6.954	6.983	VV	86662	1190007	8.82%	0.247%
82	7.001	6.983	7.017	VV	77337	1298625	9.63%	0.269%
83	7.040	7.017	7.054	VV	290260	3697622	27.42%	0.767%
84	7.059	7.054	7.087	VV	171056	2605744	19.32%	0.540%
85	7.097	7.087	7.105	VV	123562	1232721	9.14%	0.256%
86	7.118	7.105	7.128	VV	177698	2067242	15.33%	0.429%
87	7.137	7.128	7.178	VV	174827	3298187	24.45%	0.684%
88	7.192	7.178	7.216	VV	72734	1463441	10.85%	0.304%
89	7.238	7.216	7.267	VV	257379	4642350	34.42%	0.963%

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90	7.286	7.267	7.309	VV	209178	3163501	23.46%	0.656%
91	7.337	7.309	7.347	VV	79602	1616225	11	
92	7.373	7.347	7.416	VV	1045621	13486923	100	
93	7.426	7.416	7.438	VV	98301	1174749	8	
94	7.446	7.438	7.455	VV	82127	782743	5	
95	7.467	7.455	7.478	VV	95728	1199642	8	
96	7.492	7.478	7.510	VV	105143	1655462	12.27%	0.343%
97	7.528	7.510	7.543	VV	147827	2117960	15.70%	0.439%
98	7.559	7.543	7.591	VV	136153	3208305	23.79%	0.665%
99	7.609	7.591	7.618	VV	128953	1920844	14.24%	0.398%
100	7.642	7.618	7.670	VV	216076	5068317	37.58%	1.051%
101	7.683	7.670	7.698	VV	197344	2559053	18.97%	0.531%
102	7.705	7.698	7.710	VV	120826	846982	6.28%	0.176%
103	7.731	7.710	7.739	VV	522304	5988172	44.40%	1.242%
104	7.746	7.739	7.790	VV	498978	7975546	59.14%	1.654%
105	7.807	7.790	7.822	VV	97412	1731338	12.84%	0.359%
106	7.852	7.822	7.866	VV	963694	12121715	89.88%	2.514%
107	7.878	7.866	7.895	VV	543792	6021779	44.65%	1.249%
108	7.912	7.895	7.947	VV	257353	5256478	38.97%	1.090%
109	7.963	7.947	7.979	VV	174088	2802079	20.78%	0.581%
110	8.012	7.979	8.058	VV	405930	11148643	82.66%	2.312%
111	8.078	8.058	8.096	VV	176552	2886628	21.40%	0.599%
112	8.116	8.096	8.130	VV	280821	3623522	26.87%	0.752%
113	8.143	8.130	8.158	VV	233006	3077112	22.82%	0.638%
114	8.167	8.158	8.184	VV	148250	1941970	14.40%	0.403%
115	8.197	8.184	8.201	VV	118744	1179791	8.75%	0.245%
116	8.224	8.201	8.263	VV	628890	8480434	62.88%	1.759%
117	8.285	8.263	8.303	VV	126451	2487136	18.44%	0.516%
118	8.317	8.303	8.328	VV	131634	1737202	12.88%	0.360%
119	8.338	8.328	8.354	VV	131298	1917789	14.22%	0.398%
120	8.386	8.354	8.414	VV	159595	4469785	33.14%	0.927%
121	8.437	8.414	8.455	VV	164152	3207736	23.78%	0.665%
122	8.481	8.455	8.500	VV	202171	4105553	30.44%	0.852%
123	8.514	8.500	8.527	VV	141626	1963213	14.56%	0.407%
124	8.562	8.527	8.581	VV	470276	7758233	57.52%	1.609%
125	8.594	8.581	8.616	VV	234403	3456482	25.63%	0.717%
126	8.632	8.616	8.642	VV	167841	2147015	15.92%	0.445%
127	8.658	8.642	8.672	VV	247001	3390300	25.14%	0.703%
128	8.685	8.672	8.695	VV	213947	2624224	19.46%	0.544%
129	8.702	8.695	8.715	VV	202617	2161973	16.03%	0.448%
130	8.730	8.715	8.748	VV	424378	5155166	38.22%	1.069%
131	8.772	8.748	8.816	VV	507843	8443110	62.60%	1.751%
132	8.842	8.816	8.855	VV	92999	1920785	14.24%	0.398%
133	8.884	8.855	8.901	VV	406339	5698012	42.25%	1.182%
134	8.916	8.901	8.935	VV	339899	4033286	29.91%	0.837%
135	8.941	8.935	8.951	VV	77268	730598	5.42%	0.152%
136	8.965	8.951	8.977	VV	87923	1250064	9.27%	0.259%
137	8.997	8.977	9.003	VV	200872	2231967	16.55%	0.463%
138	9.019	9.003	9.038	VV	405185	5190050	38.48%	1.076%
139	9.047	9.038	9.060	VV	99420	1207164	8.95%	0.250%
140	9.071	9.060	9.077	VV	94499	935861	6.94%	0.194%
141	9.095	9.077	9.109	VV	141021	2169253	16.08%	0.450%

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142	9.124	9.109	9.147	VV	139445	2283914	16.93%	0.474%
143	9.176	9.147	9.197	VV	332731	4921086	36	
144	9.209	9.197	9.228	VV	99764	1685957	12	
145	9.247	9.228	9.264	VV	128442	2220498	16	
146	9.283	9.264	9.290	VV	156784	1978159	14	
147	9.303	9.290	9.322	VV	229825	3065592	22	
148	9.340	9.322	9.364	VV	111173	2302231	17.07%	0.478%
149	9.381	9.364	9.402	VV	128170	2184052	16.19%	0.453%
150	9.421	9.402	9.448	VV	154389	3207810	23.78%	0.665%
151	9.454	9.448	9.461	VV	99396	796546	5.91%	0.165%
152	9.473	9.461	9.488	VV	122814	1597122	11.84%	0.331%
153	9.514	9.488	9.561	VV	147369	4706617	34.90%	0.976%
154	9.576	9.561	9.591	VV	81605	1300798	9.64%	0.270%
155	9.611	9.591	9.646	VV	99693	2561024	18.99%	0.531%
156	9.681	9.646	9.733	VV	145213	3855563	28.59%	0.800%
157	9.781	9.733	9.811	VV	64894	2308103	17.11%	0.479%
158	9.837	9.811	9.862	VV	142256	2428755	18.01%	0.504%
159	9.884	9.862	9.896	VV	71978	1204575	8.93%	0.250%
160	9.911	9.896	9.922	VV	69498	1026423	7.61%	0.213%
161	9.942	9.922	9.953	VV	139629	1944075	14.41%	0.403%
162	9.969	9.953	9.990	VV	178813	2829684	20.98%	0.587%
163	10.010	9.990	10.038	VV	185590	3283956	24.35%	0.681%
164	10.044	10.038	10.065	VV	64087	914829	6.78%	0.190%
165	10.087	10.065	10.099	VV	146415	2204876	16.35%	0.457%
166	10.108	10.099	10.127	VV	136114	1779540	13.19%	0.369%
167	10.146	10.127	10.166	VV	125147	2176720	16.14%	0.451%
168	10.182	10.166	10.197	VV	102226	1518253	11.26%	0.315%
169	10.220	10.197	10.237	VV	96066	1772171	13.14%	0.368%
170	10.256	10.237	10.274	VV	138303	2035419	15.09%	0.422%
171	10.306	10.274	10.320	VV	91615	2103709	15.60%	0.436%
172	10.339	10.320	10.355	VV	83352	1639149	12.15%	0.340%
173	10.361	10.355	10.376	VV	70920	820887	6.09%	0.170%
174	10.389	10.376	10.406	VV	74334	1053917	7.81%	0.219%
175	10.448	10.406	10.464	VV	74553	2045707	15.17%	0.424%
176	10.482	10.464	10.513	VV	168564	2796052	20.73%	0.580%
177	10.522	10.513	10.540	VV	60279	862287	6.39%	0.179%
178	10.561	10.540	10.568	VV	58385	839048	6.22%	0.174%
179	10.581	10.568	10.606	VV	63409	1185665	8.79%	0.246%
180	10.623	10.606	10.639	VV	47357	823883	6.11%	0.171%
181	10.666	10.639	10.688	VV	59733	1473732	10.93%	0.306%
182	10.702	10.688	10.723	VV	59685	1079261	8.00%	0.224%
183	10.747	10.723	10.754	VV	47671	857395	6.36%	0.178%
184	10.762	10.754	10.769	VV	48071	409358	3.04%	0.085%
185	10.792	10.769	10.817	VV	102595	2042549	15.14%	0.424%
186	10.834	10.817	10.863	VV	83861	1934898	14.35%	0.401%
187	10.880	10.863	10.904	VV	87780	1720293	12.76%	0.357%
188	10.912	10.904	10.924	VV	57042	650274	4.82%	0.135%
189	10.931	10.924	10.939	VV	50478	440591	3.27%	0.091%
190	10.959	10.939	10.967	VV	74496	1070967	7.94%	0.222%
191	10.974	10.967	10.988	VV	73456	854357	6.33%	0.177%
192	11.003	10.988	11.028	VV	111439	1795649	13.31%	0.372%
193	11.077	11.028	11.097	VV	68068	2178295	16.15%	0.452%
194	11.134	11.097	11.161	VV	108876	2434988	18.05%	0.505%

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195	11.173	11.161	11.198	VV	52682	1014692	7.52%	0.210%
196	11.215	11.198	11.223	VV	41738	578138		
197	11.257	11.223	11.273	VV	554165	6816688	50	
198	11.281	11.273	11.297	VV	144779	1541052	11	
199	11.313	11.297	11.353	VV	161805	2528257	18	
200	11.381	11.353	11.407	VV	63633	1514764	11	
201	11.428	11.407	11.444	VV	119552	1729008	12.82%	0.359%
202	11.460	11.444	11.513	VV	106710	2438436	18.08%	0.506%
203	11.535	11.513	11.551	VV	45063	872163	6.47%	0.181%
204	11.584	11.551	11.603	VV	55676	1445966	10.72%	0.300%
205	11.620	11.603	11.643	VV	63937	1168366	8.66%	0.242%
206	11.678	11.643	11.697	VV	64124	1460401	10.83%	0.303%
207	11.721	11.697	11.732	VV	39100	735413	5.45%	0.153%
208	11.740	11.732	11.747	VV	36855	314517	2.33%	0.065%
209	11.759	11.747	11.765	VV	37895	403039	2.99%	0.084%
210	11.780	11.765	11.795	VV	57719	823103	6.10%	0.171%
211	11.814	11.795	11.855	VV	66017	1688068	12.52%	0.350%
212	11.884	11.855	11.913	VV	218095	3450431	25.58%	0.716%
213	11.927	11.913	11.940	VV	42899	626220	4.64%	0.130%
214	11.955	11.940	11.968	VV	45831	682878	5.06%	0.142%
215	11.975	11.968	11.987	VV	41815	467717	3.47%	0.097%
216	11.999	11.987	12.008	VV	40475	470012	3.48%	0.097%
217	12.023	12.008	12.048	VV	53228	1020716	7.57%	0.212%
218	12.067	12.048	12.079	VV	80800	1116376	8.28%	0.232%
219	12.083	12.079	12.106	VV	59509	736970	5.46%	0.153%
220	12.124	12.106	12.133	VV	36628	547638	4.06%	0.114%
221	12.174	12.133	12.193	VV	122831	2348274	17.41%	0.487%
222	12.210	12.193	12.227	VV	68870	1127017	8.36%	0.234%
223	12.239	12.227	12.270	VV	58411	1086768	8.06%	0.225%
224	12.289	12.270	12.363	VV	59161	1812160	13.44%	0.376%
225	12.391	12.363	12.403	VV	29318	598964	4.44%	0.124%
226	12.417	12.403	12.440	VV	37706	640921	4.75%	0.133%
227	12.452	12.440	12.463	VV	23768	314416	2.33%	0.065%
228	12.481	12.463	12.501	VV	30141	576924	4.28%	0.120%
229	12.532	12.501	12.563	VV	28451	913896	6.78%	0.190%
230	12.582	12.563	12.603	VV	53066	818858	6.07%	0.170%
231	12.619	12.603	12.637	VV	28714	508424	3.77%	0.105%
232	12.656	12.637	12.668	VV	25378	406537	3.01%	0.084%
233	12.694	12.668	12.715	VV	70655	1189853	8.82%	0.247%
234	12.741	12.715	12.747	VV	27026	501041	3.72%	0.104%
235	12.759	12.747	12.827	VV	27955	1042703	7.73%	0.216%
236	12.868	12.827	12.898	VV	34615	1060298	7.86%	0.220%
237	12.918	12.898	12.962	VV	52603	1044561	7.74%	0.217%
238	12.981	12.962	12.995	VV	27622	423894	3.14%	0.088%
239	13.014	12.995	13.038	VV	27857	568899	4.22%	0.118%
240	13.057	13.038	13.071	VV	18632	319032	2.37%	0.066%
241	13.098	13.071	13.125	VV	114840	1645892	12.20%	0.341%
242	13.134	13.125	13.151	VV	21334	315969	2.34%	0.066%
243	13.172	13.151	13.200	VV	25057	581560	4.31%	0.121%
244	13.210	13.200	13.233	VV	15509	276228	2.05%	0.057%
245	13.244	13.233	13.260	VV	12026	177217	1.31%	0.037%
246	13.282	13.260	13.298	VV	17548	335006	2.48%	0.069%

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247	13.317	13.298	13.333	VV	21944	359330	2.66%	0.075%
248	13.350	13.333	13.411	VV	21774	689724		
249	13.443	13.411	13.463	VV	27908	538628		
250	13.484	13.463	13.513	VV	17993	384674		
251	13.523	13.513	13.563	VV	10173	296182		
252	13.576	13.563	13.604	VV	9561	194599		
253	13.627	13.604	13.672	VV	10637	339182	2.51%	0.070%
254	13.684	13.672	13.693	VV	7744	97026	0.72%	0.020%
255	13.714	13.693	13.726	VV	9453	162555	1.21%	0.034%
256	13.732	13.726	13.750	VV	8332	104193	0.77%	0.022%
257	13.787	13.750	13.807	VV	11534	293581	2.18%	0.061%
258	13.840	13.807	13.848	VV	7507	175492	1.30%	0.036%
259	13.879	13.848	13.895	VV	10985	270555	2.01%	0.056%
260	13.901	13.895	13.958	VV	10618	293010	2.17%	0.061%
261	13.983	13.958	13.994	VV	9532	169982	1.26%	0.035%
262	14.011	13.994	14.053	VV	10315	293661	2.18%	0.061%
263	14.105	14.053	14.122	VV	10441	344346	2.55%	0.071%
264	14.144	14.122	14.162	VV	10493	193152	1.43%	0.040%
265	14.177	14.162	14.204	VV	7470	155039	1.15%	0.032%
266	14.212	14.204	14.223	VV	5325	58196	0.43%	0.012%
267	14.230	14.223	14.239	VV	5417	48202	0.36%	0.010%
268	14.263	14.239	14.288	VV	7835	186967	1.39%	0.039%
269	14.304	14.288	14.327	VV	7130	139395	1.03%	0.029%
270	14.344	14.327	14.362	VV	4871	96489	0.72%	0.020%
271	14.367	14.362	14.380	VV	4628	47155	0.35%	0.010%
272	14.388	14.380	14.400	VV	4748	55335	0.41%	0.011%
273	14.406	14.400	14.413	VV	4286	31247	0.23%	0.006%
274	14.436	14.413	14.450	VV	4903	95728	0.71%	0.020%
275	14.465	14.450	14.481	VV	6253	97229	0.72%	0.020%
276	14.500	14.481	14.523	VV	8231	151834	1.13%	0.031%
277	14.542	14.523	14.567	VV	8142	150431	1.12%	0.031%
278	14.604	14.567	14.626	VV	6194	180587	1.34%	0.037%
279	14.638	14.626	14.646	VV	5269	61988	0.46%	0.013%
280	14.663	14.646	14.689	VV	6311	137529	1.02%	0.029%
281	14.703	14.689	14.720	VV	5488	88084	0.65%	0.018%
282	14.732	14.720	14.745	VV	4312	59905	0.44%	0.012%
283	14.762	14.745	14.789	VV	5142	113806	0.84%	0.024%
284	14.794	14.789	14.798	VV	2936	15786	0.12%	0.003%
285	14.805	14.798	14.818	VV	2809	32846	0.24%	0.007%
286	14.839	14.818	14.861	VV	3075	67916	0.50%	0.014%
287	14.921	14.861	14.992	VV	16019	487281	3.61%	0.101%
288	15.018	14.992	15.030	VV	3674	69612	0.52%	0.014%
289	15.039	15.030	15.053	VV	3411	44409	0.33%	0.009%
290	15.072	15.053	15.108	VV	5192	116121	0.86%	0.024%
291	15.130	15.108	15.153	VV	7225	123475	0.92%	0.026%
292	15.167	15.153	15.218	VV	4705	115196	0.85%	0.024%
293	15.237	15.218	15.248	VV	3843	55194	0.41%	0.011%
294	15.268	15.248	15.279	VV	4231	71606	0.53%	0.015%
295	15.292	15.279	15.316	VV	4517	86487	0.64%	0.018%
296	15.321	15.316	15.338	VV	2881	35286	0.26%	0.007%
297	15.355	15.338	15.388	VV	3383	79556	0.59%	0.017%
298	15.412	15.388	15.416	VV	2856	43283	0.32%	0.009%
299	15.422	15.416	15.428	VV	3003	19576	0.15%	0.004%

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300	15.430	15.428	15.437	VV	2790	14995	0.11%	0.003%
301	15.451	15.437	15.475	VV	3321	61630		
302	15.489	15.475	15.497	VV	2136	26294		
303	15.520	15.497	15.538	VV	3107	58969		
304	15.556	15.538	15.588	VV	4769	93691		
305	15.594	15.588	15.601	VV	2348	16638		
306	15.609	15.601	15.653	VV	2217	53320	0.40%	0.011%
307	15.656	15.653	15.676	VV	1342	12786	0.09%	0.003%
308	15.682	15.676	15.687	VV	813	5005	0.04%	0.001%
309	15.730	15.687	15.753	VV	3385	75656	0.56%	0.016%
310	15.773	15.753	15.789	VV	2817	41545	0.31%	0.009%
311	15.816	15.789	15.865	VV	2832	90554	0.67%	0.019%
312	15.880	15.865	15.897	VV	2077	31134	0.23%	0.006%
313	15.928	15.897	15.980	VV	4417	128258	0.95%	0.027%
314	16.012	15.980	16.032	VV	3947	82371	0.61%	0.017%
315	16.048	16.032	16.080	VV	2382	53827	0.40%	0.011%
316	16.111	16.080	16.129	VV	3214	65661	0.49%	0.014%
317	16.134	16.129	16.144	VV	2390	18885	0.14%	0.004%
318	16.170	16.144	16.191	VV	2925	68231	0.51%	0.014%
319	16.197	16.191	16.221	VV	2093	31069	0.23%	0.006%
320	16.236	16.221	16.248	VV	1963	27676	0.21%	0.006%
321	16.255	16.248	16.267	VV	1489	15143	0.11%	0.003%
322	16.294	16.267	16.310	VV	2285	48432	0.36%	0.010%
323	16.330	16.310	16.367	VV	3916	84535	0.63%	0.018%
324	16.402	16.367	16.420	VV	3140	68587	0.51%	0.014%
325	16.425	16.420	16.428	VV	2213	10496	0.08%	0.002%
326	16.434	16.428	16.453	VV	2352	30249	0.22%	0.006%
327	16.469	16.453	16.482	VV	2520	38402	0.28%	0.008%
328	16.505	16.482	16.527	VV	3986	77670	0.58%	0.016%
329	16.544	16.527	16.583	VV	4071	79272	0.59%	0.016%
330	16.592	16.583	16.597	VV	1653	11302	0.08%	0.002%
331	16.604	16.597	16.621	VV	1747	21622	0.16%	0.004%
332	16.634	16.621	16.652	VV	1557	25585	0.19%	0.005%
333	16.654	16.652	16.660	VV	1449	6389	0.05%	0.001%
334	16.673	16.660	16.688	VV	1222	17614	0.13%	0.004%
335	16.710	16.688	16.737	VV	1921	38664	0.29%	0.008%
336	16.755	16.737	16.770	VV	1787	26632	0.20%	0.006%
337	16.785	16.770	16.814	VV	1995	40461	0.30%	0.008%
338	16.823	16.814	16.846	VV	1656	24752	0.18%	0.005%
339	16.878	16.846	16.900	VV	3294	69741	0.52%	0.014%
340	16.914	16.900	16.929	VV	2501	33683	0.25%	0.007%
341	16.949	16.929	16.972	VV	3046	55570	0.41%	0.012%
342	16.981	16.972	16.998	VV	1539	22282	0.17%	0.005%
343	17.005	16.998	17.027	VV	1408	19604	0.15%	0.004%
344	17.050	17.027	17.073	VV	1752	36629	0.27%	0.008%
345	17.095	17.073	17.122	VV	2533	45845	0.34%	0.010%
346	17.130	17.122	17.138	VV	948	9244	0.07%	0.002%
347	17.158	17.138	17.173	VV	1581	25122	0.19%	0.005%
348	17.180	17.173	17.210	VV	1362	25103	0.19%	0.005%
349	17.234	17.210	17.267	VV	1524	40099	0.30%	0.008%
350	17.288	17.267	17.298	VV	1447	21260	0.16%	0.004%
351	17.347	17.298	17.364	VV	2761	64857	0.48%	0.013%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2

Manual IntegrationsAPPROVED

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

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352	17.385	17.364	17.415	VV	4233	74141	0.55%	0.015%
353	17.439	17.415	17.449	VV	1452	22991		
354	17.480	17.449	17.508	VV	2501	62836		
355	17.526	17.508	17.543	VV	1697	29084		
356	17.548	17.543	17.573	VV	1430	16702		
357	17.596	17.573	17.604	VV	1110	17073		
358	17.615	17.604	17.635	VV	1010	14610	0.11%	0.003%
359	17.646	17.635	17.655	VV	1054	9722	0.07%	0.002%
360	17.673	17.655	17.688	VV	963	17100	0.13%	0.004%
361	17.702	17.688	17.717	VV	1136	16989	0.13%	0.004%
362	17.743	17.717	17.787	VV	6700	156398	1.16%	0.032%
363	17.807	17.787	17.839	VV	4665	81911	0.61%	0.017%
364	17.854	17.839	17.877	VV	1328	25075	0.19%	0.005%
365	17.885	17.877	17.891	VV	1094	7478	0.06%	0.002%
366	17.894	17.891	17.905	VV	877	5998	0.04%	0.001%
367	17.930	17.905	17.952	VV	1744	30980	0.23%	0.006%
368	17.956	17.952	17.975	VV	1037	11435	0.08%	0.002%
369	17.982	17.975	17.991	VV	894	6965	0.05%	0.001%
370	18.010	17.991	18.036	VV	2042	34409	0.26%	0.007%
371	18.071	18.036	18.097	VV	1374	34704	0.26%	0.007%
372	18.102	18.097	18.111	VV	592	3975	0.03%	0.001%
373	18.115	18.111	18.120	VV	718	1952	0.01%	0.000%
374	18.140	18.120	18.152	PV	1038	12310	0.09%	0.003%
375	18.168	18.152	18.186	VV	1283	18610	0.14%	0.004%
376	18.214	18.186	18.241	VV	3348	55714	0.41%	0.012%

Sum of corrected areas: 482138299

Aromatic EPH 102324.M Sat Nov 09 03:30:35 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-2DL		SDG No.:	P4721	
Lab Sample ID:	P4721-02DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83	
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
FC067690.D	10	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	153		4.57	12.0	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	405	E	2.89	8.02	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	87.6		3.61	12.0	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.75	J	9.63	16.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.7	U	21.7	24.1	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.43		40 - 140	89%	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:	P4721-02DL	Acq On:	11 Nov 2024 11:39
Client Sample ID:	EX-2-TPH-2DL	Operator:	YP/AJ
Data file:	FC067690.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.170	6.450	25877496	191.021	300	ug/ml
Aliphatic C12-C16	6.451	9.840	66567954	505.522	200	ug/ml
Aliphatic C16-C21	9.841	13.198	13900604	109.251	300	ug/ml
Aliphatic C21-C28	13.199	16.853	1459972	12.157	400	ug/ml
Aliphatic C28-C40	16.854	21.695	715898	7.082	600	ug/ml
Aliphatic EPH	3.170	21.695	108521924	825.032		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	478017	4.43		ug/ml
Aliphatic C9-C28	3.170	16.853	107806026	817.951	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067690.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 11:39
Operator : YP/AJ
Sample : P4721-02DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:44:08 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...	12.930	478017	4.427 ug/mlm
Spiked Amount 50.000		Recovery =	8.85%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067690.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 11:39
Operator : YP/AJ
Sample : P4721-02DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

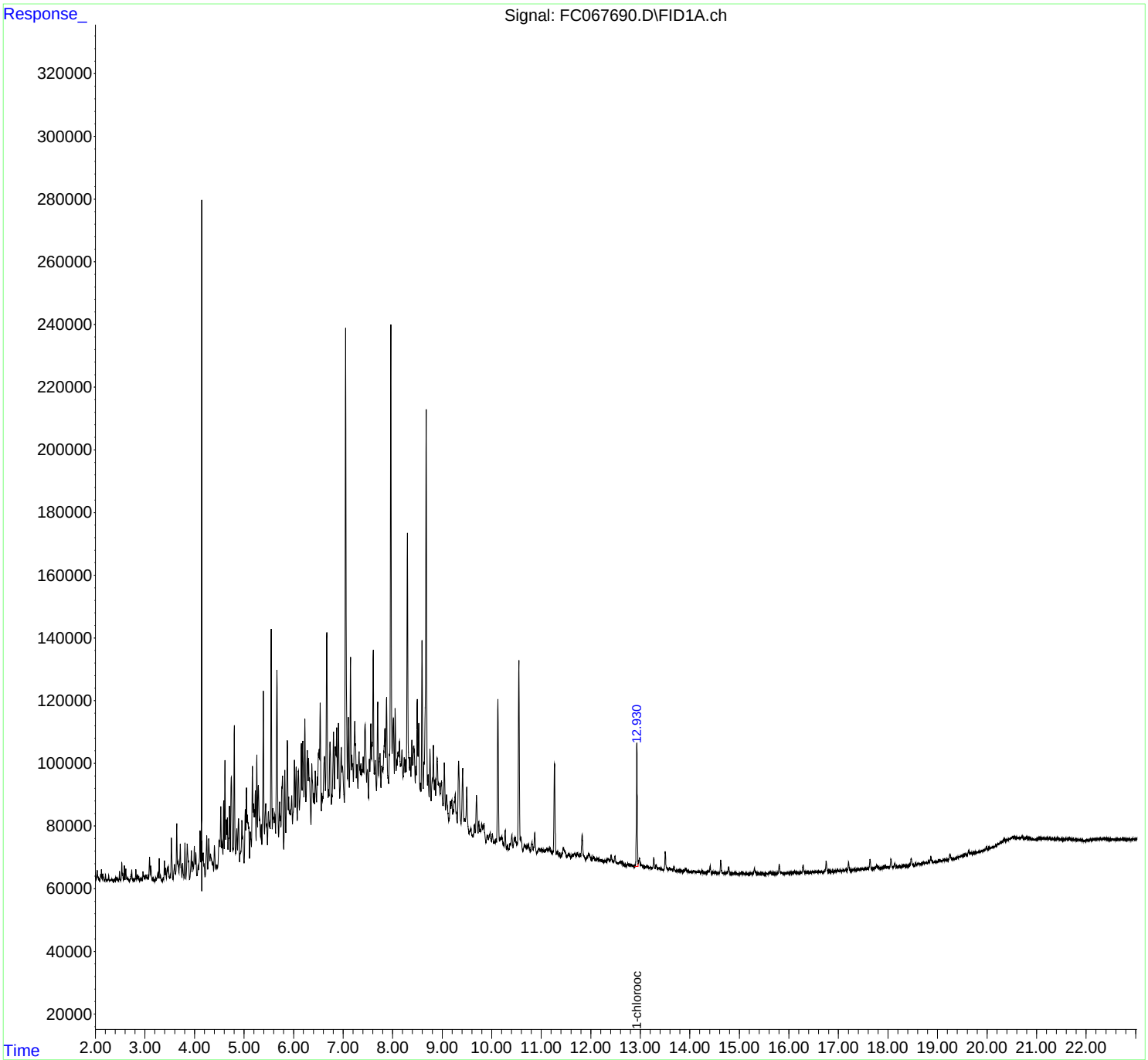
Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL

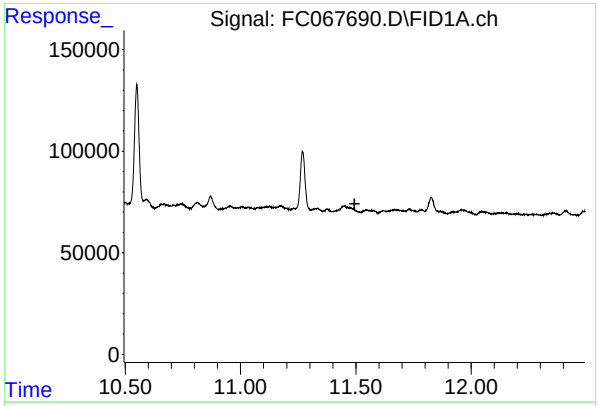
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:44:08 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





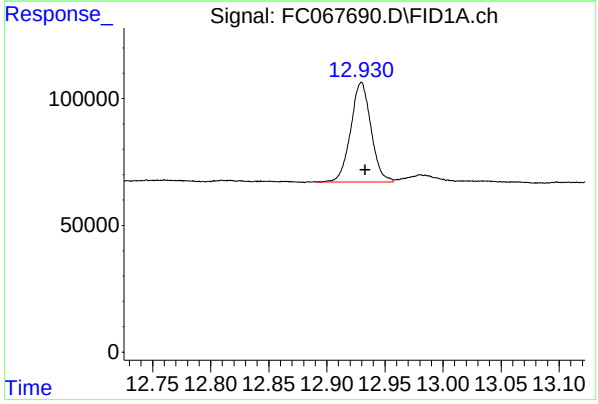
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 mi
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: -0.003 min
Response: 478017
Conc: 4.43 ug/ml m

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11112
Data File : FC067690.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 11:39
Sample : P4721-02DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: sample.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	3.288	3.255	3.347	BV	5684	47929	1.56%	0.044%
2	3.368	3.347	3.376	PV	1129	9584	0.31%	0.009%
3	3.394	3.376	3.407	VV	6503	62874	2.05%	0.058%
4	3.418	3.407	3.433	VV	4262	43063	1.41%	0.039%
5	3.449	3.433	3.456	VV	3889	38491	1.26%	0.035%
6	3.470	3.456	3.497	VV	4519	68589	2.24%	0.063%
7	3.508	3.497	3.516	VV	1859	15082	0.49%	0.014%
8	3.534	3.516	3.567	VV	13441	169081	5.52%	0.155%
9	3.596	3.567	3.615	VV	5181	84444	2.76%	0.077%
10	3.642	3.615	3.662	VV	18092	225502	7.36%	0.207%
11	3.670	3.662	3.685	VV	5993	63266	2.07%	0.058%
12	3.713	3.685	3.746	VV	11447	192576	6.29%	0.177%
13	3.761	3.746	3.791	VV	5291	66555	2.17%	0.061%
14	3.807	3.791	3.826	VV	11761	103839	3.39%	0.095%
15	3.855	3.826	3.902	VV	11337	230965	7.54%	0.212%
16	3.937	3.902	3.951	PV	9105	115531	3.77%	0.106%
17	3.964	3.951	3.981	VV	5456	76081	2.48%	0.070%
18	3.997	3.981	4.015	VV	10303	135558	4.43%	0.124%
19	4.029	4.015	4.050	VV	8074	94406	3.08%	0.087%
20	4.073	4.050	4.083	VV	3895	48354	1.58%	0.044%
21	4.113	4.083	4.125	VV	14946	196553	6.42%	0.180%
22	4.144	4.125	4.163	VV	83004	354992	11.59%	0.325%
23	4.175	4.163	4.214	VV	7710	126367	4.13%	0.116%
24	4.248	4.214	4.268	PV	12774	180051	5.88%	0.165%
25	4.289	4.268	4.311	VV	11417	170747	5.57%	0.157%
26	4.324	4.311	4.360	VV	6110	131613	4.30%	0.121%
27	4.371	4.360	4.385	VV	3323	34105	1.11%	0.031%
28	4.454	4.415	4.466	BV	179	-6725	-0.22%	-0.006%
29	4.497	4.466	4.514	PV	8779	160381	5.24%	0.147%
30	4.531	4.514	4.548	VV	19461	248474	8.11%	0.228%
31	4.557	4.548	4.572	VV	8215	103024	3.36%	0.094%
32	4.588	4.572	4.600	VV	21387	212346	6.93%	0.195%
33	4.615	4.600	4.630	VV	34159	351809	11.48%	0.322%
34	4.642	4.630	4.653	VV	15384	176191	5.75%	0.161%
35	4.663	4.653	4.676	VV	16115	162181	5.29%	0.149%
36	4.706	4.676	4.722	VV	19629	320011	10.45%	0.293%

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL

rteres

Manual IntegrationsAPPROVED

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37	4.743	4.722	4.785	VV	29049	568297	18.55%	0.521%
38	4.804	4.785	4.833	VV	45547	540383	17	
39	4.854	4.833	4.868	VV	12550	180975	5	
40	4.890	4.868	4.911	VV	15775	263957	8	
41	4.958	4.911	5.001	VV	15290	387417	12	
42	5.025	5.001	5.036	VV	18654	220324	7	
43	5.049	5.036	5.112	VV	25767	675990	22.07%	0.620%
44	5.129	5.112	5.149	VV	11516	189448	6.18%	0.174%
45	5.170	5.149	5.215	VV	32500	771641	25.19%	0.707%
46	5.228	5.215	5.242	VV	24830	301662	9.85%	0.277%
47	5.258	5.242	5.273	VV	36152	416207	13.59%	0.381%
48	5.289	5.273	5.335	VV	26483	664929	21.71%	0.609%
49	5.348	5.335	5.361	VV	13992	177293	5.79%	0.163%
50	5.390	5.361	5.414	VV	56612	826453	26.98%	0.758%
51	5.438	5.414	5.473	VV	20522	526292	17.18%	0.482%
52	5.493	5.473	5.508	VV	18138	300532	9.81%	0.275%
53	5.518	5.508	5.527	VV	14747	156215	5.10%	0.143%
54	5.549	5.527	5.572	VV	75489	969621	31.65%	0.889%
55	5.584	5.572	5.608	VV	19129	357307	11.66%	0.328%
56	5.622	5.608	5.637	VV	17379	263405	8.60%	0.241%
57	5.665	5.637	5.699	VV	63438	1132083	36.96%	1.038%
58	5.718	5.699	5.747	VV	21290	456792	14.91%	0.419%
59	5.777	5.747	5.801	VV	29624	662266	21.62%	0.607%
60	5.824	5.801	5.844	VV	31161	469271	15.32%	0.430%
61	5.875	5.844	5.935	VV	40949	1247826	40.73%	1.144%
62	5.963	5.935	5.980	VV	23132	517604	16.90%	0.474%
63	6.018	5.980	6.035	VV	34568	763595	24.93%	0.700%
64	6.052	6.035	6.075	VV	32487	601680	19.64%	0.551%
65	6.097	6.075	6.119	VV	31285	651287	21.26%	0.597%
66	6.157	6.119	6.171	VV	39871	873349	28.51%	0.801%
67	6.186	6.171	6.211	VV	40421	766253	25.01%	0.702%
68	6.229	6.211	6.249	VV	47651	760673	24.83%	0.697%
69	6.278	6.249	6.292	VV	37851	768924	25.10%	0.705%
70	6.303	6.292	6.351	VV	35169	948679	30.97%	0.870%
71	6.370	6.351	6.400	VV	33368	738220	24.10%	0.677%
72	6.411	6.400	6.422	VV	23994	304979	9.96%	0.280%
73	6.440	6.422	6.464	VV	31046	641777	20.95%	0.588%
74	6.479	6.464	6.487	VV	29471	357025	11.65%	0.327%
75	6.538	6.487	6.561	VV	52991	1605062	52.39%	1.471%
76	6.572	6.561	6.594	VV	24048	446427	14.57%	0.409%
77	6.624	6.594	6.644	VV	35946	919631	30.02%	0.843%
78	6.671	6.644	6.699	VV	75570	1467593	47.91%	1.345%
79	6.708	6.699	6.715	VV	25248	240856	7.86%	0.221%
80	6.737	6.715	6.765	VV	40360	939564	30.67%	0.861%
81	6.808	6.765	6.827	VV	43676	1125790	36.75%	1.032%
82	6.845	6.827	6.857	VV	38825	617396	20.15%	0.566%
83	6.871	6.857	6.887	VV	45133	704103	22.98%	0.645%
84	6.907	6.887	6.934	VV	46530	975132	31.83%	0.894%
85	6.963	6.934	6.978	VV	38833	823228	26.87%	0.755%
86	6.987	6.978	7.026	VV	32534	817224	26.68%	0.749%
87	7.052	7.026	7.089	VV	172398	2767322	90.34%	2.537%
88	7.106	7.089	7.127	VV	48581	835195	27.26%	0.766%
89	7.150	7.127	7.168	VV	67319	1098510	35.86%	1.007%

Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

90	7.178	7.168	7.208	VV	36272	802679	26.20%	0.736%
91	7.237	7.208	7.269	VV	47492	1378691	45	
92	7.280	7.269	7.299	VV	33270	549994	17	
93	7.322	7.299	7.349	VV	37610	969655	31	
94	7.361	7.349	7.371	VV	33909	426604	13	
95	7.406	7.371	7.418	VV	35531	915280	29	
96	7.444	7.418	7.476	VV	46163	1329962	43.41%	1.219%
97	7.492	7.476	7.512	VV	31870	631548	20.62%	0.579%
98	7.531	7.512	7.542	VV	35137	542102	17.70%	0.497%
99	7.560	7.542	7.573	VV	46384	738302	24.10%	0.677%
100	7.610	7.573	7.633	VV	69707	1625399	53.06%	1.490%
101	7.649	7.633	7.674	VV	34689	749641	24.47%	0.687%
102	7.699	7.674	7.720	VV	53233	1047621	34.20%	0.960%
103	7.745	7.720	7.765	VV	36902	888136	28.99%	0.814%
104	7.785	7.765	7.799	VV	33153	629779	20.56%	0.577%
105	7.844	7.799	7.860	VV	45062	1396010	45.57%	1.280%
106	7.878	7.860	7.918	VV	55100	1349171	44.04%	1.237%
107	7.965	7.918	7.992	VV	173460	3021773	98.64%	2.770%
108	8.014	7.992	8.035	VV	48252	1078715	35.21%	0.989%
109	8.053	8.035	8.074	VV	51558	930416	30.37%	0.853%
110	8.086	8.074	8.091	VV	34691	341493	11.15%	0.313%
111	8.109	8.091	8.120	VV	37696	627489	20.48%	0.575%
112	8.139	8.120	8.165	VV	41105	994753	32.47%	0.912%
113	8.189	8.165	8.215	VV	38002	1017564	33.22%	0.933%
114	8.236	8.215	8.250	VV	35809	702825	22.94%	0.644%
115	8.262	8.250	8.274	VV	35133	484900	15.83%	0.444%
116	8.299	8.274	8.343	VV	106976	2201004	71.85%	2.017%
117	8.354	8.343	8.370	VV	35934	534944	17.46%	0.490%
118	8.389	8.370	8.405	VV	41352	765454	24.99%	0.702%
119	8.428	8.405	8.458	VV	39457	1112931	36.33%	1.020%
120	8.497	8.458	8.512	VV	54435	1247626	40.73%	1.144%
121	8.529	8.512	8.552	VV	46668	913212	29.81%	0.837%
122	8.562	8.552	8.573	VV	27328	336487	10.98%	0.308%
123	8.595	8.573	8.618	VV	72941	1209745	39.49%	1.109%
124	8.679	8.618	8.705	VV	145868	3063399	100.00%	2.808%
125	8.717	8.705	8.736	VV	30460	530882	17.33%	0.487%
126	8.756	8.736	8.778	VV	38373	742161	24.23%	0.680%
127	8.824	8.778	8.842	VV	40039	1159191	37.84%	1.063%
128	8.855	8.842	8.870	VV	28737	448720	14.65%	0.411%
129	8.899	8.870	8.959	VV	35811	1556800	50.82%	1.427%
130	8.987	8.959	9.021	VV	28347	931587	30.41%	0.854%
131	9.046	9.021	9.070	VV	34395	763804	24.93%	0.700%
132	9.089	9.070	9.135	VV	24218	785205	25.63%	0.720%
133	9.166	9.135	9.179	VV	21921	505886	16.51%	0.464%
134	9.196	9.179	9.215	VV	22501	452964	14.79%	0.415%
135	9.264	9.215	9.305	VV	24568	1078304	35.20%	0.988%
136	9.334	9.305	9.382	VV	34811	1071125	34.97%	0.982%
137	9.415	9.382	9.443	VV	32660	814192	26.58%	0.746%
138	9.453	9.443	9.467	VV	16426	228694	7.47%	0.210%
139	9.498	9.467	9.543	VV	26677	809951	26.44%	0.742%
140	9.576	9.543	9.631	VV	13471	640631	20.91%	0.587%
141	9.652	9.631	9.669	VV	14421	293381	9.58%	0.269%

Instrument :
FID_C
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EX-2-TPH-2DL

rteres

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/12/2024

142	9.695	9.669	9.727	VV	24026	609037	19.88%	0.558%
143	9.741	9.727	9.761	VV	15753	289231	9	
144	9.798	9.761	9.829	VV	15140	560846	18	
145	9.844	9.829	9.885	VV	15240	411178	13	
146	9.913	9.885	9.934	VV	11478	308197	10	
147	9.970	9.934	9.995	VV	12152	401355	13	
148	10.015	9.995	10.041	VV	11780	290015	9.47%	0.266%
149	10.065	10.041	10.074	VV	9697	180904	5.91%	0.166%
150	10.089	10.074	10.098	VV	10172	141301	4.61%	0.130%
151	10.127	10.098	10.158	VV	54666	951188	31.05%	0.872%
152	10.204	10.158	10.244	VV	11262	513492	16.76%	0.471%
153	10.273	10.244	10.298	VV	13053	317390	10.36%	0.291%
154	10.317	10.298	10.345	VV	8251	211521	6.90%	0.194%
155	10.408	10.345	10.434	VV	11693	476306	15.55%	0.437%
156	10.455	10.434	10.464	VV	10624	171989	5.61%	0.158%
157	10.476	10.464	10.511	VV	10915	275884	9.01%	0.253%
158	10.550	10.511	10.581	VV	67313	1155010	37.70%	1.059%
159	10.592	10.581	10.628	VV	10897	255432	8.34%	0.234%
160	10.667	10.628	10.698	VV	8438	321073	10.48%	0.294%
161	10.743	10.698	10.781	VV	8435	385835	12.60%	0.354%
162	10.813	10.781	10.838	VV	9235	273025	8.91%	0.250%
163	10.870	10.838	10.911	VV	12340	371184	12.12%	0.340%
164	10.954	10.911	10.981	VV	7690	282521	9.22%	0.259%
165	11.007	10.981	11.021	VV	7299	165539	5.40%	0.152%
166	11.035	11.021	11.061	VV	6874	158538	5.18%	0.145%
167	11.126	11.061	11.151	VV	7366	374632	12.23%	0.343%
168	11.174	11.151	11.214	VV	7774	260689	8.51%	0.239%
169	11.269	11.214	11.305	VV	34549	722240	23.58%	0.662%
170	11.334	11.305	11.355	VV	6670	178895	5.84%	0.164%
171	11.376	11.355	11.398	VV	6083	142413	4.65%	0.131%
172	11.450	11.398	11.518	VV	7761	440602	14.38%	0.404%
173	11.547	11.518	11.565	VV	5756	147263	4.81%	0.135%
174	11.570	11.565	11.597	VV	5453	98259	3.21%	0.090%
175	11.620	11.597	11.634	VV	5428	113273	3.70%	0.104%
176	11.671	11.634	11.715	VV	5940	264754	8.64%	0.243%
177	11.732	11.715	11.765	VV	6199	166987	5.45%	0.153%
178	11.785	11.765	11.798	VV	5933	110345	3.60%	0.101%
179	11.827	11.798	11.901	VV	11838	402319	13.13%	0.369%
180	11.924	11.901	11.935	VV	4936	94579	3.09%	0.087%
181	11.959	11.935	12.021	VV	5746	254044	8.29%	0.233%
182	12.046	12.021	12.093	VV	5062	191325	6.25%	0.175%
183	12.132	12.093	12.143	VV	4413	126089	4.12%	0.116%
184	12.149	12.143	12.176	VV	4333	82373	2.69%	0.076%
185	12.201	12.176	12.221	VV	4008	102019	3.33%	0.094%
186	12.233	12.221	12.246	VV	3793	55610	1.82%	0.051%
187	12.261	12.246	12.271	VV	3740	53510	1.75%	0.049%
188	12.281	12.271	12.307	VV	3792	77411	2.53%	0.071%
189	12.349	12.307	12.384	VV	4337	181077	5.91%	0.166%
190	12.410	12.384	12.465	VV	5538	201250	6.57%	0.184%
191	12.487	12.465	12.545	VV	5158	179188	5.85%	0.164%
192	12.588	12.545	12.608	VV	3403	118728	3.88%	0.109%
193	12.629	12.608	12.675	VV	3693	120602	3.94%	0.111%
194	12.681	12.675	12.703	VV	2708	42230	1.38%	0.039%

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EX-2-TPH-2DL

Manual IntegrationsAPPROVED

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195	12.760	12.703	12.794	VV	2779	135829	4.43%	0.125%
196	12.812	12.794	12.836	VV	2618	61408		
197	12.845	12.836	12.881	VV	2305	59540		
198	12.930	12.881	12.960	VV	41322	576940	18	
199	12.982	12.960	13.087	VV	4846	211655		
200	13.099	13.087	13.118	VV	2036	34913		
201	13.150	13.118	13.185	VV	2276	75676	2.47%	0.069%
202	13.200	13.185	13.245	VV	1762	57962	1.89%	0.053%
203	13.272	13.245	13.296	VV	4946	86676	2.83%	0.079%
204	13.321	13.296	13.352	VV	2655	64956	2.12%	0.060%
205	13.368	13.352	13.390	VV	1731	35132	1.15%	0.032%
206	13.411	13.390	13.454	VV	1403	47576	1.55%	0.044%
207	13.503	13.454	13.567	VV	6659	157103	5.13%	0.144%
208	13.595	13.567	13.617	VV	1706	42118	1.37%	0.039%
209	13.637	13.617	13.657	VV	1513	29039	0.95%	0.027%
210	13.681	13.657	13.717	VV	2134	45192	1.48%	0.041%
211	13.768	13.717	13.785	VV	908	32366	1.06%	0.030%
212	13.818	13.785	13.862	VV	926	34889	1.14%	0.032%
213	13.919	13.862	13.949	VV	1589	47550	1.55%	0.044%
214	13.979	13.949	14.027	VV	795	27814	0.91%	0.025%
215	14.078	14.027	14.108	VV	862	30004	0.98%	0.028%
216	14.131	14.108	14.159	VV	637	15925	0.52%	0.015%
217	14.182	14.159	14.218	VV	757	18241	0.60%	0.017%
218	14.245	14.218	14.275	VV	1243	20007	0.65%	0.018%
219	14.311	14.275	14.347	VV	438	14852	0.48%	0.014%
220	14.372	14.347	14.388	VV	826	15476	0.51%	0.014%
221	14.410	14.388	14.444	VV	2529	38021	1.24%	0.035%
222	14.490	14.444	14.515	VV	542	15777	0.52%	0.014%
223	14.522	14.515	14.528	VV	384	2824	0.09%	0.003%
224	14.535	14.528	14.572	VV	381	6697	0.22%	0.006%
225	14.623	14.572	14.678	VV	4331	68891	2.25%	0.063%
226	14.692	14.678	14.722	VV	342	7174	0.23%	0.007%
227	14.743	14.722	14.760	VV	539	8228	0.27%	0.008%
228	14.784	14.760	14.893	VV	2252	44886	1.47%	0.041%
229	14.927	14.893	14.999	VV	329	11295	0.37%	0.010%
230	15.041	14.999	15.065	VV	249	6290	0.21%	0.006%
231	15.090	15.065	15.165	VV	224	7969	0.26%	0.007%
232	15.213	15.165	15.266	PV	281	10944	0.36%	0.010%
233	15.303	15.266	15.385	VV	2033	42096	1.37%	0.039%
234	15.387	15.385	15.414	VV	224	2124	0.07%	0.002%
235	15.431	15.414	15.445	PV	249	3446	0.11%	0.003%
236	15.451	15.445	15.497	VV	232	4897	0.16%	0.004%
237	15.518	15.497	15.535	VV	195	3661	0.12%	0.003%
238	15.559	15.535	15.577	VV	211	3786	0.12%	0.003%
239	15.616	15.577	15.707	VV	562	20110	0.66%	0.018%
240	15.725	15.707	15.745	PV	120	1975	0.06%	0.002%
241	15.765	15.745	15.775	VV	279	3876	0.13%	0.004%
242	15.803	15.775	15.895	VV	3056	52323	1.71%	0.048%
243	15.947	15.895	15.963	VV	202	4662	0.15%	0.004%
244	15.989	15.963	16.023	VV	333	7660	0.25%	0.007%
245	16.121	16.023	16.147	VV	582	21260	0.69%	0.019%
246	16.165	16.147	16.209	VV	353	9347	0.31%	0.009%

Instrument :
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EX-2-TPH-2DL

Manual IntegrationsAPPROVED

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247	16.286	16.209	16.351	VV	2620	57636	1.88%	0.053%
248	16.359	16.351	16.395	VV	324	6806		
249	16.412	16.395	16.435	VV	349	6309		
250	16.446	16.435	16.458	VV	432	5028		
251	16.491	16.458	16.578	VV	526	27396		
252	16.592	16.578	16.641	VV	458	15299		
253	16.648	16.641	16.695	VV	384	9981	0.33%	0.009%
254	16.752	16.695	16.830	VV	3773	81154	2.65%	0.074%
255	16.841	16.830	16.898	VV	532	17266	0.56%	0.016%
256	16.982	16.898	17.021	VV	850	41662	1.36%	0.038%
257	17.039	17.021	17.095	VV	703	25765	0.84%	0.024%
258	17.152	17.095	17.173	VV	873	31459	1.03%	0.029%
259	17.203	17.173	17.245	VV	3353	64951	2.12%	0.060%
260	17.313	17.245	17.346	VV	925	44901	1.47%	0.041%
261	17.383	17.346	17.401	VV	848	25288	0.83%	0.023%
262	17.411	17.401	17.421	VV	862	9628	0.31%	0.009%
263	17.432	17.421	17.445	VV	841	11466	0.37%	0.011%
264	17.485	17.445	17.510	VV	1058	36155	1.18%	0.033%
265	17.533	17.510	17.555	VV	1121	27405	0.89%	0.025%
266	17.572	17.555	17.587	VV	1211	21885	0.71%	0.020%
267	17.638	17.587	17.685	VV	4005	103615	3.38%	0.095%
268	17.708	17.685	17.724	VV	1072	24051	0.79%	0.022%
269	17.772	17.724	17.846	VV	1994	97604	3.19%	0.089%
270	17.868	17.846	17.881	VV	1176	23659	0.77%	0.022%
271	17.911	17.881	17.931	VV	1462	38345	1.25%	0.035%
272	17.955	17.931	17.987	VV	1641	48896	1.60%	0.045%
273	18.012	17.987	18.035	VV	1508	39163	1.28%	0.036%

Sum of corrected areas: 109098865

Aliphatic EPH 102324.M Tue Nov 12 02:07:22 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-2DL		SDG No.:	P4721	
Lab Sample ID:	P4721-02DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83	
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
FD048692.D	10	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.6		3.61	8.02	mg/kg
Aromatic C12-C16	Aromatic C12-C16	100		4.09	12.0	mg/kg
Aromatic C16-C21	Aromatic C16-C21	114		11.6	20.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	12.6	J	24.1	32.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	7.73		40 - 140	155%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	5.20		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.03		40 - 140	81%	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:	P4721-02DL	Acq On:	11 Nov 2024 11:02
Client Sample ID:	EX-2-TPH-2DL	Operator:	YP/AJ
Data file:	FD048692.D	Misc:	
Instrument:	FID_D	ALS Vial:	58
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.090	5.808	3863623	21.927	200	ug/ml
Aromatic C12-C16	5.809	8.414	22294363	125.763	300	ug/ml
Aromatic C16-C21	8.415	12.677	23471352	143.264	500	ug/ml
Aromatic C21-C36	12.678	18.084	2399870	15.715	800	ug/ml
Aromatic EPH	4.090	18.084	52029208	306.669		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	1173440	7.73		ug/ml
2-Flurobiphenyl (SURR)	8.220	8.220	510715	5.2		ug/ml
ortho-Terphenyl (SURR)	11.252	11.252	686602	4.03		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048692.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:02
Operator : YP/AJ
Sample : P4721-02DL 10X
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:11 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...	7.367	1173440	7.731 ug/mlm
Spiked Amount 50.000		Recovery =	15.46%
6) S 2-Flurobiphenyl (SURR)	8.220	510715	5.201 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	10.40%
11) S ortho-Terphenyl (SURR)	11.252	686602	4.031 ug/ml
Spiked Amount 50.000		Recovery =	8.06%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048692.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:02
Operator : YP/AJ
Sample : P4721-02DL 10X
Misc :
ALS Vial : 58 Sample Multiplier: 1

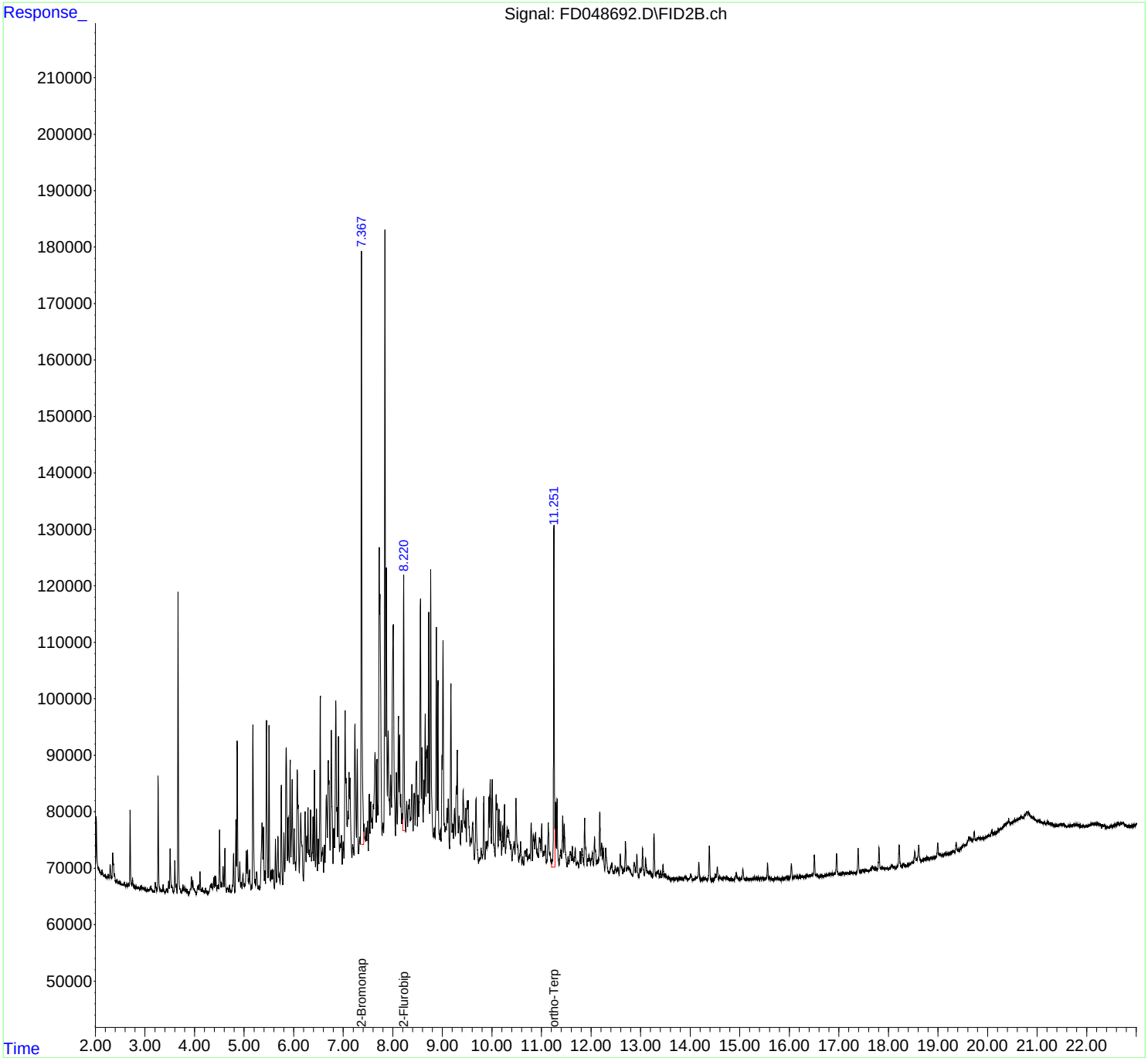
Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2DL

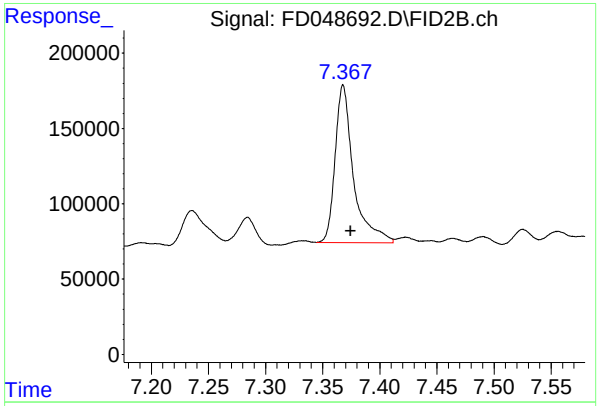
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:11 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





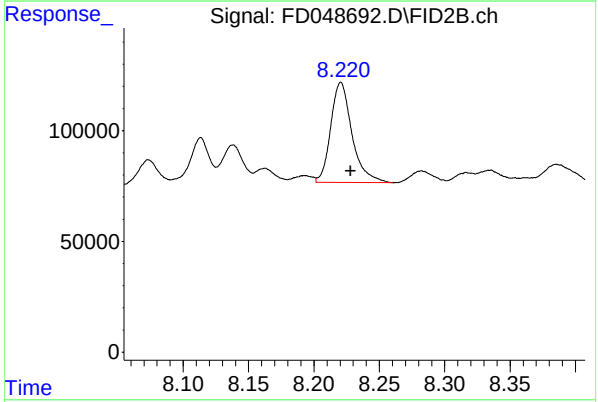
#4 2-Bromonaphthalene (SURR)

R.T.: 7.367 min
Delta R.T.: -0.007 min
Response: 1173440
Conc: 7.73 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2DL

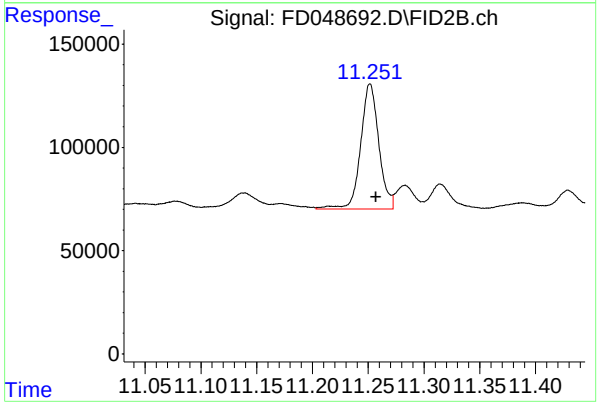
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.220 min
Delta R.T.: -0.008 min
Response: 510715
Conc: 5.20 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.252 min
Delta R.T.: -0.005 min
Response: 686602
Conc: 4.03 ug/ml

Instrument :
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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11112
Data File : FD048692.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:02
Sample : P4721-02DL 10X
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: sample.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	4.066	4.042	4.075	PV	810	7918	0.52%	0.015%
2	4.084	4.075	4.094	PV	863	4483	0.30%	0.008%
3	4.110	4.094	4.138	VV	3281	30805	2.04%	0.058%
4	4.163	4.138	4.182	PV	611	8176	0.54%	0.015%
5	4.188	4.182	4.203	VV	389	2407	0.16%	0.005%
6	4.224	4.203	4.254	PV	897	12586	0.83%	0.024%
7	4.270	4.254	4.277	PV	312	2354	0.16%	0.004%
8	4.323	4.285	4.333	VV	1671	26681	1.76%	0.050%
9	4.345	4.333	4.365	VV	1674	24787	1.64%	0.047%
10	4.386	4.365	4.398	VV	2747	32626	2.16%	0.062%
11	4.409	4.398	4.420	VV	3079	28214	1.87%	0.053%
12	4.431	4.420	4.448	VV	3030	29811	1.97%	0.056%
13	4.462	4.448	4.469	VV	1397	13332	0.88%	0.025%
14	4.479	4.469	4.488	VV	1563	14323	0.95%	0.027%
15	4.505	4.488	4.537	VV	11323	125246	8.28%	0.237%
16	4.547	4.537	4.558	VV	1775	18607	1.23%	0.035%
17	4.576	4.558	4.595	VV	4701	60724	4.01%	0.115%
18	4.612	4.595	4.645	VV	7974	90749	6.00%	0.172%
19	4.670	4.645	4.690	VV	930	17381	1.15%	0.033%
20	4.706	4.690	4.722	VV	1389	15513	1.03%	0.029%
21	4.763	4.722	4.772	VV	1292	19253	1.27%	0.036%
22	4.787	4.772	4.810	VV	7090	74796	4.94%	0.141%
23	4.835	4.810	4.846	VV	13002	120099	7.94%	0.227%
24	4.861	4.846	4.887	VV	26946	284640	18.82%	0.538%
25	4.914	4.887	4.930	VV	5570	78214	5.17%	0.148%
26	4.942	4.930	4.957	VV	1944	22936	1.52%	0.043%
27	4.975	4.957	4.993	VV	3319	45803	3.03%	0.087%
28	5.002	4.993	5.015	VV	1720	18525	1.22%	0.035%
29	5.044	5.015	5.057	VV	7390	94591	6.25%	0.179%
30	5.070	5.057	5.086	VV	7582	83818	5.54%	0.159%
31	5.110	5.086	5.140	VV	3966	69843	4.62%	0.132%
32	5.150	5.140	5.158	VV	1245	9842	0.65%	0.019%
33	5.177	5.158	5.213	VV	29743	378690	25.03%	0.716%
34	5.223	5.213	5.234	VV	2340	23823	1.57%	0.045%
35	5.249	5.234	5.281	VV	3599	66981	4.43%	0.127%
36	5.299	5.281	5.313	VV	1240	17992	1.19%	0.034%

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37	5.361	5.313	5.380	VV	12408	249102	16.47%	0.471%
38	5.391	5.380	5.408	VV	11616	119517		
39	5.419	5.408	5.432	VV	3843	42231		
40	5.451	5.432	5.484	VV	30456	395835		
41	5.503	5.484	5.530	VV	29550	302570		
42	5.543	5.530	5.555	VV	3847	44992		
43	5.565	5.555	5.577	VV	4168	42803	2.83%	0.081%
44	5.588	5.577	5.611	VV	3840	46865	3.10%	0.089%
45	5.633	5.611	5.656	VV	9271	110311	7.29%	0.209%
46	5.684	5.656	5.701	VV	9934	147343	9.74%	0.279%
47	5.710	5.701	5.724	VV	3153	35674	2.36%	0.067%
48	5.750	5.724	5.781	VV	18932	239389	15.83%	0.453%
49	5.804	5.781	5.819	VV	10421	122823	8.12%	0.232%
50	5.850	5.819	5.875	VV	25586	454708	30.06%	0.860%
51	5.888	5.875	5.913	VV	13137	191087	12.63%	0.361%
52	5.929	5.913	5.945	VV	23481	252739	16.71%	0.478%
53	5.971	5.945	5.995	VV	19871	324062	21.42%	0.613%
54	6.010	5.995	6.042	VV	11217	188334	12.45%	0.356%
55	6.073	6.042	6.113	VV	21510	488000	32.26%	0.923%
56	6.143	6.113	6.198	VV	13993	383797	25.37%	0.726%
57	6.231	6.198	6.249	VV	14145	260839	17.24%	0.493%
58	6.265	6.249	6.276	VV	9801	125222	8.28%	0.237%
59	6.289	6.276	6.306	VV	14858	186436	12.33%	0.353%
60	6.313	6.306	6.323	VV	7235	69562	4.60%	0.132%
61	6.343	6.323	6.362	VV	14455	225119	14.88%	0.426%
62	6.391	6.362	6.406	VV	13175	225617	14.92%	0.427%
63	6.420	6.406	6.442	VV	21466	242094	16.00%	0.458%
64	6.461	6.442	6.480	VV	14630	194704	12.87%	0.368%
65	6.537	6.508	6.556	VV	34503	446833	29.54%	0.845%
66	6.585	6.570	6.605	VV	7709	130817	8.65%	0.247%
67	6.660	6.634	6.681	VV	17041	333616	22.05%	0.631%
68	6.698	6.681	6.735	VV	23051	521455	34.47%	0.986%
69	6.760	6.735	6.795	VV	28470	556588	36.80%	1.053%
70	6.851	6.824	6.887	VV	33698	685275	45.30%	1.296%
71	6.905	6.887	6.925	VV	27333	367189	24.27%	0.695%
72	6.939	6.925	6.953	VV	8163	132123	8.73%	0.250%
73	6.965	6.953	6.981	VV	9811	129055	8.53%	0.244%
74	6.998	6.981	7.016	VV	8582	146002	9.65%	0.276%
75	7.038	7.016	7.052	VV	31927	411007	27.17%	0.778%
76	7.058	7.052	7.084	VV	19903	300789	19.88%	0.569%
77	7.096	7.084	7.103	VV	14006	147855	9.77%	0.280%
78	7.116	7.103	7.126	VV	20849	240560	15.90%	0.455%
79	7.136	7.126	7.177	VV	19915	376484	24.89%	0.712%
80	7.236	7.215	7.266	VV	29442	530476	35.07%	1.004%
81	7.284	7.266	7.313	VV	24941	388126	25.66%	0.734%
82	7.333	7.313	7.344	VV	9331	155982	10.31%	0.295%
83	7.368	7.344	7.413	VV	112806	1512656	100.00%	2.862%
84	7.423	7.413	7.437	VV	11701	148929	9.85%	0.282%
85	7.464	7.452	7.476	VV	11010	143817	9.51%	0.272%
86	7.490	7.476	7.507	VV	12133	185276	12.25%	0.350%
87	7.525	7.507	7.540	VV	16973	241670	15.98%	0.457%
88	7.556	7.540	7.572	VV	15579	256180	16.94%	0.485%
89	7.607	7.589	7.615	VV	15007	214075	14.15%	0.405%

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90	7.642	7.615	7.667	VV	24380	587670	38.85%	1.112%
91	7.680	7.667	7.693	VV	23077	284565	18	
92	7.726	7.708	7.735	VV	60263	659374	43	
93	7.741	7.735	7.785	VV	52404	908065	60	
94	7.842	7.816	7.859	VV	116700	1368402	90	
95	7.870	7.859	7.891	VV	57051	714918	47	
96	7.908	7.891	7.943	VV	28112	629870	41.64%	1.192%
97	7.957	7.943	7.975	VV	20293	324301	21.44%	0.613%
98	8.009	7.975	8.055	VV	46942	1295039	85.61%	2.450%
99	8.113	8.091	8.126	VV	30707	419210	27.71%	0.793%
100	8.138	8.126	8.154	VV	27361	360906	23.86%	0.683%
101	8.162	8.154	8.180	VV	16756	228192	15.09%	0.432%
102	8.193	8.180	8.202	VV	13480	167302	11.06%	0.316%
103	8.221	8.202	8.262	VV	55610	887886	58.70%	1.680%
104	8.317	8.302	8.323	VV	14840	175457	11.60%	0.332%
105	8.335	8.323	8.357	VV	15868	285060	18.84%	0.539%
106	8.362	8.357	8.365	VV	12443	61965	4.10%	0.117%
107	8.386	8.365	8.412	VV	18545	421026	27.83%	0.796%
108	8.429	8.412	8.452	VV	16966	351292	23.22%	0.665%
109	8.479	8.452	8.497	VV	22570	482439	31.89%	0.913%
110	8.511	8.497	8.524	VV	16635	226555	14.98%	0.429%
111	8.558	8.524	8.579	VV	51370	894522	59.14%	1.692%
112	8.592	8.579	8.614	VV	25058	392425	25.94%	0.742%
113	8.629	8.614	8.639	VV	19333	242759	16.05%	0.459%
114	8.655	8.639	8.670	VV	30942	415534	27.47%	0.786%
115	8.683	8.670	8.690	VV	24612	273619	18.09%	0.518%
116	8.699	8.690	8.711	VV	25312	279602	18.48%	0.529%
117	8.726	8.711	8.744	VV	48950	587679	38.85%	1.112%
118	8.766	8.744	8.817	VV	56441	994813	65.77%	1.882%
119	8.837	8.817	8.852	VV	10614	205337	13.57%	0.388%
120	8.880	8.852	8.898	VV	46212	660562	43.67%	1.250%
121	8.912	8.898	8.949	VV	36886	545059	36.03%	1.031%
122	8.961	8.949	8.975	VV	10379	146920	9.71%	0.278%
123	8.994	8.975	9.000	VV	23588	245993	16.26%	0.465%
124	9.015	9.000	9.055	VV	43887	723994	47.86%	1.370%
125	9.071	9.055	9.081	VV	10877	164327	10.86%	0.311%
126	9.096	9.081	9.108	VV	14216	206944	13.68%	0.391%
127	9.121	9.108	9.145	VV	15831	260354	17.21%	0.493%
128	9.174	9.145	9.197	VV	36274	574318	37.97%	1.086%
129	9.208	9.197	9.226	VV	11315	184001	12.16%	0.348%
130	9.247	9.226	9.264	VV	14065	260163	17.20%	0.492%
131	9.283	9.264	9.289	VV	18100	219703	14.52%	0.416%
132	9.302	9.289	9.322	VV	24382	353202	23.35%	0.668%
133	9.340	9.322	9.365	VV	12754	269383	17.81%	0.510%
134	9.384	9.365	9.403	VV	11987	235300	15.56%	0.445%
135	9.420	9.403	9.446	VV	17260	356372	23.56%	0.674%
136	9.452	9.446	9.460	VV	11588	92551	6.12%	0.175%
137	9.472	9.460	9.486	VV	14117	183998	12.16%	0.348%
138	9.503	9.486	9.512	VV	15448	203488	13.45%	0.385%
139	9.522	9.512	9.560	VV	15420	329284	21.77%	0.623%
140	9.579	9.560	9.592	VV	8543	155467	10.28%	0.294%
141	9.611	9.592	9.648	VV	11471	296526	19.60%	0.561%

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142	9.680	9.648	9.732	VV	15652	428582	28.33%	0.811%
143	9.783	9.732	9.807	VV	6955	247634	16	
144	9.837	9.807	9.862	VV	16147	291105	19	
145	9.882	9.862	9.895	VV	8090	132840	8	
146	9.908	9.895	9.921	VV	8095	118618	7	
147	9.940	9.921	9.952	VV	15977	221441	14	
148	9.967	9.952	9.990	VV	19060	305944	20.23%	0.579%
149	10.007	9.990	10.064	VV	19104	469182	31.02%	0.888%
150	10.087	10.064	10.100	VV	16434	264615	17.49%	0.501%
151	10.106	10.100	10.126	VV	14677	183390	12.12%	0.347%
152	10.143	10.126	10.163	VV	13744	236186	15.61%	0.447%
153	10.180	10.163	10.197	VV	11629	182097	12.04%	0.344%
154	10.220	10.197	10.236	VV	10784	202047	13.36%	0.382%
155	10.256	10.236	10.275	VV	14643	230977	15.27%	0.437%
156	10.307	10.275	10.319	VV	10448	222961	14.74%	0.422%
157	10.336	10.319	10.378	VV	9913	300896	19.89%	0.569%
158	10.389	10.378	10.407	VV	7424	112560	7.44%	0.213%
159	10.448	10.407	10.465	VV	7972	230862	15.26%	0.437%
160	10.487	10.465	10.516	VV	15578	305311	20.18%	0.578%
161	10.523	10.516	10.542	VV	7196	92726	6.13%	0.175%
162	10.579	10.542	10.606	VV	7914	222580	14.71%	0.421%
163	10.624	10.606	10.642	VV	5323	97452	6.44%	0.184%
164	10.666	10.642	10.692	VV	6344	165777	10.96%	0.314%
165	10.704	10.692	10.722	VV	6608	103148	6.82%	0.195%
166	10.740	10.722	10.751	VV	5391	90519	5.98%	0.171%
167	10.762	10.751	10.773	VV	5595	68903	4.56%	0.130%
168	10.793	10.773	10.817	VV	11161	210314	13.90%	0.398%
169	10.835	10.817	10.864	VV	9102	212496	14.05%	0.402%
170	10.881	10.864	10.904	VV	9441	190373	12.59%	0.360%
171	10.911	10.904	10.927	VV	6438	82544	5.46%	0.156%
172	10.928	10.927	10.940	VV	5746	41757	2.76%	0.079%
173	10.958	10.940	10.989	VV	8553	222056	14.68%	0.420%
174	11.006	10.989	11.027	VV	11016	185837	12.29%	0.352%
175	11.041	11.027	11.060	VV	6138	112659	7.45%	0.213%
176	11.077	11.060	11.101	VV	7146	141979	9.39%	0.269%
177	11.139	11.101	11.162	VV	11019	259730	17.17%	0.491%
178	11.172	11.162	11.203	VV	5903	125101	8.27%	0.237%
179	11.252	11.203	11.272	VV	63904	820013	54.21%	1.551%
180	11.283	11.272	11.300	VV	14802	191045	12.63%	0.361%
181	11.315	11.300	11.353	VV	15368	263977	17.45%	0.499%
182	11.388	11.353	11.408	VV	6287	166189	10.99%	0.314%
183	11.429	11.408	11.446	VV	12405	193066	12.76%	0.365%
184	11.462	11.446	11.516	VV	10804	272748	18.03%	0.516%
185	11.535	11.516	11.553	VV	5003	95192	6.29%	0.180%
186	11.586	11.553	11.606	VV	5970	160101	10.58%	0.303%
187	11.622	11.606	11.660	VV	6964	168124	11.11%	0.318%
188	11.681	11.660	11.702	VV	6498	125411	8.29%	0.237%
189	11.706	11.702	11.711	VV	3893	22256	1.47%	0.042%
190	11.721	11.711	11.751	VV	4040	90553	5.99%	0.171%
191	11.782	11.751	11.797	VV	5920	124775	8.25%	0.236%
192	11.820	11.797	11.853	VV	6505	173092	11.44%	0.327%
193	11.871	11.853	11.920	VV	11952	271588	17.95%	0.514%
194	11.932	11.920	11.943	VV	4705	57984	3.83%	0.110%

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195	11.957	11.943	11.991	VV	5362	130729	8.64%	0.247%
196	12.026	11.991	12.050	VV	5722	162435	10	
197	12.070	12.050	12.085	VV	8519	129422	8	
198	12.091	12.085	12.110	VV	6056	75903	5	
199	12.121	12.110	12.138	VV	4271	66691	4	
200	12.176	12.138	12.197	VV	12897	256465	16	
201	12.213	12.197	12.230	VV	7311	123604	8.17%	0.234%
202	12.245	12.230	12.275	VV	6476	126900	8.39%	0.240%
203	12.295	12.275	12.362	VV	6299	191252	12.64%	0.362%
204	12.396	12.362	12.405	VV	3103	65835	4.35%	0.125%
205	12.420	12.405	12.450	VV	3837	79160	5.23%	0.150%
206	12.487	12.450	12.507	VV	3277	84075	5.56%	0.159%
207	12.529	12.507	12.568	VV	2857	90290	5.97%	0.171%
208	12.588	12.568	12.608	VV	5343	85722	5.67%	0.162%
209	12.615	12.608	12.642	VV	3225	55568	3.67%	0.105%
210	12.660	12.642	12.671	VV	2674	43516	2.88%	0.082%
211	12.696	12.671	12.720	VV	7532	129419	8.56%	0.245%
212	12.745	12.720	12.758	VV	3111	64151	4.24%	0.121%
213	12.763	12.758	12.830	VV	2859	98451	6.51%	0.186%
214	12.833	12.830	12.844	VV	1627	12475	0.82%	0.024%
215	12.873	12.844	12.901	VV	3723	95664	6.32%	0.181%
216	12.923	12.901	12.967	VV	5309	108404	7.17%	0.205%
217	12.986	12.967	13.000	VV	2685	42818	2.83%	0.081%
218	13.040	13.000	13.075	VV	6289	143822	9.51%	0.272%
219	13.099	13.075	13.133	VV	4518	102295	6.76%	0.194%
220	13.137	13.133	13.157	VV	2187	28604	1.89%	0.054%
221	13.172	13.157	13.182	VV	2173	29898	1.98%	0.057%
222	13.188	13.182	13.209	VV	2193	33248	2.20%	0.063%
223	13.215	13.209	13.239	VV	1829	26432	1.75%	0.050%
224	13.269	13.239	13.312	VV	8719	149246	9.87%	0.282%
225	13.330	13.312	13.343	VV	2076	33872	2.24%	0.064%
226	13.355	13.343	13.384	VV	2366	44513	2.94%	0.084%
227	13.404	13.384	13.423	VV	2186	37657	2.49%	0.071%
228	13.450	13.423	13.479	VV	3220	65220	4.31%	0.123%
229	13.495	13.479	13.510	VV	1670	27327	1.81%	0.052%
230	13.514	13.510	13.539	VV	1234	18261	1.21%	0.035%
231	13.550	13.539	13.568	VV	1088	16726	1.11%	0.032%
232	13.575	13.568	13.605	VV	993	17433	1.15%	0.033%
233	13.630	13.605	13.639	VV	985	14197	0.94%	0.027%
234	13.643	13.639	13.652	VV	954	6010	0.40%	0.011%
235	13.656	13.652	13.683	VV	966	12686	0.84%	0.024%
236	13.689	13.683	13.697	VV	653	4654	0.31%	0.009%
237	13.716	13.697	13.723	VV	1003	12438	0.82%	0.024%
238	13.727	13.723	13.752	VV	871	12196	0.81%	0.023%
239	13.787	13.752	13.819	VV	1080	29515	1.95%	0.056%
240	13.827	13.819	13.832	VV	769	5648	0.37%	0.011%
241	13.842	13.832	13.857	VV	802	10087	0.67%	0.019%
242	13.860	13.857	13.867	VV	673	3409	0.23%	0.006%
243	13.892	13.867	13.902	VV	1096	19054	1.26%	0.036%
244	13.917	13.902	13.947	VV	1130	23009	1.52%	0.044%
245	13.951	13.947	13.962	VV	706	5699	0.38%	0.011%
246	13.965	13.962	13.981	VV	723	7579	0.50%	0.014%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	14.010	13.981	14.055	VV	1559	41497	2.74%	0.079%
248	14.061	14.055	14.065	VV	535	3064		
249	14.080	14.065	14.085	VV	772	7018		
250	14.116	14.085	14.137	VV	986	24593		
251	14.173	14.137	14.213	VV	3442	70715		
252	14.216	14.213	14.222	VV	526	2325		
253	14.234	14.222	14.255	VV	696	11280	0.75%	0.021%
254	14.266	14.255	14.270	VV	874	7117	0.47%	0.013%
255	14.275	14.270	14.291	VV	879	8215	0.54%	0.016%
256	14.305	14.291	14.347	VV	744	18853	1.25%	0.036%
257	14.349	14.347	14.357	VV	565	3053	0.20%	0.006%
258	14.385	14.357	14.432	VV	6438	94697	6.26%	0.179%
259	14.437	14.432	14.465	VV	350	6142	0.41%	0.012%
260	14.471	14.465	14.478	VV	465	3095	0.20%	0.006%
261	14.507	14.478	14.525	VV	1376	25415	1.68%	0.048%
262	14.545	14.525	14.575	VV	2699	44766	2.96%	0.085%
263	14.586	14.575	14.638	VV	913	25325	1.67%	0.048%
264	14.648	14.638	14.663	VV	745	8463	0.56%	0.016%
265	14.685	14.663	14.707	VV	846	18919	1.25%	0.036%
266	14.727	14.707	14.737	VV	721	11702	0.77%	0.022%
267	14.743	14.737	14.761	VV	764	8720	0.58%	0.016%
268	14.767	14.761	14.772	VV	574	3194	0.21%	0.006%
269	14.777	14.772	14.802	VV	763	8562	0.57%	0.016%
270	14.821	14.802	14.837	VV	529	9010	0.60%	0.017%
271	14.850	14.837	14.873	VV	451	8058	0.53%	0.015%
272	14.877	14.873	14.887	VV	437	2815	0.19%	0.005%
273	14.925	14.887	14.955	VV	1566	36420	2.41%	0.069%
274	14.960	14.955	15.012	VV	807	17155	1.13%	0.032%
275	15.022	15.012	15.042	VV	522	8326	0.55%	0.016%
276	15.062	15.042	15.113	VV	2211	41142	2.72%	0.078%
277	15.148	15.113	15.159	VV	596	12176	0.80%	0.023%
278	15.163	15.159	15.168	VV	496	2323	0.15%	0.004%
279	15.173	15.168	15.189	VV	543	5135	0.34%	0.010%
280	15.197	15.189	15.207	VV	409	3812	0.25%	0.007%
281	15.215	15.207	15.227	VV	458	4050	0.27%	0.008%
282	15.233	15.227	15.241	VV	386	2950	0.20%	0.006%
283	15.254	15.241	15.266	VV	510	6388	0.42%	0.012%
284	15.285	15.266	15.294	VV	646	7696	0.51%	0.015%
285	15.300	15.294	15.318	VV	672	6853	0.45%	0.013%
286	15.327	15.318	15.340	VV	572	6119	0.40%	0.012%
287	15.367	15.340	15.383	VV	677	13633	0.90%	0.026%
288	15.388	15.383	15.409	VV	618	7207	0.48%	0.014%
289	15.444	15.409	15.452	VV	673	13081	0.86%	0.025%
290	15.460	15.452	15.485	VV	643	8215	0.54%	0.016%
291	15.494	15.485	15.503	VV	488	4308	0.28%	0.008%
292	15.524	15.503	15.536	VV	603	8951	0.59%	0.017%
293	15.560	15.536	15.599	VV	3159	49632	3.28%	0.094%
294	15.604	15.599	15.612	VV	484	3295	0.22%	0.006%
295	15.620	15.612	15.627	VV	460	3717	0.25%	0.007%
296	15.630	15.627	15.642	VV	527	3306	0.22%	0.006%
297	15.647	15.642	15.652	VV	377	1919	0.13%	0.004%
298	15.665	15.652	15.682	VV	369	3801	0.25%	0.007%
299	15.712	15.682	15.722	PV	510	7622	0.50%	0.014%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

300	15.731	15.722	15.750	VV	452	6454	0.43%	0.012%
301	15.760	15.750	15.805	VV	479	9732		
302	15.820	15.805	15.837	VV	359	4553		
303	15.853	15.837	15.881	VV	483	7480		
304	15.891	15.881	15.911	VV	350	4370		
305	15.930	15.911	15.947	VV	513	7668		
306	15.956	15.947	15.968	VV	646	4768	0.32%	0.009%
307	15.983	15.968	15.998	VV	455	5043	0.33%	0.010%
308	16.007	15.998	16.013	VV	391	2186	0.14%	0.004%
309	16.041	16.013	16.064	VV	2822	40984	2.71%	0.078%
310	16.069	16.064	16.074	VV	349	1719	0.11%	0.003%
311	16.079	16.074	16.088	VV	380	2447	0.16%	0.005%
312	16.094	16.088	16.103	VV	524	3223	0.21%	0.006%
313	16.113	16.103	16.139	VV	633	9510	0.63%	0.018%
314	16.147	16.139	16.155	VV	485	3168	0.21%	0.006%
315	16.167	16.155	16.175	VV	467	3538	0.23%	0.007%
316	16.217	16.175	16.233	VV	462	12165	0.80%	0.023%
317	16.239	16.233	16.248	VV	526	3306	0.22%	0.006%
318	16.259	16.248	16.263	VV	419	3489	0.23%	0.007%
319	16.265	16.263	16.292	VV	504	6105	0.40%	0.012%

Sum of corrected areas: 52861623

Aromatic EPH 102324.M Tue Nov 12 04:07:37 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-2DL2		SDG No.:	P4721	
Lab Sample ID:	P4721-02DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83	
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
FC067691.D	50	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	180		22.9	60.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	441		14.4	40.1	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	96.0		18.0	60.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	48.1	U	48.1	80.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	108	U	108	120	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.84		40 - 140	84%	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:	P4721-02DL2	Acq On:	11 Nov 2024 12:15
Client Sample ID:	EX-2-TPH-2DL2	Operator:	YP/AJ
Data file:	FC067691.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.170	6.450	6106247	45.075	300	ug/ml
Aliphatic C12-C16	6.451	9.840	14480197	109.964	200	ug/ml
Aliphatic C16-C21	9.841	13.198	3045032	23.932	300	ug/ml
Aliphatic C21-C28	13.199	16.853	331331	2.759	400	ug/ml
Aliphatic C28-C40	16.854	21.695	94115	0.931	600	ug/ml
Aliphatic EPH	3.170	21.695	24056922	182.661		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	90195	0.84		ug/ml
Aliphatic C9-C28	3.170	16.853	23962807	181.73	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067691.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 12:15
Operator : YP/AJ
Sample : P4721-02DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:44:19 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...	12.929	90195	0.835 ug/mlm
Spiked Amount 50.000		Recovery =	1.67%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067691.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 12:15
Operator : YP/AJ
Sample : P4721-02DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

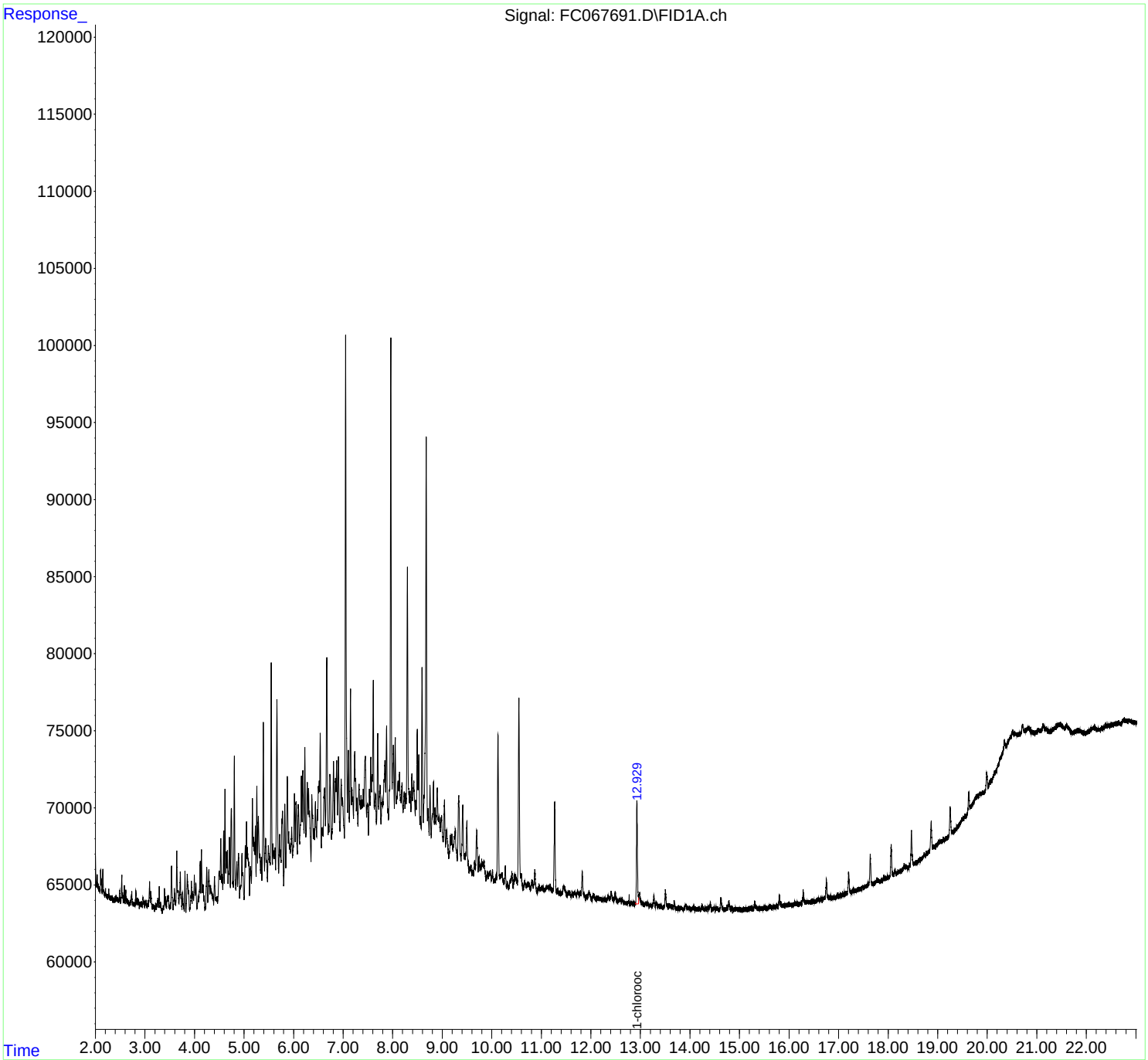
Instrument :
FID_C
ClientSampleId :
EX-2-TPH-2DL2

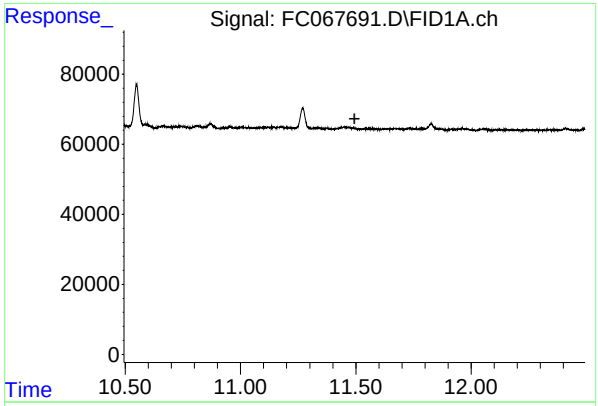
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:44:19 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





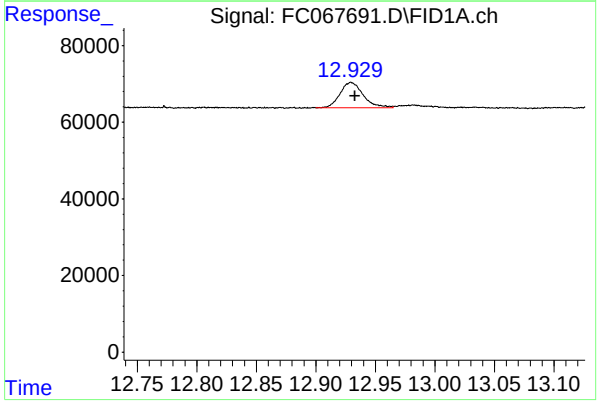
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 mi
Response: 0
Conc: N.D.

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.929 min
Delta R.T.: -0.004 min
Response: 90195
Conc: 0.84 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11112
Data File : FC067691.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 12:15
Sample : P4721-02DL2 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: sample.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	3.215	3.154	3.228	BV	232	1165	0.18%	0.005%
2	3.260	3.228	3.273	VV	686	9489	1.46%	0.039%
3	3.288	3.273	3.305	VV	1476	14397	2.21%	0.060%
4	3.314	3.305	3.348	VV	425	6032	0.93%	0.025%
5	3.394	3.348	3.407	PV	1475	17795	2.73%	0.074%
6	3.418	3.407	3.433	VV	936	9890	1.52%	0.041%
7	3.449	3.433	3.458	VV	924	9775	1.50%	0.041%
8	3.471	3.458	3.497	VV	1004	15469	2.37%	0.064%
9	3.509	3.497	3.517	VV	479	4273	0.66%	0.018%
10	3.535	3.517	3.567	VV	2911	38256	5.87%	0.159%
11	3.596	3.567	3.621	VV	1226	22933	3.52%	0.095%
12	3.642	3.621	3.685	VV	3887	62873	9.65%	0.261%
13	3.713	3.685	3.745	VV	2563	43582	6.69%	0.181%
14	3.760	3.745	3.789	VV	1252	16545	2.54%	0.069%
15	3.808	3.789	3.827	VV	2544	23121	3.55%	0.096%
16	3.855	3.827	3.901	VV	2439	50982	7.82%	0.212%
17	3.938	3.901	3.952	VV	1985	26570	4.08%	0.110%
18	3.964	3.952	3.980	VV	1240	17214	2.64%	0.072%
19	3.997	3.980	4.016	VV	2318	31849	4.89%	0.132%
20	4.029	4.016	4.054	VV	1867	23170	3.55%	0.096%
21	4.074	4.054	4.084	VV	989	12806	1.96%	0.053%
22	4.113	4.084	4.126	VV	3256	44219	6.78%	0.184%
23	4.140	4.126	4.164	VV	3943	52783	8.10%	0.219%
24	4.175	4.164	4.214	VV	1729	29236	4.49%	0.122%
25	4.248	4.214	4.268	VV	2838	43199	6.63%	0.180%
26	4.288	4.268	4.311	VV	2644	42877	6.58%	0.178%
27	4.325	4.311	4.358	VV	1700	37242	5.71%	0.155%
28	4.371	4.358	4.386	VV	1078	15167	2.33%	0.063%
29	4.404	4.386	4.444	VV	2225	41514	6.37%	0.173%
30	4.453	4.444	4.466	VV	903	10896	1.67%	0.045%
31	4.495	4.466	4.513	VV	2575	52529	8.06%	0.218%
32	4.531	4.513	4.572	VV	4744	96066	14.74%	0.399%
33	4.588	4.572	4.600	VV	5162	54686	8.39%	0.227%
34	4.615	4.600	4.630	VV	7944	84527	12.97%	0.351%
35	4.642	4.630	4.677	VV	3842	88511	13.58%	0.368%
36	4.705	4.677	4.721	VV	4718	82190	12.61%	0.342%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

37	4.743	4.721	4.783	VV	6603	137329	21.07%	0.571%
38	4.804	4.783	4.833	VV	9978	130215	19	
39	4.854	4.833	4.868	VV	3160	48536	7	
40	4.889	4.868	4.910	VV	3731	66516	10	
41	4.957	4.910	5.001	VV	3727	108755	16	
42	5.025	5.001	5.036	VV	4266	56409	8	
43	5.049	5.036	5.112	VV	5687	160937	24.69%	0.669%
44	5.129	5.112	5.148	VV	2877	49347	7.57%	0.205%
45	5.169	5.148	5.199	VV	7255	141248	21.67%	0.587%
46	5.228	5.199	5.242	VV	5509	109182	16.75%	0.454%
47	5.258	5.242	5.273	VV	8055	96267	14.77%	0.400%
48	5.289	5.273	5.334	VV	6157	155094	23.79%	0.645%
49	5.347	5.334	5.360	VV	3513	45453	6.97%	0.189%
50	5.390	5.360	5.414	VV	12318	188892	28.98%	0.785%
51	5.437	5.414	5.473	VV	4730	124971	19.17%	0.519%
52	5.492	5.473	5.508	VV	4259	72075	11.06%	0.300%
53	5.516	5.508	5.526	VV	3481	37306	5.72%	0.155%
54	5.549	5.526	5.572	VV	16168	216053	33.14%	0.898%
55	5.584	5.572	5.608	VV	4328	83076	12.74%	0.345%
56	5.622	5.608	5.636	VV	3935	61467	9.43%	0.256%
57	5.664	5.636	5.699	VV	13662	253462	38.88%	1.054%
58	5.717	5.699	5.745	VV	4947	105213	16.14%	0.437%
59	5.777	5.745	5.800	VV	6526	152682	23.42%	0.635%
60	5.823	5.800	5.843	VV	6903	110088	16.89%	0.458%
61	5.874	5.843	5.935	VV	8702	285800	43.84%	1.188%
62	5.961	5.935	5.979	VV	5399	119346	18.31%	0.496%
63	6.017	5.979	6.034	VV	7558	172156	26.41%	0.716%
64	6.051	6.034	6.075	VV	7079	137946	21.16%	0.573%
65	6.096	6.075	6.119	VV	6860	148945	22.85%	0.619%
66	6.156	6.119	6.171	VV	8762	194882	29.90%	0.810%
67	6.185	6.171	6.210	VV	9012	172045	26.39%	0.715%
68	6.228	6.210	6.249	VV	10640	170270	26.12%	0.708%
69	6.277	6.249	6.291	VV	8314	168512	25.85%	0.700%
70	6.303	6.291	6.351	VV	7858	214113	32.85%	0.890%
71	6.369	6.351	6.399	VV	7453	165145	25.33%	0.686%
72	6.409	6.399	6.421	VV	5332	69005	10.59%	0.287%
73	6.439	6.421	6.463	VV	6970	143681	22.04%	0.597%
74	6.538	6.463	6.560	VV	11462	433153	66.45%	1.801%
75	6.571	6.560	6.594	VV	5383	103300	15.85%	0.429%
76	6.623	6.594	6.643	VV	7967	202018	30.99%	0.840%
77	6.670	6.643	6.699	VV	16461	321794	49.37%	1.338%
78	6.709	6.699	6.714	VV	5581	50533	7.75%	0.210%
79	6.735	6.714	6.764	VV	8814	209330	32.11%	0.870%
80	6.807	6.764	6.826	VV	9650	248785	38.17%	1.034%
81	6.845	6.826	6.856	VV	8626	137902	21.16%	0.573%
82	6.870	6.856	6.886	VV	9738	150981	23.16%	0.628%
83	6.906	6.886	6.934	VV	10004	220641	33.85%	0.917%
84	6.962	6.934	7.028	VV	8535	367775	56.42%	1.529%
85	7.051	7.028	7.088	VV	37431	589425	90.42%	2.450%
86	7.105	7.088	7.125	VV	10340	177852	27.28%	0.739%
87	7.150	7.125	7.168	VV	14220	244998	37.58%	1.018%
88	7.178	7.168	7.208	VV	7931	176073	27.01%	0.732%
89	7.234	7.208	7.269	VV	10300	302253	46.37%	1.256%

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90	7.280	7.269	7.298	VV	7339	118662	18.20%	0.493%
91	7.321	7.298	7.348	VV	8202	213830	32	
92	7.360	7.348	7.372	VV	7439	98355	15	
93	7.383	7.372	7.390	VV	7071	77975	11	
94	7.405	7.390	7.417	VV	7815	117105	17	
95	7.447	7.417	7.475	VV	10018	290506	44	
96	7.491	7.475	7.512	VV	6953	139212	21.36%	0.579%
97	7.531	7.512	7.542	VV	7829	122011	18.72%	0.507%
98	7.558	7.542	7.572	VV	9943	157083	24.10%	0.653%
99	7.609	7.572	7.630	VV	14873	343286	52.66%	1.427%
100	7.649	7.630	7.673	VV	7519	173219	26.57%	0.720%
101	7.699	7.673	7.719	VV	11435	231043	35.44%	0.960%
102	7.744	7.719	7.764	VV	8044	193008	29.61%	0.802%
103	7.785	7.764	7.797	VV	7257	136296	20.91%	0.567%
104	7.843	7.797	7.858	VV	9753	299872	46.00%	1.247%
105	7.877	7.858	7.917	VV	11989	294528	45.18%	1.224%
106	7.963	7.917	7.991	VV	36883	648316	99.46%	2.695%
107	8.014	7.991	8.034	VV	10704	235599	36.14%	0.979%
108	8.051	8.034	8.073	VV	11215	204474	31.37%	0.850%
109	8.137	8.073	8.167	VV	8914	438980	67.34%	1.825%
110	8.187	8.167	8.209	VV	8271	187743	28.80%	0.780%
111	8.235	8.209	8.248	VV	7686	168858	25.90%	0.702%
112	8.262	8.248	8.273	VV	7570	107651	16.51%	0.447%
113	8.298	8.273	8.341	VV	22359	468419	71.86%	1.947%
114	8.353	8.341	8.369	VV	7689	121127	18.58%	0.503%
115	8.387	8.369	8.408	VV	8912	179169	27.49%	0.745%
116	8.426	8.408	8.455	VV	8402	215261	33.02%	0.895%
117	8.468	8.455	8.478	VV	7144	92090	14.13%	0.383%
118	8.496	8.478	8.511	VV	11774	184184	28.26%	0.766%
119	8.527	8.511	8.551	VV	10110	196789	30.19%	0.818%
120	8.560	8.551	8.572	VV	6062	73346	11.25%	0.305%
121	8.594	8.572	8.618	VV	15592	263392	40.41%	1.095%
122	8.678	8.618	8.704	VV	30703	651860	100.00%	2.710%
123	8.715	8.704	8.736	VV	6656	112657	17.28%	0.468%
124	8.755	8.736	8.777	VV	8150	160111	24.56%	0.666%
125	8.823	8.777	8.841	VV	8370	246478	37.81%	1.025%
126	8.856	8.841	8.873	VV	6653	117170	17.97%	0.487%
127	8.899	8.873	8.924	VV	7911	205641	31.55%	0.855%
128	8.937	8.924	8.961	VV	6051	128960	19.78%	0.536%
129	8.987	8.961	9.021	VV	6086	195626	30.01%	0.813%
130	9.045	9.021	9.069	VV	7103	162390	24.91%	0.675%
131	9.089	9.069	9.133	VV	5227	170952	26.23%	0.711%
132	9.164	9.133	9.181	VV	4875	120499	18.49%	0.501%
133	9.196	9.181	9.215	VV	4941	91943	14.10%	0.382%
134	9.262	9.215	9.304	VV	5264	233602	35.84%	0.971%
135	9.333	9.304	9.380	VV	7365	230822	35.41%	0.959%
136	9.415	9.380	9.442	VV	6792	175407	26.91%	0.729%
137	9.456	9.442	9.465	VV	3660	49169	7.54%	0.204%
138	9.497	9.465	9.540	VV	5713	176120	27.02%	0.732%
139	9.578	9.540	9.611	VV	2864	113765	17.45%	0.473%
140	9.617	9.611	9.628	VV	2585	25022	3.84%	0.104%
141	9.652	9.628	9.668	VV	3146	68904	10.57%	0.286%

Manual IntegrationsAPPROVED

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142	9.695	9.668	9.726	VV	5193	131009	20.10%	0.545%
143	9.741	9.726	9.780	VV	3429	96665	14	
144	9.798	9.780	9.809	VV	3262	51943	7	
145	9.817	9.809	9.828	VV	3106	35280	5	
146	9.843	9.828	9.884	VV	3224	90019	13	
147	9.909	9.884	9.938	VV	2526	72496	11	
148	9.971	9.938	9.998	VV	2547	84420	12.95%	0.351%
149	10.015	9.998	10.044	VV	2625	61458	9.43%	0.255%
150	10.064	10.044	10.073	VV	1988	35174	5.40%	0.146%
151	10.087	10.073	10.096	VV	2295	29479	4.52%	0.123%
152	10.127	10.096	10.158	VV	11395	201773	30.95%	0.839%
153	10.200	10.158	10.242	VV	2422	110264	16.92%	0.458%
154	10.273	10.242	10.296	VV	2792	69249	10.62%	0.288%
155	10.314	10.296	10.338	VV	1827	41606	6.38%	0.173%
156	10.407	10.338	10.434	VV	2475	110476	16.95%	0.459%
157	10.456	10.434	10.465	VV	2339	37139	5.70%	0.154%
158	10.474	10.465	10.514	VV	2305	61991	9.51%	0.258%
159	10.549	10.514	10.584	VV	13834	247686	38.00%	1.030%
160	10.592	10.584	10.624	VV	2352	47304	7.26%	0.197%
161	10.665	10.624	10.700	VV	1834	75020	11.51%	0.312%
162	10.748	10.700	10.781	VV	1800	80325	12.32%	0.334%
163	10.813	10.781	10.836	VV	1920	55423	8.50%	0.230%
164	10.869	10.836	10.913	VV	2598	82165	12.60%	0.342%
165	10.955	10.913	10.988	VV	1659	63949	9.81%	0.266%
166	11.009	10.988	11.068	VV	1504	67527	10.36%	0.281%
167	11.143	11.068	11.154	VV	1564	76825	11.79%	0.319%
168	11.175	11.154	11.241	VV	1669	74362	11.41%	0.309%
169	11.270	11.241	11.309	VV	7028	132857	20.38%	0.552%
170	11.331	11.309	11.358	VV	1385	37368	5.73%	0.155%
171	11.377	11.358	11.400	VV	1221	28304	4.34%	0.118%
172	11.453	11.400	11.512	VV	1571	87133	13.37%	0.362%
173	11.546	11.512	11.561	VV	1233	32116	4.93%	0.133%
174	11.573	11.561	11.603	VV	1130	26747	4.10%	0.111%
175	11.623	11.603	11.632	VV	1132	18729	2.87%	0.078%
176	11.639	11.632	11.648	VV	1104	10023	1.54%	0.042%
177	11.672	11.648	11.710	VV	1157	41153	6.31%	0.171%
178	11.730	11.710	11.767	VV	1255	37709	5.78%	0.157%
179	11.784	11.767	11.798	VV	1158	21111	3.24%	0.088%
180	11.827	11.798	11.854	VV	2471	54646	8.38%	0.227%
181	11.863	11.854	11.894	VV	1115	22679	3.48%	0.094%
182	11.962	11.894	12.020	VV	1177	71767	11.01%	0.298%
183	12.050	12.020	12.091	VV	995	36935	5.67%	0.154%
184	12.125	12.091	12.144	VV	873	25591	3.93%	0.106%
185	12.151	12.144	12.171	VV	888	12889	1.98%	0.054%
186	12.179	12.171	12.194	VV	743	10523	1.61%	0.044%
187	12.203	12.194	12.220	VV	786	11305	1.73%	0.047%
188	12.232	12.220	12.270	VV	755	21651	3.32%	0.090%
189	12.280	12.270	12.295	VV	819	10805	1.66%	0.045%
190	12.302	12.295	12.318	VV	702	9617	1.48%	0.040%
191	12.352	12.318	12.381	VV	889	29715	4.56%	0.124%
192	12.409	12.381	12.464	VV	1146	42611	6.54%	0.177%
193	12.490	12.464	12.561	VV	1106	43254	6.64%	0.180%
194	12.589	12.561	12.617	VV	703	22075	3.39%	0.092%

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195	12.635	12.617	12.735	VV	707	38297	5.87%	0.159%
196	12.772	12.735	12.782	VV	585	14756	2	
197	12.808	12.782	12.886	VV	509	28031	4	
198	12.930	12.886	12.964	VV	6993	110284	16	
199	12.982	12.964	13.052	VV	1113	36359	5	
200	13.062	13.052	13.084	VV	444	7337	1	
201	13.104	13.084	13.148	VV	478	16361	2.51%	0.068%
202	13.153	13.148	13.177	VV	453	6513	1.00%	0.027%
203	13.194	13.177	13.240	VV	353	11651	1.79%	0.048%
204	13.273	13.240	13.299	VV	894	18348	2.81%	0.076%
205	13.325	13.299	13.361	VV	457	13189	2.02%	0.055%
206	13.369	13.361	13.391	VV	300	4828	0.74%	0.020%
207	13.407	13.391	13.451	VV	376	8297	1.27%	0.034%
208	13.504	13.451	13.573	VV	1200	30919	4.74%	0.129%
209	13.597	13.573	13.659	VV	357	13150	2.02%	0.055%
210	13.681	13.659	13.718	VV	470	8838	1.36%	0.037%
211	13.726	13.718	13.812	VV	180	7900	1.21%	0.033%
212	13.822	13.812	13.864	VV	184	3726	0.57%	0.015%
213	13.910	13.864	13.954	VV	315	10197	1.56%	0.042%
214	13.967	13.954	13.998	VV	198	3752	0.58%	0.016%
215	14.002	13.998	14.019	VV	153	1397	0.21%	0.006%
216	14.090	14.019	14.168	VV	222	10150	1.56%	0.042%
217	14.186	14.168	14.218	VV	125	2149	0.33%	0.009%
218	14.245	14.218	14.288	VV	308	5883	0.90%	0.024%
219	14.303	14.288	14.327	VV	163	1881	0.29%	0.008%
220	14.373	14.327	14.384	VV	214	3955	0.61%	0.016%
221	14.411	14.384	14.467	VV	507	9310	1.43%	0.039%
222	14.492	14.467	14.511	VV	229	3228	0.50%	0.013%
223	14.524	14.511	14.550	PV	194	2292	0.35%	0.010%
224	14.560	14.550	14.604	VV	217	2186	0.34%	0.009%
225	14.624	14.604	14.703	VV	713	14172	2.17%	0.059%
226	14.719	14.703	14.727	VV	76	762	0.12%	0.003%
227	14.786	14.727	14.812	VV	562	12174	1.87%	0.051%
228	14.820	14.812	14.841	VV	102	1650	0.25%	0.007%
229	14.848	14.841	14.881	VV	106	1438	0.22%	0.006%
230	14.921	14.881	15.021	VV	130	4042	0.62%	0.017%
231	15.033	15.021	15.089	PV	81	1537	0.24%	0.006%
232	15.094	15.089	15.183	VV	64	1948	0.30%	0.008%
233	15.192	15.183	15.198	VV	141	611	0.09%	0.003%
234	15.209	15.198	15.255	VV	141	2966	0.46%	0.012%
235	15.262	15.255	15.277	VV	125	1064	0.16%	0.004%
236	15.305	15.277	15.378	VV	505	10950	1.68%	0.046%
237	15.401	15.378	15.451	VV	135	3296	0.51%	0.014%
238	15.460	15.451	15.494	VV	150	2061	0.32%	0.009%
239	15.502	15.494	15.526	VV	124	1833	0.28%	0.008%
240	15.535	15.526	15.551	VV	141	942	0.14%	0.004%
241	15.611	15.551	15.657	PV	243	7631	1.17%	0.032%
242	15.699	15.657	15.724	VV	142	3436	0.53%	0.014%
243	15.803	15.724	15.888	VV	809	20393	3.13%	0.085%
244	15.897	15.888	15.908	VV	81	854	0.13%	0.004%
245	15.915	15.908	15.921	VV	72	397	0.06%	0.002%
246	15.943	15.921	15.964	VV	153	2328	0.36%	0.010%

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247	15.979	15.964	16.018	VV	125	2958	0.45%	0.012%
248	16.037	16.018	16.093	VV	117	2132	0	
249	16.115	16.093	16.140	VV	187	2980	0	
250	16.163	16.140	16.172	VV	159	1455	0	
251	16.199	16.172	16.207	VV	76	931	0	
252	16.245	16.207	16.258	VV	149	1604	0	
253	16.286	16.258	16.321	VV	826	12062	1.85%	0.050%
254	16.335	16.321	16.349	VV	138	1478	0.23%	0.006%
255	16.375	16.349	16.398	VV	95	2126	0.33%	0.009%
256	16.411	16.398	16.431	VV	127	1220	0.19%	0.005%
257	16.442	16.431	16.451	PV	124	972	0.15%	0.004%
258	16.475	16.451	16.514	VV	161	2700	0.41%	0.011%
259	16.546	16.514	16.560	VV	107	1359	0.21%	0.006%
260	16.646	16.560	16.671	VV	199	6030	0.93%	0.025%
261	16.678	16.671	16.691	VV	94	1091	0.17%	0.005%
262	16.753	16.691	16.826	VV	1323	26587	4.08%	0.111%
263	16.835	16.826	16.860	VV	136	1586	0.24%	0.007%
264	16.884	16.860	16.933	VV	124	2806	0.43%	0.012%
265	16.987	16.933	17.007	PV	202	4185	0.64%	0.017%
266	17.045	17.007	17.064	VV	225	3985	0.61%	0.017%
267	17.116	17.064	17.131	VV	203	6193	0.95%	0.026%
268	17.163	17.131	17.174	VV	257	4642	0.71%	0.019%
269	17.202	17.174	17.257	VV	1482	27007	4.14%	0.112%
270	17.306	17.257	17.328	VV	360	10578	1.62%	0.044%
271	17.352	17.328	17.364	VV	285	5028	0.77%	0.021%
272	17.411	17.364	17.420	VV	339	9118	1.40%	0.038%
273	17.431	17.420	17.443	VV	291	3821	0.59%	0.016%
274	17.487	17.443	17.528	VV	398	16752	2.57%	0.070%

Sum of corrected areas: 24056920

Aliphatic EPH 102324.M Tue Nov 12 01:32:02 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-2-TPH-3			SDG No.:	P4721
Lab Sample ID:	P4721-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.3
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/08/24 08:47	11/11/24 9:41	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	66.1		20	8.60	22.6	mg/kg	FE051138.D
Aliphatic C12-C16	Aliphatic C12-C16	190		20	5.43	15.1	mg/kg	FE051138.D
Aliphatic C16-C21	Aliphatic C16-C21	128		20	6.79	22.6	mg/kg	FE051138.D
Aliphatic C21-C28	Aliphatic C21-C28	25.8		1	0.91	1.51	mg/kg	FE051125.D
Aliphatic C28-C40	Aliphatic C28-C40	36.0		1	2.04	2.26	mg/kg	FE051125.D
Aromatic C10-C12	Aromatic C10-C12	28.7		5	1.70	3.77	mg/kg	FD048693.D
Aromatic C12-C16	Aromatic C12-C16	74.2		5	1.92	5.66	mg/kg	FD048693.D
Aromatic C16-C21	Aromatic C16-C21	157		5	5.43	9.43	mg/kg	FD048693.D
Aromatic C21-C36	Aromatic C21-C36	40.4		1	2.26	3.02	mg/kg	FD048683.D
Total AliphaticEPH	Total AliphaticEPH	446			23.8	64.1	mg/kg	
Total AromaticEPH	Total AromaticEPH	300			11.3	21.9	mg/kg	
Total EPH	Total EPH	746			35.1	86.0	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.3	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048683.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	24.6	E	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	61.1	E	0.39	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	141	E	1.09	1.89	mg/kg
Aromatic C21-C36	Aromatic C21-C36	40.4		2.26	3.02	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	70.3		40 - 140	140%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	67.3		40 - 140	135%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.7		40 - 140	91%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-03	Acq On:	08 Nov 2024 22:23
Client Sample ID:	EX-2-TPH-3	Operator:	YP/AJ
Data file:	FD048683.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	57378489	325.639	200	ug/ml
Aromatic C12-C16	5.811	8.415	143510715	809.544	300	ug/ml
Aromatic C16-C21	8.416	12.678	306677727	1870	500	ug/ml
Aromatic C21-C36	12.679	18.083	81828607	535.832	800	ug/ml
Aromatic EPH	4.092	18.083	589395538	3540		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	10661892	70.25		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	6610592	67.32		ug/ml
ortho-Terphenyl (SURR)	11.261	11.261	7787045	45.71		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048683.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 22:23
Operator : YP/AJ
Sample : P4721-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:09:01 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	10661892	70.246 ug/mlm
Spiked Amount 50.000		Recovery = 140.49%	
6) S 2-Flurobiphenyl (SURR)	8.225	6610592	67.323 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 134.65%#	
11) S ortho-Terphenyl (SURR)	11.261	7787045	45.715 ug/mlm
Spiked Amount 50.000		Recovery = 91.43%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048683.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 22:23
Operator : YP/AJ
Sample : P4721-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

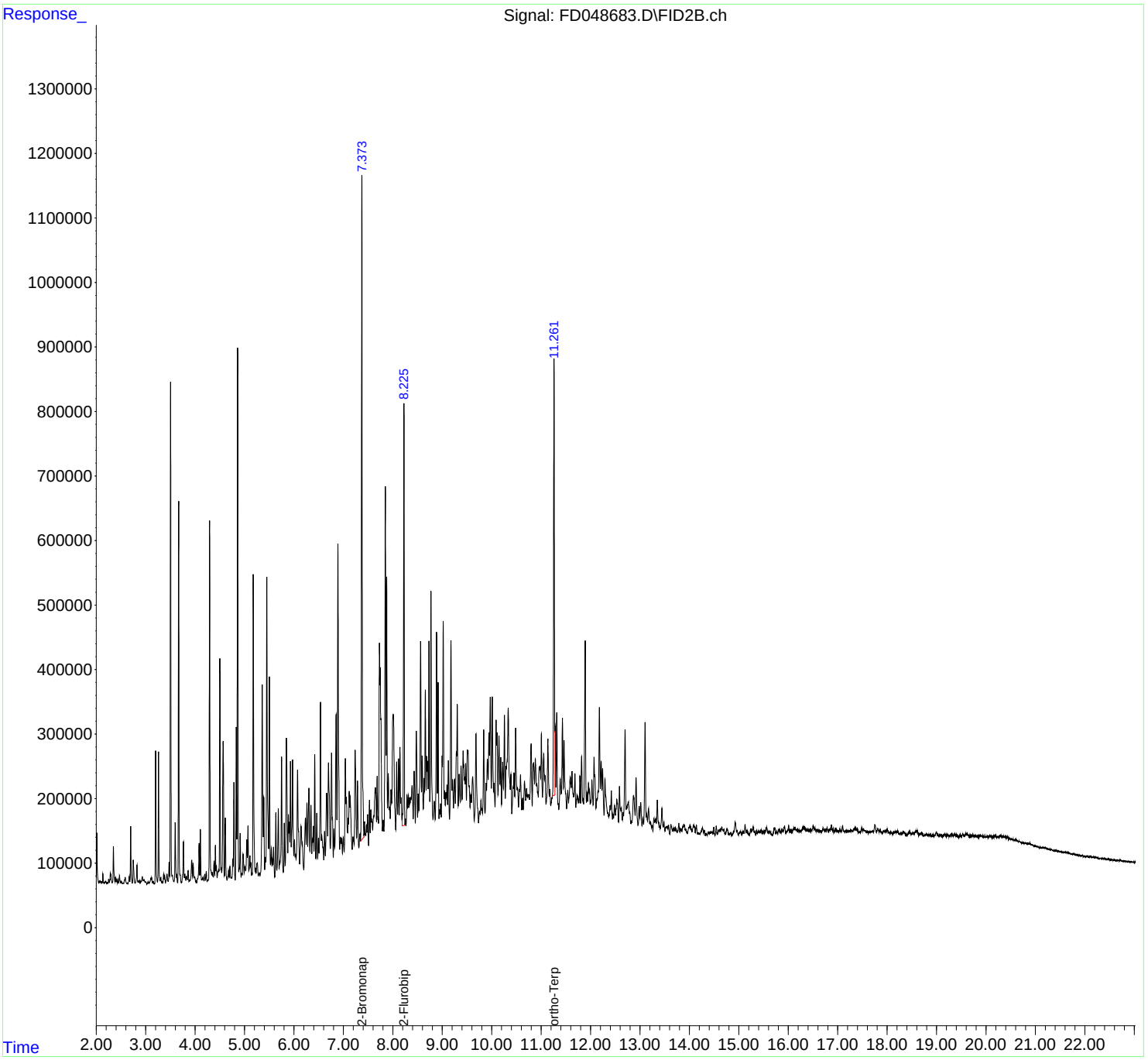
Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

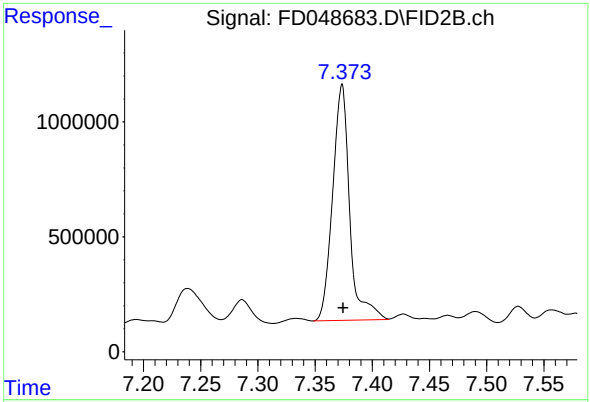
Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:09:01 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





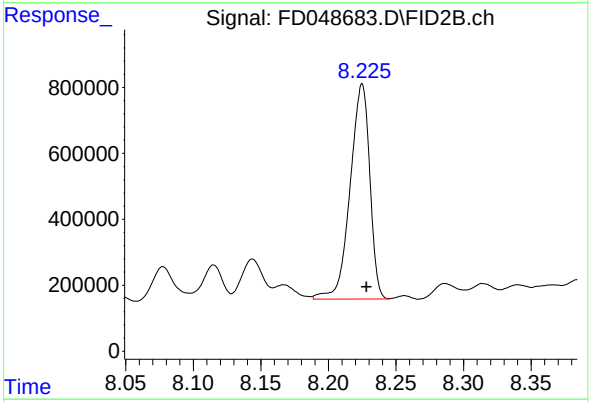
#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.001 min
Response: 10661892
Conc: 70.25 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

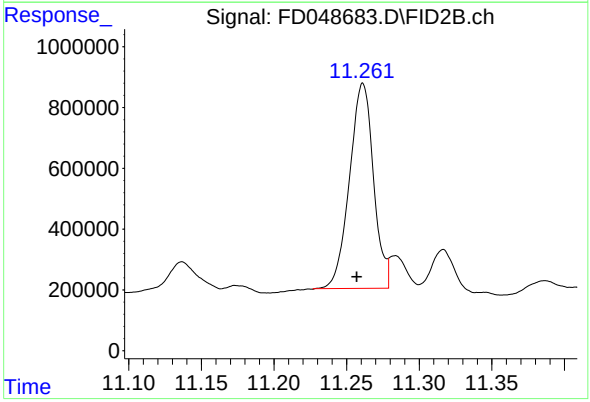
Manual Integrations APPROVED

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



#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: -0.003 min
Response: 6610592
Conc: 67.32 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.004 min
Response: 7787045
Conc: 45.71 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048683.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 22:23
Sample : P4721-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.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	4.081	4.042	4.093	PV	51838	445242	3.51%	0.071%
2	4.107	4.093	4.131	PV	73494	610348	4.82%	0.098%
3	4.160	4.131	4.179	PV	5308	58129	0.46%	0.009%
4	4.195	4.179	4.208	PV	10169	85990	0.68%	0.014%
5	4.226	4.208	4.243	VV	15629	148910	1.18%	0.024%
6	4.256	4.243	4.262	PV	2489	17672	0.14%	0.003%
7	4.293	4.262	4.335	VV	558166	4947917	39.06%	0.793%
8	4.345	4.335	4.366	VV	13940	194440	1.53%	0.031%
9	4.384	4.366	4.396	VV	31602	331996	2.62%	0.053%
10	4.410	4.396	4.423	VV	55707	515939	4.07%	0.083%
11	4.430	4.423	4.446	VV	23768	218535	1.73%	0.035%
12	4.463	4.446	4.470	VV	14984	165121	1.30%	0.026%
13	4.479	4.470	4.483	VV	17348	125147	0.99%	0.020%
14	4.501	4.483	4.521	VV	344027	3054729	24.11%	0.489%
15	4.528	4.521	4.538	VV	20087	177416	1.40%	0.028%
16	4.567	4.538	4.593	VV	216314	3037501	23.98%	0.487%
17	4.611	4.593	4.645	VV	97092	980931	7.74%	0.157%
18	4.677	4.645	4.690	VV	15611	201882	1.59%	0.032%
19	4.704	4.690	4.723	VV	21452	230401	1.82%	0.037%
20	4.731	4.723	4.742	VV	4506	42573	0.34%	0.007%
21	4.762	4.742	4.770	VV	32160	294448	2.32%	0.047%
22	4.785	4.770	4.811	VV	151116	1455242	11.49%	0.233%
23	4.832	4.811	4.844	PV	236726	2030428	16.03%	0.325%
24	4.860	4.844	4.884	VV	823829	7441933	58.74%	1.192%
25	4.912	4.884	4.930	VV	72073	828525	6.54%	0.133%
26	4.944	4.930	4.953	VV	9856	113158	0.89%	0.018%
27	4.970	4.953	4.992	VV	39518	542207	4.28%	0.087%
28	5.005	4.992	5.023	VV	19948	287296	2.27%	0.046%
29	5.045	5.023	5.057	VV	61195	758872	5.99%	0.122%
30	5.069	5.057	5.086	VV	82620	834371	6.59%	0.134%
31	5.109	5.086	5.119	VV	36205	458174	3.62%	0.073%
32	5.127	5.119	5.141	VV	25333	226637	1.79%	0.036%
33	5.150	5.141	5.156	VV	8870	64600	0.51%	0.010%
34	5.176	5.156	5.213	VV	471093	4870891	38.45%	0.780%
35	5.223	5.213	5.234	VV	15855	157950	1.25%	0.025%
36	5.258	5.234	5.280	VV	23576	430919	3.40%	0.069%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/11/2024

rteres

37	5.301	5.280	5.313	VV	8015	121875	0.96%	0.020%
38	5.357	5.313	5.379	VV	300048	3808739	30	
39	5.390	5.379	5.408	VV	125213	1260662	9	
40	5.421	5.408	5.431	VV	31689	362732	2	
41	5.450	5.431	5.488	VV	466323	5720859	45	
42	5.504	5.488	5.526	VV	311112	2980229	23	
43	5.542	5.526	5.556	VV	46043	560265	4.42%	0.090%
44	5.565	5.556	5.574	VV	27912	251086	1.98%	0.040%
45	5.586	5.574	5.611	VV	47035	537275	4.24%	0.086%
46	5.633	5.611	5.653	VV	100412	970523	7.66%	0.156%
47	5.683	5.653	5.701	VV	106169	1359819	10.73%	0.218%
48	5.711	5.701	5.717	VV	22920	193741	1.53%	0.031%
49	5.750	5.717	5.784	VV	185775	2429790	19.18%	0.389%
50	5.804	5.784	5.821	VV	83091	879666	6.94%	0.141%
51	5.846	5.821	5.875	VV	213749	3553329	28.05%	0.569%
52	5.888	5.875	5.897	VV	95821	943545	7.45%	0.151%
53	5.906	5.897	5.916	VV	84214	799707	6.31%	0.128%
54	5.929	5.916	5.945	VV	177535	1858850	14.67%	0.298%
55	5.972	5.945	5.998	VV	180256	2799693	22.10%	0.449%
56	6.011	5.998	6.024	VV	56606	669094	5.28%	0.107%
57	6.031	6.024	6.042	VV	33444	334007	2.64%	0.054%
58	6.073	6.042	6.115	VV	163766	3107761	24.53%	0.498%
59	6.144	6.115	6.165	VV	76450	1520799	12.00%	0.244%
60	6.170	6.165	6.198	VV	49556	572209	4.52%	0.092%
61	6.232	6.198	6.246	VV	88580	1549744	12.23%	0.248%
62	6.263	6.246	6.278	VV	111721	1491243	11.77%	0.239%
63	6.303	6.278	6.322	VV	134890	2275316	17.96%	0.365%
64	6.344	6.322	6.361	VV	107923	1636018	12.91%	0.262%
65	6.374	6.361	6.380	VV	54195	532259	4.20%	0.085%
66	6.392	6.380	6.405	VV	75082	904061	7.14%	0.145%
67	6.421	6.405	6.442	VV	186253	2035258	16.07%	0.326%
68	6.462	6.442	6.480	VV	94675	1233480	9.74%	0.198%
69	6.497	6.480	6.509	VV	56503	722040	5.70%	0.116%
70	6.537	6.509	6.554	VV	266342	3261072	25.74%	0.523%
71	6.562	6.554	6.604	VV	60203	1335941	10.55%	0.214%
72	6.620	6.604	6.636	VV	66061	867056	6.84%	0.139%
73	6.662	6.636	6.682	VV	124929	2350200	18.55%	0.377%
74	6.699	6.682	6.736	VV	171699	3464716	27.35%	0.555%
75	6.761	6.736	6.796	VV	186922	3383266	26.71%	0.542%
76	6.810	6.796	6.825	VV	69122	865494	6.83%	0.139%
77	6.853	6.825	6.870	VV	245393	3710534	29.29%	0.595%
78	6.890	6.870	6.925	VV	509678	7037411	55.55%	1.128%
79	6.946	6.925	6.958	VV	55168	944304	7.45%	0.151%
80	6.967	6.958	6.982	VV	53348	629001	4.97%	0.101%
81	6.998	6.982	7.017	VV	54951	908724	7.17%	0.146%
82	7.040	7.017	7.053	VV	176520	2298591	18.14%	0.368%
83	7.061	7.053	7.086	VV	116212	1815913	14.33%	0.291%
84	7.098	7.086	7.105	VV	84059	824218	6.51%	0.132%
85	7.118	7.105	7.128	VV	125249	1440642	11.37%	0.231%
86	7.137	7.128	7.179	VV	117724	2375981	18.76%	0.381%
87	7.194	7.179	7.217	VV	54249	1077794	8.51%	0.173%
88	7.239	7.217	7.268	VV	188712	3516677	27.76%	0.563%
89	7.286	7.268	7.313	VV	140218	2198846	17.36%	0.352%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

Manual IntegrationsAPPROVED

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rteres

90	7.333	7.313	7.348	VV	58299	1030604	8.14%	0.165%
91	7.373	7.348	7.415	VV	1077366	12668410	100	
92	7.427	7.415	7.441	VV	76836	1036048	8	
93	7.446	7.441	7.453	VV	57763	396383	3	
94	7.466	7.453	7.475	VV	70797	847962	6	
95	7.490	7.475	7.510	VV	87115	1391839	10	
96	7.528	7.510	7.542	VV	109788	1481939	11.70%	0.237%
97	7.557	7.542	7.571	VV	94056	1404939	11.09%	0.225%
98	7.578	7.571	7.591	VV	79638	889473	7.02%	0.143%
99	7.612	7.591	7.617	VV	84838	1171135	9.24%	0.188%
100	7.643	7.617	7.650	VV	128052	2176196	17.18%	0.349%
101	7.656	7.650	7.670	VV	125614	1281589	10.12%	0.205%
102	7.684	7.670	7.710	VV	145904	2373269	18.73%	0.380%
103	7.730	7.710	7.739	VV	351305	3963480	31.29%	0.635%
104	7.745	7.739	7.790	VV	313918	5700589	45.00%	0.913%
105	7.806	7.790	7.820	VV	76948	1264642	9.98%	0.203%
106	7.849	7.820	7.863	VV	593778	7370968	58.18%	1.181%
107	7.875	7.863	7.893	VV	453189	4933690	38.94%	0.791%
108	7.908	7.893	7.925	VV	149201	2285453	18.04%	0.366%
109	7.935	7.925	7.947	VV	96953	1210131	9.55%	0.194%
110	7.962	7.947	7.977	VV	123336	1920571	15.16%	0.308%
111	8.008	7.977	8.058	VV	239791	7590759	59.92%	1.216%
112	8.078	8.058	8.099	VV	165637	2688105	21.22%	0.431%
113	8.115	8.099	8.128	VV	170606	2221307	17.53%	0.356%
114	8.144	8.128	8.159	VV	188287	2554134	20.16%	0.409%
115	8.167	8.159	8.186	VV	110065	1542258	12.17%	0.247%
116	8.225	8.186	8.245	VV	720952	8964037	70.76%	1.436%
117	8.256	8.245	8.267	VV	76666	930481	7.34%	0.149%
118	8.286	8.267	8.301	VV	113069	1922269	15.17%	0.308%
119	8.314	8.301	8.327	VV	113404	1624396	12.82%	0.260%
120	8.340	8.327	8.351	VV	109373	1438817	11.36%	0.231%
121	8.366	8.351	8.373	VV	108525	1408483	11.12%	0.226%
122	8.389	8.373	8.412	VV	127445	2614012	20.63%	0.419%
123	8.430	8.412	8.455	VV	149826	2917154	23.03%	0.467%
124	8.475	8.455	8.500	VV	211664	3877447	30.61%	0.621%
125	8.514	8.500	8.527	VV	114206	1545664	12.20%	0.248%
126	8.562	8.527	8.581	VV	350292	6160415	48.63%	0.987%
127	8.594	8.581	8.617	VV	172273	2790394	22.03%	0.447%
128	8.633	8.617	8.642	VV	137719	1739842	13.73%	0.279%
129	8.658	8.642	8.673	VV	274448	3592061	28.35%	0.576%
130	8.685	8.673	8.695	VV	171337	2005808	15.83%	0.321%
131	8.703	8.695	8.715	VV	163924	1754155	13.85%	0.281%
132	8.731	8.715	8.748	VV	348189	4208677	33.22%	0.674%
133	8.772	8.748	8.813	VV	427101	7227924	57.05%	1.158%
134	8.839	8.813	8.857	VV	100379	2296319	18.13%	0.368%
135	8.885	8.857	8.901	VV	362785	5156809	40.71%	0.826%
136	8.916	8.901	8.934	VV	284265	3358623	26.51%	0.538%
137	8.946	8.934	8.953	VV	87315	950559	7.50%	0.152%
138	8.966	8.953	8.979	VV	96479	1315437	10.38%	0.211%
139	8.997	8.979	9.003	VV	170531	1933496	15.26%	0.310%
140	9.020	9.003	9.039	VV	378589	5021211	39.64%	0.805%
141	9.047	9.039	9.061	VV	116248	1402297	11.07%	0.225%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3

Manual IntegrationsAPPROVED

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

rteres

142	9.074	9.061	9.083	VV	113529	1393792	11.00%	0.223%
143	9.095	9.083	9.107	VV	124967	1657930	13	
144	9.124	9.107	9.147	VV	162753	2776688	21	
145	9.176	9.147	9.197	VV	347458	5491594	43	
146	9.207	9.197	9.227	VV	132401	2133413	16	
147	9.247	9.227	9.265	VV	132456	2538499	20	
148	9.285	9.265	9.291	VV	175374	2191458	17.30%	0.351%
149	9.304	9.291	9.323	VV	248585	3413219	26.94%	0.547%
150	9.342	9.323	9.365	VV	140264	2874263	22.69%	0.461%
151	9.381	9.365	9.402	VV	152939	2692780	21.26%	0.431%
152	9.422	9.402	9.449	VV	175744	4035158	31.85%	0.647%
153	9.455	9.449	9.463	VV	133681	1082501	8.54%	0.173%
154	9.475	9.463	9.490	VV	156006	2098796	16.57%	0.336%
155	9.509	9.490	9.515	VV	176897	2247252	17.74%	0.360%
156	9.521	9.515	9.563	VV	176027	3837390	30.29%	0.615%
157	9.576	9.563	9.591	VV	107446	1649013	13.02%	0.264%
158	9.616	9.591	9.647	VV	134637	3658573	28.88%	0.586%
159	9.682	9.647	9.734	VV	200922	5653966	44.63%	0.906%
160	9.757	9.734	9.769	VV	80477	1588491	12.54%	0.255%
161	9.783	9.769	9.796	VV	97571	1376074	10.86%	0.220%
162	9.803	9.796	9.814	VV	84148	880770	6.95%	0.141%
163	9.839	9.814	9.866	VV	206675	3844833	30.35%	0.616%
164	9.886	9.866	9.896	VV	123400	1875971	14.81%	0.301%
165	9.914	9.896	9.929	VV	160183	2741787	21.64%	0.439%
166	9.945	9.929	9.955	VV	200770	2699816	21.31%	0.433%
167	9.972	9.955	9.994	VV	256140	4447104	35.10%	0.713%
168	10.012	9.994	10.038	VV	256323	4571738	36.09%	0.733%
169	10.048	10.038	10.068	VV	122066	1957815	15.45%	0.314%
170	10.090	10.068	10.102	VV	220358	3330121	26.29%	0.534%
171	10.110	10.102	10.128	VV	200039	2617572	20.66%	0.419%
172	10.149	10.128	10.168	VV	195616	3568938	28.17%	0.572%
173	10.184	10.168	10.200	VV	162137	2483955	19.61%	0.398%
174	10.222	10.200	10.239	VV	154686	2964428	23.40%	0.475%
175	10.259	10.239	10.276	VV	226979	3565976	28.15%	0.571%
176	10.292	10.276	10.298	VV	147589	1663888	13.13%	0.267%
177	10.335	10.298	10.377	VV	236795	7729840	61.02%	1.239%
178	10.390	10.377	10.408	VV	133729	2043208	16.13%	0.327%
179	10.451	10.408	10.467	VV	136700	3805333	30.04%	0.610%
180	10.485	10.467	10.514	VV	205600	4108152	32.43%	0.658%
181	10.524	10.514	10.543	VV	111677	1787333	14.11%	0.286%
182	10.565	10.543	10.570	VV	110538	1584006	12.50%	0.254%
183	10.583	10.570	10.608	VV	132492	2515671	19.86%	0.403%
184	10.626	10.608	10.639	VV	96320	1589181	12.54%	0.255%
185	10.664	10.639	10.689	VV	122249	3082193	24.33%	0.494%
186	10.704	10.689	10.727	VV	110525	2333060	18.42%	0.374%
187	10.732	10.727	10.735	VV	98544	495806	3.91%	0.079%
188	10.742	10.735	10.766	VV	100815	1821275	14.38%	0.292%
189	10.798	10.766	10.820	VV	178824	4205362	33.20%	0.674%
190	10.839	10.820	10.844	VV	148309	1810534	14.29%	0.290%
191	10.849	10.844	10.867	VV	149921	1852226	14.62%	0.297%
192	10.883	10.867	10.908	VV	155590	3348339	26.43%	0.536%
193	10.914	10.908	10.930	VV	116503	1459536	11.52%	0.234%
194	10.934	10.930	10.943	VV	103364	759211	5.99%	0.122%

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195	10.965	10.943	10.972	VV	143398	2241182	17.69%	0.359%
196	10.979	10.972	10.991	VV	142782	1596432	12	
197	11.006	10.991	11.028	VV	193755	3181152	25	
198	11.052	11.028	11.069	VV	162543	3274709	25	
199	11.078	11.069	11.100	VV	128664	2113986	16	
200	11.137	11.100	11.164	VV	185715	4746174	37	
201	11.174	11.164	11.196	VV	107296	1875108	14.80%	0.300%
202	11.261	11.196	11.279	VV	771915	12383924	97.75%	1.984%
203	11.283	11.279	11.300	VV	204822	2149871	16.97%	0.344%
204	11.316	11.300	11.342	VV	225585	3650654	28.82%	0.585%
205	11.345	11.342	11.357	VV	84019	720371	5.69%	0.115%
206	11.387	11.357	11.405	VV	121984	2898899	22.88%	0.464%
207	11.431	11.405	11.448	VV	215933	3814271	30.11%	0.611%
208	11.464	11.448	11.515	VV	180998	4792044	37.83%	0.768%
209	11.539	11.515	11.555	VV	103417	2130222	16.82%	0.341%
210	11.592	11.555	11.607	VV	123509	3345987	26.41%	0.536%
211	11.624	11.607	11.655	VV	132294	3212514	25.36%	0.515%
212	11.684	11.655	11.701	VV	128494	2826659	22.31%	0.453%
213	11.727	11.701	11.739	VV	95208	1966841	15.53%	0.315%
214	11.744	11.739	11.763	VV	93914	1312656	10.36%	0.210%
215	11.784	11.763	11.798	VV	124536	2080444	16.42%	0.333%
216	11.818	11.798	11.839	VV	154403	2926815	23.10%	0.469%
217	11.847	11.839	11.859	VV	89639	1037189	8.19%	0.166%
218	11.892	11.859	11.916	VV	333186	6056185	47.81%	0.970%
219	11.930	11.916	11.942	VV	98019	1395419	11.01%	0.224%
220	11.958	11.942	11.972	VV	112916	1813934	14.32%	0.291%
221	11.977	11.972	11.993	VV	101436	1186924	9.37%	0.190%
222	12.002	11.993	12.007	VV	84329	668681	5.28%	0.107%
223	12.028	12.007	12.052	VV	116681	2614853	20.64%	0.419%
224	12.070	12.052	12.082	VV	152111	2152765	16.99%	0.345%
225	12.086	12.082	12.109	VV	124747	1657806	13.09%	0.266%
226	12.130	12.109	12.137	VV	86900	1338481	10.57%	0.214%
227	12.179	12.137	12.198	VV	228537	4928722	38.91%	0.790%
228	12.214	12.198	12.230	VV	144522	2396471	18.92%	0.384%
229	12.243	12.230	12.274	VV	133572	2631019	20.77%	0.422%
230	12.292	12.274	12.364	VV	117008	4294672	33.90%	0.688%
231	12.369	12.364	12.372	VV	59913	282112	2.23%	0.045%
232	12.394	12.372	12.405	VV	75307	1356316	10.71%	0.217%
233	12.421	12.405	12.444	VV	98076	1754846	13.85%	0.281%
234	12.455	12.444	12.466	VV	61529	767277	6.06%	0.123%
235	12.485	12.466	12.502	VV	74888	1425852	11.26%	0.228%
236	12.532	12.502	12.567	VV	84668	2725602	21.51%	0.437%
237	12.585	12.567	12.614	VV	104073	2159204	17.04%	0.346%
238	12.623	12.614	12.644	VV	70886	1112626	8.78%	0.178%
239	12.660	12.644	12.669	VV	63464	873660	6.90%	0.140%
240	12.699	12.669	12.733	VV	191851	4023975	31.76%	0.645%
241	12.762	12.733	12.788	VV	79130	2385777	18.83%	0.382%
242	12.793	12.788	12.817	VV	63229	968725	7.65%	0.155%
243	12.829	12.817	12.838	VV	47576	580353	4.58%	0.093%
244	12.868	12.838	12.902	VV	88149	2708802	21.38%	0.434%
245	12.921	12.902	12.962	VV	115592	2634275	20.79%	0.422%
246	12.984	12.962	12.997	VV	70889	1188375	9.38%	0.190%

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247	13.016	12.997	13.040	VV	76744	1583055	12.50%	0.254%
248	13.058	13.040	13.073	VV	52853	930084	7	
249	13.104	13.073	13.128	VV	200930	3415081	26	
250	13.137	13.128	13.152	VV	58405	777470	6	
251	13.173	13.152	13.198	VV	67040	1543886	12	
252	13.216	13.198	13.235	VV	45462	931438	7	
253	13.246	13.235	13.262	VV	40718	613631	4.84%	0.098%
254	13.283	13.262	13.302	VV	51039	1057284	8.35%	0.169%
255	13.318	13.302	13.331	VV	49963	823706	6.50%	0.132%
256	13.351	13.331	13.409	VV	78928	2301220	18.17%	0.369%
257	13.445	13.409	13.470	VV	66050	1726499	13.63%	0.277%
258	13.485	13.470	13.509	VV	43206	859630	6.79%	0.138%
259	13.532	13.509	13.544	VV	37141	734655	5.80%	0.118%
260	13.548	13.544	13.564	VV	36500	437234	3.45%	0.070%
261	13.577	13.564	13.604	VV	37741	775580	6.12%	0.124%
262	13.628	13.604	13.662	VV	39677	1138017	8.98%	0.182%
263	13.680	13.662	13.699	VV	33375	688832	5.44%	0.110%
264	13.713	13.699	13.726	VV	35267	528363	4.17%	0.085%
265	13.734	13.726	13.749	VV	32285	423723	3.34%	0.068%
266	13.787	13.749	13.806	VV	41001	1085098	8.57%	0.174%
267	13.820	13.806	13.848	VV	32014	754087	5.95%	0.121%
268	13.888	13.848	13.949	VV	38423	1939064	15.31%	0.311%
269	13.952	13.949	13.961	VV	25415	190822	1.51%	0.031%
270	13.989	13.961	13.998	VV	33911	657833	5.19%	0.105%
271	14.011	13.998	14.054	VV	36985	1074756	8.48%	0.172%
272	14.083	14.054	14.097	VV	36123	827179	6.53%	0.133%
273	14.101	14.097	14.120	VV	33603	409760	3.23%	0.066%
274	14.142	14.120	14.165	VV	34965	784837	6.20%	0.126%
275	14.176	14.165	14.197	VV	23964	432493	3.41%	0.069%
276	14.203	14.197	14.207	VV	23048	141812	1.12%	0.023%
277	14.211	14.207	14.218	VV	22729	145190	1.15%	0.023%
278	14.237	14.218	14.245	VV	26261	384868	3.04%	0.062%
279	14.264	14.245	14.288	VV	30814	719987	5.68%	0.115%
280	14.300	14.288	14.322	VV	26163	484963	3.83%	0.078%
281	14.337	14.322	14.354	VV	22156	386433	3.05%	0.062%
282	14.358	14.354	14.361	VV	20101	88077	0.70%	0.014%
283	14.380	14.361	14.400	VV	23028	514658	4.06%	0.082%
284	14.410	14.400	14.417	VV	23078	222692	1.76%	0.036%
285	14.428	14.417	14.439	VV	24012	296563	2.34%	0.048%
286	14.442	14.439	14.450	VV	23108	156358	1.23%	0.025%
287	14.456	14.450	14.473	VV	23355	312600	2.47%	0.050%
288	14.494	14.473	14.517	VV	30391	624145	4.93%	0.100%
289	14.544	14.517	14.565	VV	32305	701308	5.54%	0.112%
290	14.595	14.565	14.605	VV	25821	553479	4.37%	0.089%
291	14.613	14.605	14.619	VV	25685	209316	1.65%	0.034%
292	14.658	14.619	14.684	VV	30120	1049039	8.28%	0.168%
293	14.698	14.684	14.723	VV	25949	540332	4.27%	0.087%
294	14.764	14.723	14.790	VV	26104	894604	7.06%	0.143%
295	14.801	14.790	14.807	VV	19012	181882	1.44%	0.029%
296	14.812	14.807	14.816	VV	18995	96905	0.76%	0.016%
297	14.840	14.816	14.863	VV	20260	515706	4.07%	0.083%
298	14.889	14.863	14.894	VV	21894	347862	2.75%	0.056%
299	14.925	14.894	14.952	VV	36279	987679	7.80%	0.158%

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300	14.967	14.952	14.991	VV	23744	468712	3.70%	0.075%
301	15.030	14.991	15.035	VV	21040	510680		
302	15.040	15.035	15.057	VV	21422	245886		
303	15.076	15.057	15.084	VV	20512	297298		
304	15.091	15.084	15.107	VV	21130	274829		
305	15.126	15.107	15.148	VV	31693	605543		
306	15.164	15.148	15.191	VV	22834	503664	3.98%	0.081%
307	15.195	15.191	15.216	VV	16540	251778	1.99%	0.040%
308	15.237	15.216	15.255	VV	23808	484798	3.83%	0.078%
309	15.285	15.255	15.313	VV	26503	769712	6.08%	0.123%
310	15.323	15.313	15.340	VV	19589	288427	2.28%	0.046%
311	15.360	15.340	15.376	VV	21006	385695	3.04%	0.062%
312	15.387	15.376	15.405	VV	19499	314747	2.48%	0.050%
313	15.416	15.405	15.430	VV	20112	285786	2.26%	0.046%
314	15.455	15.430	15.466	VV	21990	414893	3.28%	0.066%
315	15.476	15.466	15.493	VV	18778	285355	2.25%	0.046%
316	15.510	15.493	15.524	VV	19944	345140	2.72%	0.055%
317	15.562	15.524	15.583	VV	24767	730223	5.76%	0.117%
318	15.598	15.583	15.610	VV	18864	279505	2.21%	0.045%
319	15.623	15.610	15.675	VV	18999	602882	4.76%	0.097%
320	15.680	15.675	15.685	VV	12364	70848	0.56%	0.011%
321	15.721	15.685	15.750	VV	22758	716009	5.65%	0.115%
322	15.770	15.750	15.780	VV	17339	295470	2.33%	0.047%
323	15.785	15.780	15.790	VV	15892	85411	0.67%	0.014%
324	15.804	15.790	15.812	VV	19330	237431	1.87%	0.038%
325	15.819	15.812	15.853	VV	20279	444957	3.51%	0.071%
326	15.875	15.853	15.898	VV	19612	480893	3.80%	0.077%
327	15.925	15.898	15.955	VV	25374	670034	5.29%	0.107%
328	15.981	15.955	15.984	VV	17165	275873	2.18%	0.044%
329	16.008	15.984	16.027	VV	24267	506422	4.00%	0.081%
330	16.033	16.027	16.042	VV	16975	149606	1.18%	0.024%
331	16.054	16.042	16.072	VV	17821	293547	2.32%	0.047%
332	16.080	16.072	16.085	VV	15783	120083	0.95%	0.019%
333	16.110	16.085	16.119	VV	20328	367785	2.90%	0.059%
334	16.138	16.119	16.159	VV	21664	464169	3.66%	0.074%
335	16.162	16.159	16.167	VV	18481	96212	0.76%	0.015%
336	16.174	16.167	16.197	VV	18448	303640	2.40%	0.049%
337	16.213	16.197	16.226	VV	17424	293266	2.31%	0.047%
338	16.232	16.226	16.242	VV	16440	147001	1.16%	0.024%
339	16.249	16.242	16.260	VV	15904	167734	1.32%	0.027%
340	16.269	16.260	16.279	VV	17245	184651	1.46%	0.030%
341	16.297	16.279	16.309	VV	22372	360587	2.85%	0.058%
342	16.326	16.309	16.365	VV	22229	618164	4.88%	0.099%
343	16.385	16.365	16.412	VV	17980	452852	3.57%	0.073%
344	16.426	16.412	16.432	VV	16285	183305	1.45%	0.029%
345	16.467	16.432	16.479	VV	16303	434336	3.43%	0.070%
346	16.503	16.479	16.525	VV	21700	510791	4.03%	0.082%
347	16.538	16.525	16.559	VV	17925	337628	2.67%	0.054%
348	16.572	16.559	16.584	VV	15782	224062	1.77%	0.036%
349	16.601	16.584	16.652	VV	14917	564745	4.46%	0.090%
350	16.663	16.652	16.677	VV	13967	196926	1.55%	0.032%
351	16.709	16.677	16.723	VV	16376	410265	3.24%	0.066%

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352	16.746	16.723	16.760	VV	16148	323448	2.55%	0.052%
353	16.787	16.760	16.807	VV	16628	408339	3	
354	16.830	16.807	16.845	VV	15333	318763	2	
355	16.873	16.845	16.899	VV	21807	532651	4	
356	16.909	16.899	16.930	VV	16379	239137	1	
357	16.953	16.930	16.999	VV	14757	538109	4	
358	17.007	16.999	17.023	VV	11732	166406	1.31%	0.027%
359	17.042	17.023	17.074	VV	15317	359291	2.84%	0.058%
360	17.099	17.074	17.123	VV	19257	419700	3.31%	0.067%
361	17.135	17.123	17.150	VV	11063	170458	1.35%	0.027%
362	17.164	17.150	17.182	VV	12062	199270	1.57%	0.032%
363	17.192	17.182	17.212	VV	11231	176619	1.39%	0.028%
364	17.236	17.212	17.249	VV	10439	218735	1.73%	0.035%
365	17.264	17.249	17.275	VV	11310	171745	1.36%	0.028%
366	17.289	17.275	17.305	VV	10951	187776	1.48%	0.030%
367	17.345	17.305	17.385	VV	14643	596306	4.71%	0.096%
368	17.394	17.385	17.439	VV	14547	312324	2.47%	0.050%
369	17.445	17.439	17.454	VV	8044	71539	0.56%	0.011%
370	17.488	17.454	17.512	VV	14993	358510	2.83%	0.057%
371	17.524	17.512	17.580	VV	10525	372990	2.94%	0.060%
372	17.596	17.580	17.627	VV	8681	200292	1.58%	0.032%
373	17.637	17.627	17.651	VV	7400	98523	0.78%	0.016%
374	17.677	17.651	17.697	VV	7867	194295	1.53%	0.031%
375	17.713	17.697	17.732	VV	7861	153588	1.21%	0.025%
376	17.753	17.732	17.785	VV	17392	386609	3.05%	0.062%
377	17.809	17.785	17.842	VV	11228	281609	2.22%	0.045%
378	17.858	17.842	17.903	VV	9910	227473	1.80%	0.036%
379	17.930	17.903	17.955	VV	6420	178136	1.41%	0.029%
380	18.002	17.955	18.030	VV	9277	301882	2.38%	0.048%
381	18.036	18.030	18.056	VV	4575	54877	0.43%	0.009%
382	18.069	18.056	18.112	VV	4731	106894	0.84%	0.017%
383	18.132	18.112	18.140	VV	4045	43560	0.34%	0.007%
384	18.161	18.140	18.175	VV	4259	74089	0.58%	0.012%
385	18.192	18.175	18.202	VV	5396	63373	0.50%	0.010%
386	18.217	18.202	18.242	VV	5286	71049	0.56%	0.011%

Sum of corrected areas: 624109224

Aromatic EPH 102324.M Sat Nov 09 03:31:00 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.3	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051125.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		60.7	E	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		171	E	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		124	E	0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		25.8		0.91	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		36.0		2.04	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.6		40 - 140	81%	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:	P4721-03	Acq On:	08 Nov 2024 18:38
Client Sample ID:	EX-2-TPH-3	Operator:	YP\AJ
Data file:	FE051125.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	112539624	804.344	300	ug/ml
Aliphatic C12-C16	6.759	10.191	319799913	2270	200	ug/ml
Aliphatic C16-C21	10.192	13.550	227103177	1650	300	ug/ml
Aliphatic C21-C28	13.551	17.206	45728418	341.38	400	ug/ml
Aliphatic C28-C40	17.207	22.053	61377212	476.722	600	ug/ml
Aliphatic EPH	3.140	22.053	766548344	5540		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	4609120	40.6		ug/ml
Aliphatic C9-C28	3.140	17.206	705171132	5070	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051125.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 18:38
Operator : YP\AJ
Sample : P4721-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3

Integration File: sample.E
Quant Time: Nov 09 00:43:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	4609120	40.598 ug/ml
Spiked Amount 50.000		Recovery = 81.20%	
Target Compounds			

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

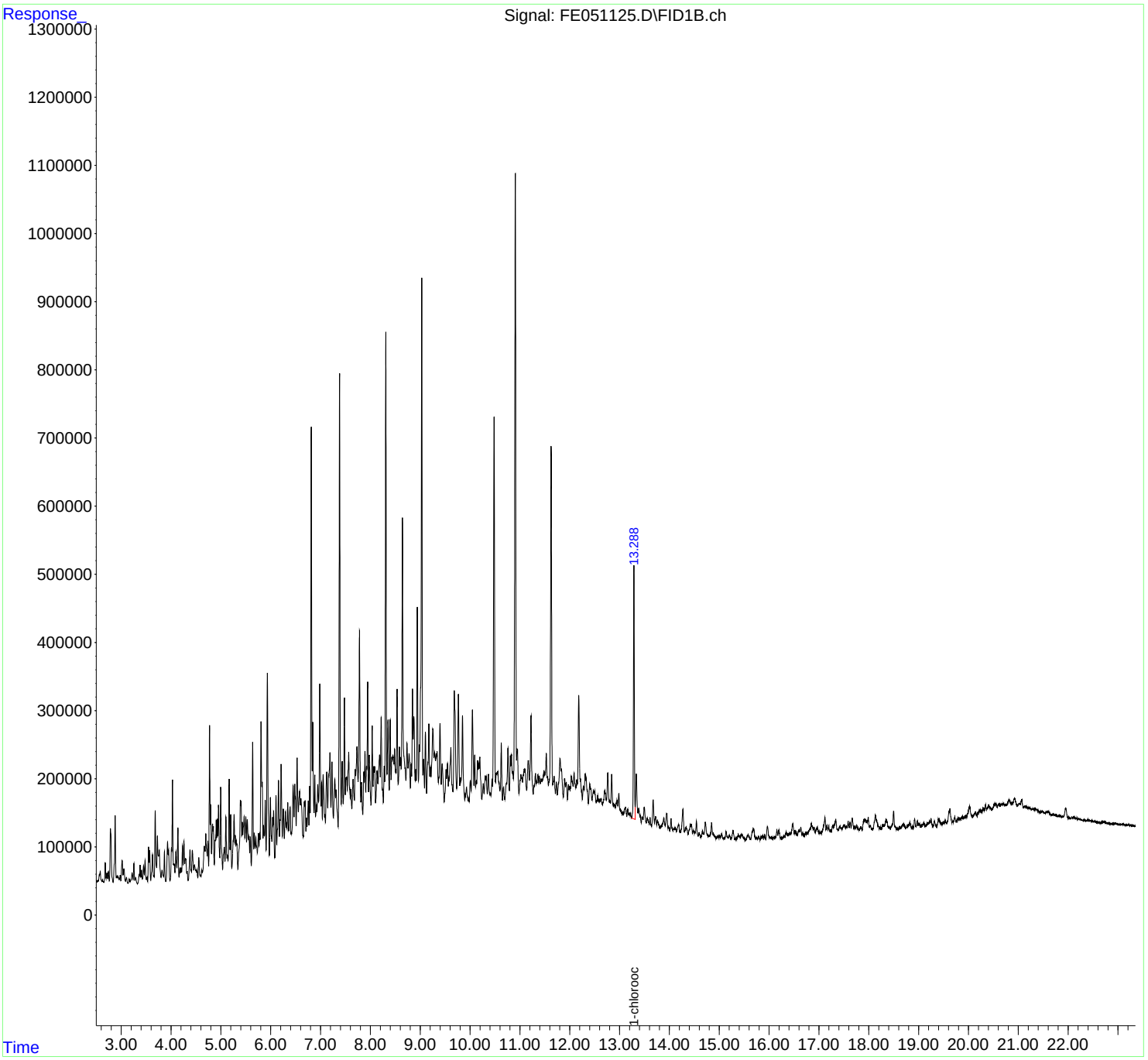
Quantitation Report (QT Reviewed)

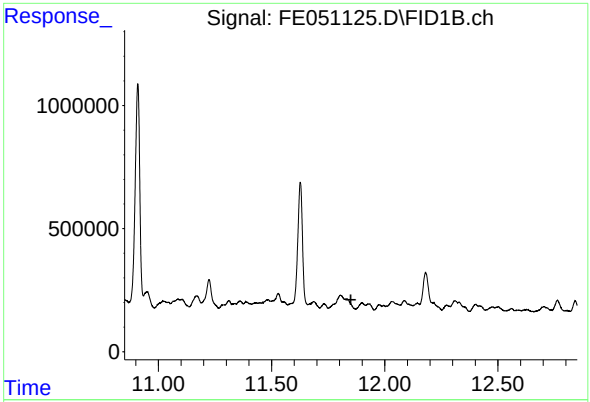
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051125.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 18:38
Operator : YP\AJ
Sample : P4721-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3

Integration File: sample.E
Quant Time: Nov 09 00:43:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

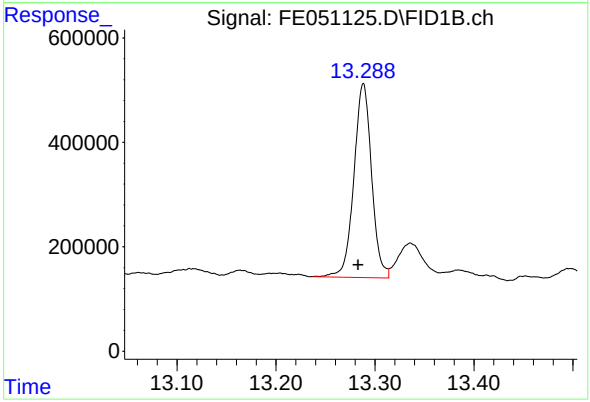




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: 0.005 min
Response: 4609120
Conc: 40.60 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051125.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 18:38
Sample : P4721-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.291	3.275	3.328	PV	4945	58132	0.34%	0.008%
2	3.380	3.328	3.396	PV	27033	449648	2.65%	0.058%
3	3.409	3.396	3.428	VV	19318	237545	1.40%	0.031%
4	3.450	3.428	3.464	VV	25401	343929	2.03%	0.044%
5	3.480	3.464	3.506	VV	33446	448663	2.64%	0.058%
6	3.518	3.506	3.530	VV	8580	90216	0.53%	0.012%
7	3.551	3.530	3.562	VV	52512	558213	3.29%	0.072%
8	3.572	3.562	3.594	VV	47689	528359	3.11%	0.068%
9	3.630	3.594	3.664	VV	41017	770021	4.54%	0.099%
10	3.684	3.664	3.710	VV	105238	1349372	7.95%	0.174%
11	3.728	3.710	3.750	VV	68154	1054100	6.21%	0.136%
12	3.764	3.750	3.800	VV	47291	839424	4.95%	0.108%
13	3.821	3.800	3.850	VV	17284	359834	2.12%	0.046%
14	3.869	3.850	3.896	VV	44464	474570	2.80%	0.061%
15	3.931	3.896	3.980	VV	58539	1371846	8.08%	0.177%
16	4.030	3.980	4.052	VV	149124	2194380	12.93%	0.283%
17	4.060	4.052	4.079	VV	25735	341905	2.01%	0.044%
18	4.099	4.079	4.117	VV	43612	664608	3.92%	0.086%
19	4.139	4.117	4.162	VV	78622	1027605	6.06%	0.133%
20	4.178	4.162	4.190	VV	19076	227781	1.34%	0.029%
21	4.202	4.190	4.213	VV	19256	219249	1.29%	0.028%
22	4.231	4.213	4.244	VV	51615	604096	3.56%	0.078%
23	4.260	4.244	4.276	VV	58106	773342	4.56%	0.100%
24	4.294	4.276	4.344	VV	32026	744513	4.39%	0.096%
25	4.381	4.344	4.409	PV	44832	749444	4.42%	0.097%
26	4.429	4.409	4.455	VV	44436	773784	4.56%	0.100%
27	4.471	4.455	4.511	VV	22115	568648	3.35%	0.073%
28	4.520	4.511	4.537	VV	14885	156567	0.92%	0.020%
29	4.558	4.537	4.600	VV	32784	531805	3.13%	0.069%
30	4.619	4.600	4.630	VV	14106	179863	1.06%	0.023%
31	4.668	4.630	4.683	VV	48693	1000597	5.90%	0.129%
32	4.698	4.683	4.726	VV	66981	1276080	7.52%	0.165%
33	4.740	4.726	4.754	VV	56666	697789	4.11%	0.090%
34	4.774	4.754	4.814	VV	225268	3634319	21.42%	0.469%
35	4.834	4.814	4.869	VV	80413	1976082	11.64%	0.255%
36	4.907	4.869	4.917	VV	85747	1641555	9.67%	0.212%

rteres

37	4.928	4.917	4.939	VV	87695	993690	5.86%	0.128%
38	4.952	4.939	4.977	VV	107434	1578542	9.30%	0.204%
39	4.997	4.977	5.035	VV	133988	2112509	12.45%	0.273%
40	5.068	5.035	5.083	VV	45364	952123	5.61%	0.123%
41	5.102	5.083	5.143	VV	89731	1664937	9.81%	0.215%
42	5.166	5.143	5.183	VV	145065	1845272	10.87%	0.238%
43	5.198	5.183	5.220	VV	93021	1174232	6.92%	0.152%
44	5.265	5.220	5.300	VV	92798	2579969	15.20%	0.333%
45	5.310	5.300	5.342	VV	54099	1004668	5.92%	0.130%
46	5.393	5.342	5.420	VV	113209	3108181	18.32%	0.401%
47	5.430	5.420	5.441	VV	80043	888387	5.23%	0.115%
48	5.466	5.441	5.481	VV	89205	1796700	10.59%	0.232%
49	5.500	5.481	5.515	VV	88464	1477104	8.70%	0.191%
50	5.530	5.515	5.555	VV	83689	1586789	9.35%	0.205%
51	5.564	5.555	5.579	VV	59308	744003	4.38%	0.096%
52	5.591	5.579	5.610	VV	58473	769777	4.54%	0.099%
53	5.638	5.610	5.658	VV	196347	2592951	15.28%	0.335%
54	5.670	5.658	5.686	VV	62992	870575	5.13%	0.112%
55	5.702	5.686	5.731	VV	57330	1223525	7.21%	0.158%
56	5.754	5.731	5.766	VV	62848	1049662	6.19%	0.136%
57	5.778	5.766	5.788	VV	62260	706623	4.16%	0.091%
58	5.806	5.788	5.847	VV	224301	4702759	27.71%	0.607%
59	5.857	5.847	5.874	VV	74138	1071037	6.31%	0.138%
60	5.891	5.874	5.908	VV	110848	1513282	8.92%	0.195%
61	5.933	5.908	5.973	VV	296898	5089255	29.99%	0.657%
62	5.994	5.973	6.023	VV	114204	2099923	12.37%	0.271%
63	6.039	6.023	6.047	VV	85045	1013608	5.97%	0.131%
64	6.058	6.047	6.083	VV	94108	1328994	7.83%	0.172%
65	6.107	6.083	6.123	VV	116425	1575897	9.29%	0.203%
66	6.157	6.123	6.176	VV	138755	2734660	16.11%	0.353%
67	6.209	6.176	6.234	VV	160914	3335031	19.65%	0.431%
68	6.254	6.234	6.273	VV	96098	1788318	10.54%	0.231%
69	6.296	6.273	6.326	VV	92446	2350956	13.85%	0.304%
70	6.343	6.326	6.363	VV	105100	1791850	10.56%	0.231%
71	6.388	6.363	6.416	VV	98212	2442038	14.39%	0.315%
72	6.451	6.416	6.468	VV	129458	2858814	16.85%	0.369%
73	6.483	6.468	6.511	VV	130429	2723997	16.05%	0.352%
74	6.530	6.511	6.555	VV	169295	3135314	18.48%	0.405%
75	6.580	6.555	6.596	VV	121022	2682206	15.81%	0.346%
76	6.608	6.596	6.653	VV	109735	2912198	17.16%	0.376%
77	6.690	6.653	6.707	VV	106606	2771538	16.33%	0.358%
78	6.720	6.707	6.730	VV	80686	981707	5.78%	0.127%
79	6.754	6.730	6.768	VV	105612	1998139	11.77%	0.258%
80	6.814	6.768	6.834	VV	654059	9784085	57.65%	1.263%
81	6.845	6.834	6.870	VV	220222	3262901	19.23%	0.421%
82	6.885	6.870	6.902	VV	142798	2142649	12.63%	0.277%
83	6.946	6.902	6.962	VV	128857	3696360	21.78%	0.477%
84	6.986	6.962	7.011	VV	276982	4869300	28.69%	0.629%
85	7.023	7.011	7.037	VV	131922	1660545	9.78%	0.214%
86	7.054	7.037	7.098	VV	142372	3783044	22.29%	0.489%
87	7.125	7.098	7.144	VV	145601	3213147	18.93%	0.415%
88	7.190	7.144	7.209	VV	175143	5293268	31.19%	0.684%
89	7.230	7.209	7.258	VV	160652	3445957	20.31%	0.445%

90	7.287	7.258	7.302	VV	135344	2947050	17.37%	0.381%
91	7.312	7.302	7.353	VV	119329	2957176	17.43%	0.382%
92	7.383	7.353	7.416	VV	728372	10587697	62.39%	1.367%
93	7.435	7.416	7.456	VV	160425	3069664	18.09%	0.396%
94	7.480	7.456	7.498	VV	253940	4145189	24.43%	0.535%
95	7.524	7.498	7.537	VV	136999	3005235	17.71%	0.388%
96	7.566	7.537	7.597	VV	173670	4929328	29.05%	0.637%
97	7.609	7.597	7.628	VV	118862	2000190	11.79%	0.258%
98	7.654	7.628	7.681	VV	133364	3593204	21.17%	0.464%
99	7.698	7.681	7.706	VV	146066	2029147	11.96%	0.262%
100	7.731	7.706	7.753	VV	180612	4376245	25.79%	0.565%
101	7.782	7.753	7.809	VV	348953	6698764	39.47%	0.865%
102	7.824	7.809	7.847	VV	127676	2400794	14.15%	0.310%
103	7.892	7.847	7.908	VV	172338	4784550	28.19%	0.618%
104	7.947	7.908	7.963	VV	273742	5656814	33.33%	0.730%
105	7.977	7.963	8.013	VV	166649	3853777	22.71%	0.498%
106	8.037	8.013	8.054	VV	208948	3629827	21.39%	0.469%
107	8.069	8.054	8.078	VV	150173	2017363	11.89%	0.261%
108	8.086	8.078	8.105	VV	150221	2131292	12.56%	0.275%
109	8.134	8.105	8.151	VV	143284	3396268	20.01%	0.439%
110	8.185	8.151	8.198	VV	166394	4244374	25.01%	0.548%
111	8.216	8.198	8.259	VV	221389	5412698	31.90%	0.699%
112	8.278	8.259	8.286	VV	149423	2056896	12.12%	0.266%
113	8.310	8.286	8.333	VV	782961	10450926	61.58%	1.350%
114	8.354	8.333	8.378	VV	217279	4571764	26.94%	0.590%
115	8.397	8.378	8.416	VV	215236	3687991	21.73%	0.476%
116	8.452	8.416	8.472	VV	164550	5167627	30.45%	0.667%
117	8.486	8.472	8.518	VV	173745	4201041	24.76%	0.542%
118	8.536	8.518	8.559	VV	259444	4527124	26.68%	0.585%
119	8.583	8.559	8.596	VV	175866	3328302	19.61%	0.430%
120	8.606	8.596	8.617	VV	159940	1973035	11.63%	0.255%
121	8.644	8.617	8.712	VV	512950	12520151	73.78%	1.617%
122	8.734	8.712	8.756	VV	180976	4044472	23.83%	0.522%
123	8.777	8.756	8.803	VV	165361	4177550	24.62%	0.539%
124	8.818	8.803	8.827	VV	150163	1986527	11.71%	0.257%
125	8.845	8.827	8.858	VV	260336	3774889	22.24%	0.487%
126	8.873	8.858	8.898	VV	218338	4379391	25.81%	0.566%
127	8.910	8.898	8.920	VV	142332	1768589	10.42%	0.228%
128	8.941	8.920	8.965	VV	380111	6181287	36.42%	0.798%
129	9.031	8.965	9.055	VV	863424	16737410	98.63%	2.161%
130	9.068	9.055	9.086	VV	155697	2579413	15.20%	0.333%
131	9.104	9.086	9.128	VV	195554	3777231	22.26%	0.488%
132	9.174	9.128	9.192	VV	207812	5906438	34.80%	0.763%
133	9.205	9.192	9.218	VV	143786	2135359	12.58%	0.276%
134	9.254	9.218	9.276	VV	199631	5839703	34.41%	0.754%
135	9.289	9.276	9.307	VV	165035	3019591	17.79%	0.390%
136	9.338	9.307	9.364	VV	166228	5157886	30.39%	0.666%
137	9.397	9.364	9.421	VV	207052	5257808	30.98%	0.679%
138	9.441	9.421	9.482	VV	147367	4501960	26.53%	0.581%
139	9.518	9.482	9.529	VV	138272	3258996	19.20%	0.421%
140	9.547	9.529	9.564	VV	148052	2854086	16.82%	0.369%
141	9.615	9.564	9.658	VV	170365	7344994	43.28%	0.948%

142	9.685	9.658	9.732	VV	253439	7735147	45.58%	0.999%
143	9.766	9.732	9.795	VV	248475	6240988	36.78%	0.806%
144	9.808	9.795	9.818	VV	125556	1718728	10.13%	0.222%
145	9.849	9.818	9.894	VV	217104	6333754	37.32%	0.818%
146	9.929	9.894	9.960	VV	109822	3990682	23.52%	0.515%
147	9.971	9.960	9.984	VV	94911	1316426	7.76%	0.170%
148	10.005	9.984	10.021	VV	119810	2431897	14.33%	0.314%
149	10.048	10.021	10.078	VV	223394	5481900	32.30%	0.708%
150	10.094	10.078	10.113	VV	157332	2719295	16.02%	0.351%
151	10.152	10.113	10.164	VV	149036	3934423	23.18%	0.508%
152	10.174	10.164	10.184	VV	143611	1710334	10.08%	0.221%
153	10.196	10.184	10.236	VV	153762	3920201	23.10%	0.506%
154	10.266	10.236	10.282	VV	114417	2879820	16.97%	0.372%
155	10.305	10.282	10.314	VV	125632	2218079	13.07%	0.286%
156	10.323	10.314	10.347	VV	125698	2254848	13.29%	0.291%
157	10.368	10.347	10.420	VV	127841	4719155	27.81%	0.609%
158	10.442	10.420	10.451	VV	119880	2051344	12.09%	0.265%
159	10.483	10.451	10.512	VV	651028	11491960	67.72%	1.484%
160	10.556	10.512	10.599	VV	130068	6285118	37.04%	0.812%
161	10.627	10.599	10.652	VV	172378	3972216	23.41%	0.513%
162	10.670	10.652	10.697	VV	106196	2669434	15.73%	0.345%
163	10.761	10.697	10.789	VV	164302	6552016	38.61%	0.846%
164	10.809	10.789	10.819	VV	153624	2308414	13.60%	0.298%
165	10.831	10.819	10.870	VV	153897	4174500	24.60%	0.539%
166	10.909	10.870	10.934	VV	1007075	16970363	100.00%	2.191%
167	10.949	10.934	10.982	VV	162143	3916457	23.08%	0.506%
168	11.022	10.982	11.054	VV	124227	4922882	29.01%	0.636%
169	11.086	11.054	11.136	VV	132365	6002340	35.37%	0.775%
170	11.169	11.136	11.191	VV	144071	4149367	24.45%	0.536%
171	11.224	11.191	11.267	VV	210467	6353181	37.44%	0.820%
172	11.312	11.267	11.327	VV	124803	3985275	23.48%	0.515%
173	11.360	11.327	11.376	VV	122850	3365762	19.83%	0.435%
174	11.387	11.376	11.412	VV	119065	2519879	14.85%	0.325%
175	11.428	11.412	11.454	VV	115490	2811428	16.57%	0.363%
176	11.483	11.454	11.497	VV	127707	3187403	18.78%	0.412%
177	11.529	11.497	11.572	VV	153066	5654027	33.32%	0.730%
178	11.627	11.572	11.661	VV	603778	12759497	75.19%	1.648%
179	11.687	11.661	11.713	VV	119213	3399338	20.03%	0.439%
180	11.732	11.713	11.751	VV	110263	2310255	13.61%	0.298%
181	11.805	11.751	11.874	VV	144074	8526854	50.25%	1.101%
182	11.899	11.874	11.915	VV	114131	2552311	15.04%	0.330%
183	11.930	11.915	11.954	VV	109045	2351833	13.86%	0.304%
184	11.975	11.954	12.004	VV	105036	2941673	17.33%	0.380%
185	12.033	12.004	12.067	VV	116891	4089513	24.10%	0.528%
186	12.087	12.067	12.124	VV	121026	3701539	21.81%	0.478%
187	12.144	12.124	12.153	VV	111010	1883174	11.10%	0.243%
188	12.181	12.153	12.252	VV	234687	8010463	47.20%	1.034%
189	12.274	12.252	12.291	VV	101828	2198868	12.96%	0.284%
190	12.310	12.291	12.378	VV	119960	5247927	30.92%	0.678%
191	12.401	12.378	12.444	VV	104669	3738513	22.03%	0.483%
192	12.475	12.444	12.486	VV	93652	2220404	13.08%	0.287%
193	12.501	12.486	12.533	VV	93837	2439833	14.38%	0.315%
194	12.560	12.533	12.575	VV	86746	2047745	12.07%	0.264%

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195	12.584	12.575	12.603	VV	80582	1352034	7.97%	0.175%
196	12.628	12.603	12.660	VV	80949	2645960	15.59%	0.342%
197	12.704	12.660	12.736	VV	94204	3840871	22.63%	0.496%
198	12.763	12.736	12.819	VV	119207	4441681	26.17%	0.574%
199	12.842	12.819	12.888	VV	116538	3515751	20.72%	0.454%
200	12.897	12.888	12.915	VV	71341	1160877	6.84%	0.150%
201	12.948	12.915	12.966	VV	78002	2223803	13.10%	0.287%
202	12.985	12.966	13.050	VV	87313	3467450	20.43%	0.448%
203	13.062	13.050	13.079	VV	59651	1000600	5.90%	0.129%
204	13.116	13.079	13.145	VV	66617	2451304	14.44%	0.317%
205	13.164	13.145	13.184	VV	63465	1367166	8.06%	0.177%
206	13.203	13.184	13.238	VV	58227	1788946	10.54%	0.231%
207	13.288	13.238	13.314	VV	420147	6873114	40.50%	0.888%
208	13.336	13.314	13.368	VV	114240	2744022	16.17%	0.354%
209	13.385	13.368	13.435	VV	62944	2219740	13.08%	0.287%
210	13.452	13.435	13.472	VV	50840	1053199	6.21%	0.136%
211	13.497	13.472	13.537	VV	65164	2074564	12.22%	0.268%
212	13.555	13.537	13.595	VV	49232	1577708	9.30%	0.204%
213	13.612	13.595	13.640	VV	49424	1161896	6.85%	0.150%
214	13.674	13.640	13.701	VV	75127	1959737	11.55%	0.253%
215	13.723	13.701	13.744	VV	50551	1159304	6.83%	0.150%
216	13.761	13.744	13.808	VV	45273	1509882	8.90%	0.195%
217	13.839	13.808	13.850	VV	36665	882506	5.20%	0.114%
218	13.888	13.850	13.921	VV	47506	1741055	10.26%	0.225%
219	13.946	13.921	14.009	VV	52252	2089823	12.31%	0.270%
220	14.034	14.009	14.070	VV	46214	1267408	7.47%	0.164%
221	14.087	14.070	14.103	VV	31507	593396	3.50%	0.077%
222	14.119	14.103	14.145	VV	32017	753015	4.44%	0.097%
223	14.184	14.145	14.224	VV	35801	1454430	8.57%	0.188%
224	14.271	14.224	14.300	VV	58891	1755071	10.34%	0.227%
225	14.334	14.300	14.375	VV	32101	1262759	7.44%	0.163%
226	14.419	14.375	14.434	VV	35879	1030074	6.07%	0.133%
227	14.443	14.434	14.464	VV	35572	560405	3.30%	0.072%
228	14.482	14.464	14.506	VV	27038	613132	3.61%	0.079%
229	14.542	14.506	14.581	VV	39851	1168075	6.88%	0.151%
230	14.597	14.581	14.633	VV	22887	608256	3.58%	0.079%
231	14.666	14.633	14.688	VV	24857	681319	4.01%	0.088%
232	14.721	14.688	14.803	VV	37594	1596767	9.41%	0.206%
233	14.846	14.803	14.936	VV	35970	1646598	9.70%	0.213%
234	14.969	14.936	14.990	VV	15334	473558	2.79%	0.061%
235	15.008	14.990	15.024	VV	15823	304976	1.80%	0.039%
236	15.046	15.024	15.092	VV	18818	602395	3.55%	0.078%
237	15.137	15.092	15.171	VV	21591	722218	4.26%	0.093%
238	15.200	15.171	15.235	VV	15657	525408	3.10%	0.068%
239	15.277	15.235	15.313	VV	22097	711430	4.19%	0.092%
240	15.337	15.313	15.354	VV	11396	255148	1.50%	0.033%
241	15.390	15.354	15.421	VV	15600	534389	3.15%	0.069%
242	15.457	15.421	15.533	VV	16482	796664	4.69%	0.103%
243	15.579	15.533	15.631	VV	14684	654232	3.86%	0.084%
244	15.682	15.631	15.767	VV	24530	1165817	6.87%	0.151%
245	15.789	15.767	15.818	VV	11744	285980	1.69%	0.037%
246	15.840	15.818	15.859	VV	10905	236117	1.39%	0.030%

247	15.877	15.859	15.892	VV	12299	209949	1.24%	0.027%
248	15.912	15.892	15.933	VV	13604	254618	1.50%	0.033%
249	15.967	15.933	16.025	VV	24676	806931	4.75%	0.104%
250	16.035	16.025	16.076	VV	9154	248748	1.47%	0.032%
251	16.157	16.076	16.176	VV	17976	661671	3.90%	0.085%
252	16.197	16.176	16.231	VV	19167	450690	2.66%	0.058%
253	16.244	16.231	16.263	VV	7649	134415	0.79%	0.017%
254	16.306	16.263	16.316	VV	10041	266882	1.57%	0.034%
255	16.341	16.316	16.381	VV	15334	470098	2.77%	0.061%
256	16.408	16.381	16.426	VV	13536	332926	1.96%	0.043%
257	16.476	16.426	16.503	VV	27200	864873	5.10%	0.112%
258	16.518	16.503	16.570	VV	16501	538068	3.17%	0.069%
259	16.603	16.570	16.619	VV	16880	431749	2.54%	0.056%
260	16.637	16.619	16.661	VV	20713	399980	2.36%	0.052%
261	16.672	16.661	16.711	VV	11298	302586	1.78%	0.039%
262	16.731	16.711	16.770	VV	12392	403124	2.38%	0.052%
263	16.848	16.770	16.889	VV	25432	1275453	7.52%	0.165%
264	16.903	16.889	16.926	VV	19401	364981	2.15%	0.047%
265	16.964	16.926	16.999	VV	20018	686268	4.04%	0.089%
266	17.007	16.999	17.030	VV	12641	214686	1.27%	0.028%
267	17.047	17.030	17.056	VV	12432	177972	1.05%	0.023%
268	17.121	17.056	17.144	VV	33194	1117991	6.59%	0.144%
269	17.160	17.144	17.181	VV	21732	407765	2.40%	0.053%
270	17.196	17.181	17.218	VV	19408	365046	2.15%	0.047%
271	17.235	17.218	17.246	VV	14649	239551	1.41%	0.031%
272	17.278	17.246	17.291	VV	21179	479546	2.83%	0.062%
273	17.337	17.291	17.391	VV	29860	1210928	7.14%	0.156%
274	17.421	17.391	17.466	VV	19539	736670	4.34%	0.095%
275	17.513	17.466	17.536	VV	21057	776950	4.58%	0.100%
276	17.553	17.536	17.566	VV	19043	322236	1.90%	0.042%
277	17.587	17.566	17.604	VV	25961	463890	2.73%	0.060%
278	17.622	17.604	17.645	VV	23443	498309	2.94%	0.064%
279	17.669	17.645	17.705	VV	30323	781780	4.61%	0.101%
280	17.719	17.705	17.737	VV	17549	301022	1.77%	0.039%
281	17.759	17.737	17.813	VV	18418	682568	4.02%	0.088%
282	17.842	17.813	17.865	VV	15500	434657	2.56%	0.056%
283	17.907	17.865	17.917	VV	26103	644582	3.80%	0.083%
284	17.931	17.917	17.950	VV	26293	475667	2.80%	0.061%
285	17.962	17.950	17.972	VV	24978	314378	1.85%	0.041%
286	17.989	17.972	18.016	VV	28975	586314	3.45%	0.076%
287	18.032	18.016	18.078	VV	17497	515935	3.04%	0.067%
288	18.133	18.078	18.244	VV	32017	1891273	11.14%	0.244%
289	18.277	18.244	18.294	VV	17257	427723	2.52%	0.055%
290	18.358	18.294	18.395	VV	24175	1125722	6.63%	0.145%
291	18.407	18.395	18.435	VV	13479	295265	1.74%	0.038%
292	18.498	18.435	18.555	VV	35942	1244525	7.33%	0.161%
293	18.570	18.555	18.596	VV	10750	253803	1.50%	0.033%
294	18.616	18.596	18.641	VV	12626	289302	1.70%	0.037%
295	18.696	18.641	18.747	VV	16731	853047	5.03%	0.110%
296	18.823	18.747	18.860	VV	18997	922162	5.43%	0.119%
297	18.874	18.860	18.893	VV	11904	201023	1.18%	0.026%
298	18.921	18.893	18.946	VV	22786	497420	2.93%	0.064%
299	18.972	18.946	18.988	VV	19221	374699	2.21%	0.048%

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300	19.006	18.988	19.035	VV	15472	391120	2.30%	0.051%
301	19.056	19.035	19.067	VV	12378	221380	1.30%	0.029%
302	19.098	19.067	19.129	VV	15976	522249	3.08%	0.067%
303	19.174	19.129	19.199	VV	15426	569163	3.35%	0.073%
304	19.250	19.199	19.289	VV	21829	867443	5.11%	0.112%
305	19.319	19.289	19.364	VV	17493	581952	3.43%	0.075%
306	19.407	19.364	19.474	VV	21363	1014532	5.98%	0.131%
307	19.537	19.474	19.560	VV	17173	763077	4.50%	0.099%
308	19.628	19.560	19.668	VV	34420	1482787	8.74%	0.191%
309	19.685	19.668	19.696	VV	15920	247800	1.46%	0.032%
310	19.726	19.696	19.760	VV	21876	680439	4.01%	0.088%
311	19.802	19.760	19.817	VV	19514	613869	3.62%	0.079%
312	19.829	19.817	19.843	VV	19986	299690	1.77%	0.039%
313	19.872	19.843	19.892	VV	21087	583035	3.44%	0.075%
314	19.900	19.892	19.910	VV	20356	220550	1.30%	0.028%
315	20.024	19.910	20.074	VV	36248	2510555	14.79%	0.324%
316	20.138	20.074	20.168	VV	26642	1335154	7.87%	0.172%
317	20.231	20.168	20.247	VV	28445	1247537	7.35%	0.161%
318	20.255	20.247	20.264	VV	28559	280644	1.65%	0.036%
319	20.312	20.264	20.323	VV	32357	1060499	6.25%	0.137%
320	20.342	20.323	20.367	VV	37265	864806	5.10%	0.112%
321	20.405	20.367	20.429	VV	36328	1255739	7.40%	0.162%
322	20.440	20.429	20.472	VV	32552	796604	4.69%	0.103%
323	20.516	20.472	20.526	VV	37413	1079910	6.36%	0.139%
324	20.547	20.526	20.573	VV	37765	1030664	6.07%	0.133%
325	20.608	20.573	20.635	VV	37119	1309295	7.72%	0.169%
326	20.707	20.635	20.728	VV	36943	2003785	11.81%	0.259%
327	20.742	20.728	20.753	VV	35734	525312	3.10%	0.068%
328	20.764	20.753	20.774	VV	36000	441575	2.60%	0.057%
329	20.819	20.774	20.871	VV	41795	2224139	13.11%	0.287%
330	20.925	20.871	20.990	VV	43690	2721719	16.04%	0.351%
331	21.029	20.990	21.042	VV	35987	1102044	6.49%	0.142%
332	21.067	21.042	21.104	VV	40733	1304620	7.69%	0.168%
333	21.119	21.104	21.134	VV	30765	553000	3.26%	0.071%
334	21.141	21.134	21.152	VV	31131	316946	1.87%	0.041%
335	21.161	21.152	21.208	VV	30371	976804	5.76%	0.126%
336	21.221	21.208	21.264	VV	28632	937106	5.52%	0.121%
337	21.297	21.264	21.324	VV	26971	945250	5.57%	0.122%
338	21.343	21.324	21.453	VV	27315	1836741	10.82%	0.237%
339	21.482	21.453	21.492	VV	22044	500876	2.95%	0.065%
340	21.497	21.492	21.548	VV	21786	667409	3.93%	0.086%
341	21.587	21.548	21.671	VV	21917	1420238	8.37%	0.183%
342	21.696	21.671	21.731	VV	16607	572803	3.38%	0.074%
343	21.742	21.731	21.752	VV	15466	193850	1.14%	0.025%
344	21.761	21.752	21.787	VV	15328	303523	1.79%	0.039%
345	21.818	21.787	21.865	VV	14548	647861	3.82%	0.084%
346	21.874	21.865	21.888	VV	12901	174844	1.03%	0.023%
347	21.897	21.888	21.904	VV	12361	117660	0.69%	0.015%
348	21.953	21.904	22.042	VV	24573	1217667	7.18%	0.157%
349	22.116	22.042	22.156	VV	10571	667807	3.94%	0.086%
350	22.171	22.156	22.201	VBA	8810	313084	1.84%	0.040%

Sum of corrected areas: 774402348

Aliphatic EPH 110724.M Mon Nov 11 00:52:18 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-3DL		SDG No.:	P4721	
Lab Sample ID:	P4721-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.3	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048693.D	5	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	28.7		1.70	3.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	74.2		1.92	5.66	mg/kg
Aromatic C16-C21	Aromatic C16-C21	157		5.43	9.43	mg/kg
Aromatic C21-C36	Aromatic C21-C36	38.8		11.3	15.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	16.1		40 - 140	160%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	13.1		40 - 140	131%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	10.4		40 - 140	104%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-03DL	Acq On:	11 Nov 2024 11:39
Client Sample ID:	EX-2-TPH-3DL	Operator:	YP/AJ
Data file:	FD048693.D	Misc:	
Instrument:	FID_D	ALS Vial:	59
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.090	5.808	13392049	76.004	200	ug/ml
Aromatic C12-C16	5.809	8.414	34875421	196.732	300	ug/ml
Aromatic C16-C21	8.415	12.677	68499688	418.108	500	ug/ml
Aromatic C21-C36	12.678	18.084	15720052	102.938	800	ug/ml
Aromatic EPH	4.090	18.084	132487210	793.782		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	1769767	10.39		ug/ml
2-Bromonaphthalene (SURR)	7.368	7.368	2436382	16.05		ug/ml
2-Flurobiphenyl (SURR)	8.218	8.218	1287744	13.11		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048693.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:39
Operator : YP/AJ
Sample : P4721-03DL 5X
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:23 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...	7.368	2436382	16.052 ug/mlm
Spiked Amount 50.000		Recovery =	32.10%
6) S 2-Flurobiphenyl (SURR)	8.218	1287744	13.115 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	26.23%
11) S ortho-Terphenyl (SURR)	11.253	1769767	10.390 ug/mlm
Spiked Amount 50.000		Recovery =	20.78%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048693.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:39
Operator : YP/AJ
Sample : P4721-03DL 5X
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3DL

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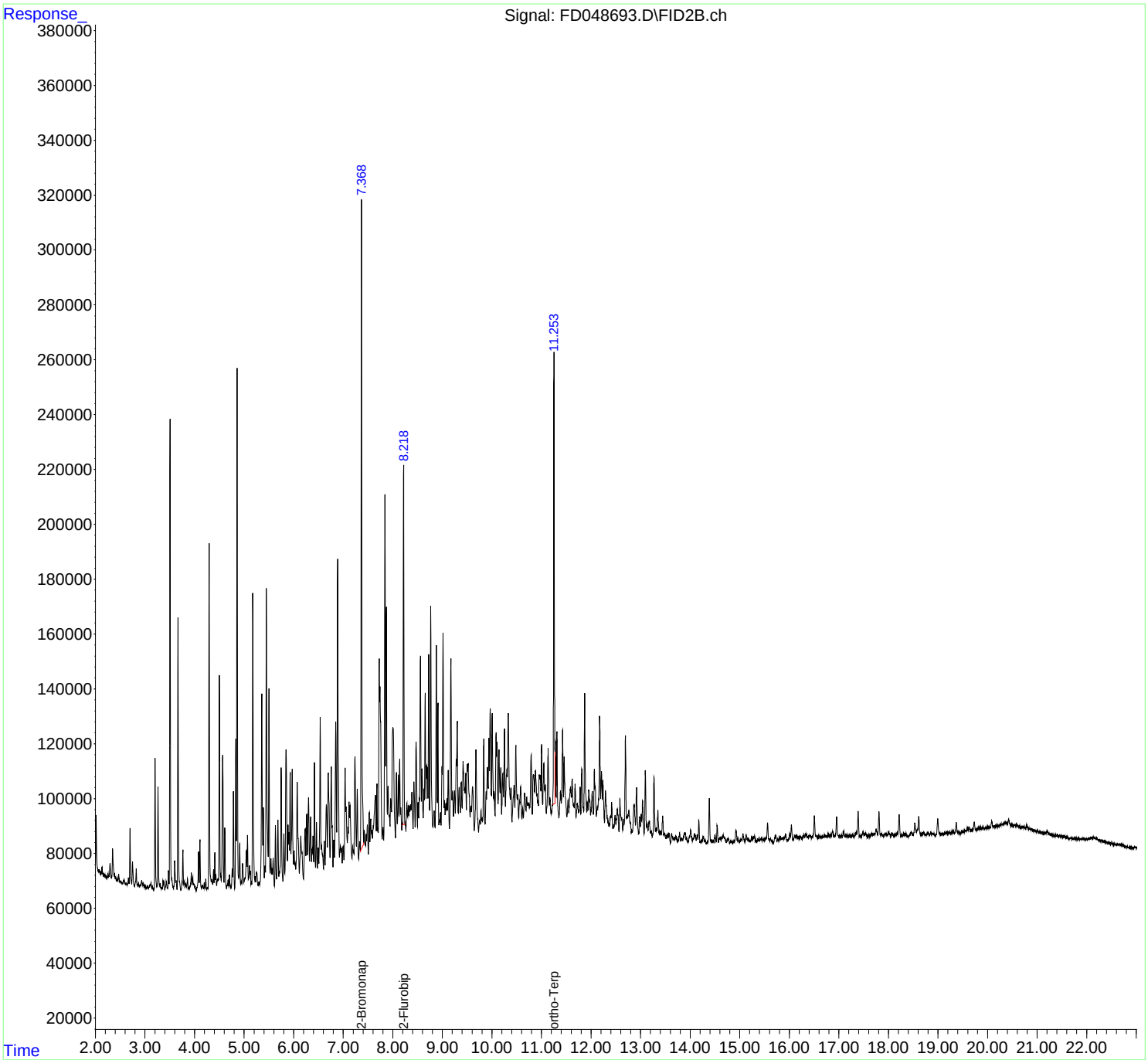
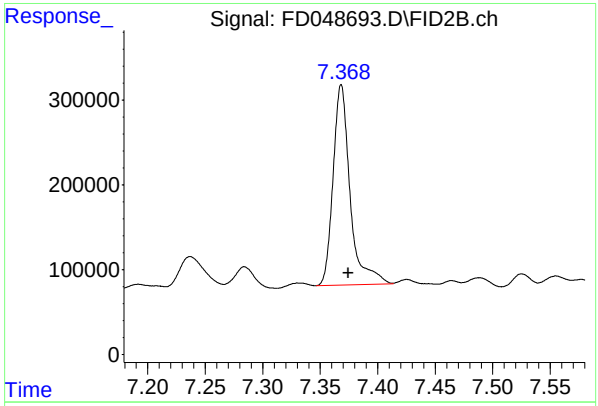
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:23 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.: 7.368 min
Delta R.T.: -0.007 mi
Response: 2436382
Conc: 16.05 ug/m

Instrument :
FID_D
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EX-2-TPH-3DL

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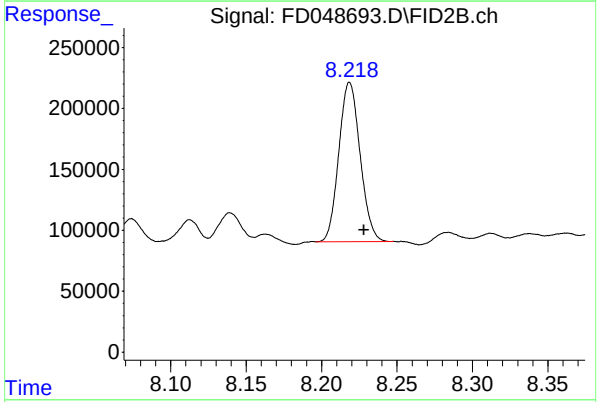
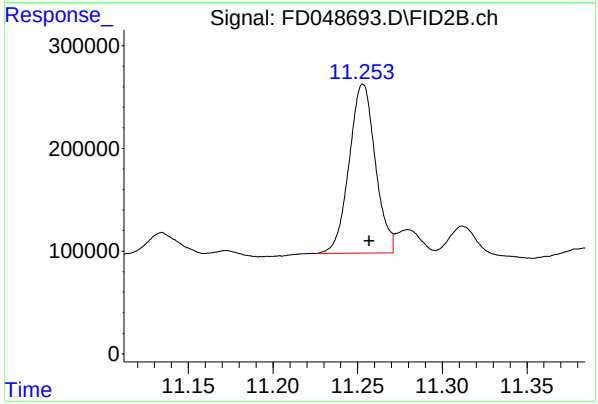


#6 2-Flurobiphenyl (SURR)

R.T.: 8.218 min
Delta R.T.: -0.010 min
Response: 1287744
Conc: 13.11 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.253 min
Delta R.T.: -0.004 min
Response: 1769767
Conc: 10.39 ug/ml m

Instrument :
FID_D
ClientSampleId :
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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11112
Data File : FD048693.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:39
Sample : P4721-03DL 5X
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: sample.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	4.081	4.042	4.094	PV	11829	103346	3.56%	0.075%
2	4.109	4.094	4.145	PV	16117	133728	4.61%	0.097%
3	4.159	4.145	4.180	PV	997	9854	0.34%	0.007%
4	4.196	4.180	4.208	PV	2180	18421	0.63%	0.013%
5	4.227	4.208	4.243	VV	3711	36008	1.24%	0.026%
6	4.256	4.243	4.263	PV	556	4111	0.14%	0.003%
7	4.295	4.263	4.336	VV	126092	1169427	40.28%	0.846%
8	4.345	4.336	4.365	VV	3640	47208	1.63%	0.034%
9	4.384	4.365	4.396	VV	7103	79289	2.73%	0.057%
10	4.409	4.396	4.422	VV	13372	122195	4.21%	0.088%
11	4.430	4.422	4.447	VV	5551	51864	1.79%	0.038%
12	4.462	4.447	4.470	VV	3590	39292	1.35%	0.028%
13	4.479	4.470	4.484	VV	3886	27784	0.96%	0.020%
14	4.501	4.484	4.522	VV	77789	716759	24.69%	0.518%
15	4.527	4.522	4.538	VV	4962	40125	1.38%	0.029%
16	4.568	4.538	4.594	VV	48689	710764	24.48%	0.514%
17	4.611	4.594	4.645	VV	22239	233448	8.04%	0.169%
18	4.677	4.645	4.690	VV	3215	44093	1.52%	0.032%
19	4.704	4.690	4.723	VV	5020	51064	1.76%	0.037%
20	4.729	4.723	4.740	VV	890	7322	0.25%	0.005%
21	4.761	4.740	4.770	VV	7348	69058	2.38%	0.050%
22	4.785	4.770	4.811	VV	35400	337980	11.64%	0.244%
23	4.833	4.811	4.844	PV	54402	475590	16.38%	0.344%
24	4.859	4.844	4.885	VV	189638	1768780	60.93%	1.279%
25	4.911	4.885	4.930	VV	16467	195043	6.72%	0.141%
26	4.943	4.930	4.953	VV	2375	28900	1.00%	0.021%
27	4.969	4.953	4.991	VV	8951	119787	4.13%	0.087%
28	5.002	4.991	5.007	VV	3149	25175	0.87%	0.018%
29	5.045	5.007	5.057	VV	13573	206544	7.11%	0.149%
30	5.069	5.057	5.086	VV	19271	195555	6.74%	0.141%
31	5.109	5.086	5.119	VV	8009	103962	3.58%	0.075%
32	5.126	5.119	5.140	VV	6017	50953	1.76%	0.037%
33	5.149	5.140	5.155	VV	1806	13891	0.48%	0.010%
34	5.175	5.155	5.214	VV	107212	1141333	39.31%	0.825%
35	5.221	5.214	5.233	VV	3938	35278	1.22%	0.026%
36	5.249	5.233	5.253	VV	5221	46507	1.60%	0.034%

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37	5.258	5.253	5.280	VV	5236	49339	1.70%	0.036%
38	5.299	5.280	5.312	VV	1809	22938		
39	5.357	5.312	5.378	VV	70308	885142	3	
40	5.389	5.378	5.407	VV	29018	294279	1	
41	5.421	5.407	5.431	VV	7480	84983	2	
42	5.449	5.431	5.486	VV	108670	1335418	4	
43	5.502	5.486	5.527	VV	71940	717782	24.72%	0.519%
44	5.542	5.527	5.555	VV	10091	122991	4.24%	0.089%
45	5.564	5.555	5.574	VV	6469	59832	2.06%	0.043%
46	5.587	5.574	5.611	VV	10286	116258	4.00%	0.084%
47	5.633	5.611	5.654	PV	21959	224590	7.74%	0.162%
48	5.683	5.654	5.701	VV	24136	311377	10.73%	0.225%
49	5.749	5.701	5.784	VV	42930	606690	20.90%	0.439%
50	5.803	5.784	5.821	VV	18842	203338	7.00%	0.147%
51	5.847	5.821	5.874	VV	49420	831246	28.63%	0.601%
52	5.887	5.874	5.897	VV	22015	224383	7.73%	0.162%
53	5.906	5.897	5.915	VV	19123	177866	6.13%	0.129%
54	5.929	5.915	5.944	VV	41015	437441	15.07%	0.316%
55	5.971	5.944	5.997	VV	42120	651177	22.43%	0.471%
56	6.010	5.997	6.023	VV	12267	150576	5.19%	0.109%
57	6.029	6.023	6.042	VV	7715	76684	2.64%	0.055%
58	6.072	6.042	6.115	VV	37263	716306	24.67%	0.518%
59	6.144	6.115	6.199	VV	17428	474100	16.33%	0.343%
60	6.232	6.199	6.247	VV	19927	354029	12.19%	0.256%
61	6.263	6.247	6.278	VV	25361	337319	11.62%	0.244%
62	6.301	6.278	6.321	VV	31319	518152	17.85%	0.375%
63	6.343	6.321	6.361	VV	24274	373035	12.85%	0.270%
64	6.373	6.361	6.379	VV	12459	120339	4.15%	0.087%
65	6.391	6.379	6.405	VV	17101	204909	7.06%	0.148%
66	6.420	6.405	6.442	VV	43818	471024	16.22%	0.341%
67	6.461	6.442	6.479	VV	22096	279016	9.61%	0.202%
68	6.497	6.479	6.508	VV	12664	157092	5.41%	0.114%
69	6.537	6.508	6.554	VV	60065	750534	25.85%	0.543%
70	6.561	6.554	6.602	VV	13533	294801	10.15%	0.213%
71	6.619	6.602	6.635	VV	14941	197332	6.80%	0.143%
72	6.661	6.635	6.681	VV	27981	532790	18.35%	0.385%
73	6.698	6.681	6.735	VV	39647	799920	27.55%	0.578%
74	6.759	6.735	6.795	VV	41910	775121	26.70%	0.560%
75	6.808	6.795	6.823	VV	15070	185704	6.40%	0.134%
76	6.851	6.823	6.868	VV	58068	862274	29.70%	0.623%
77	6.888	6.868	6.925	VV	117031	1632613	56.24%	1.180%
78	6.945	6.925	6.956	VV	12781	205669	7.08%	0.149%
79	6.966	6.956	6.981	VV	11880	146883	5.06%	0.106%
80	6.998	6.981	7.015	VV	12507	204891	7.06%	0.148%
81	7.039	7.015	7.052	VV	40995	525601	18.10%	0.380%
82	7.058	7.052	7.085	VV	26736	412477	14.21%	0.298%
83	7.097	7.085	7.103	VV	19143	190317	6.56%	0.138%
84	7.117	7.103	7.126	VV	28494	328177	11.30%	0.237%
85	7.137	7.126	7.177	VV	27125	547144	18.85%	0.396%
86	7.192	7.177	7.215	VV	12395	238172	8.20%	0.172%
87	7.237	7.215	7.266	VV	44917	804610	27.72%	0.582%
88	7.284	7.266	7.312	VV	32949	508528	17.52%	0.368%
89	7.332	7.312	7.346	VV	13573	226800	7.81%	0.164%

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90	7.368	7.346	7.413	VV	247910	2903084	100.00%	2.099%
91	7.425	7.413	7.454	VV	17841	345994	11	
92	7.464	7.454	7.473	VV	16234	172209	5	
93	7.488	7.473	7.508	VV	19514	317918	10	
94	7.525	7.508	7.540	VV	24047	328979	11	
95	7.555	7.540	7.569	VV	21691	322928	11	
96	7.577	7.569	7.590	VV	17599	208050	7.17%	0.150%
97	7.608	7.590	7.613	VV	19331	242146	8.34%	0.175%
98	7.653	7.613	7.668	VV	30240	806378	27.78%	0.583%
99	7.681	7.668	7.695	VV	34288	415591	14.32%	0.301%
100	7.701	7.695	7.708	VV	18311	128688	4.43%	0.093%
101	7.727	7.708	7.736	VV	79799	877675	30.23%	0.635%
102	7.742	7.736	7.787	VV	69499	1335511	46.00%	0.966%
103	7.802	7.787	7.817	VV	18223	289249	9.96%	0.209%
104	7.843	7.817	7.858	VV	139508	1676477	57.75%	1.212%
105	7.871	7.858	7.891	VV	98482	1158876	39.92%	0.838%
106	7.905	7.891	7.927	VV	33092	595391	20.51%	0.431%
107	7.932	7.927	7.944	VV	22489	214231	7.38%	0.155%
108	7.959	7.944	7.975	VV	28512	461895	15.91%	0.334%
109	8.003	7.975	8.054	VV	54368	1725729	59.44%	1.248%
110	8.074	8.054	8.092	VV	37876	576529	19.86%	0.417%
111	8.113	8.092	8.125	VV	37023	534057	18.40%	0.386%
112	8.139	8.125	8.155	VV	42736	587140	20.22%	0.425%
113	8.163	8.155	8.183	VV	25010	351715	12.12%	0.254%
114	8.219	8.183	8.265	VV	149637	2199434	75.76%	1.590%
115	8.284	8.265	8.299	VV	26327	455807	15.70%	0.330%
116	8.312	8.299	8.325	VV	25542	366273	12.62%	0.265%
117	8.338	8.325	8.349	VV	25166	334712	11.53%	0.242%
118	8.362	8.349	8.371	VV	25643	333292	11.48%	0.241%
119	8.385	8.371	8.410	VV	30136	587495	20.24%	0.425%
120	8.427	8.410	8.452	VV	33838	649914	22.39%	0.470%
121	8.471	8.452	8.498	VV	48340	905080	31.18%	0.654%
122	8.511	8.498	8.523	VV	26343	346364	11.93%	0.250%
123	8.558	8.523	8.579	VV	79738	1419375	48.89%	1.026%
124	8.592	8.579	8.615	VV	38385	635357	21.89%	0.459%
125	8.630	8.615	8.639	VV	31070	386559	13.32%	0.280%
126	8.655	8.639	8.671	VV	65895	855160	29.46%	0.618%
127	8.683	8.671	8.692	VV	39594	460993	15.88%	0.333%
128	8.701	8.692	8.711	VV	38864	399397	13.76%	0.289%
129	8.726	8.711	8.743	VV	79546	954515	32.88%	0.690%
130	8.767	8.743	8.808	VV	97223	1648003	56.77%	1.192%
131	8.836	8.808	8.852	VV	22683	522462	18.00%	0.378%
132	8.881	8.852	8.898	VV	82955	1196371	41.21%	0.865%
133	8.912	8.898	8.930	VV	61902	756981	26.08%	0.547%
134	8.942	8.930	8.950	VV	19370	223639	7.70%	0.162%
135	8.963	8.950	8.975	VV	22029	298118	10.27%	0.216%
136	8.994	8.975	9.000	VV	38884	427471	14.72%	0.309%
137	9.015	9.000	9.035	VV	87304	1146452	39.49%	0.829%
138	9.044	9.035	9.057	VV	26288	320349	11.03%	0.232%
139	9.073	9.057	9.081	VV	25182	342909	11.81%	0.248%
140	9.093	9.081	9.104	VV	26810	339338	11.69%	0.245%
141	9.120	9.104	9.145	VV	37105	648801	22.35%	0.469%

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rteres

142	9.174	9.145	9.195	VV	77669	1267384	43.66%	0.916%
143	9.205	9.195	9.226	VV	29031	477832	16	
144	9.245	9.226	9.263	VV	29339	566846	19	
145	9.282	9.263	9.289	VV	40947	502781	17	
146	9.301	9.289	9.321	VV	54842	765091	26	
147	9.339	9.321	9.364	VV	30510	657382	22	
148	9.380	9.364	9.400	VV	32354	579790	19.97%	0.419%
149	9.420	9.400	9.445	VV	39971	889853	30.65%	0.643%
150	9.452	9.445	9.460	VV	30241	260852	8.99%	0.189%
151	9.472	9.460	9.486	VV	35493	474950	16.36%	0.343%
152	9.504	9.486	9.513	VV	38804	527631	18.17%	0.382%
153	9.522	9.513	9.560	VV	39072	853411	29.40%	0.617%
154	9.575	9.560	9.590	VV	23220	385923	13.29%	0.279%
155	9.610	9.590	9.644	VV	30472	798885	27.52%	0.578%
156	9.679	9.644	9.732	VV	43805	1264663	43.56%	0.914%
157	9.751	9.732	9.767	VV	17696	352861	12.15%	0.255%
158	9.782	9.767	9.792	VV	21456	291908	10.06%	0.211%
159	9.798	9.792	9.814	VV	18693	233621	8.05%	0.169%
160	9.836	9.814	9.863	VV	47548	831144	28.63%	0.601%
161	9.884	9.863	9.892	VV	28153	403794	13.91%	0.292%
162	9.910	9.892	9.926	VV	37005	649169	22.36%	0.469%
163	9.940	9.926	9.951	VV	47658	591750	20.38%	0.428%
164	9.967	9.951	9.990	VV	58284	1003760	34.58%	0.726%
165	10.007	9.990	10.035	VV	56514	1044267	35.97%	0.755%
166	10.044	10.035	10.064	VV	28117	434581	14.97%	0.314%
167	10.085	10.064	10.098	VV	49385	752504	25.92%	0.544%
168	10.106	10.098	10.125	VV	46010	599544	20.65%	0.434%
169	10.144	10.125	10.166	VV	43079	822263	28.32%	0.595%
170	10.180	10.166	10.197	VV	36570	553916	19.08%	0.401%
171	10.219	10.197	10.235	VV	34343	656184	22.60%	0.474%
172	10.255	10.235	10.273	VV	50710	812412	27.98%	0.587%
173	10.303	10.273	10.312	VV	35806	731500	25.20%	0.529%
174	10.331	10.312	10.375	VV	56091	1418760	48.87%	1.026%
175	10.387	10.375	10.405	VV	28726	439426	15.14%	0.318%
176	10.447	10.405	10.464	VV	29687	837352	28.84%	0.605%
177	10.484	10.464	10.511	VV	44241	901149	31.04%	0.652%
178	10.522	10.511	10.540	VV	26093	409590	14.11%	0.296%
179	10.581	10.540	10.605	VV	28952	906050	31.21%	0.655%
180	10.622	10.605	10.636	VV	21257	360420	12.42%	0.261%
181	10.661	10.636	10.689	VV	26628	710220	24.46%	0.514%
182	10.702	10.689	10.716	VV	25008	371190	12.79%	0.268%
183	10.721	10.716	10.737	VV	22979	285895	9.85%	0.207%
184	10.741	10.737	10.767	VV	22808	392879	13.53%	0.284%
185	10.793	10.767	10.816	VV	40270	883916	30.45%	0.639%
186	10.836	10.816	10.862	VV	32971	808137	27.84%	0.584%
187	10.879	10.862	10.904	VV	34513	758924	26.14%	0.549%
188	10.908	10.904	10.922	VV	25702	267759	9.22%	0.194%
189	10.928	10.922	10.939	VV	23661	229705	7.91%	0.166%
190	10.957	10.939	10.968	VV	32918	500910	17.25%	0.362%
191	10.974	10.968	10.988	VV	32610	371403	12.79%	0.269%
192	11.003	10.988	11.024	VV	43691	695250	23.95%	0.503%
193	11.047	11.024	11.065	VV	36898	740587	25.51%	0.535%
194	11.076	11.065	11.099	VV	28993	503249	17.33%	0.364%

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Supervised By :Ankita Jodhani 11/12/2024

rteres

195	11.134	11.099	11.160	VV	42038	1027936	35.41%	0.743%
196	11.172	11.160	11.192	VV	24344	420954	14	
197	11.253	11.192	11.273	VV	186438	2798669	96	
198	11.280	11.273	11.296	VV	44668	517959	17	
199	11.312	11.296	11.353	VV	47990	968907	33	
200	11.384	11.353	11.401	VV	26503	633167	21	
201	11.426	11.401	11.444	VV	48456	854599	29.44%	0.618%
202	11.459	11.444	11.513	VV	38643	1088285	37.49%	0.787%
203	11.536	11.513	11.551	VV	22795	451115	15.54%	0.326%
204	11.586	11.551	11.602	VV	27358	727600	25.06%	0.526%
205	11.619	11.602	11.661	VV	30383	851019	29.31%	0.615%
206	11.679	11.661	11.697	VV	28382	483663	16.66%	0.350%
207	11.724	11.697	11.749	VV	21452	607191	20.92%	0.439%
208	11.779	11.749	11.794	VV	27055	558394	19.23%	0.404%
209	11.813	11.794	11.839	VV	33626	686717	23.65%	0.497%
210	11.842	11.839	11.852	VV	19757	147838	5.09%	0.107%
211	11.873	11.852	11.913	VV	61294	1191621	41.05%	0.862%
212	11.927	11.913	11.938	VV	21220	292175	10.06%	0.211%
213	11.954	11.938	11.990	VV	26029	674026	23.22%	0.487%
214	12.024	11.990	12.048	VV	25145	709986	24.46%	0.513%
215	12.067	12.048	12.079	VV	33242	478263	16.47%	0.346%
216	12.084	12.079	12.105	VV	27017	359015	12.37%	0.260%
217	12.127	12.105	12.135	VV	19401	324186	11.17%	0.234%
218	12.175	12.135	12.194	VV	52449	1066239	36.73%	0.771%
219	12.211	12.194	12.226	VV	32261	525881	18.11%	0.380%
220	12.239	12.226	12.271	VV	28926	591628	20.38%	0.428%
221	12.290	12.271	12.362	VV	25154	928317	31.98%	0.671%
222	12.390	12.362	12.404	VV	15606	352457	12.14%	0.255%
223	12.416	12.404	12.442	VV	20592	367707	12.67%	0.266%
224	12.454	12.442	12.464	VV	12615	155537	5.36%	0.112%
225	12.484	12.464	12.501	VV	15919	310679	10.70%	0.225%
226	12.529	12.501	12.563	VV	18153	550281	18.96%	0.398%
227	12.583	12.563	12.611	VV	21713	470599	16.21%	0.340%
228	12.619	12.611	12.640	VV	14866	221650	7.63%	0.160%
229	12.658	12.640	12.666	VV	14188	189266	6.52%	0.137%
230	12.695	12.666	12.717	VV	44548	770616	26.54%	0.557%
231	12.722	12.717	12.732	VV	14932	132902	4.58%	0.096%
232	12.739	12.732	12.745	VV	15550	119215	4.11%	0.086%
233	12.760	12.745	12.789	VV	17081	402541	13.87%	0.291%
234	12.793	12.789	12.815	VV	12830	170878	5.89%	0.124%
235	12.825	12.815	12.833	VV	9659	104717	3.61%	0.076%
236	12.864	12.833	12.897	VV	19137	565935	19.49%	0.409%
237	12.919	12.897	12.958	VV	25324	558392	19.23%	0.404%
238	12.981	12.958	12.993	VV	14574	246765	8.50%	0.178%
239	13.012	12.993	13.023	VV	15423	251672	8.67%	0.182%
240	13.041	13.023	13.070	VV	20419	406968	14.02%	0.294%
241	13.094	13.070	13.121	VV	31313	551935	19.01%	0.399%
242	13.132	13.121	13.151	VV	11725	191908	6.61%	0.139%
243	13.179	13.151	13.199	VV	12850	320498	11.04%	0.232%
244	13.214	13.199	13.235	VV	8998	177958	6.13%	0.129%
245	13.270	13.235	13.300	VV	28727	555980	19.15%	0.402%
246	13.317	13.300	13.330	VV	10053	171157	5.90%	0.124%

Instrument :
FID_D
ClientSampleId :
EX-2-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	13.347	13.330	13.384	VV	16447	358277	12.34%	0.259%
248	13.401	13.384	13.416	VV	8835	155256	5	
249	13.445	13.416	13.473	VV	14181	338916	11	
250	13.486	13.473	13.510	VV	7927	158234	5	
251	13.541	13.510	13.562	VV	7131	209322	7	
252	13.575	13.562	13.602	VV	7700	146385	5	
253	13.626	13.602	13.663	VV	7611	216891	7.47%	0.157%
254	13.674	13.663	13.697	VV	5865	114416	3.94%	0.083%
255	13.709	13.697	13.727	VV	6529	108456	3.74%	0.078%
256	13.734	13.727	13.750	VV	5912	71779	2.47%	0.052%
257	13.787	13.750	13.804	VV	7551	184583	6.36%	0.133%
258	13.830	13.804	13.850	VV	5681	142673	4.91%	0.103%
259	13.884	13.850	13.889	VV	7308	142273	4.90%	0.103%
260	13.899	13.889	13.918	VV	7477	116744	4.02%	0.084%
261	13.923	13.918	13.963	VV	5492	126382	4.35%	0.091%
262	14.008	13.963	14.047	VV	8330	299374	10.31%	0.216%
263	14.065	14.047	14.070	VV	5231	68039	2.34%	0.049%
264	14.085	14.070	14.122	VV	6701	177991	6.13%	0.129%
265	14.144	14.122	14.156	VV	6442	111039	3.82%	0.080%
266	14.174	14.156	14.200	VV	11676	188808	6.50%	0.137%
267	14.232	14.200	14.239	VV	4358	90253	3.11%	0.065%
268	14.243	14.239	14.247	VV	4184	20008	0.69%	0.014%
269	14.266	14.247	14.288	VV	5585	115687	3.98%	0.084%
270	14.300	14.288	14.326	VV	4479	83701	2.88%	0.061%
271	14.335	14.326	14.341	VV	3325	29299	1.01%	0.021%
272	14.385	14.341	14.420	VV	19324	349852	12.05%	0.253%
273	14.431	14.420	14.452	VV	3931	69343	2.39%	0.050%
274	14.466	14.452	14.480	VV	4158	60217	2.07%	0.044%
275	14.498	14.480	14.522	VV	5579	109933	3.79%	0.079%
276	14.543	14.522	14.569	VV	8917	156613	5.39%	0.113%
277	14.604	14.569	14.624	VV	4690	135754	4.68%	0.098%
278	14.632	14.624	14.645	VV	4453	53957	1.86%	0.039%
279	14.662	14.645	14.719	VV	5471	197448	6.80%	0.143%
280	14.722	14.719	14.727	VV	3194	14706	0.51%	0.011%
281	14.732	14.727	14.737	VV	3095	18168	0.63%	0.013%
282	14.764	14.737	14.792	VV	4185	118220	4.07%	0.085%
283	14.817	14.792	14.822	VV	3135	49240	1.70%	0.036%
284	14.839	14.822	14.862	VV	3066	63981	2.20%	0.046%
285	14.889	14.862	14.894	VV	3037	51971	1.79%	0.038%
286	14.925	14.894	14.953	VV	6916	171375	5.90%	0.124%
287	14.965	14.953	14.999	VV	3764	78504	2.70%	0.057%
288	15.019	14.999	15.029	VV	3447	54510	1.88%	0.039%
289	15.034	15.029	15.045	VV	3569	30944	1.07%	0.022%
290	15.063	15.045	15.111	VV	5311	146076	5.03%	0.106%
291	15.129	15.111	15.149	VV	5120	90450	3.12%	0.065%
292	15.154	15.149	15.157	VV	3371	16078	0.55%	0.012%
293	15.166	15.157	15.187	VV	3588	57738	1.99%	0.042%
294	15.193	15.187	15.199	VV	2681	17420	0.60%	0.013%
295	15.205	15.199	15.220	VV	2640	31352	1.08%	0.023%
296	15.239	15.220	15.257	VV	4126	73283	2.52%	0.053%
297	15.276	15.257	15.280	VV	3892	49081	1.69%	0.035%
298	15.292	15.280	15.317	VV	4179	76512	2.64%	0.055%
299	15.319	15.317	15.337	VV	2745	28945	1.00%	0.021%

Instrument :
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EX-2-TPH-3DL

Manual IntegrationsAPPROVED

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rteres

300	15.358	15.337	15.374	VV	3217	56272	1.94%	0.041%
301	15.379	15.374	15.384	VV	2580	14985		
302	15.386	15.384	15.395	VV	2630	16960		
303	15.404	15.395	15.409	VV	3015	22692		
304	15.414	15.409	15.423	VV	2862	22402		
305	15.450	15.423	15.473	VV	3200	85133		
306	15.486	15.473	15.497	VV	2644	36343	1.25%	0.026%
307	15.501	15.497	15.503	VV	2570	9170	0.32%	0.007%
308	15.521	15.503	15.528	VV	2980	40677	1.40%	0.029%
309	15.561	15.528	15.588	VV	8415	172628	5.95%	0.125%
310	15.592	15.588	15.601	VV	2651	19088	0.66%	0.014%
311	15.625	15.601	15.657	VV	2647	71821	2.47%	0.052%
312	15.660	15.657	15.684	VV	1710	21996	0.76%	0.016%
313	15.726	15.684	15.750	VV	3984	106375	3.66%	0.077%
314	15.765	15.750	15.787	VV	2561	45247	1.56%	0.033%
315	15.811	15.787	15.847	VV	3431	95443	3.29%	0.069%
316	15.865	15.847	15.875	VV	2740	44215	1.52%	0.032%
317	15.890	15.875	15.900	VV	2914	40452	1.39%	0.029%
318	15.924	15.900	15.954	VV	4096	93394	3.22%	0.068%
319	15.972	15.954	15.980	VV	2077	29565	1.02%	0.021%
320	16.009	15.980	16.024	VV	4110	79406	2.74%	0.057%
321	16.043	16.024	16.074	VV	7219	125787	4.33%	0.091%
322	16.078	16.074	16.083	VV	1761	9131	0.31%	0.007%
323	16.103	16.083	16.119	VV	3233	55888	1.93%	0.040%
324	16.137	16.119	16.148	VV	3366	52233	1.80%	0.038%
325	16.152	16.148	16.176	VV	3111	45050	1.55%	0.033%
326	16.191	16.176	16.197	VV	2751	32233	1.11%	0.023%
327	16.200	16.197	16.204	VV	2386	9368	0.32%	0.007%
328	16.222	16.204	16.235	VV	2742	46294	1.59%	0.033%
329	16.240	16.235	16.267	VV	2606	41504	1.43%	0.030%
330	16.294	16.267	16.313	VV	3451	75432	2.60%	0.055%
331	16.332	16.313	16.367	VV	3487	95078	3.28%	0.069%
332	16.374	16.367	16.380	VV	2432	17116	0.59%	0.012%
333	16.401	16.380	16.420	VV	2903	63461	2.19%	0.046%
334	16.431	16.420	16.447	VV	2717	38621	1.33%	0.028%
335	16.452	16.447	16.458	VV	2253	13578	0.47%	0.010%
336	16.473	16.458	16.477	VV	2757	28025	0.97%	0.020%
337	16.504	16.477	16.541	VV	9860	187161	6.45%	0.135%
338	16.546	16.541	16.568	VV	2564	36712	1.26%	0.027%
339	16.571	16.568	16.592	VV	2078	28102	0.97%	0.020%
340	16.602	16.592	16.622	VV	2581	38420	1.32%	0.028%
341	16.635	16.622	16.653	VV	1987	33963	1.17%	0.025%
342	16.669	16.653	16.687	VV	2334	41265	1.42%	0.030%
343	16.707	16.687	16.724	VV	2690	49276	1.70%	0.036%
344	16.731	16.724	16.747	VV	2460	29348	1.01%	0.021%
345	16.757	16.747	16.765	VV	2286	22602	0.78%	0.016%
346	16.785	16.765	16.810	VV	2812	61432	2.12%	0.044%
347	16.821	16.810	16.846	VV	2612	49886	1.72%	0.036%
348	16.871	16.846	16.902	VV	3804	91740	3.16%	0.066%
349	16.907	16.902	16.916	VV	2129	15953	0.55%	0.012%
350	16.923	16.916	16.927	VV	1932	12402	0.43%	0.009%
351	16.954	16.927	17.001	VV	8838	174549	6.01%	0.126%

Instrument :
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EX-2-TPH-3DL

Manual IntegrationsAPPROVED

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rteres

352	17.009	17.001	17.028	VV	1837	25802	0.89%	0.019%
353	17.046	17.028	17.073	VV	2204	45626	1	
354	17.096	17.073	17.129	VV	3522	74686	2	
355	17.136	17.129	17.140	VV	1691	9783	0	
356	17.151	17.140	17.159	VV	1873	18006	0	
357	17.167	17.159	17.176	VV	1686	15631	0	
358	17.187	17.176	17.195	VV	1631	16402	0.56%	0.012%
359	17.214	17.195	17.221	VV	1664	21635	0.75%	0.016%
360	17.232	17.221	17.248	VV	1726	23634	0.81%	0.017%
361	17.254	17.248	17.258	VV	1408	7616	0.26%	0.006%
362	17.264	17.258	17.268	VV	1624	9346	0.32%	0.007%
363	17.278	17.268	17.302	VV	1910	31608	1.09%	0.023%
364	17.324	17.302	17.333	VV	2282	29500	1.02%	0.021%
365	17.356	17.333	17.364	VV	2705	43179	1.49%	0.031%
366	17.388	17.364	17.410	VV	10167	149051	5.13%	0.108%
367	17.415	17.410	17.439	VV	1301	18132	0.62%	0.013%
368	17.488	17.439	17.509	VV	2761	68955	2.38%	0.050%
369	17.514	17.509	17.522	VV	1871	11906	0.41%	0.009%
370	17.540	17.522	17.576	VV	2173	46427	1.60%	0.034%
371	17.600	17.576	17.629	VV	1417	30022	1.03%	0.022%
372	17.670	17.629	17.696	VV	1758	54143	1.87%	0.039%
373	17.712	17.696	17.726	VV	1773	24495	0.84%	0.018%
374	17.752	17.726	17.784	VV	3121	72845	2.51%	0.053%
375	17.809	17.784	17.836	VV	9575	139547	4.81%	0.101%
376	17.850	17.836	17.865	VV	1485	20149	0.69%	0.015%
377	17.869	17.865	17.908	VV	1128	17226	0.59%	0.012%
378	17.936	17.908	17.952	VV	1528	26637	0.92%	0.019%
379	17.956	17.952	17.977	VV	1064	12261	0.42%	0.009%
380	18.007	17.977	18.036	VV	1663	37864	1.30%	0.027%
381	18.041	18.036	18.043	PV	541	1643	0.06%	0.001%
382	18.057	18.043	18.064	VV	695	7126	0.25%	0.005%
383	18.070	18.064	18.122	VV	1427	16801	0.58%	0.012%
384	18.133	18.122	18.139	PV	338	1584	0.05%	0.001%
385	18.145	18.139	18.150	VV	328	1224	0.04%	0.001%
386	18.170	18.150	18.176	PV	378	3696	0.13%	0.003%

Sum of corrected areas: 138298813

Aromatic EPH 102324.M Tue Nov 12 03:29:33 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-3DL		SDG No.:	P4721	
Lab Sample ID:	P4721-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.3	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051138.D	20	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	66.1		8.60	22.6	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	190		5.43	15.1	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	128		6.79	22.6	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	24.4	J	18.1	30.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.3	J	40.7	45.3	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	2.17		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:	P4721-03DL	Acq On:	11 Nov 2024 09:41
Client Sample ID:	EX-2-TPH-3DL	Operator:	YP\AJ
Data file:	FE051138.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	41387644	299.388		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	246759	2.17		ug/ml
Aliphatic C9-C12	3.140	6.760	6124177	43.771	300	ug/ml
Aliphatic C12-C16	6.761	10.193	17771992	126.369	200	ug/ml
Aliphatic C16-C21	10.194	13.553	11716593	85.046	300	ug/ml
Aliphatic C21-C28	13.554	17.209	2161585	16.137	400	ug/ml
Aliphatic C28-C40	17.210	22.059	3613297	28.065	600	ug/ml
Aliphatic C9-C28	3.140	17.209	37774347	271.323	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051138.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 09:41
Operator : YP\AJ
Sample : P4721-03DL 20X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.287	246759	2.173 ug/mlm
Spiked Amount 50.000		Recovery =	4.35%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051138.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 09:41
Operator : YP\AJ
Sample : P4721-03DL 20X
Misc :
ALS Vial : 6 Sample Multiplier: 1

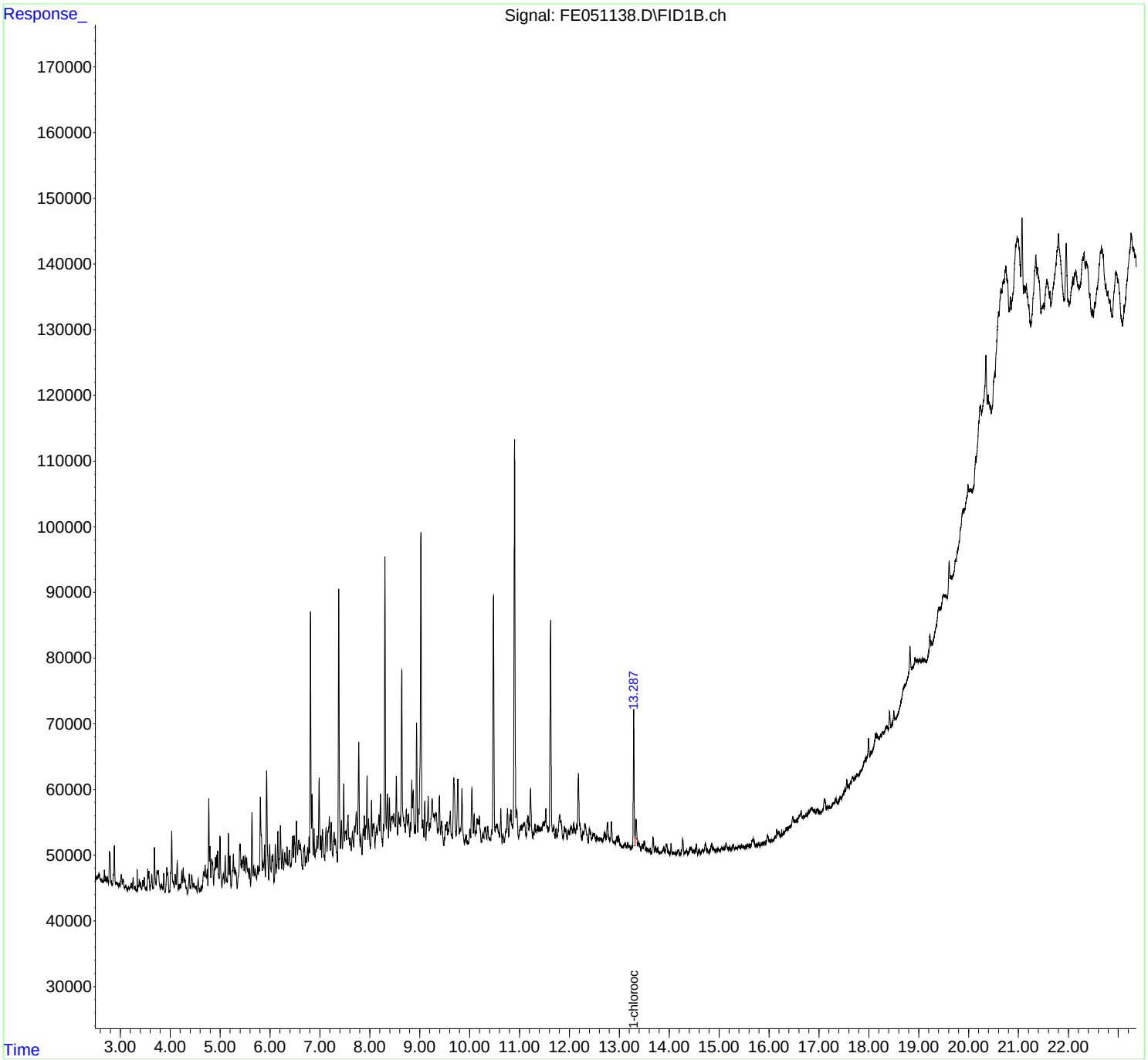
Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3DL

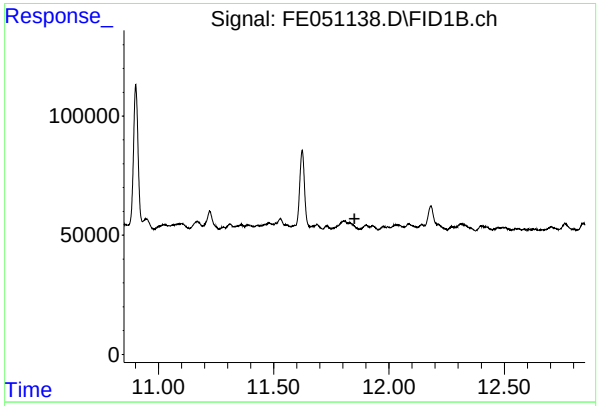
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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. : 11.850 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3DL

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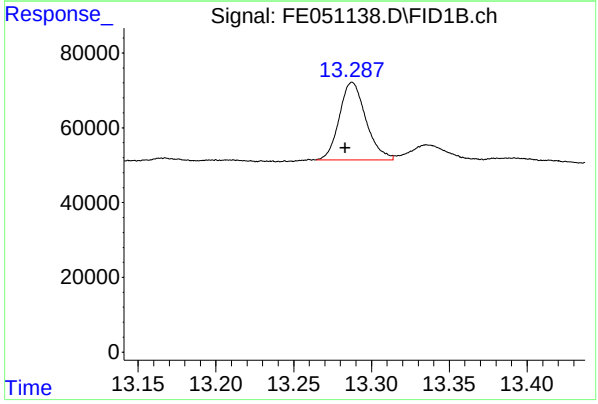

#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: 0.004 min
Response: 246759
Conc: 2.17 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3DL

rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051138.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 09:41
Sample : P4721-03DL 20X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.518	3.504	3.531	BV	254	1953	0.19%	0.005%
2	3.551	3.531	3.562	PV	3248	32717	3.14%	0.079%
3	3.573	3.562	3.595	VV	2900	32309	3.11%	0.078%
4	3.630	3.595	3.664	VV	2558	44186	4.25%	0.107%
5	3.684	3.664	3.717	VV	6634	87942	8.45%	0.212%
6	3.738	3.717	3.753	VV	3066	53371	5.13%	0.129%
7	3.764	3.753	3.802	VV	3151	53295	5.12%	0.129%
8	3.821	3.802	3.854	VV	1089	23773	2.28%	0.057%
9	3.871	3.854	3.895	VV	2891	29657	2.85%	0.072%
10	3.932	3.895	3.984	PV	3738	86718	8.33%	0.210%
11	4.030	3.984	4.080	VV	9313	160541	15.43%	0.388%
12	4.099	4.080	4.118	VV	2744	41545	3.99%	0.100%
13	4.140	4.118	4.163	VV	4831	65232	6.27%	0.158%
14	4.179	4.163	4.191	VV	1238	15550	1.49%	0.038%
15	4.203	4.191	4.214	VV	1224	13848	1.33%	0.033%
16	4.232	4.214	4.245	VV	3369	38481	3.70%	0.093%
17	4.261	4.245	4.278	VV	3743	50526	4.86%	0.122%
18	4.293	4.278	4.348	VV	2037	47104	4.53%	0.114%
19	4.382	4.348	4.410	PV	2856	45830	4.41%	0.111%
20	4.431	4.410	4.457	VV	2730	48107	4.62%	0.116%
21	4.471	4.457	4.538	VV	1317	39805	3.83%	0.096%
22	4.559	4.538	4.602	VV	1975	29021	2.79%	0.070%
23	4.619	4.602	4.632	VV	724	8824	0.85%	0.021%
24	4.669	4.632	4.684	VV	2916	57115	5.49%	0.138%
25	4.700	4.684	4.727	VV	4069	74503	7.16%	0.180%
26	4.740	4.727	4.754	VV	3340	39979	3.84%	0.097%
27	4.774	4.754	4.788	VV	14032	150686	14.48%	0.364%
28	4.797	4.788	4.815	VV	6743	72923	7.01%	0.176%
29	4.833	4.815	4.870	VV	4828	115916	11.14%	0.280%
30	4.907	4.870	4.918	VV	5116	94328	9.07%	0.228%
31	4.929	4.918	4.940	VV	5394	60705	5.83%	0.147%
32	4.952	4.940	4.978	VV	6039	85802	8.25%	0.207%
33	4.999	4.978	5.037	VV	8245	124333	11.95%	0.300%
34	5.068	5.037	5.084	VV	2499	48329	4.65%	0.117%
35	5.102	5.084	5.144	VV	5273	87855	8.44%	0.212%
36	5.167	5.144	5.184	VV	8599	105791	10.17%	0.256%

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rteres

37	5.199	5.184	5.221	VV	5149	63282	6.08%	0.153%
38	5.267	5.221	5.301	VV	5363	136926	13	
39	5.311	5.301	5.343	VV	2873	49224	4	
40	5.404	5.343	5.441	VV	6835	216968	20	
41	5.467	5.441	5.482	VV	4921	96862	9	
42	5.500	5.482	5.516	VV	5082	80896	7	
43	5.531	5.516	5.555	VV	4671	82868	7.96%	0.200%
44	5.565	5.555	5.580	VV	3053	38437	3.69%	0.093%
45	5.593	5.580	5.611	VV	3003	34446	3.31%	0.083%
46	5.639	5.611	5.659	VV	11434	144242	13.86%	0.349%
47	5.671	5.659	5.687	VV	3276	43398	4.17%	0.105%
48	5.703	5.687	5.732	VV	2868	56686	5.45%	0.137%
49	5.754	5.732	5.767	VV	3157	49560	4.76%	0.120%
50	5.779	5.767	5.787	VV	3270	32402	3.11%	0.078%
51	5.808	5.787	5.847	VV	13651	274848	26.42%	0.664%
52	5.858	5.847	5.874	VV	3806	53749	5.17%	0.130%
53	5.891	5.874	5.908	VV	6339	80756	7.76%	0.195%
54	5.933	5.908	5.973	VV	17772	292897	28.15%	0.708%
55	5.994	5.973	6.024	VV	6445	108092	10.39%	0.261%
56	6.058	6.024	6.083	VV	4932	115664	11.12%	0.279%
57	6.107	6.083	6.123	VV	6451	80185	7.71%	0.194%
58	6.157	6.123	6.176	VV	8255	144544	13.89%	0.349%
59	6.210	6.176	6.234	VV	9084	179881	17.29%	0.435%
60	6.255	6.234	6.274	VV	5302	92701	8.91%	0.224%
61	6.297	6.274	6.327	VV	4946	121696	11.70%	0.294%
62	6.343	6.327	6.363	VV	5791	91837	8.83%	0.222%
63	6.389	6.363	6.410	VV	5245	115315	11.08%	0.279%
64	6.451	6.410	6.468	VV	7441	163442	15.71%	0.395%
65	6.484	6.468	6.511	VV	7376	147936	14.22%	0.357%
66	6.530	6.511	6.555	VV	9715	173336	16.66%	0.419%
67	6.578	6.555	6.593	VV	6693	136921	13.16%	0.331%
68	6.607	6.593	6.655	VV	6022	163743	15.74%	0.396%
69	6.690	6.655	6.707	VV	5893	140124	13.47%	0.339%
70	6.719	6.707	6.731	VV	4030	50929	4.90%	0.123%
71	6.754	6.731	6.769	VV	5489	100784	9.69%	0.244%
72	6.812	6.769	6.833	VV	41232	576432	55.40%	1.393%
73	6.845	6.833	6.868	VV	13511	191038	18.36%	0.462%
74	6.884	6.868	6.901	VV	8217	114841	11.04%	0.277%
75	6.945	6.901	6.960	VV	7168	191548	18.41%	0.463%
76	6.985	6.960	7.011	VV	15906	283887	27.29%	0.686%
77	7.022	7.011	7.036	VV	7144	87747	8.43%	0.212%
78	7.052	7.036	7.097	VV	8090	200516	19.27%	0.484%
79	7.125	7.097	7.144	VV	8246	177282	17.04%	0.428%
80	7.190	7.144	7.209	VV	9991	290186	27.89%	0.701%
81	7.229	7.209	7.257	VV	9059	186322	17.91%	0.450%
82	7.286	7.257	7.302	VV	7463	158505	15.23%	0.383%
83	7.312	7.302	7.352	VV	6504	151129	14.53%	0.365%
84	7.379	7.352	7.414	VV	44332	639353	61.45%	1.545%
85	7.433	7.414	7.453	VV	9177	163204	15.69%	0.394%
86	7.479	7.453	7.497	VV	14760	239412	23.01%	0.578%
87	7.522	7.497	7.537	VV	7544	168569	16.20%	0.407%
88	7.564	7.537	7.597	VV	9988	273982	26.33%	0.662%
89	7.609	7.597	7.628	VV	6416	106044	10.19%	0.256%

Instrument :
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90	7.653	7.628	7.678	VV	7304	182750	17.57%	0.442%
91	7.695	7.678	7.705	VV	8245	112198	10	
92	7.730	7.705	7.753	VV	10385	251492	24	
93	7.780	7.753	7.807	VV	20968	384734	36	
94	7.822	7.807	7.845	VV	6762	123937	11	
95	7.868	7.845	7.877	VV	7737	117385	11	
96	7.891	7.877	7.906	VV	9725	139529	13.41%	0.337%
97	7.945	7.906	7.962	VV	15645	321446	30.90%	0.777%
98	7.976	7.962	8.011	VV	9153	207093	19.90%	0.500%
99	8.036	8.011	8.053	VV	11985	201960	19.41%	0.488%
100	8.068	8.053	8.077	VV	8276	112920	10.85%	0.273%
101	8.085	8.077	8.104	VV	8365	112063	10.77%	0.271%
102	8.134	8.104	8.150	VV	7630	185423	17.82%	0.448%
103	8.183	8.150	8.197	VV	9597	232044	22.30%	0.561%
104	8.215	8.197	8.257	VV	12769	295889	28.44%	0.715%
105	8.305	8.257	8.331	VV	48743	745941	71.70%	1.802%
106	8.354	8.331	8.376	VV	12719	260126	25.00%	0.629%
107	8.395	8.376	8.414	VV	12174	205566	19.76%	0.497%
108	8.452	8.414	8.470	VV	9239	292328	28.10%	0.706%
109	8.484	8.470	8.514	VV	9683	229379	22.05%	0.554%
110	8.534	8.514	8.556	VV	15270	261114	25.10%	0.631%
111	8.581	8.556	8.593	VV	9821	185639	17.84%	0.449%
112	8.604	8.593	8.616	VV	8945	112432	10.81%	0.272%
113	8.641	8.616	8.711	VV	31449	729015	70.07%	1.761%
114	8.733	8.711	8.754	VV	10194	218472	21.00%	0.528%
115	8.776	8.754	8.802	VV	9318	233895	22.48%	0.565%
116	8.843	8.802	8.856	VV	14542	307163	29.52%	0.742%
117	8.871	8.856	8.896	VV	12887	252531	24.27%	0.610%
118	8.909	8.896	8.918	VV	7671	94465	9.08%	0.228%
119	8.939	8.918	8.963	VV	23274	357220	34.33%	0.863%
120	9.025	8.963	9.053	VV	52182	1008016	96.89%	2.436%
121	9.066	9.053	9.084	VV	8404	138797	13.34%	0.335%
122	9.103	9.084	9.126	VV	11092	204175	19.62%	0.493%
123	9.171	9.126	9.190	VV	11978	324058	31.15%	0.783%
124	9.203	9.190	9.215	VV	7728	111312	10.70%	0.269%
125	9.250	9.215	9.274	VV	11397	341680	32.84%	0.826%
126	9.286	9.274	9.306	VV	9118	167727	16.12%	0.405%
127	9.321	9.306	9.360	VV	9370	272770	26.22%	0.659%
128	9.395	9.360	9.420	VV	11792	296313	28.48%	0.716%
129	9.439	9.420	9.480	VV	7984	230925	22.20%	0.558%
130	9.517	9.480	9.529	VV	7370	170980	16.43%	0.413%
131	9.546	9.529	9.563	VV	7823	147152	14.14%	0.356%
132	9.614	9.563	9.652	VV	9407	370072	35.57%	0.894%
133	9.685	9.652	9.730	VV	14315	438546	42.15%	1.060%
134	9.765	9.730	9.795	VV	14224	352790	33.91%	0.852%
135	9.808	9.795	9.817	VV	6549	83889	8.06%	0.203%
136	9.848	9.817	9.895	VV	12656	346995	33.35%	0.838%
137	9.929	9.895	9.961	VV	5515	190690	18.33%	0.461%
138	10.006	9.961	10.021	VV	6421	182445	17.54%	0.441%
139	10.047	10.021	10.077	VV	12445	296364	28.49%	0.716%
140	10.093	10.077	10.113	VV	8639	152495	14.66%	0.368%
141	10.125	10.113	10.133	VV	6113	70577	6.78%	0.171%

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142	10.152	10.133	10.162	VV	7897	122370	11.76%	0.296%
143	10.171	10.162	10.181	VV	7603	84708	8	
144	10.195	10.181	10.236	VV	8315	215737	20	
145	10.267	10.236	10.281	VV	5692	135776	13	
146	10.321	10.281	10.346	VV	6593	224958	21	
147	10.367	10.346	10.420	VV	6688	236411	22	
148	10.442	10.420	10.450	VV	6099	97327	9.35%	0.235%
149	10.479	10.450	10.509	VV	41737	673129	64.70%	1.626%
150	10.542	10.509	10.596	VV	6782	323586	31.10%	0.782%
151	10.627	10.596	10.651	VV	9182	209518	20.14%	0.506%
152	10.670	10.651	10.694	VV	5227	119646	11.50%	0.289%
153	10.760	10.694	10.788	VV	9007	340485	32.73%	0.823%
154	10.809	10.788	10.817	VV	7924	114870	11.04%	0.278%
155	10.830	10.817	10.867	VV	8879	219204	21.07%	0.530%
156	10.902	10.867	10.933	VV	65149	1040410	100.00%	2.514%
157	10.947	10.933	10.981	VV	8782	205896	19.79%	0.497%
158	11.024	10.981	11.050	VV	6331	237919	22.87%	0.575%
159	11.102	11.050	11.134	VV	6787	307949	29.60%	0.744%
160	11.169	11.134	11.192	VV	7641	220520	21.20%	0.533%
161	11.223	11.192	11.264	VV	11850	322546	31.00%	0.779%
162	11.282	11.264	11.290	VV	5213	75898	7.30%	0.183%
163	11.311	11.290	11.328	VV	6395	128730	12.37%	0.311%
164	11.359	11.328	11.374	VV	6174	159424	15.32%	0.385%
165	11.389	11.374	11.413	VV	5971	131892	12.68%	0.319%
166	11.429	11.413	11.444	VV	5821	105600	10.15%	0.255%
167	11.481	11.444	11.501	VV	6708	211994	20.38%	0.512%
168	11.529	11.501	11.572	VV	8597	283403	27.24%	0.685%
169	11.624	11.572	11.659	VV	37285	724955	69.68%	1.752%
170	11.687	11.659	11.714	VV	6051	173305	16.66%	0.419%
171	11.730	11.714	11.749	VV	5398	100451	9.65%	0.243%
172	11.807	11.749	11.872	VV	7360	419203	40.29%	1.013%
173	11.900	11.872	11.917	VV	5666	132421	12.73%	0.320%
174	11.929	11.917	11.954	VV	5368	105482	10.14%	0.255%
175	11.975	11.954	11.986	VV	5101	87675	8.43%	0.212%
176	11.994	11.986	12.005	VV	4954	53476	5.14%	0.129%
177	12.031	12.005	12.068	VV	5609	197141	18.95%	0.476%
178	12.086	12.068	12.122	VV	6074	171542	16.49%	0.414%
179	12.143	12.122	12.153	VV	5758	99535	9.57%	0.240%
180	12.181	12.153	12.252	VV	13533	418600	40.23%	1.011%
181	12.275	12.252	12.288	VV	4711	92569	8.90%	0.224%
182	12.311	12.288	12.375	VV	5817	249630	23.99%	0.603%
183	12.400	12.375	12.447	VV	4957	183562	17.64%	0.444%
184	12.476	12.447	12.487	VV	4215	92901	8.93%	0.224%
185	12.503	12.487	12.531	VV	4294	103128	9.91%	0.249%
186	12.559	12.531	12.577	VV	3770	98868	9.50%	0.239%
187	12.588	12.577	12.612	VV	3551	71213	6.84%	0.172%
188	12.629	12.612	12.648	VV	3475	73702	7.08%	0.178%
189	12.662	12.648	12.674	VV	3265	51035	4.91%	0.123%
190	12.704	12.674	12.737	VV	4461	144272	13.87%	0.349%
191	12.764	12.737	12.817	VV	5834	196638	18.90%	0.475%
192	12.842	12.817	12.901	VV	5900	188402	18.11%	0.455%
193	12.950	12.901	12.968	VV	3659	121032	11.63%	0.292%
194	12.987	12.968	13.081	VV	3646	170562	16.39%	0.412%

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					rteres			
195	13.118	13.081	13.143	VV	2592	81829	7.87%	0.198%
196	13.167	13.143	13.188	VV	2587	57985	5	
197	13.208	13.188	13.240	VV	2022	57708	5	
198	13.288	13.240	13.316	VV	22721	336623	32	
199	13.336	13.316	13.371	VV	5996	130570	12	
200	13.390	13.371	13.435	VV	2428	75189	7	
201	13.454	13.435	13.468	VV	2142	34501	3.32%	0.083%
202	13.498	13.468	13.538	VV	2522	78060	7.50%	0.189%
203	13.559	13.538	13.578	VV	1495	31888	3.06%	0.077%
204	13.587	13.578	13.601	VV	1201	15198	1.46%	0.037%
205	13.617	13.601	13.644	VV	1397	27787	2.67%	0.067%
206	13.675	13.644	13.704	VV	2996	64185	6.17%	0.155%
207	13.724	13.704	13.748	VV	1558	32409	3.12%	0.078%
208	13.764	13.748	13.829	VV	1297	41599	4.00%	0.101%
209	13.835	13.829	13.841	VV	671	4602	0.44%	0.011%
210	13.889	13.841	13.918	VV	1448	44719	4.30%	0.108%
211	13.949	13.918	13.978	VV	1892	44813	4.31%	0.108%
212	13.987	13.978	14.012	VV	791	12011	1.15%	0.029%
213	14.036	14.012	14.109	VV	1799	38869	3.74%	0.094%
214	14.122	14.109	14.143	VV	501	7476	0.72%	0.018%
215	14.184	14.143	14.214	VV	902	22260	2.14%	0.054%
216	14.271	14.214	14.299	VV	2455	47981	4.61%	0.116%
217	14.336	14.299	14.374	VV	674	20810	2.00%	0.050%
218	14.421	14.374	14.469	VV	1076	37883	3.64%	0.092%
219	14.486	14.469	14.502	VV	592	8679	0.83%	0.021%
220	14.545	14.502	14.578	VV	1554	28332	2.72%	0.068%
221	14.599	14.578	14.641	PV	711	11299	1.09%	0.027%
222	14.675	14.641	14.698	VV	560	14294	1.37%	0.035%
223	14.724	14.699	14.780	vv	2606	85752	8.24%	0.207%
224	14.847	14.782	14.868	vv	2530	85697	8.24%	0.207%
225	14.879	14.871	14.940	vv	1690	53185	5.11%	0.129%
226	14.978	14.941	15.038	vv	1503	66072	6.35%	0.160%
227	15.100	15.039	15.112	vv	1444	51844	4.98%	0.125%
228	15.137	15.113	15.195	vv	2054	65478	6.29%	0.158%
229	15.205	15.199	15.232	vv	1205	20396	1.96%	0.049%
230	15.284	15.234	15.317	vv	1632	54437	5.23%	0.132%
231	15.351	15.317	15.365	vv	1082	26557	2.55%	0.064%
232	15.391	15.367	15.425	vv	1334	36382	3.50%	0.088%
233	15.453	15.426	15.537	vv	1378	67673	6.50%	0.164%
234	15.575	15.539	15.628	vv	1440	59847	5.75%	0.145%
235	15.687	15.631	15.725	vv	2221	89465	8.60%	0.216%
236	15.790	15.727	15.811	vv	1538	56532	5.43%	0.137%
237	15.874	15.812	15.897	vv	1469	57355	5.51%	0.139%
238	15.970	15.898	15.988	vv	2292	82396	7.92%	0.199%
239	16.041	15.991	16.079	vv	1259	55049	5.29%	0.133%
240	16.152	16.083	16.155	vv	1736	42182	4.05%	0.102%
241	16.161	16.157	16.225	vv	1747	37433	3.60%	0.090%
242	16.295	16.231	16.303	VV	327	6911	0.66%	0.017%
243	16.343	16.303	16.381	VV	827	24435	2.35%	0.059%
244	16.476	16.381	16.501	VV	1894	70940	6.82%	0.171%
245	16.539	16.501	16.556	VV	1062	33455	3.22%	0.081%
246	16.641	16.556	16.670	VV	2053	94193	9.05%	0.228%

Instrument :
FID_E
ClientSampleId :
EX-2-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	16.698	16.670	16.718	VV	1073	28619	2.75%	0.069%
248	16.733	16.718	16.748	VV	1142	17922		
249	16.852	16.748	16.891	VV	1680	108128	10	
250	16.907	16.891	16.924	VV	1127	19605		
251	16.971	16.924	17.028	VV	909	37594		
252	17.110	17.028	17.146	VV	1844	54587		
253	17.162	17.146	17.182	VV	562	7760	0.75%	0.019%
254	17.202	17.182	17.228	VV	453	6610	0.64%	0.016%
255	17.239	17.228	17.250	VV	140	1107	0.11%	0.003%
256	17.340	17.250	17.391	PV	983	33971	3.27%	0.082%
257	17.437	17.391	17.451	VV	600	14981	1.44%	0.036%
258	17.523	17.451	17.538	VV	1448	48115	4.62%	0.116%
259	17.558	17.538	17.578	VV	2750	46997	4.52%	0.114%
260	17.591	17.578	17.607	VV	1708	27497	2.64%	0.066%
261	17.632	17.607	17.644	VV	1988	38156	3.67%	0.092%
262	17.678	17.644	17.708	VV	2501	80775	7.76%	0.195%
263	17.726	17.708	17.737	VV	2313	36769	3.53%	0.089%
264	17.761	17.737	17.781	VV	2541	61427	5.90%	0.148%
265	17.795	17.781	17.804	VV	2307	31372	3.02%	0.076%
266	17.937	17.804	17.948	VV	3963	263227	25.30%	0.636%
267	17.994	17.948	18.020	VV	6681	204099	19.62%	0.493%
268	18.135	18.020	18.150	VV	6804	390039	37.49%	0.942%
269	18.163	18.150	18.211	VV	6501	222641	21.40%	0.538%
270	18.231	18.211	18.251	VV	5862	139600	13.42%	0.337%
271	18.282	18.251	18.296	VV	6290	166358	15.99%	0.402%
272	18.362	18.296	18.391	VV	6753	364446	35.03%	0.881%
273	18.417	18.391	18.444	VV	8615	231165	22.22%	0.559%
274	18.502	18.444	18.525	VV	8337	336336	32.33%	0.813%
275	18.541	18.525	18.551	VV	7099	111740	10.74%	0.270%
276	18.699	18.553	18.700	vv	11095	762479	73.29%	1.842%
			Sum of corrected areas:			41387647		

Aliphatic EPH 110724.M Tue Nov 12 04:43:11 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-11-TPH-1			SDG No.:	P4721
Lab Sample ID:	P4721-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	79.7
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/08/24 08:47	11/11/24 10:11	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	148		10	4.75	12.5	mg/kg	FE051139.D
Aliphatic C12-C16	Aliphatic C12-C16	529		50	15.0	41.7	mg/kg	FE051140.D
Aliphatic C16-C21	Aliphatic C16-C21	347		50	18.8	62.5	mg/kg	FE051140.D
Aliphatic C21-C28	Aliphatic C21-C28	55.9		10	10.0	16.7	mg/kg	FE051139.D
Aliphatic C28-C40	Aliphatic C28-C40	53.1		10	22.5	25.0	mg/kg	FE051139.D
Aromatic C10-C12	Aromatic C10-C12	46.0		5	1.88	4.17	mg/kg	FD048694.D
Aromatic C12-C16	Aromatic C12-C16	229		20	8.51	25.0	mg/kg	FD048695.D
Aromatic C16-C21	Aromatic C16-C21	438		20	24.0	41.7	mg/kg	FD048695.D
Aromatic C21-C36	Aromatic C21-C36	81.8		5	12.5	16.7	mg/kg	FD048694.D
Total AliphaticEPH	Total AliphaticEPH	1130			71.0	158	mg/kg	
Total AromaticEPH	Total AromaticEPH	795			46.9	87.6	mg/kg	
Total EPH	Total EPH	1930			118	246	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.7	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048684.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	39.2	E	0.38	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	178	E	0.43	1.25	mg/kg
Aromatic C16-C21	Aromatic C16-C21	370	E	1.20	2.08	mg/kg
Aromatic C21-C36	Aromatic C21-C36	79.3	E	2.50	3.34	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	74.3		40 - 140	149%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	69.8		40 - 140	140%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.2		40 - 140	90%	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:	P4721-04	Acq On:	08 Nov 2024 23:00
Client Sample ID:	EX-11-TPH-1	Operator:	YP/AJ
Data file:	FD048684.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	82903524	470.501	200	ug/ml
Aromatic C12-C16	5.811	8.415	379123772	2140	300	ug/ml
Aromatic C16-C21	8.416	12.678	727268770	4440	500	ug/ml
Aromatic C21-C36	12.679	18.083	145121420	950.288	800	ug/ml
Aromatic EPH	4.092	18.083	1334417486	8000		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	11281143	74.33		ug/ml
2-Flurobiphenyl (SURR)	8.234	8.234	6854475	69.81		ug/ml
ortho-Terphenyl (SURR)	11.273	11.273	7699249	45.2		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048684.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 23:00
Operator : YP/AJ
Sample : P4721-04
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:09:13 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...	7.379	11281143	74.326 ug/mlm
Spiked Amount 50.000		Recovery = 148.65%	
6) S 2-Flurobiphenyl (SURR)	8.234	6854475	69.807 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 139.61%#	
11) S ortho-Terphenyl (SURR)	11.273	7699249	45.199 ug/mlm
Spiked Amount 50.000		Recovery = 90.40%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048684.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 23:00
Operator : YP/AJ
Sample : P4721-04
Misc :
ALS Vial : 67 Sample Multiplier: 1

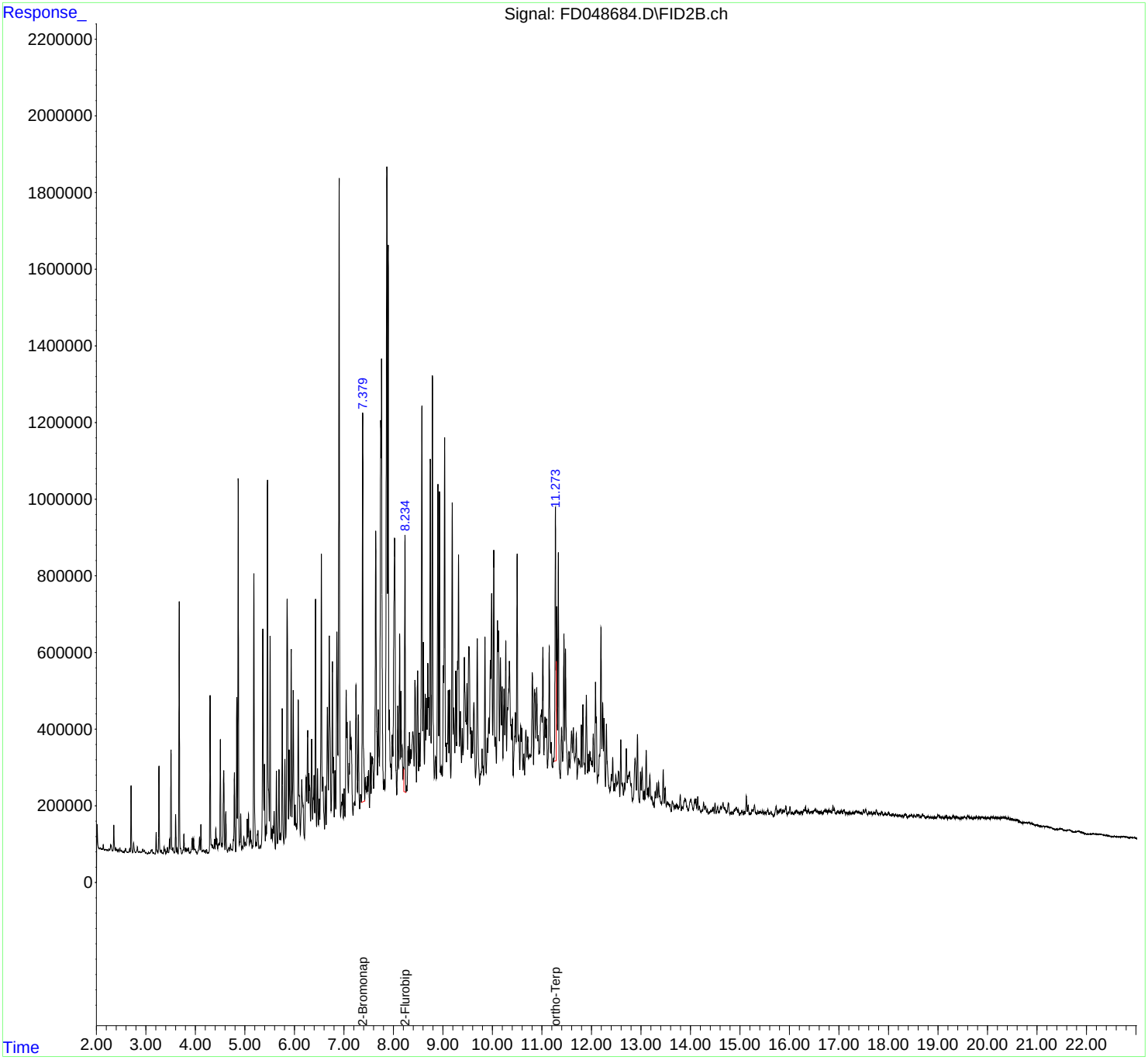
Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

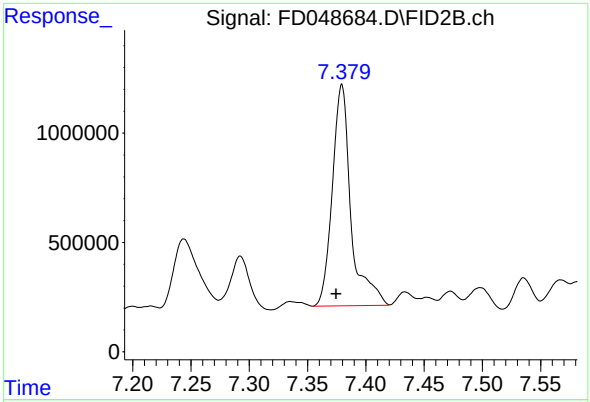
Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:09:13 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





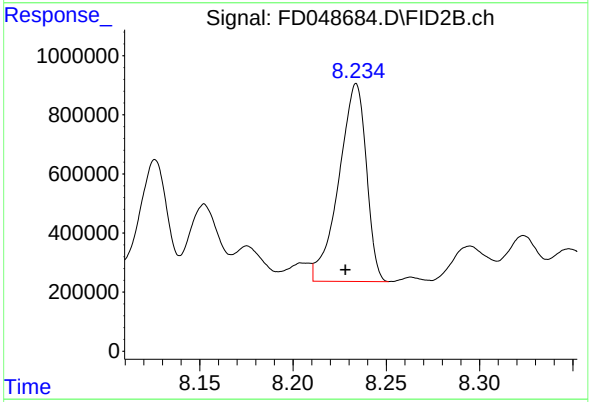
#4 2-Bromonaphthalene (SURR)

R.T.: 7.379 min
Delta R.T.: 0.005 min
Response: 11281143
Conc: 74.33 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

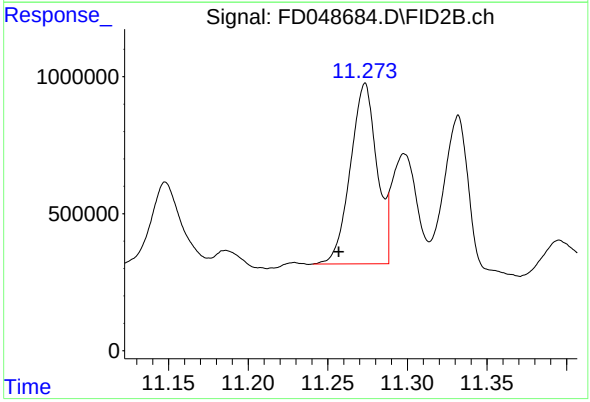
Manual Integrations APPROVED

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



#6 2-Flurobiphenyl (SURR)

R.T.: 8.234 min
Delta R.T.: 0.005 min
Response: 6854475
Conc: 69.81 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.273 min
Delta R.T.: 0.016 min
Response: 7699249
Conc: 45.20 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048684.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 23:00
Sample : P4721-04
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.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	4.164	4.134	4.183	PV	6129	91946	0.34%	0.007%
2	4.196	4.183	4.210	VV	6880	57940	0.22%	0.004%
3	4.226	4.210	4.247	PV	9651	100610	0.37%	0.007%
4	4.256	4.247	4.262	PV	783	4879	0.02%	0.000%
5	4.297	4.262	4.320	VV	411988	3601044	13.38%	0.262%
6	4.325	4.320	4.339	VV	22257	217159	0.81%	0.016%
7	4.349	4.339	4.370	VV	21319	296373	1.10%	0.022%
8	4.387	4.370	4.399	VV	36594	395205	1.47%	0.029%
9	4.413	4.399	4.425	VV	64818	603263	2.24%	0.044%
10	4.434	4.425	4.450	VV	37047	367425	1.37%	0.027%
11	4.467	4.450	4.474	VV	22887	252921	0.94%	0.018%
12	4.482	4.474	4.488	VV	25821	202445	0.75%	0.015%
13	4.505	4.488	4.524	VV	295269	2678195	9.95%	0.195%
14	4.532	4.524	4.542	VV	23984	223249	0.83%	0.016%
15	4.573	4.542	4.597	VV	214605	2934444	10.90%	0.213%
16	4.615	4.597	4.649	VV	106845	1117335	4.15%	0.081%
17	4.678	4.649	4.693	VV	13510	204416	0.76%	0.015%
18	4.709	4.693	4.727	VV	20642	240095	0.89%	0.017%
19	4.735	4.727	4.747	VV	7397	75267	0.28%	0.005%
20	4.768	4.747	4.772	VV	33519	283606	1.05%	0.021%
21	4.788	4.772	4.814	VV	206532	2007945	7.46%	0.146%
22	4.836	4.814	4.848	VV	402188	3459189	12.85%	0.251%
23	4.865	4.848	4.887	VV	974995	8850429	32.88%	0.643%
24	4.915	4.887	4.933	VV	98141	1123495	4.17%	0.082%
25	4.948	4.933	4.960	VV	14997	180365	0.67%	0.013%
26	4.977	4.960	4.996	VV	38964	537229	2.00%	0.039%
27	5.007	4.996	5.026	VV	24031	342375	1.27%	0.025%
28	5.047	5.026	5.060	VV	84753	991890	3.69%	0.072%
29	5.072	5.060	5.089	VV	97938	1002092	3.72%	0.073%
30	5.112	5.089	5.125	VV	53152	697841	2.59%	0.051%
31	5.130	5.125	5.145	VV	27303	229897	0.85%	0.017%
32	5.155	5.145	5.160	VV	13719	99938	0.37%	0.007%
33	5.181	5.160	5.217	VV	721044	7436152	27.63%	0.541%
34	5.228	5.217	5.237	VV	21066	200994	0.75%	0.015%
35	5.263	5.237	5.285	VV	53117	877826	3.26%	0.064%
36	5.306	5.285	5.318	VV	12777	185553	0.69%	0.013%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

rteres

Manual IntegrationsAPPROVED

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

37	5.362	5.318	5.384	VV	577591	7112907	26.43%	0.517%
38	5.395	5.384	5.412	VV	225214	2234100	8	
39	5.425	5.412	5.435	VV	62644	684605	2	
40	5.456	5.435	5.493	VV	966272	11279983	41	
41	5.509	5.493	5.530	VV	556910	5270839	19	
42	5.546	5.530	5.557	VV	54482	647733	2	
43	5.569	5.557	5.577	VV	61516	567212	2.11%	0.041%
44	5.590	5.577	5.615	VV	101094	1159355	4.31%	0.084%
45	5.637	5.615	5.658	VV	205484	2025447	7.52%	0.147%
46	5.688	5.658	5.705	VV	208895	2437284	9.05%	0.177%
47	5.715	5.705	5.726	VV	41942	417733	1.55%	0.030%
48	5.755	5.726	5.788	VV	368164	4480497	16.65%	0.326%
49	5.808	5.788	5.826	VV	235204	2414802	8.97%	0.176%
50	5.853	5.826	5.880	VV	651001	10151504	37.71%	0.738%
51	5.894	5.880	5.918	VV	258992	3581052	13.30%	0.260%
52	5.935	5.918	5.951	VV	521539	5253384	19.52%	0.382%
53	5.977	5.951	6.003	VV	413380	6066376	22.54%	0.441%
54	6.016	6.003	6.029	VV	114686	1326003	4.93%	0.096%
55	6.036	6.029	6.048	VV	66266	670843	2.49%	0.049%
56	6.078	6.048	6.120	VV	388351	6648388	24.70%	0.483%
57	6.149	6.120	6.204	VV	179926	4733470	17.59%	0.344%
58	6.238	6.204	6.250	VV	185171	3433350	12.76%	0.250%
59	6.269	6.250	6.284	VV	307119	4380406	16.27%	0.318%
60	6.295	6.284	6.306	VV	195052	2173788	8.08%	0.158%
61	6.311	6.306	6.327	VV	158437	1572487	5.84%	0.114%
62	6.349	6.327	6.367	VV	283833	4135085	15.36%	0.301%
63	6.397	6.367	6.410	VV	189614	3440772	12.78%	0.250%
64	6.427	6.410	6.448	VV	647528	6598507	24.51%	0.480%
65	6.468	6.448	6.487	VV	206279	2807017	10.43%	0.204%
66	6.504	6.487	6.514	VV	127668	1575006	5.85%	0.114%
67	6.546	6.514	6.562	VV	762060	9499277	35.29%	0.690%
68	6.578	6.562	6.610	VV	184399	3570269	13.26%	0.260%
69	6.626	6.610	6.643	VV	157996	2024115	7.52%	0.147%
70	6.667	6.643	6.688	VV	364076	5908971	21.95%	0.429%
71	6.705	6.688	6.741	VV	549821	9635108	35.80%	0.700%
72	6.769	6.741	6.782	VV	483953	6469934	24.04%	0.470%
73	6.790	6.782	6.805	VV	234322	2311392	8.59%	0.168%
74	6.819	6.805	6.836	VV	198268	2576406	9.57%	0.187%
75	6.859	6.836	6.879	VV	559714	8852393	32.89%	0.643%
76	6.905	6.879	6.934	VV	1745611	22067852	81.99%	1.604%
77	6.955	6.934	6.962	VV	115176	1675887	6.23%	0.122%
78	6.974	6.962	6.988	VV	137290	1746139	6.49%	0.127%
79	7.004	6.988	7.022	VV	150663	2327745	8.65%	0.169%
80	7.047	7.022	7.058	VV	406782	5251613	19.51%	0.382%
81	7.066	7.058	7.091	VV	323319	4683842	17.40%	0.340%
82	7.105	7.091	7.112	VV	215900	2298027	8.54%	0.167%
83	7.125	7.112	7.136	VV	324926	3895777	14.47%	0.283%
84	7.145	7.136	7.185	VV	281905	5538651	20.58%	0.403%
85	7.200	7.185	7.206	VV	112425	1281876	4.76%	0.093%
86	7.215	7.206	7.223	VV	113565	1102233	4.10%	0.080%
87	7.244	7.223	7.274	VV	420198	7831248	29.09%	0.569%
88	7.292	7.274	7.319	VV	341451	5401867	20.07%	0.393%
89	7.335	7.319	7.354	VV	133016	2532852	9.41%	0.184%

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90	7.379	7.354	7.421	VV	1126858	15813202	58.75%	1.149%
91	7.434	7.421	7.446	VV	176452	2296572	8	
92	7.452	7.446	7.461	VV	151835	1343415	4	
93	7.473	7.461	7.484	VV	179625	2141366	7	
94	7.498	7.484	7.517	VV	195237	3155146	11	
95	7.535	7.517	7.550	VV	240528	3389966	12	
96	7.567	7.550	7.576	VV	230371	3025299	11.24%	0.220%
97	7.583	7.576	7.601	VV	225449	2898342	10.77%	0.211%
98	7.643	7.601	7.678	VV	818111	16645483	61.84%	1.210%
99	7.693	7.678	7.719	VV	352282	6374495	23.68%	0.463%
100	7.744	7.719	7.751	VV	1106299	13660554	50.75%	0.993%
101	7.760	7.751	7.802	VV	1268331	16719484	62.12%	1.215%
102	7.814	7.802	7.828	VV	169433	2431526	9.03%	0.177%
103	7.868	7.828	7.881	VV	1762642	26916515	100.00%	1.956%
104	7.895	7.881	7.909	VV	1563552	16173267	60.09%	1.176%
105	7.917	7.909	7.939	VV	349329	4949307	18.39%	0.360%
106	7.946	7.939	7.958	VV	207815	2234401	8.30%	0.162%
107	7.975	7.958	7.990	VV	282634	4585419	17.04%	0.333%
108	8.024	7.990	8.068	VV	794355	19913278	73.98%	1.447%
109	8.088	8.068	8.106	VV	359434	5611633	20.85%	0.408%
110	8.126	8.106	8.139	VV	546390	7081623	26.31%	0.515%
111	8.152	8.139	8.167	VV	395141	5121828	19.03%	0.372%
112	8.175	8.167	8.192	VV	254064	3272731	12.16%	0.238%
113	8.234	8.192	8.253	VV	803227	12260942	45.55%	0.891%
114	8.263	8.253	8.275	VV	147836	1882441	6.99%	0.137%
115	8.295	8.275	8.309	VV	252652	4292248	15.95%	0.312%
116	8.324	8.309	8.337	VV	288070	3988988	14.82%	0.290%
117	8.348	8.337	8.360	VV	243008	3258385	12.11%	0.237%
118	8.392	8.360	8.418	VV	288868	8729148	32.43%	0.634%
119	8.435	8.418	8.465	VV	423075	8566024	31.82%	0.623%
120	8.489	8.465	8.508	VV	447739	8134454	30.22%	0.591%
121	8.522	8.508	8.537	VV	285156	4079087	15.15%	0.296%
122	8.575	8.537	8.591	VV	1140257	17892372	66.47%	1.301%
123	8.604	8.591	8.626	VV	521258	7415140	27.55%	0.539%
124	8.643	8.626	8.655	VV	386420	5323878	19.78%	0.387%
125	8.669	8.655	8.681	VV	375491	5074597	18.85%	0.369%
126	8.694	8.681	8.705	VV	465300	5569934	20.69%	0.405%
127	8.712	8.705	8.724	VV	376109	3944764	14.66%	0.287%
128	8.745	8.724	8.761	VV	998286	12744863	47.35%	0.926%
129	8.788	8.761	8.825	VV	1216478	19412436	72.12%	1.411%
130	8.850	8.825	8.868	VV	221019	5009915	18.61%	0.364%
131	8.899	8.868	8.914	VV	930093	13560178	50.38%	0.986%
132	8.931	8.914	8.947	VV	913132	10405737	38.66%	0.756%
133	8.955	8.947	8.965	VV	190631	1968680	7.31%	0.143%
134	8.978	8.965	8.989	VV	194936	2573118	9.56%	0.187%
135	9.010	8.989	9.017	VV	456138	5609640	20.84%	0.408%
136	9.035	9.017	9.052	VV	1052187	13745554	51.07%	0.999%
137	9.057	9.052	9.071	VV	255174	2616574	9.72%	0.190%
138	9.107	9.071	9.120	VV	392107	8350689	31.02%	0.607%
139	9.135	9.120	9.159	VV	393602	6399856	23.78%	0.465%
140	9.188	9.159	9.206	VV	880425	13121983	48.75%	0.954%
141	9.218	9.206	9.240	VV	344845	6026823	22.39%	0.438%

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142	9.260	9.240	9.276	VV	442864	6984573	25.95%	0.508%
143	9.296	9.276	9.301	VV	467186	5866887	21	
144	9.315	9.301	9.334	VV	743805	9916306	36	
145	9.352	9.334	9.375	VV	335971	6793957	25	
146	9.391	9.375	9.405	VV	291919	4415720	16	
147	9.433	9.405	9.472	VV	476376	13554547	50	
148	9.486	9.472	9.500	VV	407750	5660148	21.03%	0.411%
149	9.524	9.500	9.551	VV	502828	12276876	45.61%	0.892%
150	9.557	9.551	9.573	VV	291982	3478282	12.92%	0.253%
151	9.587	9.573	9.602	VV	283271	4322801	16.06%	0.314%
152	9.626	9.602	9.658	VV	356451	9024787	33.53%	0.656%
153	9.694	9.658	9.742	VV	522346	13475587	50.06%	0.979%
154	9.791	9.742	9.822	VV	234757	8691234	32.29%	0.632%
155	9.850	9.822	9.874	VV	526927	9039562	33.58%	0.657%
156	9.896	9.874	9.907	VV	262519	4471587	16.61%	0.325%
157	9.925	9.907	9.937	VV	313727	5055507	18.78%	0.367%
158	9.959	9.937	9.967	VV	464830	6839299	25.41%	0.497%
159	9.985	9.967	10.006	VV	638571	11296827	41.97%	0.821%
160	10.028	10.006	10.050	VV	751322	11932010	44.33%	0.867%
161	10.062	10.050	10.080	VV	262936	4318691	16.04%	0.314%
162	10.103	10.080	10.113	VV	564664	8193113	30.44%	0.596%
163	10.123	10.113	10.142	VV	541434	7287667	27.08%	0.530%
164	10.162	10.142	10.184	VV	468736	9245738	34.35%	0.672%
165	10.197	10.184	10.212	VV	394543	5366937	19.94%	0.390%
166	10.235	10.212	10.251	VV	388492	7148780	26.56%	0.520%
167	10.271	10.251	10.287	VV	511425	7969107	29.61%	0.579%
168	10.343	10.287	10.389	VV	458896	21061885	78.25%	1.531%
169	10.403	10.389	10.419	VV	309720	4589952	17.05%	0.334%
170	10.464	10.419	10.478	VV	324952	8941931	33.22%	0.650%
171	10.500	10.478	10.526	VV	738173	12168410	45.21%	0.884%
172	10.535	10.526	10.554	VV	263811	3755937	13.95%	0.273%
173	10.572	10.554	10.583	VV	290419	4414975	16.40%	0.321%
174	10.594	10.583	10.617	VV	283246	4822671	17.92%	0.351%
175	10.634	10.617	10.650	VV	215267	3769559	14.00%	0.274%
176	10.677	10.650	10.697	VV	278728	6570515	24.41%	0.478%
177	10.714	10.697	10.737	VV	259594	5335230	19.82%	0.388%
178	10.756	10.737	10.766	VV	214618	3707301	13.77%	0.269%
179	10.806	10.766	10.831	VV	427051	11325849	42.08%	0.823%
180	10.852	10.831	10.878	VV	382733	8755330	32.53%	0.636%
181	10.895	10.878	10.918	VV	386687	7662220	28.47%	0.557%
182	10.926	10.918	10.940	VV	262499	3224253	11.98%	0.234%
183	10.948	10.940	10.953	VV	221341	1677455	6.23%	0.122%
184	10.992	10.953	11.003	VV	328929	8846702	32.87%	0.643%
185	11.020	11.003	11.040	VV	491070	7826844	29.08%	0.569%
186	11.063	11.040	11.077	VV	309058	5997146	22.28%	0.436%
187	11.090	11.077	11.113	VV	304106	5435838	20.20%	0.395%
188	11.148	11.113	11.177	VV	492585	11327632	42.08%	0.823%
189	11.186	11.177	11.212	VV	242484	4469649	16.61%	0.325%
190	11.229	11.212	11.239	VV	198360	3005297	11.17%	0.218%
191	11.273	11.239	11.286	VV	853302	12940286	48.08%	0.941%
192	11.298	11.286	11.314	VV	594666	7747308	28.78%	0.563%
193	11.332	11.314	11.371	VV	734944	11583462	43.03%	0.842%
194	11.395	11.371	11.418	VV	279080	6297204	23.40%	0.458%

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195	11.445	11.418	11.460	VV	524609	8435123	31.34%	0.613%
196	11.476	11.460	11.524	VV	484567	10759412	39	
197	11.547	11.524	11.563	VV	215099	4446945	16	
198	11.599	11.563	11.618	VV	267683	7343751	27	
199	11.634	11.618	11.663	VV	277927	6210660	23	
200	11.694	11.663	11.710	VV	262093	5960636	22	
201	11.737	11.710	11.750	VV	196639	4156446	15.44%	0.302%
202	11.756	11.750	11.777	VV	189123	2972522	11.04%	0.216%
203	11.795	11.777	11.808	VV	284336	4220422	15.68%	0.307%
204	11.827	11.808	11.850	VV	336521	6315411	23.46%	0.459%
205	11.855	11.850	11.872	VV	184134	2271068	8.44%	0.165%
206	11.897	11.872	11.927	VV	360552	7851799	29.17%	0.571%
207	11.940	11.927	11.954	VV	206545	2984247	11.09%	0.217%
208	11.970	11.954	11.984	VV	212979	3466488	12.88%	0.252%
209	11.990	11.984	12.001	VV	196664	1957739	7.27%	0.142%
210	12.009	12.001	12.020	VV	188720	2074401	7.71%	0.151%
211	12.037	12.020	12.062	VV	258221	5095739	18.93%	0.370%
212	12.082	12.062	12.094	VV	393728	5504589	20.45%	0.400%
213	12.099	12.094	12.120	VV	304280	3470974	12.90%	0.252%
214	12.162	12.120	12.168	VV	202658	4808821	17.87%	0.350%
215	12.193	12.168	12.210	VV	536210	8936787	33.20%	0.650%
216	12.228	12.210	12.242	VV	337987	5309559	19.73%	0.386%
217	12.255	12.242	12.283	VV	298243	5127290	19.05%	0.373%
218	12.303	12.283	12.372	VV	281346	8669599	32.21%	0.630%
219	12.403	12.372	12.413	VV	150476	3192426	11.86%	0.232%
220	12.430	12.413	12.450	VV	195020	3380493	12.56%	0.246%
221	12.462	12.450	12.474	VV	126753	1694538	6.30%	0.123%
222	12.491	12.474	12.509	VV	148831	2721362	10.11%	0.198%
223	12.546	12.509	12.573	VV	156156	5079173	18.87%	0.369%
224	12.593	12.573	12.622	VV	239063	4609167	17.12%	0.335%
225	12.626	12.622	12.647	VV	123481	1675401	6.22%	0.122%
226	12.666	12.647	12.678	VV	126366	2072401	7.70%	0.151%
227	12.705	12.678	12.723	VV	215651	4433169	16.47%	0.322%
228	12.734	12.723	12.745	VV	144369	1847459	6.86%	0.134%
229	12.769	12.745	12.794	VV	154553	4118866	15.30%	0.299%
230	12.804	12.794	12.828	VV	124277	2129240	7.91%	0.155%
231	12.882	12.828	12.909	VV	186731	6269493	23.29%	0.456%
232	12.930	12.909	12.970	VV	251440	5166448	19.19%	0.376%
233	12.991	12.970	13.006	VV	153365	2483604	9.23%	0.181%
234	13.024	13.006	13.050	VV	162744	3271327	12.15%	0.238%
235	13.065	13.050	13.080	VV	102495	1621533	6.02%	0.118%
236	13.107	13.080	13.128	VV	208117	3996991	14.85%	0.291%
237	13.145	13.128	13.160	VV	110048	1879126	6.98%	0.137%
238	13.179	13.160	13.216	VV	142727	3551654	13.20%	0.258%
239	13.225	13.216	13.242	VV	84087	1225347	4.55%	0.089%
240	13.255	13.242	13.267	VV	71286	992144	3.69%	0.072%
241	13.286	13.267	13.303	VV	99607	1807311	6.71%	0.131%
242	13.323	13.303	13.340	VV	123124	2223989	8.26%	0.162%
243	13.358	13.340	13.399	VV	122688	3269877	12.15%	0.238%
244	13.405	13.399	13.419	VV	71006	847611	3.15%	0.062%
245	13.450	13.419	13.469	VV	155185	3005491	11.17%	0.218%
246	13.490	13.469	13.512	VV	107088	2124079	7.89%	0.154%

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247	13.530	13.512	13.549	VV	70698	1462570	5.43%	0.106%
248	13.559	13.549	13.572	VV	66186	885853	3	
249	13.582	13.572	13.611	VV	64548	1334283	4	
250	13.634	13.611	13.670	VV	72992	2185564	8	
251	13.690	13.670	13.701	VV	61814	1056455	3	
252	13.720	13.701	13.730	VV	63538	1005027	3	
253	13.739	13.730	13.753	VV	61219	789776	2.93%	0.057%
254	13.767	13.753	13.772	VV	56858	609916	2.27%	0.044%
255	13.795	13.772	13.815	VV	87310	1730745	6.43%	0.126%
256	13.838	13.815	13.849	VV	55158	1084969	4.03%	0.079%
257	13.886	13.849	13.898	VV	77650	1986588	7.38%	0.144%
258	13.903	13.898	13.927	VV	75636	1130680	4.20%	0.082%
259	13.933	13.927	13.950	VV	55722	696376	2.59%	0.051%
260	13.955	13.950	13.960	VV	47458	280646	1.04%	0.020%
261	14.012	13.960	14.057	VV	73839	3565414	13.25%	0.259%
262	14.086	14.057	14.098	VV	73851	1479166	5.50%	0.108%
263	14.109	14.098	14.129	VV	75253	1203907	4.47%	0.088%
264	14.147	14.129	14.167	VV	80657	1422534	5.28%	0.103%
265	14.180	14.167	14.213	VV	55582	1317182	4.89%	0.096%
266	14.238	14.213	14.248	VV	45704	878360	3.26%	0.064%
267	14.265	14.248	14.289	VV	64215	1328379	4.94%	0.097%
268	14.306	14.289	14.331	VV	54618	1212364	4.50%	0.088%
269	14.339	14.331	14.360	VV	43225	682441	2.54%	0.050%
270	14.380	14.360	14.389	VV	39391	648029	2.41%	0.047%
271	14.407	14.389	14.421	VV	41314	760624	2.83%	0.055%
272	14.436	14.421	14.442	VV	44745	534745	1.99%	0.039%
273	14.458	14.442	14.479	VV	50644	985932	3.66%	0.072%
274	14.497	14.479	14.518	VV	62046	1084999	4.03%	0.079%
275	14.549	14.518	14.572	VV	51342	1369675	5.09%	0.100%
276	14.609	14.572	14.622	VV	51681	1298101	4.82%	0.094%
277	14.659	14.622	14.675	VV	61816	1677976	6.23%	0.122%
278	14.686	14.675	14.692	VV	48927	496590	1.84%	0.036%
279	14.695	14.692	14.722	VV	46352	732734	2.72%	0.053%
280	14.764	14.722	14.797	VV	59869	1962541	7.29%	0.143%
281	14.810	14.797	14.826	VV	35446	560075	2.08%	0.041%
282	14.840	14.826	14.860	VV	36093	662618	2.46%	0.048%
283	14.897	14.860	14.906	VV	42556	1042797	3.87%	0.076%
284	14.926	14.906	14.957	VV	47404	1272898	4.73%	0.093%
285	14.969	14.957	14.997	VV	39632	802248	2.98%	0.058%
286	15.010	14.997	15.018	VV	32759	405734	1.51%	0.029%
287	15.043	15.018	15.066	VV	37352	960578	3.57%	0.070%
288	15.082	15.066	15.100	VV	35110	642930	2.39%	0.047%
289	15.128	15.100	15.148	VV	74891	1405283	5.22%	0.102%
290	15.165	15.148	15.201	VV	50123	1145236	4.25%	0.083%
291	15.244	15.201	15.262	VV	37853	1179281	4.38%	0.086%
292	15.293	15.262	15.325	VV	50766	1489550	5.53%	0.108%
293	15.329	15.325	15.339	VV	30894	232501	0.86%	0.017%
294	15.344	15.339	15.347	VV	28387	139397	0.52%	0.010%
295	15.359	15.347	15.375	VV	34775	518828	1.93%	0.038%
296	15.380	15.375	15.384	VV	29169	162661	0.60%	0.012%
297	15.394	15.384	15.400	VV	31514	282935	1.05%	0.021%
298	15.413	15.400	15.433	VV	32399	611709	2.27%	0.044%
299	15.455	15.433	15.472	VV	34256	710403	2.64%	0.052%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

rteres

Manual IntegrationsAPPROVED

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

300	15.486	15.472	15.503	VV	31651	532716	1.98%	0.039%
301	15.516	15.503	15.530	VV	30377	449816		
302	15.565	15.530	15.586	VV	37230	1039329		
303	15.595	15.586	15.601	VV	27796	238449		
304	15.626	15.601	15.649	VV	31565	803930		
305	15.653	15.649	15.683	VV	23846	430549		
306	15.730	15.683	15.751	VV	42623	1260760	4.68%	0.092%
307	15.763	15.751	15.785	VV	33916	607657	2.26%	0.044%
308	15.826	15.785	15.847	VV	36799	1154978	4.29%	0.084%
309	15.870	15.847	15.887	VV	33551	711842	2.64%	0.052%
310	15.892	15.887	15.900	VV	30250	234782	0.87%	0.017%
311	15.927	15.900	15.953	VV	43886	1064754	3.96%	0.077%
312	15.979	15.953	15.987	VV	27129	489420	1.82%	0.036%
313	16.010	15.987	16.031	VV	42153	834244	3.10%	0.061%
314	16.039	16.031	16.050	VV	25117	272576	1.01%	0.020%
315	16.061	16.050	16.078	VV	26538	398233	1.48%	0.029%
316	16.109	16.078	16.120	VV	27346	615905	2.29%	0.045%
317	16.139	16.120	16.167	VV	30883	775967	2.88%	0.056%
318	16.174	16.167	16.182	VV	25492	213207	0.79%	0.015%
319	16.188	16.182	16.192	VV	25380	156407	0.58%	0.011%
320	16.197	16.192	16.213	VV	25086	294558	1.09%	0.021%
321	16.233	16.213	16.238	VV	26382	351721	1.31%	0.026%
322	16.241	16.238	16.261	VV	26048	341842	1.27%	0.025%
323	16.293	16.261	16.310	VV	32347	807180	3.00%	0.059%
324	16.326	16.310	16.348	VV	38263	719969	2.67%	0.052%
325	16.382	16.348	16.405	VV	31771	893209	3.32%	0.065%
326	16.410	16.405	16.415	VV	23082	139056	0.52%	0.010%
327	16.422	16.415	16.426	VV	24652	153630	0.57%	0.011%
328	16.433	16.426	16.440	VV	24936	206161	0.77%	0.015%
329	16.445	16.440	16.470	VV	25069	417798	1.55%	0.030%
330	16.521	16.470	16.550	VV	31079	1308728	4.86%	0.095%
331	16.562	16.550	16.585	VV	26851	513160	1.91%	0.037%
332	16.616	16.585	16.633	VV	23520	640241	2.38%	0.047%
333	16.640	16.633	16.654	VV	23296	283300	1.05%	0.021%
334	16.661	16.654	16.665	VV	21570	132732	0.49%	0.010%
335	16.671	16.665	16.680	VV	21674	185125	0.69%	0.013%
336	16.697	16.680	16.708	VV	26292	394503	1.47%	0.029%
337	16.724	16.708	16.740	VV	28853	518507	1.93%	0.038%
338	16.745	16.740	16.768	VV	25085	384129	1.43%	0.028%
339	16.798	16.768	16.816	VV	28754	707870	2.63%	0.051%
340	16.822	16.816	16.825	VV	24275	124320	0.46%	0.009%
341	16.834	16.825	16.854	VV	24312	392151	1.46%	0.029%
342	16.878	16.854	16.897	VV	37476	741133	2.75%	0.054%
343	16.908	16.897	16.930	VV	30062	459706	1.71%	0.033%
344	16.945	16.930	16.951	VV	19321	231225	0.86%	0.017%
345	16.971	16.951	16.988	VV	23563	475963	1.77%	0.035%
346	16.998	16.988	17.016	VV	21474	321793	1.20%	0.023%
347	17.029	17.016	17.035	VV	21111	224923	0.84%	0.016%
348	17.050	17.035	17.072	VV	22318	449181	1.67%	0.033%
349	17.106	17.072	17.132	VV	25651	754604	2.80%	0.055%
350	17.144	17.132	17.158	VV	18615	278673	1.04%	0.020%
351	17.167	17.158	17.185	VV	18403	262855	0.98%	0.019%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1

Manual IntegrationsAPPROVED

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

rteres

352	17.200	17.185	17.215	VV	19580	309813	1.15%	0.023%
353	17.227	17.215	17.239	VV	17593	234430		
354	17.249	17.239	17.254	VV	17129	148795		
355	17.261	17.254	17.272	VV	17224	164622		
356	17.293	17.272	17.307	VV	19006	332427		
357	17.352	17.307	17.372	VV	21638	716047		
358	17.394	17.372	17.414	VV	19219	437165	1.62%	0.032%
359	17.421	17.414	17.435	VV	16798	203284	0.76%	0.015%
360	17.451	17.435	17.462	VV	16045	234447	0.87%	0.017%
361	17.466	17.462	17.474	VV	14018	95830	0.36%	0.007%
362	17.497	17.474	17.516	VV	23800	457316	1.70%	0.033%
363	17.541	17.516	17.569	VV	23613	566503	2.10%	0.041%
364	17.573	17.569	17.580	VV	12303	76423	0.28%	0.006%
365	17.604	17.580	17.623	VV	17610	350370	1.30%	0.025%
366	17.648	17.623	17.673	VV	15804	401982	1.49%	0.029%
367	17.680	17.673	17.685	VV	12227	76176	0.28%	0.006%
368	17.708	17.685	17.730	VV	14775	355272	1.32%	0.026%
369	17.754	17.730	17.795	VV	21136	547053	2.03%	0.040%
370	17.820	17.795	17.845	VV	12487	309090	1.15%	0.022%
371	17.861	17.845	17.897	VV	16112	355223	1.32%	0.026%
372	17.901	17.897	17.905	VV	6783	33111	0.12%	0.002%
373	17.933	17.905	17.971	VV	10723	332473	1.24%	0.024%
374	17.996	17.971	18.034	VV	13124	345132	1.28%	0.025%
375	18.042	18.034	18.057	VV	6382	68554	0.25%	0.005%
376	18.073	18.057	18.114	VV	8781	200853	0.75%	0.015%
377	18.119	18.114	18.125	VV	3883	22637	0.08%	0.002%
378	18.144	18.125	18.162	VV	7840	118367	0.44%	0.009%
379	18.167	18.162	18.182	VV	4314	43648	0.16%	0.003%
380	18.194	18.182	18.208	VV	3284	38146	0.14%	0.003%
381	18.226	18.208	18.250	VBA	5942	128944	0.48%	0.009%

Sum of corrected areas: 1375783645

Aromatic EPH 102324.M Sat Nov 09 03:31:23 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-1DL		SDG No.:	P4721	
Lab Sample ID:	P4721-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.7	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048694.D	5	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	46.0		1.88	4.17	mg/kg
Aromatic C12-C16	Aromatic C12-C16	206	E	2.13	6.25	mg/kg
Aromatic C16-C21	Aromatic C16-C21	423	E	6.00	10.4	mg/kg
Aromatic C21-C36	Aromatic C21-C36	81.8		12.5	16.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	17.0		40 - 140	170%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	14.6		40 - 140	146%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	9.81		40 - 140	98%	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:	P4721-04DL	Acq On:	11 Nov 2024 12:15
Client Sample ID:	EX-11-TPH-1DL	Operator:	YP/AJ
Data file:	FD048694.D	Misc:	
Instrument:	FID_D	ALS Vial:	60
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.090	5.808	19437259	110.312	200	ug/ml
Aromatic C12-C16	5.809	8.414	87944437	496.095	300	ug/ml
Aromatic C16-C21	8.415	12.677	166578773	1020	500	ug/ml
Aromatic C21-C36	12.678	18.084	29957452	196.168	800	ug/ml
Aromatic EPH	4.090	18.084	303917921	1820		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	1670490	9.81		ug/ml
2-Bromonaphthalene (SURR)	7.369	7.369	2579027	16.99		ug/ml
2-Flurobiphenyl (SURR)	8.220	8.220	1437582	14.64		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048694.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:15
Operator : YP/AJ
Sample : P4721-04DL 5X
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:35 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...	7.369	2579027	16.992 ug/mlm
Spiked Amount 50.000		Recovery =	33.98%
6) S 2-Flurobiphenyl (SURR)	8.220	1437582	14.641 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	29.28%
11) S ortho-Terphenyl (SURR)	11.255	1670490	9.807 ug/mlm
Spiked Amount 50.000		Recovery =	19.61%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048694.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:15
Operator : YP/AJ
Sample : P4721-04DL 5X
Misc :
ALS Vial : 60 Sample Multiplier: 1

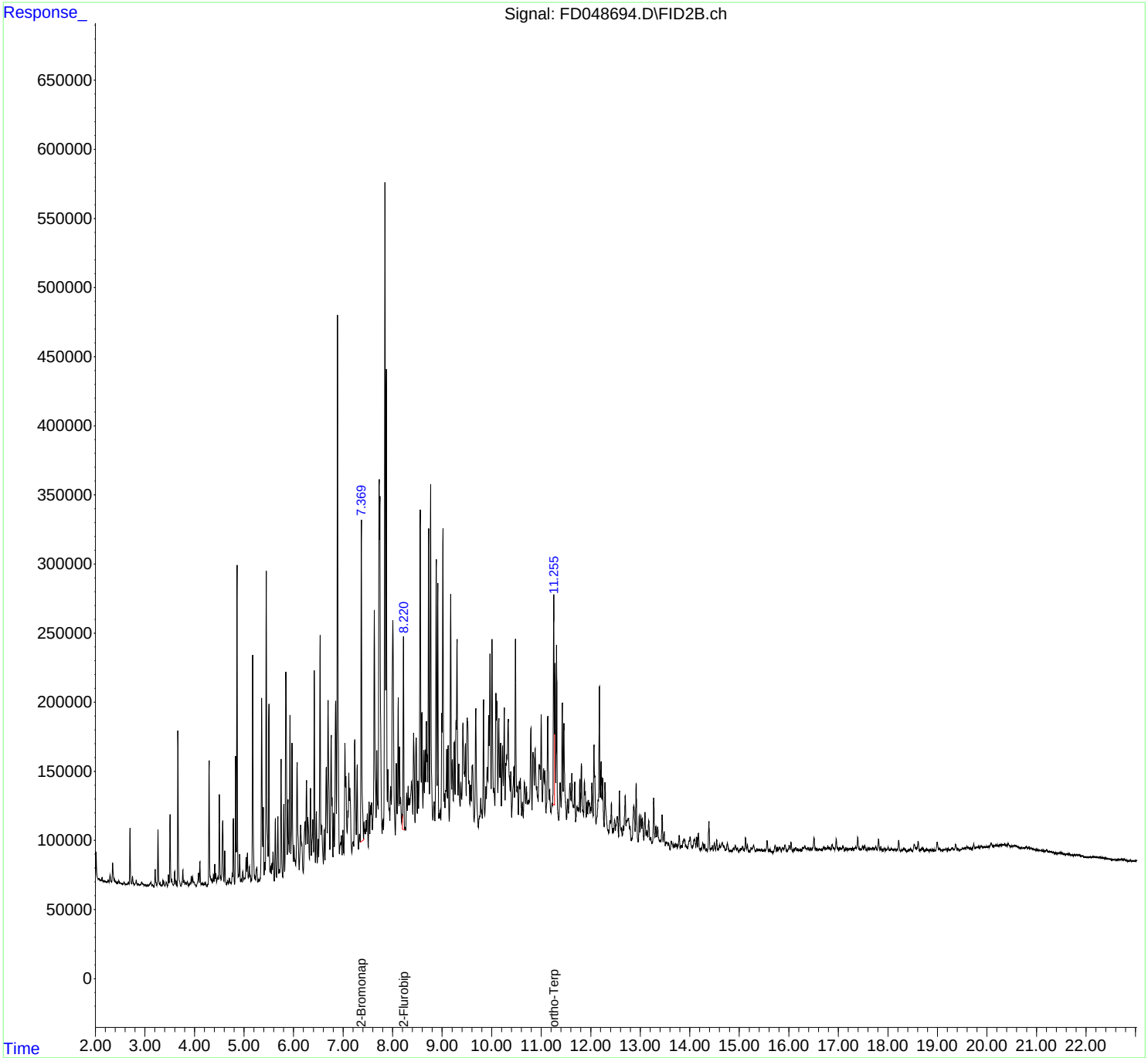
Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

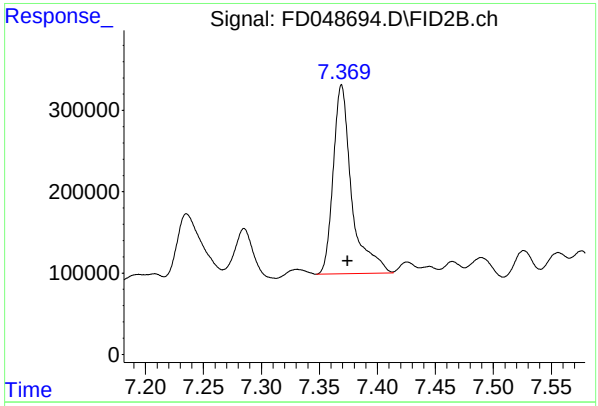
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:35 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





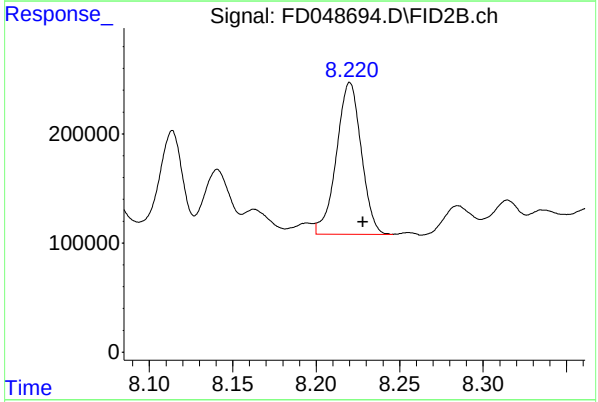
#4 2-Bromonaphthalene (SURR)

R.T.: 7.369 min
Delta R.T.: -0.006 mi
Response: 2579027
Conc: 16.99 ug/m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

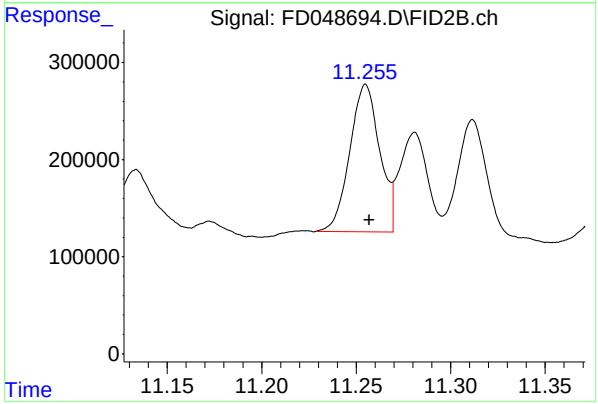
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.220 min
Delta R.T.: -0.008 min
Response: 1437582
Conc: 14.64 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.255 min
Delta R.T.: -0.002 min
Response: 1670490
Conc: 9.81 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/12/2024
Supervised By :Ankita Jadhani

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11112
Data File : FD048694.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:15
Sample : P4721-04DL 5X
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Title : GC Extractables

Signal : FID2B.ch

11/12/2024

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.082	4.042	4.094	PV	7449	86242	1.44%	0.028%
2	4.108	4.094	4.134	PV	15696	136609	2.29%	0.044%
3	4.141	4.134	4.149	PV	596	4628	0.08%	0.001%
4	4.159	4.149	4.180	VV	1366	14601	0.24%	0.005%
5	4.192	4.180	4.209	VV	1162	11760	0.20%	0.004%
6	4.221	4.209	4.242	VV	2166	23599	0.40%	0.008%
7	4.295	4.242	4.335	PV	90496	895803	14.99%	0.286%
8	4.345	4.335	4.367	VV	5091	73650	1.23%	0.024%
9	4.384	4.367	4.395	VV	7869	88180	1.48%	0.028%
10	4.409	4.395	4.421	VV	15500	142740	2.39%	0.046%
11	4.430	4.421	4.447	VV	8850	87743	1.47%	0.028%
12	4.461	4.447	4.470	VV	5343	60137	1.01%	0.019%
13	4.478	4.470	4.485	VV	5989	47497	0.80%	0.015%
14	4.502	4.485	4.522	VV	65539	621584	10.40%	0.198%
15	4.527	4.522	4.538	VV	5874	50018	0.84%	0.016%
16	4.570	4.538	4.594	VV	46676	679935	11.38%	0.217%
17	4.611	4.594	4.646	VV	24772	264686	4.43%	0.084%
18	4.673	4.646	4.689	VV	2881	45904	0.77%	0.015%
19	4.704	4.689	4.724	VV	4601	54641	0.91%	0.017%
20	4.731	4.724	4.742	VV	1506	12894	0.22%	0.004%
21	4.762	4.742	4.769	VV	7510	68545	1.15%	0.022%
22	4.784	4.769	4.812	VV	47941	463799	7.76%	0.148%
23	4.832	4.812	4.844	VV	92762	804631	13.47%	0.257%
24	4.859	4.844	4.884	VV	230553	2085152	34.90%	0.666%
25	4.891	4.884	4.895	VV	6169	39227	0.66%	0.013%
26	4.912	4.895	4.930	VV	21579	224332	3.76%	0.072%
27	4.943	4.930	4.957	VV	3482	43705	0.73%	0.014%
28	4.975	4.957	4.992	VV	9004	119794	2.01%	0.038%
29	5.001	4.992	5.011	VV	4564	44578	0.75%	0.014%
30	5.018	5.011	5.025	VV	4094	34578	0.58%	0.011%
31	5.043	5.025	5.056	VV	19255	222971	3.73%	0.071%
32	5.069	5.056	5.085	VV	22382	234074	3.92%	0.075%
33	5.108	5.085	5.121	VV	12376	161176	2.70%	0.051%
34	5.127	5.121	5.140	VV	6161	49425	0.83%	0.016%
35	5.150	5.140	5.155	VV	2970	21077	0.35%	0.007%
36	5.175	5.155	5.213	VV	165238	1737344	29.08%	0.555%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/12/2024
Supervised By : Ankita Sidhani

11/12/2024

rteres

37	5.222	5.213	5.233	VV	5094	48385	0.81%	0.015%
38	5.260	5.233	5.281	VV	12034	199458	3	
39	5.300	5.281	5.312	VV	2757	37519	0	
40	5.356	5.312	5.379	VV	133736	1650448	27	
41	5.389	5.379	5.406	VV	54674	521338	8	
42	5.419	5.406	5.430	VV	15030	158953	2	
43	5.449	5.430	5.487	VV	225685	2622049	43.89%	0.837%
44	5.502	5.487	5.528	VV	129217	1267257	21.21%	0.405%
45	5.541	5.528	5.553	VV	11885	139036	2.33%	0.044%
46	5.565	5.553	5.574	VV	14047	132025	2.21%	0.042%
47	5.586	5.574	5.611	VV	22113	258259	4.32%	0.082%
48	5.632	5.611	5.657	VV	46247	478766	8.01%	0.153%
49	5.684	5.657	5.701	VV	47621	556350	9.31%	0.178%
50	5.709	5.701	5.720	VV	9251	90128	1.51%	0.029%
51	5.749	5.720	5.783	VV	88953	1046075	17.51%	0.334%
52	5.803	5.783	5.820	VV	55648	560196	9.38%	0.179%
53	5.845	5.820	5.874	VV	151549	2373304	39.73%	0.758%
54	5.887	5.874	5.913	VV	59298	836970	14.01%	0.267%
55	5.929	5.913	5.945	VV	120434	1232619	20.63%	0.393%
56	5.970	5.945	5.997	VV	100033	1408416	23.58%	0.450%
57	6.010	5.997	6.024	VV	26278	319152	5.34%	0.102%
58	6.030	6.024	6.042	VV	15342	149129	2.50%	0.048%
59	6.072	6.042	6.115	VV	85795	1546826	25.89%	0.494%
60	6.144	6.115	6.164	VV	40684	765239	12.81%	0.244%
61	6.169	6.164	6.197	VV	26494	324541	5.43%	0.104%
62	6.232	6.197	6.244	VV	42625	800139	13.39%	0.255%
63	6.262	6.244	6.278	VV	72559	1012702	16.95%	0.323%
64	6.289	6.278	6.320	VV	45801	863926	14.46%	0.276%
65	6.343	6.320	6.361	VV	66862	960652	16.08%	0.307%
66	6.390	6.361	6.403	VV	43915	791213	13.24%	0.253%
67	6.420	6.403	6.442	VV	151642	1544770	25.86%	0.493%
68	6.461	6.442	6.480	VV	49568	638704	10.69%	0.204%
69	6.497	6.480	6.508	VV	29747	357643	5.99%	0.114%
70	6.537	6.508	6.554	VV	176775	2162581	36.20%	0.690%
71	6.564	6.554	6.603	VV	39143	843437	14.12%	0.269%
72	6.620	6.603	6.636	VV	36148	473031	7.92%	0.151%
73	6.661	6.636	6.681	VV	81407	1380607	23.11%	0.441%
74	6.697	6.681	6.734	VV	129780	2249346	37.65%	0.718%
75	6.760	6.734	6.774	VV	104510	1485350	24.86%	0.474%
76	6.779	6.774	6.795	VV	59122	533603	8.93%	0.170%
77	6.809	6.795	6.824	VV	48007	577776	9.67%	0.184%
78	6.851	6.824	6.869	VV	128966	2079942	34.82%	0.664%
79	6.889	6.869	6.926	VV	407373	5127600	85.83%	1.637%
80	6.947	6.926	6.955	VV	26506	403602	6.76%	0.129%
81	6.966	6.955	6.981	VV	31173	399921	6.69%	0.128%
82	6.996	6.981	7.015	VV	35157	543878	9.10%	0.174%
83	7.039	7.015	7.050	VV	97740	1238978	20.74%	0.395%
84	7.058	7.050	7.083	VV	74108	1067914	17.88%	0.341%
85	7.097	7.083	7.104	VV	49169	512693	8.58%	0.164%
86	7.117	7.104	7.128	VV	76429	903383	15.12%	0.288%
87	7.137	7.128	7.178	VV	65334	1313697	21.99%	0.419%
88	7.194	7.178	7.199	VV	25826	297856	4.99%	0.095%
89	7.208	7.199	7.216	VV	26718	252574	4.23%	0.081%

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90	7.236	7.216	7.267	VV	100330	1820079	30.47%	0.581%
91	7.285	7.267	7.314	VV	82174	1275374	21	
92	7.331	7.314	7.347	VV	31739	563357	9	
93	7.369	7.347	7.413	VV	258445	3633317	60	
94	7.426	7.413	7.437	VV	40689	513011	8	
95	7.445	7.437	7.453	VV	35316	324190	5	
96	7.465	7.453	7.476	VV	41306	490323	8.21%	0.157%
97	7.490	7.476	7.509	VV	46034	730926	12.23%	0.233%
98	7.526	7.509	7.541	VV	54473	761404	12.74%	0.243%
99	7.556	7.541	7.566	VV	52043	675608	11.31%	0.216%
100	7.576	7.566	7.592	VV	54210	720167	12.05%	0.230%
101	7.631	7.592	7.668	VV	192389	3847394	64.40%	1.228%
102	7.682	7.668	7.696	VV	91582	1128070	18.88%	0.360%
103	7.701	7.696	7.708	VV	54987	383423	6.42%	0.122%
104	7.728	7.708	7.736	VV	287507	3055785	51.15%	0.975%
105	7.743	7.736	7.789	VV	276201	3951111	66.14%	1.261%
106	7.804	7.789	7.816	VV	41025	612024	10.24%	0.195%
107	7.847	7.816	7.861	VV	501939	5974165	100.00%	1.907%
108	7.873	7.861	7.893	VV	366721	3860530	64.62%	1.232%
109	7.907	7.893	7.928	VV	77514	1311867	21.96%	0.419%
110	7.934	7.928	7.946	VV	49641	490482	8.21%	0.157%
111	7.961	7.946	7.976	VV	64957	1025643	17.17%	0.327%
112	8.006	7.976	8.055	VV	184378	4656821	77.95%	1.486%
113	8.076	8.055	8.094	VV	81115	1288074	21.56%	0.411%
114	8.114	8.094	8.127	VV	128982	1632475	27.33%	0.521%
115	8.141	8.127	8.156	VV	93239	1222608	20.46%	0.390%
116	8.163	8.156	8.182	VV	56615	772512	12.93%	0.247%
117	8.220	8.182	8.247	VV	172979	2838116	47.51%	0.906%
118	8.255	8.247	8.264	VV	35096	342145	5.73%	0.109%
119	8.285	8.264	8.299	VV	59696	1016277	17.01%	0.324%
120	8.315	8.299	8.327	VV	64736	930781	15.58%	0.297%
121	8.336	8.327	8.350	VV	55608	747745	12.52%	0.239%
122	8.384	8.350	8.408	VV	67904	2046352	34.25%	0.653%
123	8.425	8.408	8.454	VV	102665	1958844	32.79%	0.625%
124	8.477	8.454	8.498	VV	99028	1927223	32.26%	0.615%
125	8.511	8.498	8.525	VV	67965	917931	15.37%	0.293%
126	8.558	8.525	8.578	VV	262611	4126509	69.07%	1.317%
127	8.592	8.578	8.614	VV	117600	1738906	29.11%	0.555%
128	8.630	8.614	8.643	VV	90211	1235595	20.68%	0.394%
129	8.657	8.643	8.669	VV	90435	1212441	20.29%	0.387%
130	8.682	8.669	8.695	VV	110885	1398276	23.41%	0.446%
131	8.701	8.695	8.711	VV	86654	805547	13.48%	0.257%
132	8.728	8.711	8.745	VV	250139	2880575	48.22%	0.919%
133	8.768	8.745	8.815	VV	282150	4619936	77.33%	1.475%
134	8.838	8.815	8.854	VV	52475	1085113	18.16%	0.346%
135	8.882	8.854	8.898	VV	227405	3102779	51.94%	0.990%
136	8.913	8.898	8.933	VV	210532	2427710	40.64%	0.775%
137	8.941	8.933	8.952	VV	43441	478270	8.01%	0.153%
138	8.964	8.952	8.975	VV	45937	612897	10.26%	0.196%
139	8.995	8.975	9.001	VV	116055	1263886	21.16%	0.403%
140	9.017	9.001	9.037	VV	249247	3122638	52.27%	0.997%
141	9.044	9.037	9.059	VV	57912	697993	11.68%	0.223%

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142	9.094	9.059	9.107	VV	89846	1887745	31.60%	0.603%
143	9.122	9.107	9.145	VV	92820	1490162	24	
144	9.174	9.145	9.193	VV	201638	3013702	50	
145	9.207	9.193	9.226	VV	82167	1368030	22	
146	9.245	9.226	9.263	VV	94769	1639557	27	
147	9.282	9.263	9.288	VV	110945	1370512	22	
148	9.302	9.288	9.322	VV	168866	2309186	38.65%	0.737%
149	9.339	9.322	9.364	VV	78779	1566809	26.23%	0.500%
150	9.379	9.364	9.395	VV	65607	1071185	17.93%	0.342%
151	9.421	9.395	9.447	VV	108543	2566581	42.96%	0.819%
152	9.452	9.447	9.459	VV	72933	509518	8.53%	0.163%
153	9.472	9.459	9.487	VV	93445	1264033	21.16%	0.403%
154	9.508	9.487	9.539	VV	111883	2870035	48.04%	0.916%
155	9.544	9.539	9.560	VV	66195	768050	12.86%	0.245%
156	9.574	9.560	9.590	VV	63079	1010582	16.92%	0.323%
157	9.614	9.590	9.646	VV	77319	2066178	34.59%	0.660%
158	9.680	9.646	9.731	VV	118169	3093116	51.77%	0.987%
159	9.760	9.731	9.764	VV	40514	746814	12.50%	0.238%
160	9.781	9.764	9.794	VV	53116	820979	13.74%	0.262%
161	9.798	9.794	9.810	VV	43770	409963	6.86%	0.131%
162	9.837	9.810	9.862	VV	124348	2108694	35.30%	0.673%
163	9.884	9.862	9.894	VV	61392	991774	16.60%	0.317%
164	9.911	9.894	9.925	VV	75309	1229366	20.58%	0.392%
165	9.942	9.925	9.952	VV	112417	1516075	25.38%	0.484%
166	9.968	9.952	9.990	VV	157219	2523819	42.25%	0.806%
167	10.009	9.990	10.037	VV	167747	2868203	48.01%	0.916%
168	10.045	10.037	10.065	VV	59780	931086	15.59%	0.297%
169	10.087	10.065	10.099	VV	128530	1933752	32.37%	0.617%
170	10.107	10.099	10.126	VV	122851	1607468	26.91%	0.513%
171	10.145	10.126	10.167	VV	110128	2032411	34.02%	0.649%
172	10.182	10.167	10.198	VV	92289	1343035	22.48%	0.429%
173	10.220	10.198	10.237	VV	90337	1667285	27.91%	0.532%
174	10.256	10.237	10.273	VV	117986	1814946	30.38%	0.579%
175	10.307	10.273	10.315	VV	83985	1855700	31.06%	0.592%
176	10.335	10.315	10.375	VV	108467	2983063	49.93%	0.952%
177	10.388	10.375	10.405	VV	71277	1061473	17.77%	0.339%
178	10.449	10.405	10.463	VV	74651	2004635	33.56%	0.640%
179	10.482	10.463	10.509	VV	167134	2655757	44.45%	0.848%
180	10.523	10.509	10.541	VV	60278	1004747	16.82%	0.321%
181	10.560	10.541	10.570	VV	63967	945906	15.83%	0.302%
182	10.581	10.570	10.606	VV	66177	1187721	19.88%	0.379%
183	10.621	10.606	10.638	VV	48386	851708	14.26%	0.272%
184	10.663	10.638	10.687	VV	63176	1550055	25.95%	0.495%
185	10.702	10.687	10.720	VV	59497	1058018	17.71%	0.338%
186	10.743	10.720	10.752	VV	49820	921680	15.43%	0.294%
187	10.793	10.752	10.816	VV	102099	2588371	43.33%	0.826%
188	10.835	10.816	10.863	VV	84452	1975365	33.07%	0.631%
189	10.879	10.863	10.905	VV	86990	1833544	30.69%	0.585%
190	10.912	10.905	10.940	VV	59324	1147240	19.20%	0.366%
191	10.960	10.940	10.968	VV	75490	1101325	18.43%	0.352%
192	10.975	10.968	10.987	VV	74505	824370	13.80%	0.263%
193	11.002	10.987	11.026	VV	111579	1828819	30.61%	0.584%
194	11.050	11.026	11.063	VV	72358	1387130	23.22%	0.443%

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195	11.075	11.063	11.098	VV	70822	1216746	20.37%	0.388%
196	11.133	11.098	11.162	VV	109913	2570956	43	
197	11.172	11.162	11.200	VV	56696	1099887	18	
198	11.223	11.200	11.228	VV	46693	734814	12	
199	11.255	11.228	11.269	VV	197787	2791771	46	
200	11.281	11.269	11.296	VV	147854	1782242	29	
201	11.312	11.296	11.353	VV	161092	2636824	44.14%	0.842%
202	11.382	11.353	11.403	VV	61137	1442505	24.15%	0.460%
203	11.427	11.403	11.444	VV	119340	1895202	31.72%	0.605%
204	11.459	11.444	11.514	VV	104364	2581001	43.20%	0.824%
205	11.535	11.514	11.551	VV	49250	954797	15.98%	0.305%
206	11.581	11.551	11.603	VV	60414	1601592	26.81%	0.511%
207	11.620	11.603	11.647	VV	67798	1426215	23.87%	0.455%
208	11.653	11.647	11.664	VV	44127	424959	7.11%	0.136%
209	11.680	11.664	11.697	VV	61670	968895	16.22%	0.309%
210	11.722	11.697	11.733	VV	43893	860478	14.40%	0.275%
211	11.740	11.733	11.749	VV	42812	390396	6.53%	0.125%
212	11.757	11.749	11.764	VV	41745	366639	6.14%	0.117%
213	11.780	11.764	11.794	VV	62977	929864	15.56%	0.297%
214	11.813	11.794	11.857	VV	74440	1899368	31.79%	0.606%
215	11.873	11.857	11.884	VV	61657	829452	13.88%	0.265%
216	11.891	11.884	11.910	VV	53901	759949	12.72%	0.243%
217	11.926	11.910	11.942	VV	46360	778502	13.03%	0.248%
218	11.957	11.942	11.968	VV	47660	683595	11.44%	0.218%
219	11.974	11.968	11.987	VV	45866	507447	8.49%	0.162%
220	11.998	11.987	12.007	VV	42647	481904	8.07%	0.154%
221	12.024	12.007	12.048	VV	60179	1155038	19.33%	0.369%
222	12.067	12.048	12.108	VV	87622	2039372	34.14%	0.651%
223	12.149	12.108	12.155	VV	47509	1091812	18.28%	0.349%
224	12.176	12.155	12.194	VV	129594	1957016	32.76%	0.625%
225	12.210	12.194	12.227	VV	75011	1203884	20.15%	0.384%
226	12.239	12.227	12.271	VV	63093	1209189	20.24%	0.386%
227	12.289	12.271	12.362	VV	60081	1962122	32.84%	0.626%
228	12.393	12.362	12.402	VV	32055	663883	11.11%	0.212%
229	12.417	12.402	12.440	VV	44821	783476	13.11%	0.250%
230	12.454	12.440	12.464	VV	26562	355002	5.94%	0.113%
231	12.482	12.464	12.500	VV	32501	622584	10.42%	0.199%
232	12.536	12.500	12.562	VV	34709	1101138	18.43%	0.351%
233	12.582	12.562	12.611	VV	53435	1024585	17.15%	0.327%
234	12.620	12.611	12.637	VV	26437	368444	6.17%	0.118%
235	12.656	12.637	12.666	VV	27410	426652	7.14%	0.136%
236	12.695	12.666	12.712	VV	49575	1002128	16.77%	0.320%
237	12.725	12.712	12.732	VV	31419	358315	6.00%	0.114%
238	12.742	12.732	12.747	VV	31779	284175	4.76%	0.091%
239	12.759	12.747	12.785	VV	33301	704554	11.79%	0.225%
240	12.793	12.785	12.816	VV	27305	431098	7.22%	0.138%
241	12.872	12.816	12.898	VV	41631	1380945	23.12%	0.441%
242	12.918	12.898	12.957	VV	58095	1133469	18.97%	0.362%
243	12.980	12.957	12.995	VV	34655	557381	9.33%	0.178%
244	13.012	12.995	13.029	VV	34396	614919	10.29%	0.196%
245	13.043	13.029	13.070	VV	32595	632446	10.59%	0.202%
246	13.094	13.070	13.120	VV	36884	771850	12.92%	0.246%

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247	13.134	13.120	13.150	VV	23609	392024	6.56%	0.125%
248	13.171	13.150	13.194	VV	30554	635379	10	
249	13.208	13.194	13.235	VV	18292	406523	6	
250	13.272	13.235	13.297	VV	46915	944872	15	
251	13.315	13.297	13.330	VV	26299	445760	7	
252	13.349	13.330	13.392	VV	25718	735723	12	
253	13.403	13.392	13.414	VV	16370	202182	3.38%	0.065%
254	13.442	13.414	13.462	VV	34438	655038	10.96%	0.209%
255	13.483	13.462	13.506	VV	22159	458827	7.68%	0.146%
256	13.526	13.506	13.540	VV	14668	281285	4.71%	0.090%
257	13.543	13.540	13.560	VV	14159	162350	2.72%	0.052%
258	13.575	13.560	13.604	VV	13754	300045	5.02%	0.096%
259	13.626	13.604	13.666	VV	15300	465117	7.79%	0.148%
260	13.678	13.666	13.695	VV	12712	202155	3.38%	0.065%
261	13.710	13.695	13.722	VV	13213	194277	3.25%	0.062%
262	13.735	13.722	13.747	VV	12527	168758	2.82%	0.054%
263	13.786	13.747	13.805	VV	18756	463729	7.76%	0.148%
264	13.835	13.805	13.844	VV	11569	246496	4.13%	0.079%
265	13.864	13.844	13.870	VV	14478	201759	3.38%	0.064%
266	13.884	13.870	13.944	VV	16059	571027	9.56%	0.182%
267	13.956	13.944	13.959	VV	9755	92699	1.55%	0.030%
268	14.006	13.959	14.050	VV	17496	710816	11.90%	0.227%
269	14.084	14.050	14.092	VV	15013	305843	5.12%	0.098%
270	14.102	14.092	14.120	VV	15316	223762	3.75%	0.071%
271	14.140	14.120	14.157	VV	16870	290316	4.86%	0.093%
272	14.173	14.157	14.202	VV	19575	359498	6.02%	0.115%
273	14.229	14.202	14.241	VV	8745	187682	3.14%	0.060%
274	14.260	14.241	14.285	VV	12080	278331	4.66%	0.089%
275	14.299	14.285	14.322	VV	11036	207174	3.47%	0.066%
276	14.338	14.322	14.354	VV	8415	142537	2.39%	0.045%
277	14.386	14.354	14.413	VV	27902	512674	8.58%	0.164%
278	14.424	14.413	14.435	VV	8417	106488	1.78%	0.034%
279	14.456	14.435	14.474	VV	10310	198055	3.32%	0.063%
280	14.495	14.474	14.520	VV	12182	254941	4.27%	0.081%
281	14.544	14.520	14.566	VV	14067	277079	4.64%	0.088%
282	14.603	14.566	14.617	VV	10449	260894	4.37%	0.083%
283	14.652	14.617	14.688	VV	11920	437144	7.32%	0.140%
284	14.694	14.688	14.719	VV	9327	148796	2.49%	0.047%
285	14.757	14.719	14.792	VV	11534	360201	6.03%	0.115%
286	14.802	14.792	14.812	VV	6179	72697	1.22%	0.023%
287	14.820	14.812	14.826	VV	5929	45892	0.77%	0.015%
288	14.834	14.826	14.843	VV	6015	58681	0.98%	0.019%
289	14.848	14.843	14.857	VV	5902	49366	0.83%	0.016%
290	14.886	14.857	14.899	VV	7757	166507	2.79%	0.053%
291	14.918	14.899	14.948	VV	9807	237968	3.98%	0.076%
292	14.962	14.948	14.990	VV	7382	153482	2.57%	0.049%
293	15.040	14.990	15.047	VV	6944	207906	3.48%	0.066%
294	15.067	15.047	15.104	VV	8648	231239	3.87%	0.074%
295	15.124	15.104	15.145	VV	14683	243551	4.08%	0.078%
296	15.162	15.145	15.187	VV	9589	176688	2.96%	0.056%
297	15.193	15.187	15.201	VV	4799	38504	0.64%	0.012%
298	15.208	15.201	15.216	VV	5057	40659	0.68%	0.013%
299	15.236	15.216	15.252	VV	7428	133224	2.23%	0.043%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

rteres

300	15.287	15.252	15.337	VV	9097	336214	5.63%	0.107%
301	15.353	15.337	15.370	VV	6361	107850	1	
302	15.387	15.370	15.394	VV	5571	77429	1	
303	15.400	15.394	15.405	VV	5755	35846	0	
304	15.416	15.405	15.434	VV	5893	88149	1	
305	15.450	15.434	15.470	VV	5970	109841	1	
306	15.481	15.470	15.497	VV	5252	80240	1.34%	0.026%
307	15.509	15.497	15.527	VV	5328	87830	1.47%	0.028%
308	15.560	15.527	15.600	VV	11717	294521	4.93%	0.094%
309	15.614	15.600	15.618	VV	5189	49841	0.83%	0.016%
310	15.622	15.618	15.646	VV	5303	74744	1.25%	0.024%
311	15.650	15.646	15.655	VV	3761	20652	0.35%	0.007%
312	15.660	15.655	15.672	VV	3539	31533	0.53%	0.010%
313	15.723	15.672	15.748	VV	8298	231744	3.88%	0.074%
314	15.762	15.748	15.784	VV	6397	112606	1.88%	0.036%
315	15.816	15.784	15.842	VV	6844	190317	3.19%	0.061%
316	15.846	15.842	15.852	VV	4538	25687	0.43%	0.008%
317	15.873	15.852	15.895	VV	6174	133467	2.23%	0.043%
318	15.925	15.895	15.954	VV	7905	201788	3.38%	0.064%
319	15.962	15.954	15.966	VV	3797	26980	0.45%	0.009%
320	16.008	15.966	16.024	VV	7278	183778	3.08%	0.059%
321	16.044	16.024	16.080	VV	9739	189806	3.18%	0.061%
322	16.098	16.080	16.111	VV	4554	72129	1.21%	0.023%
323	16.134	16.111	16.162	VV	5609	142861	2.39%	0.046%
324	16.174	16.162	16.189	VV	4785	65898	1.10%	0.021%
325	16.196	16.189	16.214	VV	4111	59175	0.99%	0.019%
326	16.226	16.214	16.258	VV	4333	97513	1.63%	0.031%
327	16.286	16.258	16.294	VV	5452	98466	1.65%	0.031%
328	16.299	16.294	16.305	VV	5086	34654	0.58%	0.011%
329	16.323	16.305	16.347	VV	6910	139250	2.33%	0.044%
330	16.351	16.347	16.360	VV	4447	31474	0.53%	0.010%
331	16.382	16.360	16.395	VV	5285	97295	1.63%	0.031%
332	16.398	16.395	16.414	VV	4518	44908	0.75%	0.014%
333	16.428	16.414	16.438	VV	4403	59288	0.99%	0.019%
334	16.443	16.438	16.455	VV	4556	40181	0.67%	0.013%
335	16.506	16.455	16.545	VV	12254	328347	5.50%	0.105%
336	16.550	16.545	16.566	VV	4276	47208	0.79%	0.015%
337	16.572	16.566	16.601	VV	3841	75207	1.26%	0.024%
338	16.616	16.601	16.634	VV	3976	71027	1.19%	0.023%
339	16.637	16.634	16.655	VV	3727	41368	0.69%	0.013%
340	16.665	16.655	16.671	VV	3320	29939	0.50%	0.010%
341	16.709	16.671	16.736	VV	4824	156076	2.61%	0.050%
342	16.745	16.736	16.764	VV	4240	62935	1.05%	0.020%
343	16.791	16.764	16.809	VV	5357	117753	1.97%	0.038%
344	16.826	16.809	16.847	VV	4683	87618	1.47%	0.028%
345	16.878	16.847	16.895	VV	6582	135768	2.27%	0.043%
346	16.907	16.895	16.929	VV	4318	70447	1.18%	0.022%
347	16.956	16.929	16.982	VV	10539	192486	3.22%	0.061%
348	16.986	16.982	17.005	VV	3635	41560	0.70%	0.013%
349	17.018	17.005	17.025	VV	3662	38472	0.64%	0.012%
350	17.031	17.025	17.040	VV	3534	31221	0.52%	0.010%
351	17.045	17.040	17.058	VV	3635	35738	0.60%	0.011%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/12/2024

Supervised By :Ankita Jadhani

10/12/2024

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel

11/12/2024

Supervised By :Ankita Jadhani

11/12/2024

rteres

352	17.091	17.058	17.125	VV	4802	139737	2.34%	0.045%
353	17.132	17.125	17.140	VV	2655	22588		
354	17.147	17.140	17.152	VV	3060	20172		
355	17.160	17.152	17.177	VV	2958	40284		
356	17.195	17.177	17.205	VV	3059	43780		
357	17.240	17.205	17.274	VV	3107	101183		
358	17.282	17.274	17.308	VV	2822	48314	0.81%	0.015%
359	17.333	17.308	17.338	VV	3442	51902	0.87%	0.017%
360	17.349	17.338	17.367	VV	3983	57991	0.97%	0.019%
361	17.390	17.367	17.429	VV	10763	195391	3.27%	0.062%
362	17.443	17.429	17.460	VV	2535	37696	0.63%	0.012%
363	17.468	17.460	17.471	VV	2136	12607	0.21%	0.004%
364	17.487	17.471	17.505	VV	4484	66568	1.11%	0.021%
365	17.535	17.505	17.567	VV	4456	101685	1.70%	0.032%
366	17.573	17.567	17.581	VV	1994	14512	0.24%	0.005%
367	17.601	17.581	17.617	VV	3039	44856	0.75%	0.014%
368	17.637	17.617	17.645	VV	2522	32219	0.54%	0.010%
369	17.650	17.645	17.659	VV	2023	15580	0.26%	0.005%
370	17.672	17.659	17.679	VV	2256	22353	0.37%	0.007%
371	17.700	17.679	17.733	VV	2746	69014	1.16%	0.022%
372	17.758	17.733	17.782	VV	3280	65238	1.09%	0.021%
373	17.810	17.782	17.839	VV	8624	135564	2.27%	0.043%
374	17.858	17.839	17.900	VV	3190	49930	0.84%	0.016%
375	17.931	17.900	17.948	VV	1893	30293	0.51%	0.010%
376	17.961	17.948	17.976	VV	986	12403	0.21%	0.004%
377	18.007	17.976	18.041	VV	2433	44265	0.74%	0.014%
378	18.068	18.041	18.098	VV	1642	28302	0.47%	0.009%
379	18.114	18.098	18.122	VV	694	5907	0.10%	0.002%
380	18.146	18.122	18.164	VV	845	10720	0.18%	0.003%
381	18.186	18.179	18.195	VV	451	2375	0.04%	0.001%

Sum of corrected areas: 313286368

Aromatic EPH 102324.M Tue Nov 12 03:30:01 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-1DL		SDG No.:	P4721	
Lab Sample ID:	P4721-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.7	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051139.D	10	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	148		4.75	12.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	516	E	3.00	8.34	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	345	E	3.75	12.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	55.9		10.0	16.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	53.1		22.5	25.0	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.59		40 - 140	92%	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:	P4721-04DL	Acq On:	11 Nov 2024 10:11
Client Sample ID:	EX-11-TPH-1DL	Operator:	YP\AJ
Data file:	FE051139.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	186150913	1340		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	521577	4.59		ug/ml
Aliphatic C9-C12	3.140	6.760	24834331	177.496	300	ug/ml
Aliphatic C12-C16	6.761	10.193	87107819	619.387	200	ug/ml
Aliphatic C16-C21	10.194	13.553	57034600	413.99	300	ug/ml
Aliphatic C21-C28	13.554	17.209	8971470	66.975	400	ug/ml
Aliphatic C28-C40	17.210	22.059	8202693	63.711	600	ug/ml
Aliphatic C9-C28	3.140	17.209	177948220	1280	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051139.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 10:11
Operator : YP\AJ
Sample : P4721-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	521577	4.594 ug/mlm
Spiked Amount 50.000		Recovery =	9.19%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051139.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 10:11
Operator : YP\AJ
Sample : P4721-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

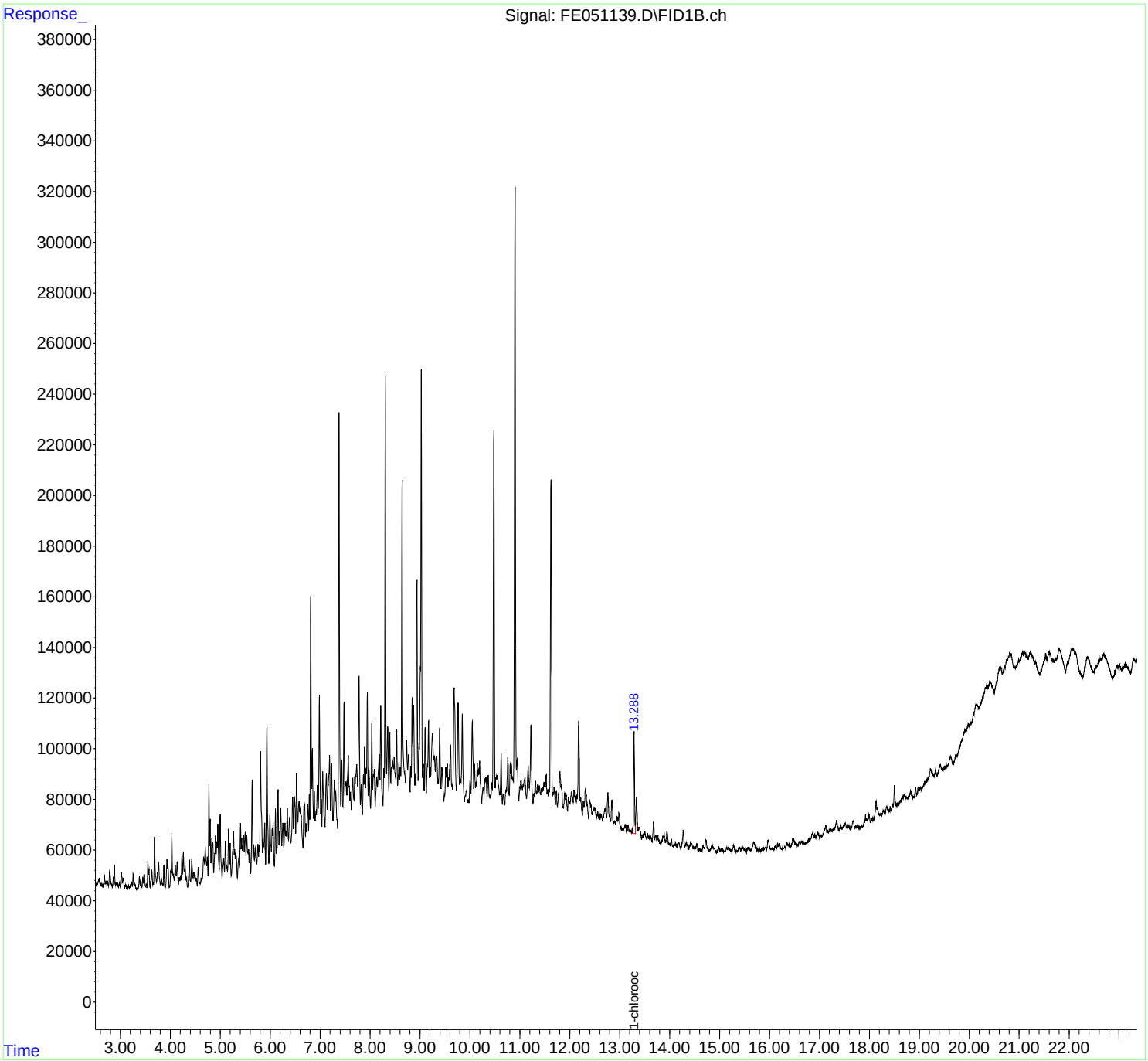
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL

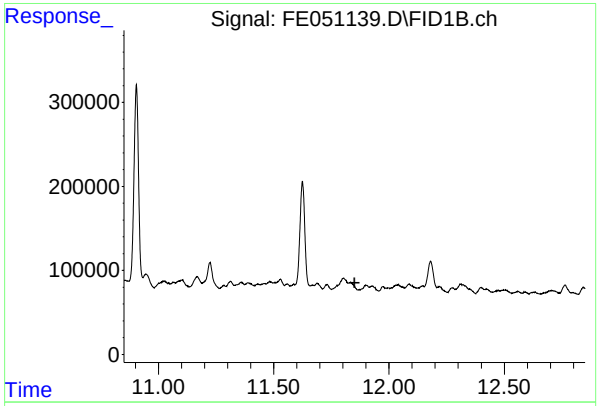
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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





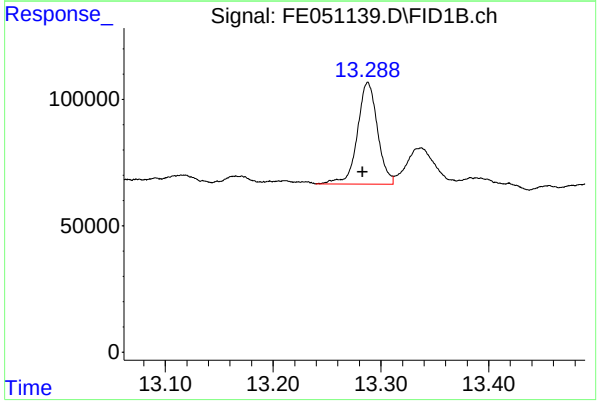
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: 0.005 min
Response: 521577
Conc: 4.59 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051139.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 10:11
Sample : P4721-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.519	3.505	3.531	PH	1332	12304	0.28%	0.007%
2	3.551	3.531	3.594	PV	10283	182313	4.14%	0.097%
3	3.630	3.594	3.665	VV	6898	126100	2.86%	0.067%
4	3.684	3.665	3.724	VV	19964	281831	6.39%	0.151%
5	3.766	3.724	3.801	VV	10159	241437	5.48%	0.129%
6	3.821	3.801	3.855	VV	3523	72019	1.63%	0.038%
7	3.870	3.855	3.896	VV	9110	91685	2.08%	0.049%
8	3.933	3.896	3.946	PV	11226	158358	3.59%	0.085%
9	3.952	3.946	3.981	VV	8686	102139	2.32%	0.055%
10	4.030	3.981	4.079	VV	21491	390643	8.86%	0.209%
11	4.099	4.079	4.119	VV	8882	145880	3.31%	0.078%
12	4.138	4.119	4.161	VV	10260	155967	3.54%	0.083%
13	4.180	4.161	4.190	VV	3876	48689	1.10%	0.026%
14	4.203	4.190	4.213	VV	4229	48989	1.11%	0.026%
15	4.232	4.213	4.245	VV	12263	141259	3.20%	0.075%
16	4.261	4.245	4.278	VV	13926	186130	4.22%	0.099%
17	4.296	4.278	4.346	VV	7619	175533	3.98%	0.094%
18	4.382	4.346	4.406	PV	10599	158730	3.60%	0.085%
19	4.430	4.406	4.455	VV	9973	178422	4.05%	0.095%
20	4.471	4.455	4.512	VV	5530	136701	3.10%	0.073%
21	4.521	4.512	4.538	VV	3281	33647	0.76%	0.018%
22	4.560	4.538	4.600	VV	7544	116581	2.64%	0.062%
23	4.619	4.600	4.631	VV	3122	41873	0.95%	0.022%
24	4.668	4.631	4.684	VV	11434	227572	5.16%	0.122%
25	4.700	4.684	4.727	VV	15371	288813	6.55%	0.154%
26	4.740	4.727	4.755	VV	11424	141688	3.21%	0.076%
27	4.774	4.755	4.787	VV	39850	430081	9.76%	0.230%
28	4.797	4.787	4.815	VV	26216	299763	6.80%	0.160%
29	4.833	4.815	4.870	VV	18616	450203	10.21%	0.241%
30	4.907	4.870	4.919	VV	19558	372725	8.45%	0.199%
31	4.952	4.919	4.978	VV	24076	544874	12.36%	0.291%
32	4.999	4.978	5.037	VV	27767	445196	10.10%	0.238%
33	5.068	5.037	5.085	VV	10483	207798	4.71%	0.111%
34	5.104	5.085	5.145	VV	17034	334038	7.58%	0.179%
35	5.167	5.145	5.184	VV	21909	304012	6.90%	0.162%
36	5.198	5.184	5.221	VV	16202	213384	4.84%	0.114%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

37	5.266	5.221	5.301	VV	20847	585482	13.28%	0.313%
38	5.311	5.301	5.343	VV	12220	226358	5	
39	5.372	5.343	5.385	VV	10232	188095	4	
40	5.407	5.385	5.420	VV	23871	338223	7	
41	5.430	5.420	5.442	VV	17976	202538	4	
42	5.468	5.442	5.481	VV	19153	370738	8	
43	5.500	5.481	5.516	VV	20284	342956	7.78%	0.183%
44	5.531	5.516	5.555	VV	18705	342297	7.76%	0.183%
45	5.565	5.555	5.579	VV	13030	168051	3.81%	0.090%
46	5.592	5.579	5.611	VV	13338	174805	3.96%	0.093%
47	5.639	5.611	5.658	VV	40645	557817	12.65%	0.298%
48	5.671	5.658	5.687	VV	15077	204074	4.63%	0.109%
49	5.702	5.687	5.732	VV	13865	284939	6.46%	0.152%
50	5.754	5.732	5.767	VV	15164	246078	5.58%	0.132%
51	5.779	5.767	5.787	VV	14595	147444	3.34%	0.079%
52	5.807	5.787	5.845	VV	51418	1005421	22.81%	0.537%
53	5.857	5.845	5.874	VV	17373	256881	5.83%	0.137%
54	5.891	5.874	5.908	VV	23427	332391	7.54%	0.178%
55	5.934	5.908	5.974	VV	61740	1113918	25.27%	0.595%
56	5.995	5.974	6.024	VV	26922	501023	11.36%	0.268%
57	6.059	6.024	6.083	VV	22877	573628	13.01%	0.307%
58	6.107	6.083	6.124	VV	28646	399733	9.07%	0.214%
59	6.158	6.124	6.178	VV	36233	664740	15.08%	0.355%
60	6.211	6.178	6.233	VV	28646	693957	15.74%	0.371%
61	6.255	6.233	6.274	VV	22895	448520	10.17%	0.240%
62	6.297	6.274	6.326	VV	22849	593013	13.45%	0.317%
63	6.343	6.326	6.367	VV	28617	529566	12.01%	0.283%
64	6.389	6.367	6.411	VV	24879	531148	12.05%	0.284%
65	6.451	6.411	6.468	VV	32884	779159	17.67%	0.416%
66	6.484	6.468	6.511	VV	32854	697012	15.81%	0.373%
67	6.530	6.511	6.555	VV	42013	793498	18.00%	0.424%
68	6.579	6.555	6.595	VV	31066	670362	15.21%	0.358%
69	6.607	6.595	6.656	VV	28101	821315	18.63%	0.439%
70	6.691	6.656	6.708	VV	29613	720770	16.35%	0.385%
71	6.720	6.708	6.730	VV	22023	269515	6.11%	0.144%
72	6.754	6.730	6.769	VV	29567	571489	12.96%	0.305%
73	6.784	6.769	6.793	VV	33479	393776	8.93%	0.210%
74	6.812	6.793	6.833	VV	111428	1540233	34.94%	0.823%
75	6.845	6.833	6.871	VV	51511	841890	19.10%	0.450%
76	6.885	6.871	6.901	VV	34587	512898	11.63%	0.274%
77	6.945	6.901	6.962	VV	36915	1053714	23.90%	0.563%
78	6.985	6.962	7.035	VV	72180	1728125	39.20%	0.924%
79	7.053	7.035	7.098	VV	42135	1108767	25.15%	0.593%
80	7.126	7.098	7.145	VV	41444	914296	20.74%	0.489%
81	7.190	7.145	7.210	VV	48443	1454055	32.98%	0.777%
82	7.230	7.210	7.258	VV	45238	972435	22.06%	0.520%
83	7.287	7.258	7.302	VV	38655	818895	18.57%	0.438%
84	7.313	7.302	7.352	VV	33964	822596	18.66%	0.440%
85	7.380	7.352	7.415	VV	182616	2757313	62.54%	1.474%
86	7.434	7.415	7.455	VV	46238	884764	20.07%	0.473%
87	7.479	7.455	7.498	VV	69135	1143045	25.93%	0.611%
88	7.510	7.498	7.536	VV	37176	826376	18.74%	0.442%
89	7.565	7.536	7.599	VV	47853	1437684	32.61%	0.768%

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90	7.609	7.599	7.628	VV	33223	539411	12.24%	0.288%
91	7.655	7.628	7.677	VV	38867	980753	22	
92	7.695	7.677	7.704	VV	39378	561324	12	
93	7.733	7.704	7.752	VV	44222	1174256	26	
94	7.780	7.752	7.808	VV	78936	1688788	38	
95	7.823	7.808	7.846	VV	35857	692934	15	
96	7.869	7.846	7.877	VV	40096	614440	13.94%	0.328%
97	7.892	7.877	7.908	VV	50808	783654	17.77%	0.419%
98	7.946	7.908	7.963	VV	72289	1555873	35.29%	0.832%
99	7.977	7.963	8.011	VV	42334	1037873	23.54%	0.555%
100	8.036	8.011	8.054	VV	59796	1071910	24.31%	0.573%
101	8.085	8.054	8.105	VV	41906	1131490	25.66%	0.605%
102	8.135	8.105	8.150	VV	38598	927550	21.04%	0.496%
103	8.184	8.150	8.198	VV	47558	1208031	27.40%	0.646%
104	8.216	8.198	8.258	VV	66742	1557996	35.34%	0.833%
105	8.306	8.258	8.332	VV	197062	3222578	73.10%	1.722%
106	8.355	8.332	8.378	VV	58246	1292350	29.31%	0.691%
107	8.396	8.378	8.416	VV	55833	1010110	22.91%	0.540%
108	8.450	8.416	8.472	VV	44290	1394513	31.63%	0.745%
109	8.485	8.472	8.514	VV	46083	1071082	24.29%	0.572%
110	8.534	8.514	8.554	VV	56660	1077817	24.45%	0.576%
111	8.580	8.554	8.594	VV	44081	947346	21.49%	0.506%
112	8.607	8.594	8.617	VV	42061	535666	12.15%	0.286%
113	8.643	8.617	8.712	VV	154560	3585492	81.33%	1.916%
114	8.733	8.712	8.755	VV	52354	1146570	26.01%	0.613%
115	8.774	8.755	8.802	VV	46763	1162309	26.36%	0.621%
116	8.817	8.802	8.826	VV	42161	559393	12.69%	0.299%
117	8.844	8.826	8.856	VV	68437	977532	22.17%	0.522%
118	8.872	8.856	8.898	VV	66007	1312215	29.76%	0.701%
119	8.940	8.898	8.965	VV	115433	2307982	52.35%	1.234%
120	9.027	8.965	9.053	VV	198213	4290163	97.31%	2.293%
121	9.067	9.053	9.084	VV	42548	734834	16.67%	0.393%
122	9.104	9.084	9.127	VV	56744	1101470	24.98%	0.589%
123	9.172	9.127	9.191	VV	59670	1681047	38.13%	0.898%
124	9.205	9.191	9.217	VV	41294	603496	13.69%	0.323%
125	9.249	9.217	9.275	VV	54250	1657216	37.59%	0.886%
126	9.284	9.275	9.307	VV	45187	851060	19.30%	0.455%
127	9.337	9.307	9.363	VV	45469	1398789	31.73%	0.748%
128	9.396	9.363	9.421	VV	56677	1472760	33.41%	0.787%
129	9.440	9.421	9.479	VV	40574	1202689	27.28%	0.643%
130	9.518	9.479	9.531	VV	40822	1047877	23.77%	0.560%
131	9.547	9.531	9.564	VV	41874	761939	17.28%	0.407%
132	9.576	9.564	9.581	VV	36608	363769	8.25%	0.194%
133	9.614	9.581	9.654	VV	49557	1714339	38.88%	0.916%
134	9.685	9.654	9.731	VV	71709	2297667	52.12%	1.228%
135	9.765	9.731	9.794	VV	66113	1729181	39.22%	0.924%
136	9.805	9.794	9.818	VV	36341	510405	11.58%	0.273%
137	9.848	9.818	9.892	VV	61534	1780840	40.39%	0.952%
138	9.928	9.892	9.982	VV	31061	1523874	34.56%	0.814%
139	10.004	9.982	10.021	VV	35019	734633	16.66%	0.393%
140	10.048	10.021	10.079	VV	58026	1497305	33.96%	0.800%
141	10.094	10.079	10.111	VV	41271	716269	16.25%	0.383%

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142	10.149	10.111	10.162	VV	41510	1096097	24.86%	0.586%
143	10.195	10.162	10.237	VV	42384	1586326	35	
144	10.265	10.237	10.285	VV	31919	851970	19	
145	10.306	10.285	10.314	VV	35226	585785	13	
146	10.323	10.314	10.346	VV	35730	636397	14	
147	10.367	10.346	10.415	VV	36534	1275856	28	
148	10.440	10.415	10.450	VV	33298	639801	14.51%	0.342%
149	10.481	10.450	10.509	VV	172870	2981171	67.62%	1.593%
150	10.541	10.509	10.599	VV	36072	1811284	41.08%	0.968%
151	10.627	10.599	10.652	VV	45203	1068219	24.23%	0.571%
152	10.669	10.652	10.695	VV	28824	702111	15.93%	0.375%
153	10.726	10.695	10.733	VV	30327	646016	14.65%	0.345%
154	10.761	10.733	10.788	VV	43144	1129539	25.62%	0.604%
155	10.808	10.788	10.819	VV	40363	658679	14.94%	0.352%
156	10.830	10.819	10.871	VV	40285	1131871	25.67%	0.605%
157	10.905	10.871	10.934	VV	267509	4408743	100.00%	2.356%
158	10.946	10.934	10.981	VV	41980	1010642	22.92%	0.540%
159	11.025	10.981	11.053	VV	33539	1321618	29.98%	0.706%
160	11.102	11.053	11.135	VV	34473	1547087	35.09%	0.827%
161	11.168	11.135	11.190	VV	38808	1098676	24.92%	0.587%
162	11.224	11.190	11.265	VV	55605	1654209	37.52%	0.884%
163	11.312	11.265	11.330	VV	33011	1123388	25.48%	0.600%
164	11.359	11.330	11.374	VV	31842	789248	17.90%	0.422%
165	11.389	11.374	11.416	VV	31101	746573	16.93%	0.399%
166	11.459	11.416	11.467	VV	30163	883369	20.04%	0.472%
167	11.484	11.467	11.511	VV	32325	828840	18.80%	0.443%
168	11.529	11.511	11.548	VV	35179	697900	15.83%	0.373%
169	11.558	11.548	11.573	VV	29472	430141	9.76%	0.230%
170	11.625	11.573	11.659	VV	151563	3196369	72.50%	1.708%
171	11.668	11.659	11.675	VV	28049	263662	5.98%	0.141%
172	11.688	11.675	11.712	VV	30388	625792	14.19%	0.334%
173	11.731	11.712	11.752	VV	28643	605467	13.73%	0.324%
174	11.803	11.752	11.825	VV	36098	1299042	29.47%	0.694%
175	11.833	11.825	11.866	VV	31161	677133	15.36%	0.362%
176	11.901	11.866	11.915	VV	27281	733408	16.64%	0.392%
177	11.927	11.915	11.955	VV	26520	582897	13.22%	0.312%
178	11.974	11.955	12.004	VV	25858	699859	15.87%	0.374%
179	12.039	12.004	12.067	VV	27895	973064	22.07%	0.520%
180	12.087	12.067	12.121	VV	28511	844896	19.16%	0.452%
181	12.180	12.121	12.209	VV	55880	1783930	40.46%	0.953%
182	12.218	12.209	12.253	VV	25714	584685	13.26%	0.313%
183	12.274	12.253	12.288	VV	23825	468021	10.62%	0.250%
184	12.311	12.288	12.375	VV	28109	1239044	28.10%	0.662%
185	12.399	12.375	12.416	VV	24158	527223	11.96%	0.282%
186	12.423	12.416	12.449	VV	22314	416278	9.44%	0.222%
187	12.503	12.449	12.534	VV	21174	1001964	22.73%	0.536%
188	12.559	12.534	12.577	VV	19360	471523	10.70%	0.252%
189	12.590	12.577	12.607	VV	18672	319218	7.24%	0.171%
190	12.630	12.607	12.655	VV	18314	507860	11.52%	0.271%
191	12.704	12.655	12.738	VV	20480	911776	20.68%	0.487%
192	12.763	12.738	12.821	VV	26889	987277	22.39%	0.528%
193	12.843	12.821	12.872	VV	23425	582415	13.21%	0.311%
194	12.881	12.872	12.921	VV	15108	434791	9.86%	0.232%

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195	12.950	12.921	12.967	VV	16660	443801	10.07%	0.237%
196	12.984	12.967	13.051	VV	18194	718903	16	
197	13.116	13.051	13.143	VV	13746	680577	15	
198	13.166	13.143	13.190	VV	13217	335564	7	
199	13.210	13.190	13.221	VV	11415	209413	4	
200	13.228	13.221	13.242	VV	10895	131171	2	
201	13.288	13.242	13.313	VV	50056	947964	21.50%	0.507%
202	13.336	13.313	13.371	VV	24274	609505	13.82%	0.326%
203	13.387	13.371	13.438	VV	12261	420853	9.55%	0.225%
204	13.455	13.438	13.466	VV	9036	143578	3.26%	0.077%
205	13.500	13.466	13.531	VV	10193	358182	8.12%	0.191%
206	13.558	13.531	13.579	VV	9662	249241	5.65%	0.133%
207	13.587	13.579	13.603	VV	8159	111553	2.53%	0.060%
208	13.618	13.603	13.648	VV	8442	206196	4.68%	0.110%
209	13.678	13.648	13.702	VV	13848	328803	7.46%	0.176%
210	13.721	13.702	13.748	VV	8950	215492	4.89%	0.115%
211	13.766	13.748	13.808	VV	8506	248143	5.63%	0.133%
212	13.863	13.808	13.874	VV	8079	256114	5.81%	0.137%
213	13.890	13.874	13.915	VV	8575	183977	4.17%	0.098%
214	13.948	13.915	14.012	VV	9893	380326	8.63%	0.203%
215	14.035	14.012	14.068	VV	6820	174348	3.95%	0.093%
216	14.089	14.068	14.103	VV	4686	90800	2.06%	0.049%
217	14.116	14.103	14.144	VV	5265	110300	2.50%	0.059%
218	14.177	14.146	14.222	vv	5494	200401	4.55%	0.107%
219	14.272	14.223	14.299	vv	10175	273434	6.20%	0.146%
220	14.339	14.300	14.374	vv	5455	184976	4.20%	0.099%
221	14.417	14.376	14.472	vv	5286	235957	5.35%	0.126%
222	14.492	14.475	14.523	vv	3627	95378	2.16%	0.051%
223	14.545	14.525	14.576	vv	5026	106979	2.43%	0.057%
224	14.595	14.578	14.625	vv	3158	69676	1.58%	0.037%
225	14.665	14.626	14.691	vv	3987	113050	2.56%	0.060%
226	14.726	14.694	14.788	vv	6420	216712	4.92%	0.116%
227	14.848	14.792	14.936	vv	4822	246376	5.59%	0.132%
228	14.978	14.937	15.000	vv	3591	90839	2.06%	0.049%
229	15.053	15.003	15.068	vv	3058	94678	2.15%	0.051%
230	15.145	15.070	15.153	vv	3435	109798	2.49%	0.059%
231	15.192	15.155	15.236	vv	3170	127640	2.90%	0.068%
232	15.279	15.239	15.314	vv	4164	121374	2.75%	0.065%
233	15.341	15.317	15.355	vv	2205	42943	0.97%	0.023%
234	15.397	15.357	15.429	vv	3427	115059	2.61%	0.061%
235	15.473	15.431	15.523	vv	3300	136283	3.09%	0.073%
236	15.580	15.525	15.630	vv	3338	157336	3.57%	0.084%
237	15.686	15.633	15.729	vv	5448	220840	5.01%	0.118%
238	15.796	15.732	15.815	vv	3079	119718	2.72%	0.064%
239	15.918	15.816	15.934	vv	3283	181218	4.11%	0.097%
240	15.967	15.935	16.041	vv	5968	234564	5.32%	0.125%
241	16.118	16.042	16.143	vv	3373	166045	3.77%	0.089%
242	16.190	16.146	16.242	vv	4821	208664	4.73%	0.112%
243	16.303	16.244	16.308	vv	3155	97458	2.21%	0.052%
244	16.352	16.311	16.377	vv	4389	139935	3.17%	0.075%
245	16.403	16.380	16.428	vv	4152	103943	2.36%	0.056%
246	16.474	16.429	16.501	vv	6236	210341	4.77%	0.112%

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247	16.524	16.504	16.554	vv	4703	119640	2.71%	0.064%
248	16.594	16.557	16.615	vv	4735	132212	3	
249	16.639	16.618	16.703	vv	4796	205596	4	
250	16.853	16.704	16.886	vv	6965	544116	12	
251	16.905	16.889	16.926	vv	6138	124908	2	
252	16.968	16.928	16.995	vv	6368	222121	5	
253	17.037	16.997	17.049	vv	4851	141043	3.20%	0.075%
254	17.128	17.051	17.143	vv	8002	332903	7.55%	0.178%
255	17.165	17.145	17.173	vv	5700	88067	2.00%	0.047%
256	17.197	17.175	17.209	vv	4736	83956	1.90%	0.045%
257	17.221	17.209	17.258	vv	3590	88048	2.00%	0.047%
258	17.346	17.258	17.391	VV	5803	265330	6.02%	0.142%
259	17.421	17.391	17.450	VV	2868	82951	1.88%	0.044%
260	17.491	17.450	17.505	VV	3250	84908	1.93%	0.045%
261	17.518	17.505	17.545	VV	3778	69700	1.58%	0.037%
262	17.556	17.545	17.572	VV	2784	39571	0.90%	0.021%
263	17.588	17.572	17.611	VV	2510	43582	0.99%	0.023%
264	17.625	17.611	17.640	VV	1916	26033	0.59%	0.014%
265	17.672	17.640	17.708	VV	3825	95520	2.17%	0.051%
266	17.723	17.708	17.739	VV	1249	18413	0.42%	0.010%
267	17.758	17.739	17.780	VV	1187	22137	0.50%	0.012%
268	17.794	17.780	17.805	VV	591	5945	0.13%	0.003%
269	17.844	17.805	17.861	PV	935	15083	0.34%	0.008%
270	17.922	17.861	17.958	PV	2985	96709	2.19%	0.052%
271	17.993	17.958	18.016	VV	3602	76525	1.74%	0.041%
272	18.071	18.016	18.081	VV	949	31496	0.71%	0.017%
273	18.134	18.081	18.153	VV	7310	145056	3.29%	0.078%
274	18.160	18.153	18.206	VV	4173	76287	1.73%	0.041%
275	18.222	18.206	18.251	VV	1255	23774	0.54%	0.013%
276	18.284	18.251	18.301	VV	1725	32589	0.74%	0.017%
277	18.342	18.301	18.351	VV	2376	42331	0.96%	0.023%
278	18.367	18.351	18.395	VV	2267	37134	0.84%	0.020%
279	18.416	18.395	18.438	VV	1772	20545	0.47%	0.011%
280	18.502	18.438	18.528	VV	9133	159095	3.61%	0.085%
281	18.537	18.528	18.559	VV	1350	19643	0.45%	0.010%
282	18.579	18.559	18.595	VV	1155	18905	0.43%	0.010%
283	18.702	18.595	18.774	VV	3317	226211	5.13%	0.121%
284	18.825	18.774	18.863	VV	3629	101195	2.30%	0.054%
285	18.879	18.863	18.894	VV	617	8475	0.19%	0.005%
286	18.924	18.894	18.950	PV	3380	49080	1.11%	0.026%
287	18.972	18.950	18.988	VV	2506	32905	0.75%	0.018%
288	19.020	18.988	19.039	VV	2045	48893	1.11%	0.026%
289	19.225	19.039	19.241	VV	6693	396519	8.99%	0.212%
290	19.253	19.241	19.301	VV	5680	147842	3.35%	0.079%
291	19.324	19.301	19.352	VV	4634	110453	2.51%	0.059%
292	19.414	19.352	19.452	VV	5607	238924	5.42%	0.128%
293	19.534	19.452	19.550	VV	3482	192163	4.36%	0.103%
294	19.632	19.550	19.671	VV	5859	301127	6.83%	0.161%
295	19.733	19.671	19.750	VV	4941	166987	3.79%	0.089%
296	19.979	19.951	19.992	VV	13641	319898	7.26%	0.171%
297	20.026	19.992	20.039	VV	13860	374204	8.49%	0.200%
298	20.145	20.039	20.190	VV	19081	1534473	34.81%	0.820%
299	20.361	20.190	20.377	VV	23706	2316034	52.53%	1.238%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL

rteres
Sum of corrected areas: 187098882

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Aliphatic EPH 110724.M Tue Nov 12 05:02:12 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-1DL2		SDG No.:	P4721	
Lab Sample ID:	P4721-04DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.7	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048695.D	20	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	48.1		7.51	16.7	mg/kg
Aromatic C12-C16	Aromatic C12-C16	229		8.51	25.0	mg/kg
Aromatic C16-C21	Aromatic C16-C21	438		24.0	41.7	mg/kg
Aromatic C21-C36	Aromatic C21-C36	61.9	J	50.0	66.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	4.34		40 - 140	174%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.96		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.44		40 - 140	98%	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:	P4721-04DL2	Acq On:	11 Nov 2024 12:52
Client Sample ID:	EX-11-TPH-1DL2	Operator:	YP/AJ
Data file:	FD048695.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.090	5.808	5076588	28.811	200	ug/ml
Aromatic C12-C16	5.809	8.414	24422951	137.77	300	ug/ml
Aromatic C16-C21	8.415	12.677	43091924	263.024	500	ug/ml
Aromatic C21-C36	12.678	18.084	5664176	37.09	800	ug/ml
Aromatic EPH	4.090	18.084	78255639	466.695		ug/ml
ortho-Terphenyl (SURR)	11.251	11.251	416306	2.44		ug/ml
2-Bromonaphthalene (SURR)	7.369	7.369	659403	4.34		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	290851	2.96		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048695.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:52
Operator : YP/AJ
Sample : P4721-04DL2 20X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:45:48 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...	7.369	659403	4.345 ug/mlm
Spiked Amount 50.000		Recovery =	8.69%
6) S 2-Flurobiphenyl (SURR)	8.222	290851	2.962 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	5.92%
11) S ortho-Terphenyl (SURR)	11.251	416306	2.444 ug/mlm
Spiked Amount 50.000		Recovery =	4.89%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048695.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:52
Operator : YP/AJ
Sample : P4721-04DL2 20X
Misc :
ALS Vial : 61 Sample Multiplier: 1

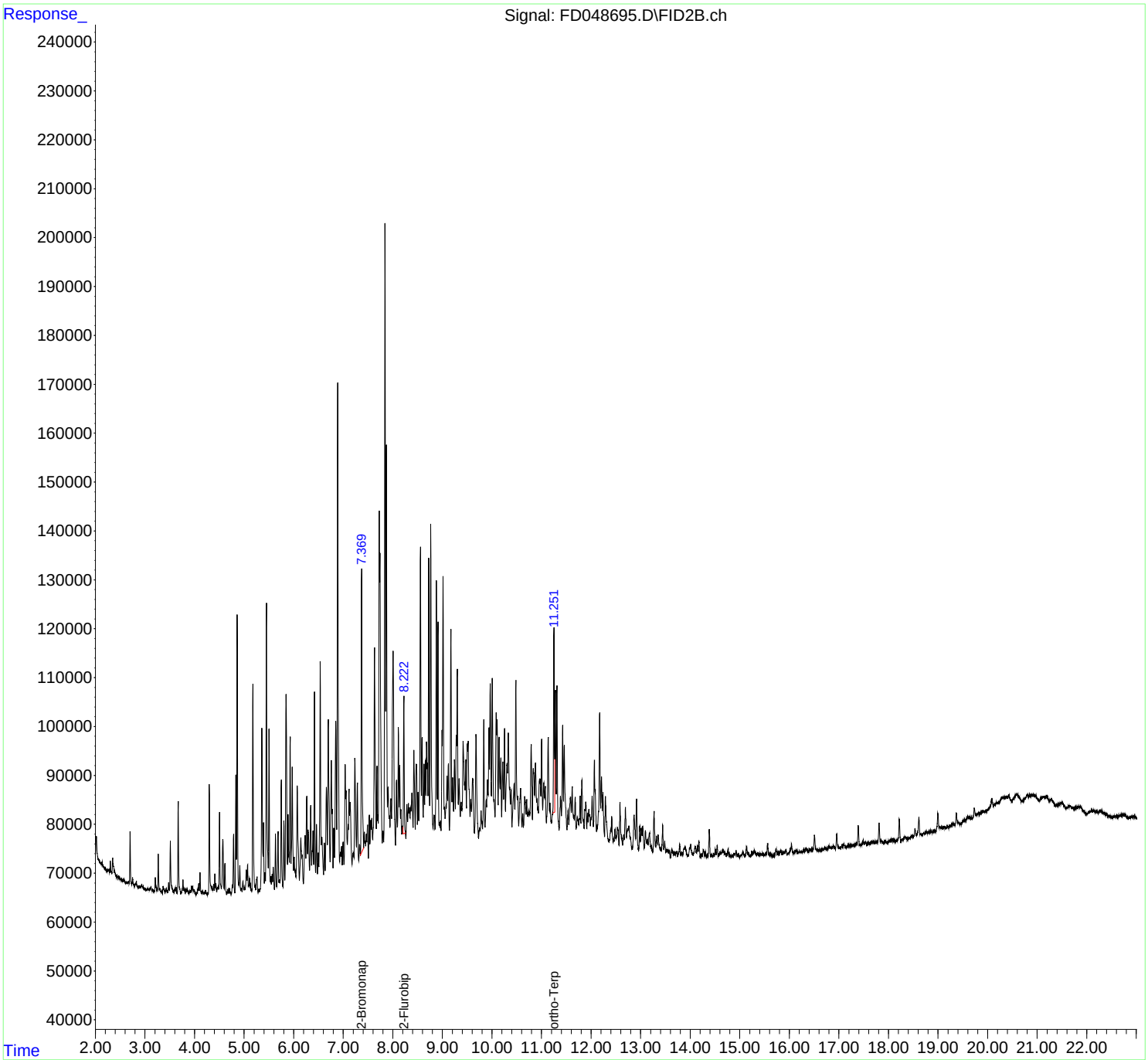
Integration File: autoint1.e
Quant Time: Nov 11 20:45:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

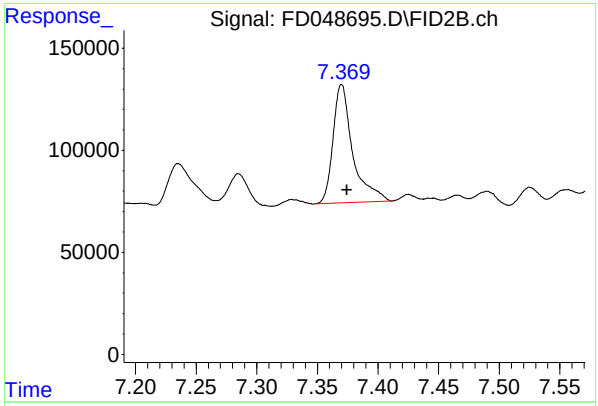
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024





#4 2-Bromonaphthalene (SURR)

R.T.: 7.369 min
Delta R.T.: -0.005 mi
Response: 659403
Conc: 4.34 ug/m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

Manual Integrations
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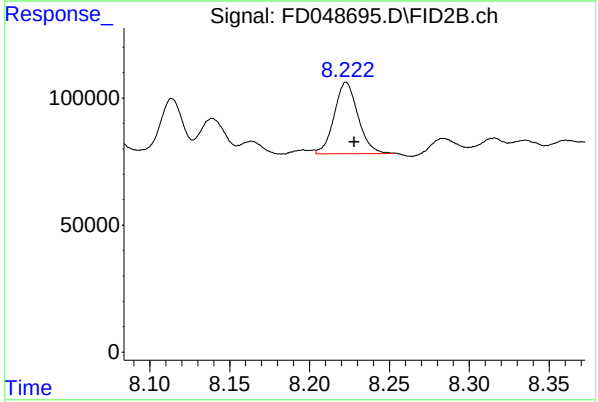
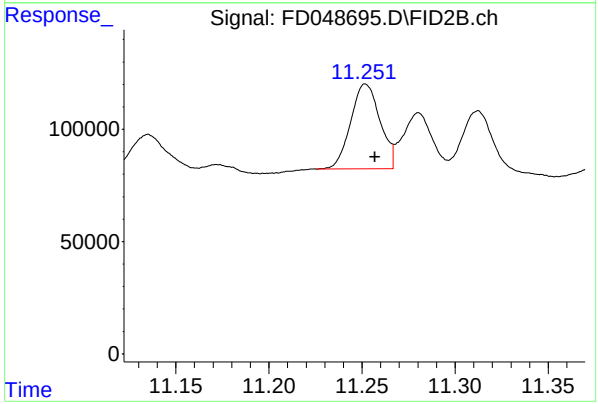
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 290851
Conc: 2.96 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.251 min
Delta R.T.: -0.006 min
Response: 416306
Conc: 2.44 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11112
Data File : FD048695.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:52
Sample : P4721-04DL2 20X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.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	4.066	4.042	4.071	BV	1026	10301	0.66%	0.013%
2	4.083	4.071	4.095	VV	2219	21488	1.39%	0.027%
3	4.110	4.095	4.133	VV	4446	46210	2.98%	0.059%
4	4.141	4.133	4.149	VV	506	3810	0.25%	0.005%
5	4.152	4.149	4.157	VV	540	2250	0.15%	0.003%
6	4.165	4.157	4.181	VV	591	6033	0.39%	0.008%
7	4.191	4.181	4.205	VV	461	4893	0.32%	0.006%
8	4.221	4.205	4.246	VV	920	10940	0.71%	0.014%
9	4.297	4.258	4.337	PV	22623	234658	15.13%	0.300%
10	4.344	4.337	4.370	VV	1685	24829	1.60%	0.032%
11	4.385	4.370	4.397	VV	2082	24589	1.59%	0.031%
12	4.409	4.397	4.422	VV	4145	38040	2.45%	0.049%
13	4.430	4.422	4.448	VV	2330	23394	1.51%	0.030%
14	4.463	4.448	4.470	VV	1456	15758	1.02%	0.020%
15	4.481	4.470	4.487	VV	1499	13648	0.88%	0.017%
16	4.503	4.487	4.539	VV	16827	178378	11.50%	0.228%
17	4.571	4.539	4.597	VV	11233	174006	11.22%	0.222%
18	4.613	4.597	4.645	VV	6282	72240	4.66%	0.092%
19	4.674	4.645	4.690	PV	728	11627	0.75%	0.015%
20	4.703	4.690	4.722	VV	1217	12799	0.83%	0.016%
21	4.730	4.722	4.745	VV	372	3173	0.20%	0.004%
22	4.762	4.745	4.770	VV	1786	15684	1.01%	0.020%
23	4.786	4.770	4.813	VV	12177	117976	7.61%	0.151%
24	4.833	4.813	4.845	VV	24281	212492	13.70%	0.271%
25	4.860	4.845	4.898	VV	56895	566985	36.56%	0.724%
26	4.913	4.898	4.932	VV	5729	59296	3.82%	0.076%
27	4.942	4.932	4.959	VV	1012	11852	0.76%	0.015%
28	4.975	4.959	4.992	VV	2428	29676	1.91%	0.038%
29	5.002	4.992	5.012	VV	1088	10586	0.68%	0.014%
30	5.044	5.012	5.057	VV	4710	65328	4.21%	0.083%
31	5.070	5.057	5.087	VV	5776	62622	4.04%	0.080%
32	5.110	5.087	5.121	VV	2985	39483	2.55%	0.050%
33	5.127	5.121	5.141	VV	1503	13185	0.85%	0.017%
34	5.150	5.141	5.156	VV	587	4867	0.31%	0.006%
35	5.176	5.156	5.214	VV	42655	457811	29.52%	0.585%
36	5.221	5.214	5.237	VV	1302	13188	0.85%	0.017%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
37	5.260	5.237	5.280	VV	3151	46775	3.02%	0.060%
38	5.297	5.280	5.313	VV	606	7030		
39	5.358	5.313	5.380	VV	33372	425646	27	
40	5.390	5.380	5.407	VV	14146	135547	8	
41	5.419	5.407	5.431	VV	3856	40780	2	
42	5.450	5.431	5.487	VV	59106	685235	44	
43	5.503	5.487	5.529	VV	32986	333499	21.51%	0.426%
44	5.542	5.529	5.553	VV	2998	33724	2.17%	0.043%
45	5.565	5.553	5.575	VV	3488	34508	2.23%	0.044%
46	5.588	5.575	5.614	VV	4908	59448	3.83%	0.076%
47	5.634	5.614	5.659	VV	11678	120593	7.78%	0.154%
48	5.684	5.659	5.703	VV	12098	141411	9.12%	0.181%
49	5.710	5.703	5.720	VV	2233	20186	1.30%	0.026%
50	5.750	5.720	5.784	VV	22573	266972	17.22%	0.341%
51	5.804	5.784	5.822	VV	14245	142928	9.22%	0.183%
52	5.846	5.822	5.874	VV	40076	622852	40.17%	0.796%
53	5.887	5.874	5.913	VV	15378	215619	13.91%	0.275%
54	5.929	5.913	5.946	VV	31221	324363	20.92%	0.414%
55	5.971	5.946	5.998	VV	24894	366805	23.65%	0.468%
56	6.011	5.998	6.024	VV	6691	77519	5.00%	0.099%
57	6.029	6.024	6.043	VV	3863	40627	2.62%	0.052%
58	6.072	6.043	6.115	VV	21161	392636	25.32%	0.501%
59	6.144	6.115	6.164	VV	10461	191177	12.33%	0.244%
60	6.170	6.164	6.198	VV	7025	84236	5.43%	0.108%
61	6.231	6.198	6.245	VV	10905	201220	12.98%	0.257%
62	6.263	6.245	6.279	VV	18968	261509	16.86%	0.334%
63	6.291	6.279	6.320	VV	11970	218484	14.09%	0.279%
64	6.343	6.320	6.361	VV	16962	243718	15.72%	0.311%
65	6.390	6.361	6.404	VV	11676	205277	13.24%	0.262%
66	6.420	6.404	6.442	VV	39921	401530	25.89%	0.513%
67	6.461	6.442	6.480	VV	13066	161829	10.44%	0.207%
68	6.497	6.480	6.508	VV	7195	85824	5.53%	0.110%
69	6.537	6.508	6.555	VV	46191	564231	36.39%	0.721%
70	6.570	6.555	6.603	VV	10247	214243	13.82%	0.274%
71	6.620	6.603	6.635	VV	9105	116544	7.52%	0.149%
72	6.661	6.635	6.681	VV	20395	351466	22.67%	0.449%
73	6.698	6.681	6.735	VV	34202	593290	38.26%	0.758%
74	6.760	6.735	6.794	VV	25900	516764	33.33%	0.660%
75	6.808	6.794	6.823	VV	12071	143231	9.24%	0.183%
76	6.850	6.823	6.868	VV	33838	545321	35.17%	0.696%
77	6.888	6.868	6.927	VV	102958	1339537	86.39%	1.711%
78	6.945	6.927	6.954	VV	7030	103081	6.65%	0.132%
79	6.966	6.954	6.980	VV	8051	104664	6.75%	0.134%
80	6.996	6.980	7.014	VV	9009	137241	8.85%	0.175%
81	7.039	7.014	7.050	VV	24805	318065	20.51%	0.406%
82	7.057	7.050	7.083	VV	19486	281088	18.13%	0.359%
83	7.098	7.083	7.104	VV	12595	133573	8.61%	0.171%
84	7.116	7.104	7.127	VV	19782	225886	14.57%	0.289%
85	7.140	7.127	7.178	VV	17156	344043	22.19%	0.439%
86	7.193	7.178	7.199	VV	6551	71666	4.62%	0.092%
87	7.205	7.199	7.216	VV	6596	64631	4.17%	0.083%
88	7.235	7.216	7.266	VV	25997	466019	30.05%	0.595%
89	7.285	7.266	7.313	VV	20964	325757	21.01%	0.416%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

rteres

Manual IntegrationsAPPROVED

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90	7.329	7.313	7.347	VV	8334	143442	9.25%	0.183%
91	7.370	7.347	7.412	VV	64700	925814	59	
92	7.425	7.412	7.437	VV	10773	138651	8	
93	7.444	7.437	7.453	VV	8891	81489	5	
94	7.465	7.453	7.475	VV	10338	123526	7	
95	7.490	7.475	7.508	VV	12234	189180	12	
96	7.525	7.508	7.540	VV	14210	194687	12.56%	0.249%
97	7.556	7.540	7.567	VV	13013	186153	12.00%	0.238%
98	7.577	7.567	7.593	VV	13456	180868	11.66%	0.231%
99	7.631	7.593	7.667	VV	48293	980634	63.24%	1.252%
100	7.681	7.667	7.694	VV	24105	291901	18.82%	0.373%
101	7.700	7.694	7.707	VV	14022	104516	6.74%	0.133%
102	7.726	7.707	7.735	VV	76174	787345	50.78%	1.006%
103	7.741	7.735	7.788	VV	67744	1033251	66.63%	1.320%
104	7.802	7.788	7.816	VV	10722	161872	10.44%	0.207%
105	7.843	7.816	7.858	VV	135056	1550650	100.00%	1.981%
106	7.870	7.858	7.892	VV	89590	1025281	66.12%	1.310%
107	7.905	7.892	7.927	VV	19683	348193	22.45%	0.445%
108	7.934	7.927	7.944	VV	13573	127665	8.23%	0.163%
109	7.959	7.944	7.975	VV	17190	276877	17.86%	0.354%
110	8.007	7.975	8.054	VV	47414	1210225	78.05%	1.546%
111	8.074	8.054	8.093	VV	20981	336549	21.70%	0.430%
112	8.114	8.093	8.127	VV	31759	420886	27.14%	0.538%
113	8.139	8.127	8.155	VV	23900	316199	20.39%	0.404%
114	8.164	8.155	8.185	VV	14879	223992	14.45%	0.286%
115	8.223	8.185	8.264	VV	38010	768396	49.55%	0.981%
116	8.284	8.264	8.299	VV	15860	274940	17.73%	0.351%
117	8.316	8.299	8.325	VV	15914	222088	14.32%	0.284%
118	8.335	8.325	8.348	VV	15169	194702	12.56%	0.249%
119	8.361	8.348	8.372	VV	15074	206680	13.33%	0.264%
120	8.385	8.372	8.409	VV	18011	340733	21.97%	0.435%
121	8.426	8.409	8.453	VV	26815	490447	31.63%	0.626%
122	8.472	8.453	8.497	VV	23912	506423	32.66%	0.647%
123	8.510	8.497	8.524	VV	18180	237179	15.30%	0.303%
124	8.558	8.524	8.578	VV	68184	1074911	69.32%	1.373%
125	8.591	8.578	8.614	VV	29274	451027	29.09%	0.576%
126	8.629	8.614	8.642	VV	23779	311971	20.12%	0.398%
127	8.657	8.642	8.669	VV	24508	328612	21.19%	0.420%
128	8.682	8.669	8.693	VV	28292	356933	23.02%	0.456%
129	8.699	8.693	8.710	VV	24051	219463	14.15%	0.280%
130	8.726	8.710	8.743	VV	66016	749396	48.33%	0.957%
131	8.766	8.743	8.812	VV	72572	1196653	77.17%	1.528%
132	8.832	8.812	8.853	VV	13179	292919	18.89%	0.374%
133	8.880	8.853	8.897	VV	61187	817137	52.70%	1.044%
134	8.912	8.897	8.934	VV	52716	635699	41.00%	0.812%
135	8.938	8.934	8.950	VV	11728	112281	7.24%	0.143%
136	8.962	8.950	8.974	VV	12013	157331	10.15%	0.201%
137	8.994	8.974	9.000	VV	30520	326020	21.02%	0.416%
138	9.015	9.000	9.037	VV	61965	830070	53.53%	1.060%
139	9.042	9.037	9.055	VV	14724	151878	9.79%	0.194%
140	9.073	9.055	9.079	VV	15028	202684	13.07%	0.259%
141	9.094	9.079	9.106	VV	21107	283878	18.31%	0.363%

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

142	9.121	9.106	9.143	VV	23628	386153	24.90%	0.493%
143	9.173	9.143	9.193	VV	50928	799952	51	
144	9.207	9.193	9.226	VV	20640	347735	22	
145	9.245	9.226	9.263	VV	24207	422633	27	
146	9.282	9.263	9.288	VV	29149	351617	22	
147	9.301	9.288	9.322	VV	42702	590239	38	
148	9.339	9.322	9.362	VV	20310	404159	26.06%	0.516%
149	9.377	9.362	9.389	VV	15436	229560	14.80%	0.293%
150	9.420	9.389	9.447	VV	27885	713321	46.00%	0.911%
151	9.450	9.447	9.459	VV	19312	135385	8.73%	0.173%
152	9.472	9.459	9.486	VV	24161	322733	20.81%	0.412%
153	9.504	9.486	9.512	VV	27278	359320	23.17%	0.459%
154	9.520	9.512	9.559	VV	27827	571124	36.83%	0.729%
155	9.574	9.559	9.589	VV	15903	253898	16.37%	0.324%
156	9.609	9.589	9.645	VV	20123	537384	34.66%	0.686%
157	9.680	9.645	9.731	VV	29176	790013	50.95%	1.009%
158	9.751	9.731	9.765	VV	9930	191690	12.36%	0.245%
159	9.782	9.765	9.811	VV	13463	310224	20.01%	0.396%
160	9.837	9.811	9.861	VV	32053	526868	33.98%	0.673%
161	9.883	9.861	9.894	VV	15590	258189	16.65%	0.330%
162	9.910	9.894	9.923	VV	19706	311760	20.11%	0.398%
163	9.940	9.923	9.951	VV	30382	392479	25.31%	0.501%
164	9.966	9.951	9.988	VV	39215	641771	41.39%	0.820%
165	10.007	9.988	10.039	VV	40385	766670	49.44%	0.979%
166	10.045	10.039	10.064	VV	15604	215168	13.88%	0.275%
167	10.086	10.064	10.098	VV	33293	505301	32.59%	0.645%
168	10.106	10.098	10.125	VV	31839	408903	26.37%	0.522%
169	10.144	10.125	10.164	VV	28203	503247	32.45%	0.643%
170	10.180	10.164	10.196	VV	24006	365953	23.60%	0.467%
171	10.220	10.196	10.236	VV	23170	433075	27.93%	0.553%
172	10.255	10.236	10.273	VV	30069	469202	30.26%	0.599%
173	10.305	10.273	10.314	VV	22783	476893	30.75%	0.609%
174	10.331	10.314	10.374	VV	28984	759721	48.99%	0.970%
175	10.388	10.374	10.405	VV	17281	271135	17.49%	0.346%
176	10.447	10.405	10.464	VV	18480	515325	33.23%	0.658%
177	10.483	10.464	10.515	VV	39622	715098	46.12%	0.913%
178	10.521	10.515	10.541	VV	15906	210422	13.57%	0.269%
179	10.580	10.541	10.606	VV	17540	532303	34.33%	0.680%
180	10.622	10.606	10.635	VV	12160	195485	12.61%	0.250%
181	10.662	10.635	10.689	VV	15733	422896	27.27%	0.540%
182	10.702	10.689	10.726	VV	15138	290981	18.77%	0.372%
183	10.743	10.726	10.750	VV	12855	178870	11.54%	0.228%
184	10.761	10.750	10.768	VV	12487	127390	8.22%	0.163%
185	10.793	10.768	10.816	VV	26401	537281	34.65%	0.686%
186	10.833	10.816	10.862	VV	21353	499700	32.23%	0.638%
187	10.878	10.862	10.903	VV	22447	456313	29.43%	0.583%
188	10.912	10.903	10.924	VV	15047	179053	11.55%	0.229%
189	10.928	10.924	10.938	VV	13190	113285	7.31%	0.145%
190	10.961	10.938	10.969	VV	19083	307353	19.82%	0.393%
191	10.974	10.969	10.987	VV	19127	199116	12.84%	0.254%
192	11.003	10.987	11.025	VV	27256	443862	28.62%	0.567%
193	11.047	11.025	11.065	VV	18291	388752	25.07%	0.497%
194	11.076	11.065	11.098	VV	17459	289974	18.70%	0.370%

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Manual IntegrationsAPPROVED

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rteres

195	11.135	11.098	11.161	VV	27535	644102	41.54%	0.823%
196	11.172	11.161	11.195	VV	14067	249321	16	
197	11.252	11.195	11.268	VV	49897	923348	59	
198	11.280	11.268	11.296	VV	37089	474782	30	
199	11.312	11.296	11.355	VV	37857	668770	43	
200	11.383	11.355	11.403	VV	15327	353124	22	
201	11.427	11.403	11.444	VV	29843	486260	31.36%	0.621%
202	11.460	11.444	11.514	VV	25609	651338	42.00%	0.832%
203	11.535	11.514	11.551	VV	12385	230993	14.90%	0.295%
204	11.586	11.551	11.604	VV	14933	410188	26.45%	0.524%
205	11.620	11.604	11.645	VV	17084	333188	21.49%	0.426%
206	11.652	11.645	11.662	VV	11098	107316	6.92%	0.137%
207	11.679	11.662	11.697	VV	14781	250922	16.18%	0.320%
208	11.723	11.697	11.749	VV	10774	300366	19.37%	0.384%
209	11.780	11.749	11.795	VV	15124	320136	20.65%	0.409%
210	11.815	11.795	11.858	VV	18321	476721	30.74%	0.609%
211	11.874	11.858	11.882	VV	12265	153456	9.90%	0.196%
212	11.893	11.882	11.914	VV	13838	222999	14.38%	0.285%
213	11.928	11.914	11.942	VV	11407	174044	11.22%	0.222%
214	11.956	11.942	11.987	VV	12310	294570	19.00%	0.376%
215	12.023	11.987	12.047	VV	14804	398541	25.70%	0.509%
216	12.068	12.047	12.081	VV	22189	323978	20.89%	0.414%
217	12.085	12.081	12.109	VV	16192	202247	13.04%	0.258%
218	12.120	12.109	12.129	VV	8714	99117	6.39%	0.127%
219	12.174	12.129	12.195	VV	31805	661237	42.64%	0.845%
220	12.211	12.195	12.227	VV	18752	300792	19.40%	0.384%
221	12.240	12.227	12.271	VV	15491	299611	19.32%	0.383%
222	12.291	12.271	12.363	VV	14640	474159	30.58%	0.606%
223	12.394	12.363	12.403	VV	7793	155342	10.02%	0.198%
224	12.417	12.403	12.443	VV	10455	190725	12.30%	0.244%
225	12.454	12.443	12.464	VV	5802	67888	4.38%	0.087%
226	12.482	12.464	12.505	VV	7779	162806	10.50%	0.208%
227	12.531	12.505	12.538	VV	8035	136613	8.81%	0.174%
228	12.540	12.538	12.565	VV	7800	104314	6.73%	0.133%
229	12.584	12.565	12.636	VV	13191	318920	20.57%	0.407%
230	12.658	12.636	12.669	VV	6515	109844	7.08%	0.140%
231	12.695	12.669	12.713	VV	12085	231033	14.90%	0.295%
232	12.735	12.713	12.750	VV	7710	157712	10.17%	0.201%
233	12.763	12.750	12.835	VV	8262	293703	18.94%	0.375%
234	12.868	12.835	12.898	VV	10440	275454	17.76%	0.352%
235	12.919	12.898	12.959	VV	13542	269770	17.40%	0.345%
236	12.981	12.959	12.995	VV	8059	121939	7.86%	0.156%
237	13.012	12.995	13.030	VV	7633	139812	9.02%	0.179%
238	13.041	13.030	13.074	VV	7984	153821	9.92%	0.196%
239	13.096	13.074	13.124	VV	6966	161676	10.43%	0.206%
240	13.137	13.124	13.151	VV	5181	78525	5.06%	0.100%
241	13.178	13.151	13.202	VV	6451	158740	10.24%	0.203%
242	13.208	13.202	13.235	VV	3860	67959	4.38%	0.087%
243	13.244	13.235	13.249	VV	3053	23388	1.51%	0.030%
244	13.270	13.249	13.300	VV	10866	195561	12.61%	0.250%
245	13.319	13.300	13.332	VV	5767	92066	5.94%	0.118%
246	13.352	13.332	13.390	VV	6009	158431	10.22%	0.202%

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rteres

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247	13.404	13.390	13.417	VV	3374	49040	3.16%	0.063%
248	13.443	13.417	13.465	VV	7911	142546	9	
249	13.486	13.465	13.507	VV	4481	88653	5	
250	13.523	13.507	13.542	VV	2792	55997	3	
251	13.546	13.542	13.564	VV	2711	34525	2	
252	13.576	13.564	13.603	VV	2564	47351	3	
253	13.626	13.603	13.639	VV	2873	44551	2.87%	0.057%
254	13.646	13.639	13.670	VV	2553	41294	2.66%	0.053%
255	13.680	13.670	13.693	VV	2161	27467	1.77%	0.035%
256	13.714	13.693	13.725	VV	2227	38770	2.50%	0.050%
257	13.734	13.725	13.749	VV	2366	27353	1.76%	0.035%
258	13.786	13.749	13.807	VV	3819	85012	5.48%	0.109%
259	13.837	13.807	13.850	VV	1944	47040	3.03%	0.060%
260	13.890	13.850	13.895	VV	3162	69123	4.46%	0.088%
261	13.900	13.895	13.940	VV	3050	62708	4.04%	0.080%
262	13.945	13.940	13.963	VV	1589	19585	1.26%	0.025%
263	13.989	13.963	13.995	VV	2974	42894	2.77%	0.055%
264	14.012	13.995	14.054	VV	3565	87000	5.61%	0.111%
265	14.100	14.054	14.129	VV	3201	102732	6.63%	0.131%
266	14.144	14.129	14.160	VV	3264	48879	3.15%	0.062%
267	14.174	14.160	14.201	VV	4256	64835	4.18%	0.083%
268	14.233	14.201	14.247	VV	1547	32599	2.10%	0.042%
269	14.263	14.247	14.289	VV	2324	43781	2.82%	0.056%
270	14.306	14.289	14.329	VV	1967	34469	2.22%	0.044%
271	14.339	14.329	14.351	VV	1143	12999	0.84%	0.017%
272	14.384	14.351	14.418	VV	6411	106041	6.84%	0.135%
273	14.435	14.418	14.454	VV	1219	20905	1.35%	0.027%
274	14.467	14.454	14.481	VV	1466	18257	1.18%	0.023%
275	14.505	14.481	14.525	VV	2288	41562	2.68%	0.053%
276	14.544	14.525	14.571	VV	3015	49560	3.20%	0.063%
277	14.603	14.571	14.622	VV	1752	40187	2.59%	0.051%
278	14.661	14.622	14.667	VV	2023	45378	2.93%	0.058%
279	14.668	14.667	14.701	VV	1989	31787	2.05%	0.041%
280	14.705	14.701	14.727	VV	1362	16479	1.06%	0.021%
281	14.738	14.727	14.744	VV	1142	10088	0.65%	0.013%
282	14.764	14.744	14.825	VV	2076	52273	3.37%	0.067%
283	14.835	14.825	14.860	VV	783	13216	0.85%	0.017%
284	14.887	14.860	14.903	VV	1123	22315	1.44%	0.029%
285	14.924	14.903	14.949	VV	1722	31676	2.04%	0.040%
286	14.969	14.949	15.005	VV	1070	21746	1.40%	0.028%
287	15.044	15.005	15.048	VV	899	17693	1.14%	0.023%
288	15.064	15.048	15.088	VV	1382	24495	1.58%	0.031%
289	15.094	15.088	15.110	VV	776	7518	0.48%	0.010%
290	15.133	15.110	15.160	VV	2406	42542	2.74%	0.054%
291	15.170	15.160	15.190	VV	1183	15309	0.99%	0.020%
292	15.201	15.190	15.217	VV	524	6597	0.43%	0.008%
293	15.242	15.217	15.264	VV	1205	23553	1.52%	0.030%
294	15.293	15.264	15.317	VV	1528	36197	2.33%	0.046%
295	15.322	15.317	15.349	VV	836	12867	0.83%	0.016%
296	15.357	15.349	15.375	VV	1059	12250	0.79%	0.016%
297	15.395	15.375	15.408	VV	643	10583	0.68%	0.014%
298	15.419	15.408	15.435	VV	736	9839	0.63%	0.013%
299	15.457	15.435	15.472	VV	765	13147	0.85%	0.017%

Instrument :
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300	15.483	15.472	15.495	VV	605	6874	0.44%	0.009%
301	15.500	15.495	15.504	VV	420	1846		
302	15.521	15.504	15.537	VV	779	10948		
303	15.559	15.537	15.588	VV	2596	40928		
304	15.597	15.588	15.605	VV	559	4596		
305	15.628	15.605	15.640	VV	610	8869		
306	15.647	15.640	15.683	VV	271	3027	0.20%	0.004%
307	15.728	15.683	15.753	PV	1433	27234	1.76%	0.035%
308	15.773	15.753	15.792	VV	938	13607	0.88%	0.017%
309	15.835	15.792	15.858	VV	1046	24692	1.59%	0.032%
310	15.872	15.858	15.899	VV	820	13023	0.84%	0.017%
311	15.932	15.899	15.972	VV	1182	24395	1.57%	0.031%
312	15.979	15.972	15.996	VV	357	4333	0.28%	0.006%
313	16.016	15.996	16.029	VV	1286	16713	1.08%	0.021%
314	16.041	16.029	16.078	VV	2174	31602	2.04%	0.040%
315	16.112	16.078	16.127	VV	702	12923	0.83%	0.017%
316	16.145	16.127	16.169	VV	786	13583	0.88%	0.017%
317	16.174	16.169	16.178	VV	364	1841	0.12%	0.002%
318	16.182	16.178	16.191	VV	413	2425	0.16%	0.003%
319	16.198	16.191	16.220	VV	562	6630	0.43%	0.008%
320	16.234	16.220	16.265	VV	445	8454	0.55%	0.011%
321	16.285	16.265	16.308	VV	740	13586	0.88%	0.017%
322	16.334	16.308	16.364	VV	1089	21260	1.37%	0.027%
323	16.370	16.364	16.387	VV	422	3962	0.26%	0.005%
324	16.405	16.387	16.427	VV	772	11802	0.76%	0.015%
325	16.432	16.427	16.435	VV	520	2299	0.15%	0.003%
326	16.441	16.435	16.463	VV	623	8499	0.55%	0.011%
327	16.505	16.463	16.534	VV	3453	62271	4.02%	0.080%
328	16.538	16.534	16.562	VV	685	7655	0.49%	0.010%
329	16.573	16.562	16.592	VV	437	5067	0.33%	0.006%
330	16.608	16.592	16.624	VV	428	5018	0.32%	0.006%
331	16.638	16.624	16.653	VV	578	5383	0.35%	0.007%
332	16.667	16.653	16.693	PV	546	7892	0.51%	0.010%
333	16.716	16.693	16.727	VV	706	10508	0.68%	0.013%
334	16.734	16.727	16.746	VV	514	4384	0.28%	0.006%
335	16.759	16.746	16.768	VV	436	4465	0.29%	0.006%
336	16.796	16.768	16.812	VV	944	17238	1.11%	0.022%
337	16.830	16.812	16.849	VV	608	11153	0.72%	0.014%
338	16.883	16.849	16.905	VV	989	20029	1.29%	0.026%
339	16.916	16.905	16.925	VV	514	4712	0.30%	0.006%
340	16.929	16.925	16.932	VV	303	1027	0.07%	0.001%
341	16.953	16.932	17.005	VV	3127	51684	3.33%	0.066%
342	17.020	17.005	17.031	VV	537	4590	0.30%	0.006%
343	17.060	17.031	17.077	VV	686	12802	0.83%	0.016%
344	17.099	17.077	17.128	VV	966	21088	1.36%	0.027%
345	17.133	17.128	17.150	VV	451	4827	0.31%	0.006%
346	17.159	17.150	17.170	VV	471	4536	0.29%	0.006%
347	17.186	17.170	17.199	VV	769	9454	0.61%	0.012%
348	17.207	17.199	17.215	VV	549	4141	0.27%	0.005%
349	17.235	17.215	17.248	VV	573	9709	0.63%	0.012%
350	17.255	17.248	17.268	VV	525	4831	0.31%	0.006%
351	17.285	17.268	17.296	VV	514	7502	0.48%	0.010%

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352	17.303	17.296	17.310	VV	445	3034	0.20%	0.004%
353	17.331	17.310	17.345	VV	763	11604		
354	17.389	17.345	17.417	VV	4418	70120		
355	17.420	17.417	17.424	VV	430	1494		
356	17.427	17.424	17.432	VV	456	1700		
357	17.464	17.432	17.469	VV	656	9141		
358	17.490	17.469	17.505	VV	1214	17686	1.14%	0.023%
359	17.510	17.505	17.513	VV	533	2454	0.16%	0.003%
360	17.538	17.513	17.558	VV	845	16905	1.09%	0.022%
361	17.563	17.558	17.572	VV	423	2452	0.16%	0.003%
362	17.603	17.572	17.627	VV	677	15246	0.98%	0.019%
363	17.647	17.627	17.654	VV	782	8691	0.56%	0.011%
364	17.663	17.654	17.679	VV	803	10023	0.65%	0.013%
365	17.701	17.679	17.719	VV	887	14614	0.94%	0.019%
366	17.738	17.719	17.757	VV	823	13229	0.85%	0.017%
367	17.762	17.757	17.767	VV	568	2727	0.18%	0.003%
368	17.808	17.767	17.835	VV	4395	70822	4.57%	0.090%
369	17.852	17.835	17.905	VV	952	21579	1.39%	0.028%
370	17.927	17.905	17.934	PV	773	7363	0.47%	0.009%
371	17.936	17.934	17.959	VV	639	6587	0.42%	0.008%
372	17.966	17.959	17.983	VV	372	3561	0.23%	0.005%
373	18.007	17.983	18.011	PV	474	4258	0.27%	0.005%
374	18.017	18.011	18.033	VV	569	5564	0.36%	0.007%
375	18.072	18.033	18.099	VV	665	16552	1.07%	0.021%
376	18.114	18.099	18.123	VV	382	3686	0.24%	0.005%
377	18.130	18.123	18.141	PV	368	1918	0.12%	0.002%
378	18.156	18.141	18.164	VV	252	2077	0.13%	0.003%

Sum of corrected areas: 78295104

Aromatic EPH 102324.M Tue Nov 12 03:30:24 2024

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-11-TPH-1DL2	SDG No.:	P4721
Lab Sample ID:	P4721-04DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051140.D	50	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	145		23.8	62.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	529		15.0	41.7	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	347		18.8	62.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	59.0	J	50.0	83.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.9	J	112	125	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.98		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-04DL2	Acq On:	11 Nov 2024 10:41
Client Sample ID:	EX-11-TPH-1DL2	Operator:	YP\AJ
Data file:	FE051140.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	37311171	268.641		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	110966	0.98		ug/ml
Aliphatic C9-C12	3.140	6.760	4883194	34.901	300	ug/ml
Aliphatic C12-C16	6.761	10.193	17864946	127.03	200	ug/ml
Aliphatic C16-C21	10.194	13.553	11466516	83.231	300	ug/ml
Aliphatic C21-C28	13.554	17.209	1896637	14.159	400	ug/ml
Aliphatic C28-C40	17.210	22.059	1199878	9.32	600	ug/ml
Aliphatic C9-C28	3.140	17.209	36111293	259.321	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051140.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 10:41
Operator : YP\AJ
Sample : P4721-04DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	110966	0.977 ug/mlm
Spiked Amount 50.000		Recovery =	1.95%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051140.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 10:41
Operator : YP\AJ
Sample : P4721-04DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

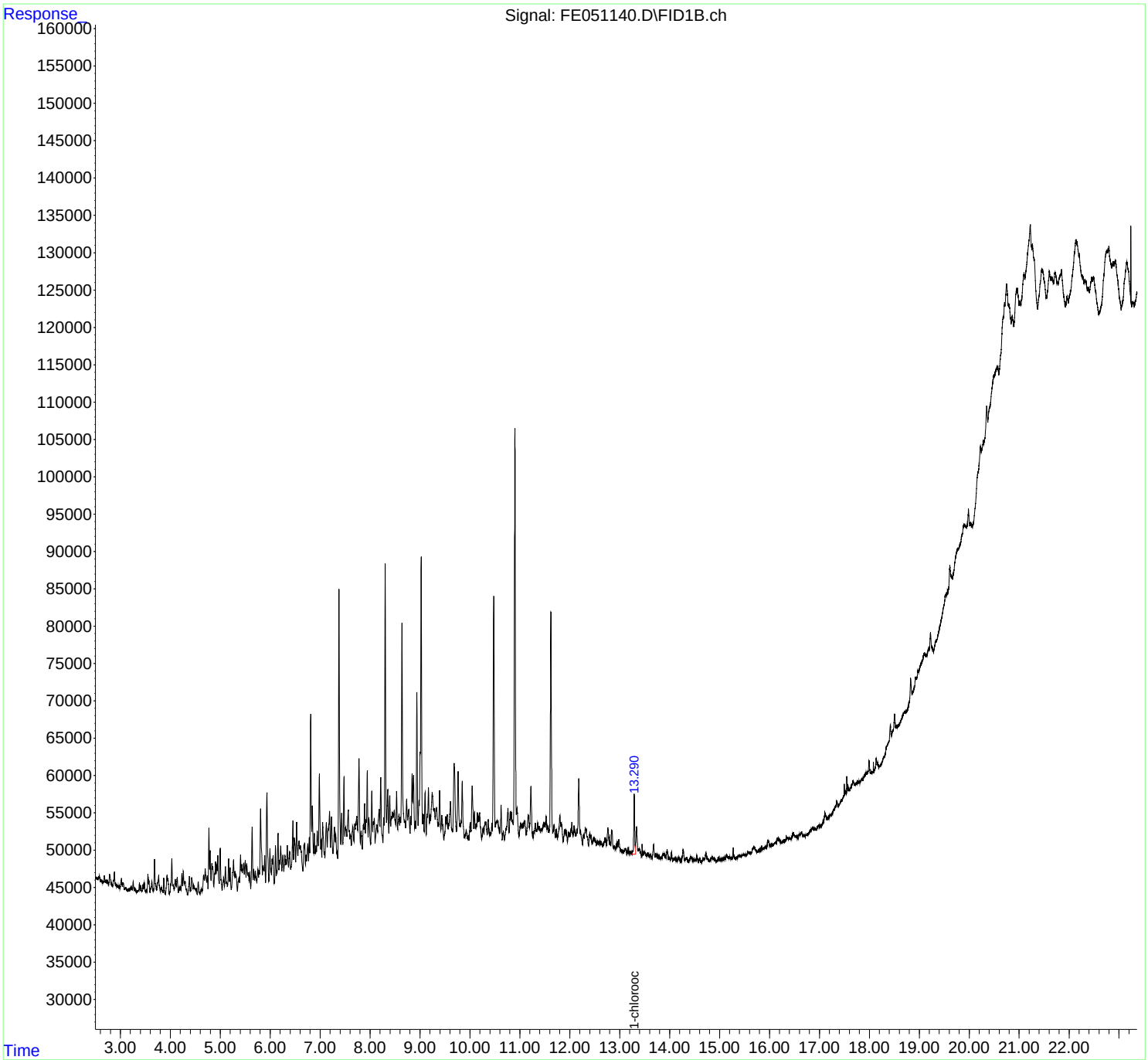
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

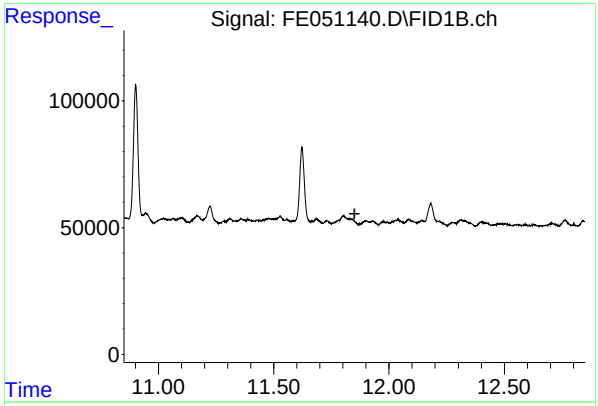
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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





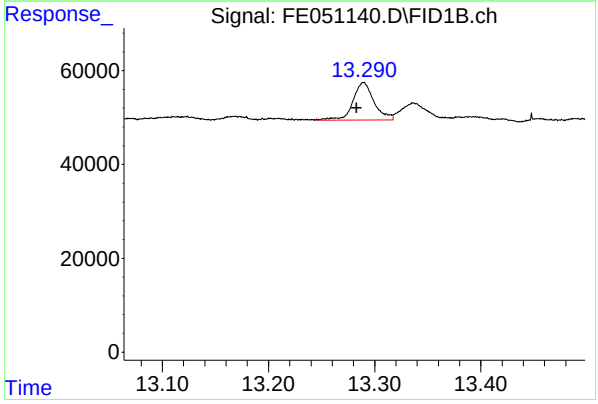
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.290 min
Delta R.T.: 0.007 min
Response: 110966
Conc: 0.98 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051140.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 10:41
Sample : P4721-04DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.518	3.504	3.531	BV	253	1752	0.18%	0.005%
2	3.551	3.531	3.594	PV	2342	41317	4.33%	0.110%
3	3.630	3.594	3.664	VV	1536	27724	2.91%	0.074%
4	3.684	3.664	3.724	VV	4448	62826	6.59%	0.168%
5	3.765	3.724	3.800	VV	2331	54152	5.68%	0.144%
6	3.821	3.800	3.852	VV	783	15770	1.65%	0.042%
7	3.870	3.852	3.901	VV	1994	20886	2.19%	0.056%
8	3.933	3.901	3.979	PV	2489	57290	6.01%	0.153%
9	4.030	3.979	4.079	VV	4710	86456	9.06%	0.231%
10	4.099	4.079	4.119	VV	1973	32842	3.44%	0.088%
11	4.138	4.119	4.161	VV	2289	34078	3.57%	0.091%
12	4.179	4.161	4.190	VV	886	11116	1.17%	0.030%
13	4.203	4.190	4.213	VV	973	11324	1.19%	0.030%
14	4.231	4.213	4.245	VV	2752	31707	3.32%	0.085%
15	4.261	4.245	4.278	VV	3140	41791	4.38%	0.111%
16	4.295	4.278	4.346	VV	1730	39989	4.19%	0.107%
17	4.382	4.346	4.404	PV	2368	34711	3.64%	0.093%
18	4.429	4.404	4.458	VV	2231	40678	4.26%	0.108%
19	4.470	4.458	4.513	VV	1145	28036	2.94%	0.075%
20	4.520	4.513	4.537	VV	763	6202	0.65%	0.017%
21	4.559	4.537	4.585	VV	1622	21009	2.20%	0.056%
22	4.618	4.585	4.632	VV	642	9234	0.97%	0.025%
23	4.668	4.632	4.683	VV	2422	44142	4.63%	0.118%
24	4.700	4.683	4.727	VV	3279	61016	6.40%	0.163%
25	4.740	4.727	4.754	VV	2334	28269	2.96%	0.075%
26	4.773	4.754	4.787	VV	8642	91151	9.55%	0.243%
27	4.796	4.787	4.815	VV	5584	64448	6.76%	0.172%
28	4.833	4.815	4.870	VV	3922	93484	9.80%	0.249%
29	4.907	4.870	4.919	VV	4096	75645	7.93%	0.202%
30	4.952	4.919	4.978	VV	4950	110511	11.58%	0.295%
31	4.999	4.978	5.037	VV	5902	90717	9.51%	0.242%
32	5.068	5.037	5.085	VV	1986	36661	3.84%	0.098%
33	5.104	5.085	5.144	VV	3409	62463	6.55%	0.167%
34	5.168	5.144	5.184	VV	4414	58786	6.16%	0.157%
35	5.198	5.184	5.221	VV	3166	38876	4.08%	0.104%
36	5.266	5.221	5.281	VV	4223	82742	8.67%	0.221%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

Manual IntegrationsAPPROVED

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37	5.290	5.281	5.301	VV	2709	28765	3.02%	0.077%
38	5.312	5.301	5.343	VV	2221	38768		
39	5.373	5.343	5.385	VV	1852	30600		
40	5.407	5.385	5.420	VV	4810	65857		
41	5.430	5.420	5.442	VV	3591	40542		
42	5.468	5.442	5.481	VV	3690	70223		
43	5.500	5.481	5.516	VV	4104	67102	7.03%	0.179%
44	5.531	5.516	5.556	VV	3616	65639	6.88%	0.175%
45	5.565	5.556	5.579	VV	2444	28623	3.00%	0.076%
46	5.592	5.579	5.611	VV	2433	29076	3.05%	0.078%
47	5.639	5.611	5.658	VV	8477	109589	11.49%	0.292%
48	5.671	5.658	5.687	VV	2829	36819	3.86%	0.098%
49	5.702	5.687	5.732	VV	2601	47517	4.98%	0.127%
50	5.754	5.732	5.767	VV	2824	43600	4.57%	0.116%
51	5.779	5.767	5.786	VV	2643	26626	2.79%	0.071%
52	5.808	5.786	5.845	VV	10866	203537	21.34%	0.543%
53	5.858	5.845	5.878	VV	3199	53554	5.61%	0.143%
54	5.891	5.878	5.908	VV	4598	55396	5.81%	0.148%
55	5.934	5.908	5.974	VV	12884	224636	23.55%	0.599%
56	5.995	5.974	6.024	VV	5455	93000	9.75%	0.248%
57	6.039	6.024	6.047	VV	4039	45124	4.73%	0.120%
58	6.058	6.047	6.082	VV	4474	59087	6.19%	0.158%
59	6.107	6.082	6.124	VV	5795	74279	7.79%	0.198%
60	6.157	6.124	6.177	VV	7429	127199	13.33%	0.339%
61	6.211	6.177	6.234	VV	5582	133699	14.01%	0.357%
62	6.254	6.234	6.274	VV	4447	83287	8.73%	0.222%
63	6.296	6.274	6.309	VV	4465	76221	7.99%	0.203%
64	6.318	6.309	6.327	VV	3786	36834	3.86%	0.098%
65	6.343	6.327	6.367	VV	5742	101674	10.66%	0.271%
66	6.389	6.367	6.411	VV	4893	98889	10.37%	0.264%
67	6.453	6.411	6.468	VV	7761	153724	16.11%	0.410%
68	6.484	6.468	6.511	VV	6663	136146	14.27%	0.363%
69	6.530	6.511	6.554	VV	8788	158626	16.63%	0.423%
70	6.578	6.554	6.594	VV	6205	132972	13.94%	0.355%
71	6.605	6.594	6.656	VV	5571	156915	16.45%	0.419%
72	6.690	6.656	6.707	VV	5898	138584	14.53%	0.370%
73	6.753	6.707	6.768	VV	5775	160664	16.84%	0.429%
74	6.812	6.768	6.833	VV	23138	401010	42.03%	1.070%
75	6.845	6.833	6.870	VV	10799	168558	17.67%	0.450%
76	6.884	6.870	6.900	VV	7067	102601	10.75%	0.274%
77	6.919	6.900	6.927	VV	5426	80193	8.41%	0.214%
78	6.945	6.927	6.962	VV	7427	127872	13.40%	0.341%
79	6.985	6.962	7.013	VV	14998	279125	29.26%	0.744%
80	7.022	7.013	7.034	VV	6177	69414	7.28%	0.185%
81	7.052	7.034	7.097	VV	8482	216336	22.68%	0.577%
82	7.125	7.097	7.144	VV	8450	183008	19.18%	0.488%
83	7.189	7.144	7.209	VV	9878	294437	30.86%	0.785%
84	7.229	7.209	7.257	VV	9203	193392	20.27%	0.516%
85	7.288	7.257	7.301	VV	7772	161695	16.95%	0.431%
86	7.312	7.301	7.352	VV	6713	160058	16.78%	0.427%
87	7.379	7.352	7.414	VV	39653	586996	61.53%	1.566%
88	7.433	7.414	7.454	VV	9588	178459	18.71%	0.476%
89	7.478	7.454	7.497	VV	14443	234758	24.61%	0.626%

Instrument :
FID_E
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EX-11-TPH-1DL2

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90	7.510	7.497	7.535	VV	7605	164869	17.28%	0.440%
91	7.564	7.535	7.598	VV	9966	297453	31	
92	7.607	7.598	7.627	VV	6645	104910	11	
93	7.654	7.627	7.677	VV	7730	200554	21	
94	7.695	7.677	7.703	VV	8055	109279	11	
95	7.733	7.703	7.752	VV	9029	237446	24	
96	7.779	7.752	7.807	VV	16659	347879	36.47%	0.928%
97	7.822	7.807	7.846	VV	7008	136720	14.33%	0.365%
98	7.868	7.846	7.876	VV	7935	121792	12.77%	0.325%
99	7.891	7.876	7.907	VV	10663	158326	16.60%	0.422%
100	7.945	7.907	7.962	VV	15020	319705	33.51%	0.853%
101	7.977	7.962	8.011	VV	8725	209045	21.91%	0.558%
102	8.036	8.011	8.053	VV	12315	218112	22.86%	0.582%
103	8.085	8.053	8.103	VV	8639	227982	23.90%	0.608%
104	8.134	8.103	8.149	VV	7665	186829	19.58%	0.498%
105	8.182	8.149	8.197	VV	9685	243388	25.51%	0.649%
106	8.215	8.197	8.258	VV	14088	322995	33.86%	0.861%
107	8.304	8.258	8.331	VV	42497	681316	71.42%	1.817%
108	8.354	8.331	8.376	VV	12334	265920	27.87%	0.709%
109	8.395	8.376	8.414	VV	11501	208379	21.84%	0.556%
110	8.448	8.414	8.470	VV	9185	291176	30.52%	0.777%
111	8.484	8.470	8.514	VV	9468	224447	23.53%	0.599%
112	8.533	8.514	8.553	VV	12056	218227	22.88%	0.582%
113	8.580	8.553	8.594	VV	9020	198028	20.76%	0.528%
114	8.606	8.594	8.618	VV	8484	117463	12.31%	0.313%
115	8.640	8.618	8.711	VV	34291	745799	78.18%	1.989%
116	8.733	8.711	8.753	VV	10898	229397	24.05%	0.612%
117	8.773	8.753	8.801	VV	9462	241225	25.29%	0.643%
118	8.843	8.801	8.855	VV	14105	313722	32.89%	0.837%
119	8.871	8.855	8.896	VV	14051	270926	28.40%	0.723%
120	8.908	8.896	8.917	VV	7806	94099	9.86%	0.251%
121	8.939	8.917	8.963	VV	25168	393319	41.23%	1.049%
122	9.025	8.963	9.052	VV	43206	924507	96.91%	2.466%
123	9.065	9.052	9.083	VV	8703	145981	15.30%	0.389%
124	9.103	9.083	9.126	VV	11662	227210	23.82%	0.606%
125	9.171	9.126	9.190	VV	12243	343786	36.04%	0.917%
126	9.204	9.190	9.215	VV	8605	121465	12.73%	0.324%
127	9.246	9.215	9.305	VV	11480	527807	55.33%	1.408%
128	9.335	9.305	9.363	VV	9493	295917	31.02%	0.789%
129	9.395	9.363	9.421	VV	11764	300700	31.52%	0.802%
130	9.438	9.421	9.479	VV	8392	241180	25.28%	0.643%
131	9.517	9.479	9.530	VV	8256	209400	21.95%	0.558%
132	9.546	9.530	9.563	VV	8482	151414	15.87%	0.404%
133	9.613	9.563	9.654	VV	10163	422344	44.27%	1.126%
134	9.686	9.654	9.730	VV	15290	467187	48.97%	1.246%
135	9.765	9.730	9.795	VV	14084	366291	38.40%	0.977%
136	9.805	9.795	9.818	VV	7186	96457	10.11%	0.257%
137	9.847	9.818	9.892	VV	12880	361231	37.87%	0.963%
138	9.927	9.892	9.961	VV	6155	232860	24.41%	0.621%
139	9.969	9.961	9.981	VV	5391	62825	6.59%	0.168%
140	10.006	9.981	10.021	VV	7173	150120	15.74%	0.400%
141	10.047	10.021	10.077	VV	12082	303345	31.80%	0.809%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

Manual IntegrationsAPPROVED

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142	10.092	10.077	10.111	VV	8621	151560	15.89%	0.404%
143	10.150	10.111	10.162	VV	8445	222720	23	
144	10.195	10.162	10.235	VV	8452	313697	32	
145	10.268	10.235	10.282	VV	6385	162071	16	
146	10.321	10.282	10.346	VV	7129	252550	26	
147	10.367	10.346	10.396	VV	7502	191331	20	
148	10.440	10.396	10.450	VV	6898	190242	19.94%	0.507%
149	10.479	10.450	10.508	VV	37351	637532	66.83%	1.700%
150	10.543	10.508	10.598	VV	7195	366512	38.42%	0.978%
151	10.626	10.598	10.651	VV	9282	214318	22.47%	0.572%
152	10.671	10.651	10.695	VV	5703	136014	14.26%	0.363%
153	10.760	10.695	10.787	VV	8859	356614	37.38%	0.951%
154	10.808	10.787	10.818	VV	8317	133383	13.98%	0.356%
155	10.830	10.818	10.871	VV	8274	235196	24.65%	0.627%
156	10.902	10.871	10.932	VV	59631	953994	100.00%	2.544%
157	10.946	10.932	10.981	VV	8814	211546	22.17%	0.564%
158	11.022	10.981	11.049	VV	6673	249774	26.18%	0.666%
159	11.063	11.049	11.075	VV	6727	99625	10.44%	0.266%
160	11.101	11.075	11.134	VV	6942	220568	23.12%	0.588%
161	11.169	11.134	11.191	VV	7725	224934	23.58%	0.600%
162	11.223	11.191	11.264	VV	11482	327756	34.36%	0.874%
163	11.311	11.264	11.341	VV	6578	262586	27.52%	0.700%
164	11.359	11.341	11.377	VV	6466	130661	13.70%	0.348%
165	11.389	11.377	11.412	VV	6092	121412	12.73%	0.324%
166	11.429	11.412	11.448	VV	5823	122410	12.83%	0.326%
167	11.480	11.448	11.497	VV	6512	183203	19.20%	0.489%
168	11.528	11.497	11.547	VV	7418	195942	20.54%	0.523%
169	11.556	11.547	11.573	VV	6046	90716	9.51%	0.242%
170	11.622	11.573	11.659	VV	34595	679677	71.25%	1.813%
171	11.686	11.659	11.712	VV	6238	172548	18.09%	0.460%
172	11.729	11.712	11.751	VV	5583	116517	12.21%	0.311%
173	11.802	11.751	11.868	VV	7419	404262	42.38%	1.078%
174	11.901	11.868	11.916	VV	5484	139453	14.62%	0.372%
175	11.930	11.916	11.954	VV	5357	110881	11.62%	0.296%
176	11.974	11.954	11.985	VV	5131	85642	8.98%	0.228%
177	11.992	11.985	12.004	VV	4842	54502	5.71%	0.145%
178	12.038	12.004	12.064	VV	5902	187725	19.68%	0.501%
179	12.086	12.064	12.118	VV	5921	165467	17.34%	0.441%
180	12.143	12.118	12.153	VV	5455	107753	11.29%	0.287%
181	12.181	12.153	12.252	VV	12153	383971	40.25%	1.024%
182	12.274	12.252	12.290	VV	4581	96156	10.08%	0.256%
183	12.312	12.290	12.373	VV	5638	233106	24.43%	0.622%
184	12.401	12.373	12.445	VV	4802	176076	18.46%	0.470%
185	12.482	12.445	12.494	VV	4068	113891	11.94%	0.304%
186	12.504	12.494	12.538	VV	4045	95447	10.00%	0.255%
187	12.557	12.538	12.575	VV	3773	79318	8.31%	0.212%
188	12.593	12.575	12.608	VV	3629	67957	7.12%	0.181%
189	12.627	12.608	12.652	VV	3627	88283	9.25%	0.235%
190	12.706	12.652	12.736	VV	4056	177183	18.57%	0.473%
191	12.763	12.736	12.820	VV	5376	193815	20.32%	0.517%
192	12.842	12.820	12.877	VV	5031	129103	13.53%	0.344%
193	12.888	12.877	12.918	VV	2891	67547	7.08%	0.180%
194	12.949	12.918	12.967	VV	3427	89482	9.38%	0.239%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

195	12.985	12.967	13.025	VV	3678	99949	10.48%	0.267%
196	13.033	13.025	13.055	VV	2358	39085		
197	13.061	13.055	13.078	VV	2158	28142		
198	13.121	13.078	13.145	VV	2425	88478		
199	13.168	13.145	13.190	VV	2492	57834		
200	13.205	13.190	13.241	VV	1980	56673		
201	13.290	13.241	13.315	VV	9666	182466	19.13%	0.487%
202	13.337	13.315	13.371	VV	5220	118811	12.45%	0.317%
203	13.392	13.371	13.437	VV	2299	77654	8.14%	0.207%
204	13.450	13.437	13.476	VV	1769	39524	4.14%	0.105%
205	13.490	13.476	13.537	VV	1863	60017	6.29%	0.160%
206	13.557	13.537	13.604	VV	1659	57347	6.01%	0.153%
207	13.619	13.604	13.648	VV	1460	32004	3.35%	0.085%
208	13.675	13.648	13.703	VV	2665	59128	6.20%	0.158%
209	13.722	13.703	13.746	VV	1511	33949	3.56%	0.091%
210	13.764	13.746	13.803	VV	1381	38313	4.02%	0.102%
211	13.830	13.803	13.841	VV	943	20884	2.19%	0.056%
212	13.861	13.842	13.872	vv	1481	21630	2.27%	0.058%
213	13.883	13.873	13.919	vv	1535	34525	3.62%	0.092%
214	13.947	13.920	13.977	vv	2030	45900	4.81%	0.122%
215	13.986	13.977	14.017	vv	974	18460	1.93%	0.049%
216	14.036	14.018	14.062	vv	1664	26585	2.79%	0.071%
217	14.080	14.064	14.102	vv	876	15953	1.67%	0.043%
218	14.122	14.104	14.141	vv	994	15295	1.60%	0.041%
219	14.187	14.142	14.227	vv	1035	33232	3.48%	0.089%
220	14.269	14.230	14.300	vv	2031	45846	4.81%	0.122%
221	14.345	14.303	14.373	vv	985	27270	2.86%	0.073%
222	14.423	14.373	14.473	vv	1071	40321	4.23%	0.108%
223	14.549	14.473	14.576	vv	1159	37545	3.94%	0.100%
224	14.601	14.578	14.627	vv	875	15338	1.61%	0.041%
225	14.672	14.627	14.686	vv	846	17700	1.86%	0.047%
226	14.723	14.688	14.786	vv	1486	48121	5.04%	0.128%
227	14.843	14.787	14.928	vv	994	52421	5.49%	0.140%
228	14.977	14.928	15.023	vv	937	29564	3.10%	0.079%
229	15.100	15.024	15.106	vv	903	30431	3.19%	0.081%
230	15.140	15.108	15.162	vv	1215	29463	3.09%	0.079%
231	15.199	15.164	15.246	vv	1018	37269	3.91%	0.099%
232	15.273	15.247	15.306	vv	2118	32124	3.37%	0.086%
233	15.401	15.309	15.428	vv	1105	57902	6.07%	0.154%
234	15.470	15.432	15.539	vv	1157	60911	6.38%	0.162%
235	15.579	15.541	15.633	vv	1411	64486	6.76%	0.172%
236	15.685	15.636	15.768	vv	2126	124994	13.10%	0.333%
237	15.959	15.772	15.959	vv	2046	162945	17.08%	0.435%
238	15.967	15.963	16.088	vv	2307	114998	12.05%	0.307%
239	16.157	16.088	16.237	vv	2030	130971	13.73%	0.349%
240	16.334	16.239	16.360	vv	1711	77914	8.17%	0.208%
241	16.363	16.363	16.427	vv	1303	34568	3.62%	0.092%
242	16.481	16.427	16.507	vv	1225	39010	4.09%	0.104%
243	16.543	16.535	16.563	VV	454	4609	0.48%	0.012%
244	16.642	16.563	16.662	VV	688	25758	2.70%	0.069%
245	16.680	16.662	16.714	VV	267	5794	0.61%	0.015%
246	16.728	16.714	16.744	PV	160	1844	0.19%	0.005%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
247	16.871	16.744	16.890	PV	537	25173	2.64%	0.067%
248	16.906	16.890	16.932	VV	311	4428		
249	16.985	16.932	17.002	VV	411	9182		
250	17.024	17.002	17.034	VV	80	1551		
251	17.109	17.034	17.148	PV	1394	41943		
252	17.171	17.148	17.181	VV	620	11038		
253	17.349	17.181	17.376	VV	1992	125317	13.14%	0.334%
254	17.522	17.376	17.541	VV	2625	186931	19.59%	0.499%
255	17.560	17.541	17.578	VV	3293	64277	6.74%	0.171%
256	17.588	17.578	17.602	VV	2714	36313	3.81%	0.097%
257	17.672	17.602	17.707	VV	3373	179841	18.85%	0.480%
258	17.761	17.707	17.782	VV	2953	123210	12.92%	0.329%
259	17.854	17.782	17.867	VV	2808	136274	14.28%	0.363%
260	17.935	17.867	17.954	VV	3279	159936	16.76%	0.427%
261	17.993	17.954	18.048	VV	4652	187779	19.68%	0.501%
			Sum of corrected areas:			37493630		

Aliphatic EPH 110724.M Tue Nov 12 05:16:29 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-11-TPH-2			SDG No.:	P4721
Lab Sample ID:	P4721-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.5
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
11/08/24 08:47	11/08/24 22:09	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	128		10	4.15	10.9	mg/kg	FE051132.D
Aliphatic C12-C16	Aliphatic C12-C16	714		50	13.1	36.4	mg/kg	FE051144.D
Aliphatic C16-C21	Aliphatic C16-C21	720		50	16.4	54.6	mg/kg	FE051144.D
Aliphatic C21-C28	Aliphatic C21-C28	108		10	8.73	14.5	mg/kg	FE051132.D
Aliphatic C28-C40	Aliphatic C28-C40	203		10	19.6	21.8	mg/kg	FE051132.D
Aromatic C10-C12	Aromatic C10-C12	71.8		10	3.27	7.27	mg/kg	FF014985.D
Aromatic C12-C16	Aromatic C12-C16	388		50	18.5	54.6	mg/kg	FF014996.D
Aromatic C16-C21	Aromatic C16-C21	1060		50	52.4	90.9	mg/kg	FF014996.D
Aromatic C21-C36	Aromatic C21-C36	285		10	21.8	29.1	mg/kg	FF014985.D
Total AliphaticEPH	Total AliphaticEPH	1870			62.0	138	mg/kg	
Total AromaticEPH	Total AromaticEPH	1810			96.0	182	mg/kg	
Total EPH	Total EPH	3680			158	320	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.5	
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
FE051132.D	10	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	128		4.15	10.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	669	E	2.62	7.27	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	631	E	3.27	10.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	108		8.73	14.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	203		19.6	21.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.88		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-05	Acq On:	08 Nov 2024 22:09
Client Sample ID:	EX-11-TPH-2	Operator:	YP\AJ
Data file:	FE051132.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	24780249	177.11	300	ug/ml
Aliphatic C12-C16	6.759	10.191	129375713	919.936	200	ug/ml
Aliphatic C16-C21	10.192	13.550	119614037	868.228	300	ug/ml
Aliphatic C21-C28	13.551	17.206	19985307	149.198	400	ug/ml
Aliphatic C28-C40	17.207	22.053	36095690	280.358	600	ug/ml
Aliphatic EPH	3.140	22.053	329850996	2390		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.284	13.284	440432	3.88		ug/ml
Aliphatic C9-C28	3.140	17.206	293755306	2110	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051132.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 22:09
Operator : YP\AJ
Sample : P4721-05 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 00:44:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.284	440432	3.879 ug/mlm
Spiked Amount 50.000		Recovery =	7.76%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051132.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 22:09
Operator : YP\AJ
Sample : P4721-05 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

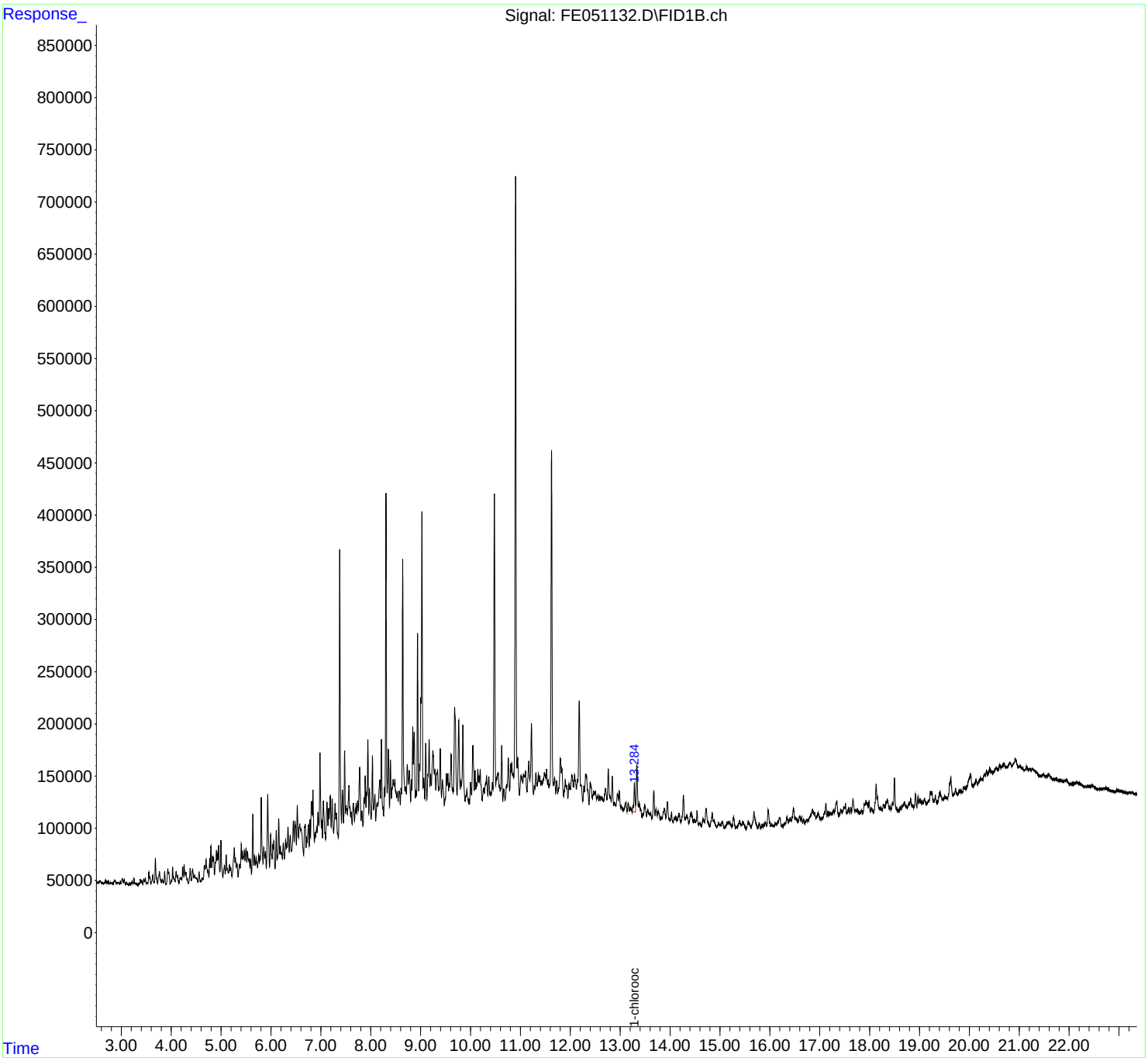
Integration File: sample.E
Quant Time: Nov 09 00:44:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

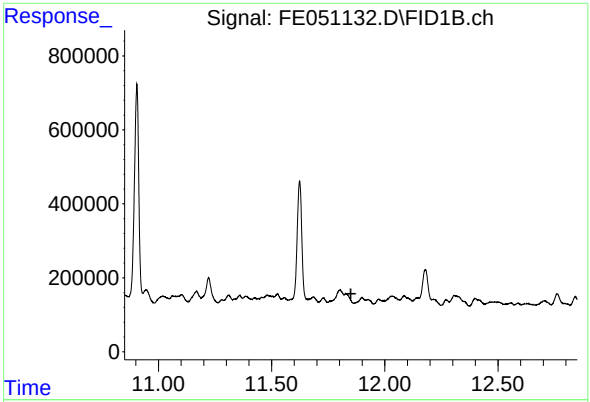
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

Manual Integrations APPROVED

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





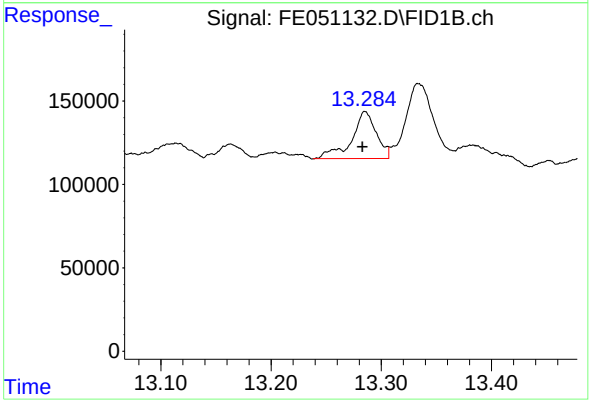
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

Manual Integrations
APPROVED

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.284 min
Delta R.T.: 0.001 min
Response: 440432
Conc: 3.88 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11092
Data File : FE051132.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 22:09
Sample : P4721-05 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.275	3.331	PV	846	9905	0.10%	0.002%
2	3.381	3.331	3.396	PV	5455	70883	0.68%	0.018%
3	3.410	3.396	3.431	VV	4116	49984	0.48%	0.012%
4	3.450	3.431	3.465	VV	5409	68529	0.66%	0.017%
5	3.481	3.465	3.506	VV	6521	90229	0.87%	0.023%
6	3.518	3.506	3.531	VV	2109	22404	0.22%	0.006%
7	3.551	3.531	3.594	VV	12039	219406	2.12%	0.055%
8	3.630	3.594	3.664	VV	9079	170747	1.65%	0.043%
9	3.684	3.664	3.727	VV	25245	362763	3.50%	0.091%
10	3.765	3.727	3.801	VV	12423	278198	2.68%	0.070%
11	3.821	3.801	3.850	VV	4642	88016	0.85%	0.022%
12	3.869	3.850	3.896	VV	12286	128398	1.24%	0.032%
13	3.932	3.896	3.979	PV	14336	337264	3.25%	0.084%
14	4.029	3.979	4.077	VV	15749	307737	2.97%	0.077%
15	4.099	4.077	4.119	VV	11907	199184	1.92%	0.050%
16	4.128	4.119	4.157	VV	8028	104609	1.01%	0.026%
17	4.179	4.157	4.190	VV	5925	75185	0.73%	0.019%
18	4.201	4.190	4.213	VV	5742	66572	0.64%	0.017%
19	4.231	4.213	4.244	VV	16434	188750	1.82%	0.047%
20	4.260	4.244	4.276	VV	18312	237780	2.29%	0.059%
21	4.294	4.276	4.345	VV	10760	246846	2.38%	0.062%
22	4.381	4.345	4.403	PV	14634	210210	2.03%	0.053%
23	4.429	4.403	4.454	VV	13498	245618	2.37%	0.061%
24	4.470	4.454	4.492	VV	7323	132866	1.28%	0.033%
25	4.499	4.492	4.512	VV	4820	50306	0.49%	0.013%
26	4.520	4.512	4.536	VV	4111	38560	0.37%	0.010%
27	4.558	4.536	4.600	VV	10198	147909	1.43%	0.037%
28	4.619	4.600	4.631	VV	4054	52518	0.51%	0.013%
29	4.667	4.631	4.682	VV	15789	288538	2.78%	0.072%
30	4.698	4.682	4.755	VV	21460	554766	5.35%	0.139%
31	4.772	4.755	4.782	VV	22148	230655	2.23%	0.058%
32	4.796	4.782	4.814	VV	33961	431919	4.17%	0.108%
33	4.831	4.814	4.842	VV	24460	338990	3.27%	0.085%
34	4.850	4.842	4.868	VV	22615	243333	2.35%	0.061%
35	4.906	4.868	4.918	VV	29342	550041	5.31%	0.137%
36	4.928	4.918	4.937	VV	25940	274711	2.65%	0.069%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

Manual IntegrationsAPPROVED

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

rteres

37	4.951	4.937	4.977	VV	33942	485281	4.68%	0.121%
38	4.997	4.977	5.035	VV	38558	591848	5	
39	5.067	5.035	5.084	VV	14248	270308	2	
40	5.102	5.084	5.148	VV	24073	472781	4	
41	5.169	5.148	5.183	VV	14271	212749	2	
42	5.194	5.183	5.216	VV	11499	151859	1	
43	5.264	5.216	5.278	VV	30203	606570	5.85%	0.152%
44	5.287	5.278	5.303	VV	20530	238209	2.30%	0.060%
45	5.319	5.303	5.341	VV	14404	228761	2.21%	0.057%
46	5.372	5.341	5.383	VV	14131	239058	2.31%	0.060%
47	5.405	5.383	5.418	VV	33217	466581	4.50%	0.117%
48	5.428	5.418	5.441	VV	25902	298313	2.88%	0.075%
49	5.466	5.441	5.480	VV	26545	500795	4.83%	0.125%
50	5.499	5.480	5.514	VV	28156	469544	4.53%	0.117%
51	5.528	5.514	5.577	VV	25546	691900	6.68%	0.173%
52	5.590	5.577	5.609	VV	18013	221733	2.14%	0.055%
53	5.636	5.609	5.656	VV	60333	790388	7.63%	0.197%
54	5.669	5.656	5.686	VV	20543	281006	2.71%	0.070%
55	5.701	5.686	5.730	VV	19266	369065	3.56%	0.092%
56	5.753	5.730	5.766	VV	21045	331183	3.20%	0.083%
57	5.805	5.766	5.840	VV	75676	1401583	13.52%	0.350%
58	5.856	5.840	5.876	VV	27485	454217	4.38%	0.113%
59	5.889	5.876	5.906	VV	23725	315735	3.05%	0.079%
60	5.935	5.906	5.972	VV	78062	1387195	13.39%	0.347%
61	5.994	5.972	6.022	VV	39859	717087	6.92%	0.179%
62	6.056	6.022	6.081	VV	33224	790330	7.63%	0.197%
63	6.105	6.081	6.122	VV	42922	559981	5.40%	0.140%
64	6.156	6.122	6.176	VV	53985	951319	9.18%	0.238%
65	6.188	6.176	6.202	VV	27926	372290	3.59%	0.093%
66	6.210	6.202	6.226	VV	21396	282675	2.73%	0.071%
67	6.246	6.226	6.269	VV	29926	563340	5.44%	0.141%
68	6.294	6.269	6.307	VV	33297	590667	5.70%	0.148%
69	6.341	6.307	6.367	VV	45084	1106312	10.68%	0.276%
70	6.387	6.367	6.408	VV	36742	713758	6.89%	0.178%
71	6.449	6.408	6.466	VV	50420	1189001	11.47%	0.297%
72	6.482	6.466	6.509	VV	50211	1043015	10.06%	0.261%
73	6.528	6.509	6.552	VV	64954	1179346	11.38%	0.295%
74	6.578	6.552	6.595	VV	47140	1090429	10.52%	0.272%
75	6.604	6.595	6.654	VV	42352	1141396	11.01%	0.285%
76	6.687	6.654	6.705	VV	46259	1081124	10.43%	0.270%
77	6.718	6.705	6.727	VV	33331	401263	3.87%	0.100%
78	6.751	6.727	6.767	VV	45303	877201	8.46%	0.219%
79	6.782	6.767	6.793	VV	50164	609560	5.88%	0.152%
80	6.813	6.793	6.830	VV	66424	1257385	12.13%	0.314%
81	6.842	6.830	6.871	VV	78414	1308297	12.62%	0.327%
82	6.884	6.871	6.893	VV	37484	445811	4.30%	0.111%
83	6.916	6.893	6.925	VV	41984	732737	7.07%	0.183%
84	6.942	6.925	6.959	VV	56409	984575	9.50%	0.246%
85	6.983	6.959	7.011	VV	113006	2162275	20.86%	0.540%
86	7.020	7.011	7.033	VV	48032	539629	5.21%	0.135%
87	7.051	7.033	7.096	VV	66630	1755560	16.94%	0.439%
88	7.124	7.096	7.142	VV	65032	1418755	13.69%	0.354%
89	7.156	7.142	7.167	VV	59048	784134	7.57%	0.196%

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90	7.188	7.167	7.207	VV	71058	1380253	13.32%	0.345%
91	7.228	7.207	7.256	VV	68128	1516618	14	
92	7.286	7.256	7.300	VV	62833	1303865	12	
93	7.311	7.300	7.350	VV	54171	1261701	12	
94	7.379	7.350	7.412	VV	305391	4576637	44	
95	7.433	7.412	7.454	VV	75614	1470322	14	
96	7.477	7.454	7.495	VV	113064	1847140	17.82%	0.462%
97	7.506	7.495	7.533	VV	60323	1298756	12.53%	0.325%
98	7.563	7.533	7.597	VV	79581	2371957	22.89%	0.593%
99	7.607	7.597	7.626	VV	53629	867514	8.37%	0.217%
100	7.651	7.626	7.676	VV	62231	1580249	15.25%	0.395%
101	7.710	7.676	7.723	VV	61640	1522593	14.69%	0.380%
102	7.736	7.723	7.750	VV	63442	957308	9.24%	0.239%
103	7.778	7.750	7.807	VV	95851	2410523	23.26%	0.602%
104	7.822	7.807	7.844	VV	53628	1042507	10.06%	0.260%
105	7.889	7.844	7.905	VV	87244	2332978	22.51%	0.583%
106	7.943	7.905	7.960	VV	121965	2626711	25.35%	0.656%
107	7.975	7.960	8.009	VV	74238	1739650	16.79%	0.435%
108	8.034	8.009	8.056	VV	105287	1964472	18.96%	0.491%
109	8.081	8.056	8.100	VV	68404	1564054	15.09%	0.391%
110	8.181	8.100	8.196	VV	81844	3650181	35.22%	0.912%
111	8.214	8.196	8.257	VV	120731	2748343	26.52%	0.687%
112	8.275	8.257	8.283	VV	73818	992373	9.58%	0.248%
113	8.305	8.283	8.330	VV	356416	4833280	46.64%	1.208%
114	8.353	8.330	8.376	VV	110479	2353044	22.71%	0.588%
115	8.394	8.376	8.414	VV	99928	1762863	17.01%	0.440%
116	8.449	8.414	8.470	VV	80527	2499340	24.12%	0.624%
117	8.482	8.470	8.518	VV	81236	2082000	20.09%	0.520%
118	8.530	8.518	8.548	VV	68843	1194054	11.52%	0.298%
119	8.572	8.548	8.591	VV	68514	1678129	16.19%	0.419%
120	8.641	8.591	8.686	VV	290492	6365088	61.42%	1.590%
121	8.696	8.686	8.711	VV	72802	1091388	10.53%	0.273%
122	8.732	8.711	8.753	VV	93932	2034746	19.63%	0.508%
123	8.773	8.753	8.800	VV	87991	2161457	20.86%	0.540%
124	8.815	8.800	8.824	VV	79064	1032603	9.96%	0.258%
125	8.842	8.824	8.854	VV	129015	1804053	17.41%	0.451%
126	8.870	8.854	8.896	VV	124624	2461596	23.75%	0.615%
127	8.908	8.896	8.916	VV	68238	792178	7.64%	0.198%
128	8.938	8.916	8.962	VV	218709	3434724	33.14%	0.858%
129	9.025	8.962	9.051	VV	333277	7804605	75.31%	1.950%
130	9.064	9.051	9.081	VV	79633	1324427	12.78%	0.331%
131	9.102	9.081	9.125	VV	112694	2172131	20.96%	0.543%
132	9.170	9.125	9.189	VV	116322	3252100	31.38%	0.813%
133	9.202	9.189	9.215	VV	82470	1217668	11.75%	0.304%
134	9.246	9.215	9.273	VV	104402	3186910	30.75%	0.796%
135	9.284	9.273	9.304	VV	86569	1472059	14.20%	0.368%
136	9.337	9.304	9.368	VV	86267	2935014	28.32%	0.733%
137	9.394	9.368	9.419	VV	106739	2464532	23.78%	0.616%
138	9.438	9.419	9.476	VV	75908	2244999	21.66%	0.561%
139	9.517	9.476	9.530	VV	82031	2130071	20.55%	0.532%
140	9.546	9.530	9.562	VV	82022	1399748	13.51%	0.350%
141	9.573	9.562	9.580	VV	71811	787509	7.60%	0.197%

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142	9.612	9.580	9.652	VV	100066	3323221	32.07%	0.830%
143	9.683	9.652	9.730	VV	142080	4606364	44	
144	9.764	9.730	9.793	VV	132089	3461157	33	
145	9.805	9.793	9.814	VV	73481	911089	8	
146	9.847	9.814	9.891	VV	126608	3715995	35	
147	9.927	9.891	9.960	VV	64369	2395070	23	
148	9.969	9.960	9.980	VV	54592	657391	6.34%	0.164%
149	10.001	9.980	10.020	VV	71126	1513775	14.61%	0.378%
150	10.047	10.020	10.076	VV	106570	2781893	26.84%	0.695%
151	10.092	10.076	10.109	VV	82163	1427102	13.77%	0.357%
152	10.122	10.109	10.130	VV	69964	860857	8.31%	0.215%
153	10.147	10.130	10.161	VV	82960	1379111	13.31%	0.345%
154	10.171	10.161	10.180	VV	76642	855980	8.26%	0.214%
155	10.194	10.180	10.234	VV	82922	2233242	21.55%	0.558%
156	10.263	10.234	10.279	VV	63753	1614437	15.58%	0.403%
157	10.321	10.279	10.347	VV	75566	2708208	26.13%	0.677%
158	10.366	10.347	10.414	VV	74974	2537114	24.48%	0.634%
159	10.439	10.414	10.449	VV	69299	1359560	13.12%	0.340%
160	10.479	10.449	10.508	VV	347042	6063017	58.51%	1.515%
161	10.555	10.508	10.594	VV	77607	3694930	35.65%	0.923%
162	10.625	10.594	10.648	VV	104230	2384628	23.01%	0.596%
163	10.666	10.648	10.694	VV	61703	1547628	14.93%	0.387%
164	10.758	10.694	10.785	VV	91184	3705497	35.76%	0.926%
165	10.807	10.785	10.817	VV	85672	1466092	14.15%	0.366%
166	10.828	10.817	10.867	VV	85739	2294985	22.15%	0.573%
167	10.904	10.867	10.932	VV	644508	10363218	100.00%	2.589%
168	10.946	10.932	10.982	VV	90276	2236463	21.58%	0.559%
169	11.019	10.982	11.047	VV	72893	2633912	25.42%	0.658%
170	11.062	11.047	11.077	VV	74170	1257796	12.14%	0.314%
171	11.102	11.077	11.131	VV	76832	2274903	21.95%	0.568%
172	11.168	11.131	11.189	VV	86405	2507479	24.20%	0.627%
173	11.222	11.189	11.263	VV	122031	3610519	34.84%	0.902%
174	11.310	11.263	11.328	VV	74840	2489934	24.03%	0.622%
175	11.359	11.328	11.372	VV	73330	1788086	17.25%	0.447%
176	11.386	11.372	11.414	VV	71199	1698110	16.39%	0.424%
177	11.425	11.414	11.438	VV	66181	932456	9.00%	0.233%
178	11.480	11.438	11.511	VV	73444	3000786	28.96%	0.750%
179	11.526	11.511	11.544	VV	76959	1416269	13.67%	0.354%
180	11.556	11.544	11.574	VV	66900	1143023	11.03%	0.286%
181	11.624	11.574	11.658	VV	382088	7501081	72.38%	1.874%
182	11.685	11.658	11.708	VV	67729	1884193	18.18%	0.471%
183	11.728	11.708	11.748	VV	64543	1390621	13.42%	0.347%
184	11.802	11.748	11.864	VV	85724	4700675	45.36%	1.175%
185	11.899	11.864	11.916	VV	64963	1770175	17.08%	0.442%
186	11.926	11.916	11.951	VV	59903	1182039	11.41%	0.295%
187	11.973	11.951	12.000	VV	60248	1634025	15.77%	0.408%
188	12.034	12.000	12.066	VV	68813	2490088	24.03%	0.622%
189	12.086	12.066	12.122	VV	69423	2084393	20.11%	0.521%
190	12.142	12.122	12.150	VV	63709	1021367	9.86%	0.255%
191	12.179	12.150	12.249	VV	139362	4560383	44.01%	1.139%
192	12.272	12.249	12.285	VV	57512	1103504	10.65%	0.276%
193	12.308	12.285	12.373	VV	68707	3057382	29.50%	0.764%
194	12.399	12.373	12.444	VV	60709	2211024	21.34%	0.552%

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195	12.485	12.444	12.494	VV	51113	1480302	14.28%	0.370%
196	12.502	12.494	12.527	VV	50684	924431	8	
197	12.557	12.527	12.572	VV	48399	1241468	11	
198	12.589	12.572	12.603	VV	47038	841265	8	
199	12.631	12.603	12.665	VV	45690	1618460	15	
200	12.705	12.665	12.735	VV	52609	1960827	18	
201	12.762	12.735	12.818	VV	71886	2575029	24.85%	0.643%
202	12.841	12.818	12.868	VV	64092	1476703	14.25%	0.369%
203	12.882	12.868	12.916	VV	38929	1090085	10.52%	0.272%
204	12.944	12.916	12.964	VV	46813	1216797	11.74%	0.304%
205	12.982	12.964	13.012	VV	48720	1197818	11.56%	0.299%
206	13.020	13.012	13.061	VV	34453	963505	9.30%	0.241%
207	13.114	13.061	13.139	VV	37870	1576022	15.21%	0.394%
208	13.163	13.139	13.185	VV	37149	911305	8.79%	0.228%
209	13.203	13.185	13.239	VV	32202	994992	9.60%	0.249%
210	13.286	13.239	13.308	VV	56263	1593425	15.38%	0.398%
211	13.334	13.308	13.366	VV	72520	1741682	16.81%	0.435%
212	13.383	13.366	13.435	VV	35429	1277578	12.33%	0.319%
213	13.452	13.435	13.461	VV	25988	380401	3.67%	0.095%
214	13.493	13.461	13.528	VV	33815	1137259	10.97%	0.284%
215	13.550	13.528	13.598	VV	27879	1079951	10.42%	0.270%
216	13.611	13.598	13.638	VV	26752	563029	5.43%	0.141%
217	13.675	13.638	13.699	VV	46386	1151439	11.11%	0.288%
218	13.718	13.699	13.744	VV	28751	697010	6.73%	0.174%
219	13.761	13.744	13.799	VV	26992	783108	7.56%	0.196%
220	13.812	13.799	13.821	VV	20481	257046	2.48%	0.064%
221	13.887	13.821	13.917	VV	28263	1340533	12.94%	0.335%
222	13.946	13.917	14.006	VV	34780	1255810	12.12%	0.314%
223	14.030	14.006	14.062	VV	24920	622832	6.01%	0.156%
224	14.087	14.062	14.098	VV	19149	367628	3.55%	0.092%
225	14.115	14.098	14.135	VV	20124	402926	3.89%	0.101%
226	14.182	14.135	14.214	VV	22354	869072	8.39%	0.217%
227	14.268	14.214	14.296	VV	39553	1157904	11.17%	0.289%
228	14.338	14.296	14.374	VV	20002	812237	7.84%	0.203%
229	14.423	14.374	14.462	VV	22894	932123	8.99%	0.233%
230	14.480	14.462	14.505	VV	14925	363085	3.50%	0.091%
231	14.541	14.505	14.568	VV	22624	575397	5.55%	0.144%
232	14.593	14.568	14.626	VV	11787	356835	3.44%	0.089%
233	14.662	14.626	14.694	VV	15147	499299	4.82%	0.125%
234	14.723	14.694	14.795	VV	24703	890540	8.59%	0.223%
235	14.846	14.795	14.868	VV	20181	587323	5.67%	0.147%
236	14.882	14.868	14.934	VV	12990	385377	3.72%	0.096%
237	14.972	14.934	15.002	VV	9528	314179	3.03%	0.079%
238	15.011	15.002	15.024	VV	8292	100379	0.97%	0.025%
239	15.047	15.024	15.085	VV	11068	291834	2.82%	0.073%
240	15.101	15.085	15.110	VV	5807	72946	0.70%	0.018%
241	15.146	15.110	15.164	VV	9934	257004	2.48%	0.064%
242	15.178	15.164	15.243	VV	9525	367407	3.55%	0.092%
243	15.272	15.243	15.315	VV	13951	364532	3.52%	0.091%
244	15.338	15.315	15.351	VV	4827	88300	0.85%	0.022%
245	15.391	15.351	15.424	VV	9800	313966	3.03%	0.078%
246	15.462	15.424	15.528	VV	8806	331058	3.19%	0.083%

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247	15.569	15.528	15.626	VV	7625	305224	2.95%	0.076%
248	15.682	15.626	15.749	VV	17471	589335	5	
249	15.759	15.749	15.769	VV	2192	27458	0	
250	15.787	15.769	15.815	VV	5109	96454	0	
251	15.878	15.815	15.890	VV	4426	128472	1	
252	15.910	15.890	15.937	VV	6467	124521	1	
253	15.966	15.937	16.015	VV	17854	420711	4.06%	0.105%
254	16.036	16.015	16.071	VV	3457	90558	0.87%	0.023%
255	16.081	16.071	16.092	VV	2440	25262	0.24%	0.006%
256	16.107	16.092	16.139	VV	3946	93638	0.90%	0.023%
257	16.194	16.139	16.260	VV	9610	346138	3.34%	0.086%
258	16.287	16.260	16.296	PV	2584	38724	0.37%	0.010%
259	16.309	16.296	16.321	VV	3903	44675	0.43%	0.011%
260	16.342	16.321	16.376	VV	9103	210038	2.03%	0.052%
261	16.397	16.376	16.438	VV	7528	219528	2.12%	0.055%
262	16.474	16.438	16.566	VV	17498	667918	6.45%	0.167%
263	16.598	16.566	16.624	VV	8665	219000	2.11%	0.055%
264	16.638	16.624	16.658	VV	7521	106190	1.02%	0.027%
265	16.675	16.658	16.703	VV	4916	94396	0.91%	0.024%
266	16.745	16.703	16.761	VV	4936	126219	1.22%	0.032%
267	16.849	16.761	16.889	VV	13563	670084	6.47%	0.167%
268	16.900	16.889	16.924	VV	10694	176093	1.70%	0.044%
269	16.965	16.924	17.023	VV	10238	405507	3.91%	0.101%
270	17.041	17.023	17.059	VV	5615	92481	0.89%	0.023%
271	17.124	17.059	17.145	VV	18162	515402	4.97%	0.129%
272	17.161	17.145	17.178	VV	10317	161451	1.56%	0.040%
273	17.196	17.178	17.209	VV	9285	152076	1.47%	0.038%
274	17.220	17.209	17.251	VV	8323	201589	1.95%	0.050%
275	17.276	17.251	17.294	VV	11140	243937	2.35%	0.061%
276	17.343	17.294	17.383	VV	19692	678027	6.54%	0.169%
277	17.427	17.383	17.448	VV	10429	333144	3.21%	0.083%
278	17.484	17.448	17.498	VV	13075	324353	3.13%	0.081%
279	17.516	17.498	17.548	VV	15894	339720	3.28%	0.085%
280	17.583	17.548	17.603	VV	12134	318376	3.07%	0.080%
281	17.624	17.603	17.639	VV	12471	210102	2.03%	0.052%
282	17.667	17.639	17.701	VV	19425	504667	4.87%	0.126%
283	17.718	17.701	17.738	VV	9487	190669	1.84%	0.048%
284	17.751	17.738	17.808	VV	9749	317192	3.06%	0.079%
285	17.840	17.808	17.860	VV	8616	218450	2.11%	0.055%
286	17.928	17.860	17.972	VV	17158	856157	8.26%	0.214%
287	17.988	17.972	18.012	VV	16276	282502	2.73%	0.071%
288	18.032	18.012	18.088	VV	9831	347220	3.35%	0.087%
289	18.131	18.088	18.214	VV	31837	1155654	11.15%	0.289%
290	18.226	18.214	18.250	VV	9014	170488	1.65%	0.043%
291	18.276	18.250	18.304	VV	11629	323766	3.12%	0.081%
292	18.358	18.304	18.395	VV	16063	663797	6.41%	0.166%
293	18.410	18.395	18.431	VV	10073	176904	1.71%	0.044%
294	18.458	18.431	18.474	VV	11924	260808	2.52%	0.065%
295	18.498	18.474	18.578	VV	36208	815248	7.87%	0.204%
296	18.583	18.578	18.593	VV	5172	44091	0.43%	0.011%
297	18.621	18.593	18.630	VV	7820	131321	1.27%	0.033%
298	18.657	18.630	18.668	VV	9527	187536	1.81%	0.047%
299	18.695	18.668	18.755	VV	12398	480034	4.63%	0.120%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

Manual IntegrationsAPPROVED

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

rteres

300	18.785	18.755	18.804	VV	10326	263535	2.54%	0.066%
301	18.823	18.804	18.857	VV	14488	333055		
302	18.873	18.857	18.886	VV	7630	120734		
303	18.920	18.886	18.948	VV	18635	416563		
304	18.968	18.948	18.984	VV	16429	271299		
305	19.010	18.984	19.038	VV	13403	370427		
306	19.052	19.038	19.071	VV	10922	191542	1.85%	0.048%
307	19.100	19.071	19.148	VV	13604	490361	4.73%	0.123%
308	19.218	19.148	19.234	VV	19779	675935	6.52%	0.169%
309	19.247	19.234	19.281	VV	19627	418536	4.04%	0.105%
310	19.318	19.281	19.361	VV	15832	522475	5.04%	0.131%
311	19.412	19.361	19.463	VV	18061	831726	8.03%	0.208%
312	19.475	19.463	19.485	VV	12000	150352	1.45%	0.038%
313	19.510	19.485	19.522	VV	13094	274937	2.65%	0.069%
314	19.534	19.522	19.548	VV	13006	196089	1.89%	0.049%
315	19.556	19.548	19.568	VV	12876	147612	1.42%	0.037%
316	19.627	19.568	19.671	VV	30828	1292577	12.47%	0.323%
317	19.723	19.671	19.748	VV	20515	744947	7.19%	0.186%
318	19.761	19.748	19.771	VV	15249	209369	2.02%	0.052%
319	19.804	19.771	19.822	VV	17844	505307	4.88%	0.126%
320	19.830	19.822	19.861	VV	17837	392659	3.79%	0.098%
321	19.884	19.861	19.906	VV	21104	509969	4.92%	0.127%
322	20.020	19.906	20.069	VV	32599	2388131	23.04%	0.597%
323	20.137	20.069	20.161	VV	27009	1285303	12.40%	0.321%
324	20.223	20.161	20.264	VV	27638	1581145	15.26%	0.395%
325	20.299	20.264	20.312	VV	31266	827157	7.98%	0.207%
326	20.344	20.312	20.361	VV	34671	934844	9.02%	0.234%
327	20.407	20.361	20.461	VV	37452	1994030	19.24%	0.498%
328	20.467	20.461	20.478	VV	31769	313171	3.02%	0.078%
329	20.540	20.478	20.567	VV	36808	1832440	17.68%	0.458%
330	20.607	20.567	20.631	VV	38858	1402589	13.53%	0.350%
331	20.688	20.631	20.721	VV	39421	2029239	19.58%	0.507%
332	20.732	20.721	20.764	VV	36586	929016	8.96%	0.232%
333	20.813	20.764	20.846	VV	40150	1861147	17.96%	0.465%
334	20.921	20.846	20.985	VV	42647	3209819	30.97%	0.802%
335	21.011	20.985	21.050	VV	35675	1359327	13.12%	0.340%
336	21.064	21.050	21.094	VV	33927	864991	8.35%	0.216%
337	21.144	21.094	21.180	VV	34746	1654462	15.96%	0.413%
338	21.215	21.180	21.251	VV	32030	1326809	12.80%	0.332%
339	21.269	21.251	21.432	VV	31774	3020228	29.14%	0.755%
340	21.485	21.432	21.543	VV	25659	1600040	15.44%	0.400%
341	21.562	21.543	21.578	VV	23921	482574	4.66%	0.121%
342	21.599	21.578	21.667	VV	24147	1198085	11.56%	0.299%
343	21.697	21.667	21.708	VV	19632	479501	4.63%	0.120%
344	21.720	21.708	21.731	VV	19842	263284	2.54%	0.066%
345	21.752	21.731	21.772	VV	19660	475714	4.59%	0.119%
346	21.782	21.772	21.792	VV	18189	213038	2.06%	0.053%
347	21.801	21.792	21.809	VV	18162	180612	1.74%	0.045%
348	21.817	21.809	21.827	VV	18134	199891	1.93%	0.050%
349	21.848	21.827	21.881	VV	18138	560185	5.41%	0.140%
350	21.906	21.881	21.921	VV	17893	411735	3.97%	0.103%
351	21.935	21.921	22.060	VV	17967	1248975	12.05%	0.312%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2

Manual IntegrationsAPPROVED

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

rteres

352	22.071	22.060	22.081	VV	13685	171641	1.66%	0.043%
353	22.107	22.081	22.127	VV	14201	384987		
354	22.141	22.127	22.184	VV	14467	471495		
355	22.195	22.184	22.251	VV	13383	501264		
356	22.257	22.251	22.306	VV	11720	348375		
357	22.320	22.306	22.340	VV	9870	193554		
358	22.358	22.340	22.401	VBA	9837	441727	4.26%	0.110%

Sum of corrected areas: 400226812

Aliphatic EPH 110724.M Mon Nov 11 00:58:24 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.5	
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
FF014985.D	10	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	71.8		3.27	7.27	mg/kg
Aromatic C12-C16	Aromatic C12-C16	346	E	3.71	10.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1010	E	10.5	18.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	285		21.8	29.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	7.52		40 - 140	150%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	6.29		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.72		40 - 140	74%	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:	P4721-05	Acq On:	08 Nov 2024 22:14
Client Sample ID:	EX-11-TPH-2	Operator:	YP\AJ
Data file:	FF014985.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	15252397	98.677	200	ug/ml
Aromatic C12-C16	6.366	8.961	73098040	476.02	300	ug/ml
Aromatic C16-C21	8.962	13.378	197242549	1390	500	ug/ml
Aromatic C21-C36	13.379	18.826	54257267	393.052	800	ug/ml
Aromatic EPH	4.496	18.826	339850253	2360		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	1000942	7.52		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	560559	6.29		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	548277	3.72		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014985.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 22:14
Operator : YP\AJ
Sample : P4721-05 10X
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2

Manual Integrations APPROVED

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

Integration File: autoint1.e
Quant Time: Nov 09 00:29:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.993	1000942	7.521 ug/mlm
Spiked Amount 50.000		Recovery =	15.04%
6) S 2-Flurobiphenyl (SURR)	8.866	560559	6.285 ug/mlm
Spiked Amount 50.000	Range 0 - 131	Recovery =	12.57%
11) S ortho-Terphenyl (SURR)	11.931	548277	3.723 ug/mlm
Spiked Amount 50.000		Recovery =	7.45%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014985.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 22:14
Operator : YP\AJ
Sample : P4721-05 10X
Misc :
ALS Vial : 73 Sample Multiplier: 1

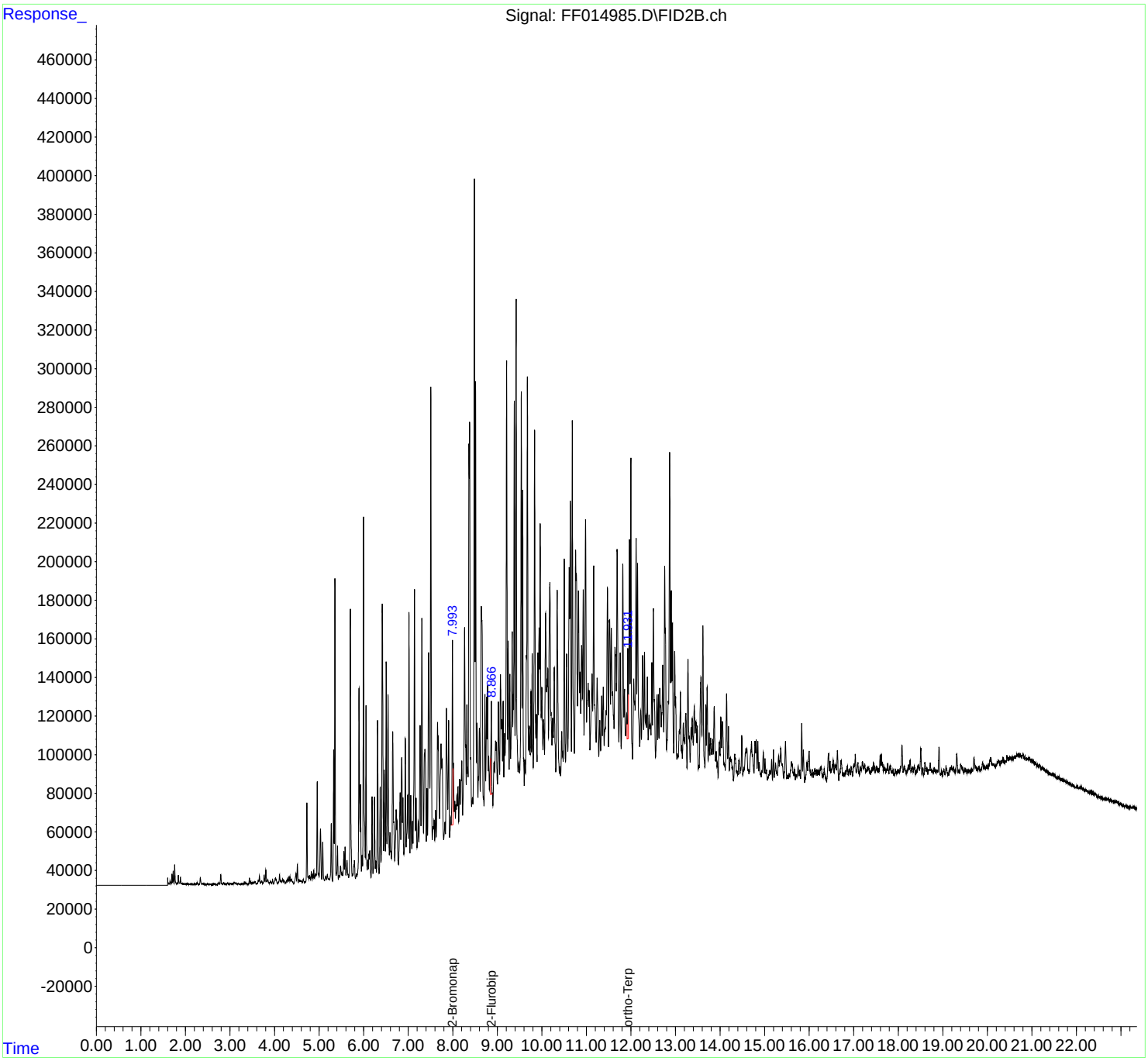
Integration File: autoint1.e
Quant Time: Nov 09 00:29:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

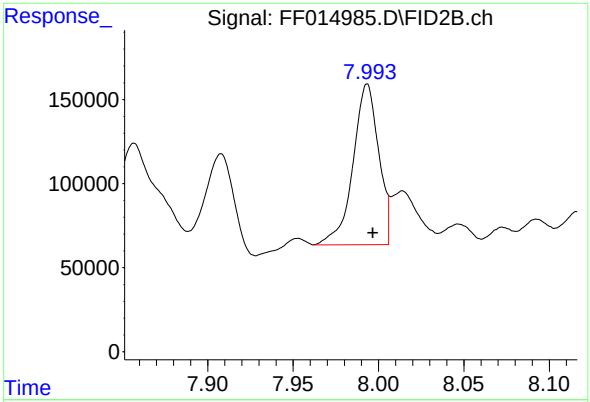
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2

Manual Integrations APPROVED

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





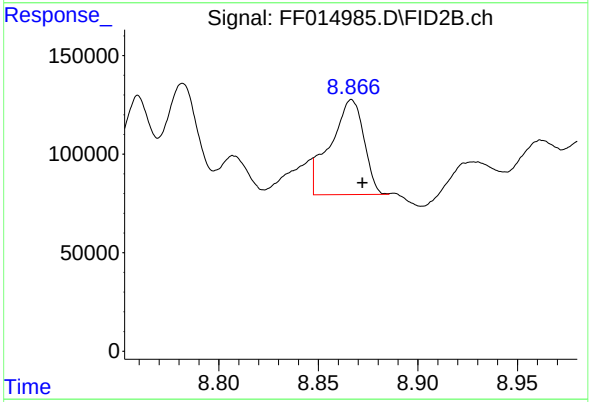
#4 2-Bromonaphthalene (SURR)

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 1000942
Conc: 7.52 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2

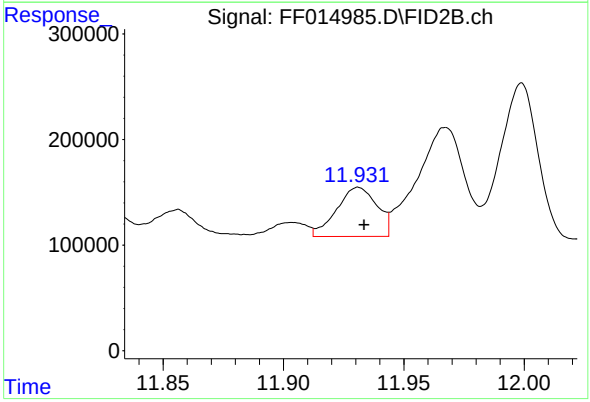
Manual Integrations
APPROVED

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



#6 2-Flurobiphenyl (SURR)

R.T.: 8.866 min
Delta R.T.: -0.006 min
Response: 560559
Conc: 6.29 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.003 min
Response: 548277
Conc: 3.72 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2

rteres

Area Percent

Manual IntegrationsAPPROVED

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

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Da
Data File : FF014985.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 22:14
Sample : P4721-05 10X
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.408	4.400	4.434	BV	316	1121	0.02%	0.000%
2	4.480	4.434	4.495	PV	5212	87784	1.83%	0.026%
3	4.512	4.495	4.542	VV	9652	115930	2.41%	0.034%
4	4.559	4.542	4.595	VV	1387	36683	0.76%	0.011%
5	4.608	4.595	4.627	VV	1178	13690	0.28%	0.004%
6	4.644	4.627	4.668	VV	1984	25707	0.53%	0.007%
7	4.726	4.668	4.770	VV	41401	464842	9.67%	0.136%
8	4.785	4.770	4.807	VV	3608	58381	1.21%	0.017%
9	4.827	4.807	4.841	VV	5520	68234	1.42%	0.020%
10	4.855	4.841	4.866	VV	4114	42462	0.88%	0.012%
11	4.880	4.866	4.897	VV	6281	74542	1.55%	0.022%
12	4.914	4.897	4.924	VV	3931	50741	1.06%	0.015%
13	4.959	4.924	4.980	VV	52001	583350	12.13%	0.170%
14	4.989	4.980	5.001	VV	4449	47250	0.98%	0.014%
15	5.031	5.001	5.060	VV	27322	435264	9.05%	0.127%
16	5.082	5.060	5.120	VV	20549	237841	4.95%	0.069%
17	5.148	5.120	5.167	VV	2370	42427	0.88%	0.012%
18	5.185	5.167	5.206	VV	3609	51280	1.07%	0.015%
19	5.215	5.206	5.229	VV	1366	15603	0.32%	0.005%
20	5.273	5.229	5.302	VV	29870	335035	6.97%	0.098%
21	5.327	5.302	5.340	PV	67898	654696	13.62%	0.191%
22	5.356	5.340	5.383	VV	156667	1567470	32.60%	0.457%
23	5.414	5.383	5.432	VV	18195	217888	4.53%	0.064%
24	5.448	5.432	5.462	VV	2764	37092	0.77%	0.011%
25	5.481	5.462	5.501	VV	7474	112118	2.33%	0.033%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2

rteres

Manual IntegrationsAPPROVED

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

26	5.511	5.501	5.524	VV	4127	46071	0.96%	0.013%
27	5.556	5.524	5.569	VV	15071			
28	5.584	5.569	5.602	VV	17246			
29	5.627	5.602	5.663	VV	10198			
30	5.701	5.663	5.743	VV	140062	1		
31	5.755	5.743	5.762	VV	2731	26862	0.56%	0.008%
32	5.793	5.762	5.815	VV	9824	174414	3.63%	0.051%
33	5.834	5.815	5.849	VV	2626	34945	0.73%	0.010%
34	5.896	5.849	5.918	VV	98578	1293102	26.90%	0.377%
35	5.930	5.918	5.949	VV	48620	511140	10.63%	0.149%
36	5.964	5.949	5.976	VV	12111	139195	2.90%	0.041%
37	5.997	5.976	6.036	VV	187049	2270165	47.22%	0.662%
38	6.053	6.036	6.081	VV	89119	942107	19.60%	0.275%
39	6.095	6.081	6.106	VV	9427	102651	2.14%	0.030%
40	6.120	6.106	6.128	VV	12575	127580	2.65%	0.037%
41	6.138	6.128	6.164	VV	14226	170992	3.56%	0.050%
42	6.189	6.164	6.209	PV	41977	430225	8.95%	0.125%
43	6.244	6.209	6.262	VV	41728	512220	10.65%	0.149%
44	6.272	6.262	6.287	VV	8407	89018	1.85%	0.026%
45	6.313	6.287	6.347	VV	80726	931346	19.37%	0.272%
46	6.371	6.347	6.390	VV	46542	505301	10.51%	0.147%
47	6.417	6.390	6.447	VV	140562	2253628	46.87%	0.657%
48	6.462	6.447	6.487	VV	54793	748136	15.56%	0.218%
49	6.505	6.487	6.522	VV	110414	1153847	24.00%	0.336%
50	6.547	6.522	6.577	VV	93327	1341239	27.90%	0.391%
51	6.591	6.577	6.622	VV	21763	377119	7.84%	0.110%
52	6.652	6.622	6.697	VV	73571	1383869	28.78%	0.404%
53	6.729	6.697	6.740	VV	32865	519415	10.80%	0.151%
54	6.750	6.740	6.781	VV	27085	392003	8.15%	0.114%
55	6.819	6.781	6.834	VV	41368	740024	15.39%	0.216%
56	6.855	6.834	6.870	VV	59291	931123	19.37%	0.272%
57	6.881	6.870	6.901	VV	38646	468341	9.74%	0.137%
58	6.935	6.901	6.953	VV	68845	955616	19.88%	0.279%
59	6.986	6.953	7.000	VV	39454	692673	14.41%	0.202%
60	7.018	7.000	7.038	VV	133940	1425144	29.64%	0.416%
61	7.057	7.038	7.081	VV	38924	584688	12.16%	0.171%
62	7.096	7.081	7.107	VV	25298	284139	5.91%	0.083%
63	7.140	7.107	7.163	VV	145182	2026138	42.14%	0.591%
64	7.177	7.163	7.197	VV	37126	514601	10.70%	0.150%
65	7.224	7.197	7.239	VV	24774	441587	9.18%	0.129%
66	7.267	7.239	7.287	VV	74296	1227228	25.53%	0.358%
67	7.307	7.287	7.343	VV	129823	2107018	43.82%	0.614%
68	7.364	7.343	7.368	VV	59472	628147	13.07%	0.183%
69	7.375	7.368	7.406	VV	61407	1040399	21.64%	0.303%

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70	7.420	7.406	7.435	VV	41124	485078	10.09%	0.141%

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71	7.456	7.435	7.487	VV	111140	2(		
72	7.507	7.487	7.540	VV	248451	3[illegible]		
73	7.559	7.540	7.567	VV	20768	[illegible]		
74	7.580	7.567	7.595	VV	23986	[illegible]		
75	7.612	7.595	7.628	VV	28915	419211	8.72%	0.122%
76	7.658	7.628	7.668	VV	74160	1038780	21.61%	0.303%
77	7.675	7.668	7.705	VV	67371	1026441	21.35%	0.299%
78	7.736	7.705	7.752	VV	62742	1365283	28.40%	0.398%
79	7.763	7.752	7.796	VV	54627	917889	19.09%	0.268%
80	7.824	7.796	7.836	VV	21829	422490	8.79%	0.123%
81	7.857	7.836	7.889	VV	80715	1548566	32.21%	0.452%
82	7.908	7.889	7.929	VV	74222	1055869	21.96%	0.308%
83	7.953	7.929	7.962	VV	23675	386095	8.03%	0.113%
84	7.993	7.962	8.008	VV	115578	1579687	32.86%	0.461%
85	8.014	8.008	8.035	VV	51717	648118	13.48%	0.189%
86	8.047	8.035	8.060	VV	31746	429776	8.94%	0.125%
87	8.073	8.060	8.080	VV	29834	325351	6.77%	0.095%
88	8.093	8.080	8.103	VV	34490	433005	9.01%	0.126%
89	8.117	8.103	8.135	VV	38918	588316	12.24%	0.172%
90	8.152	8.135	8.168	VV	42628	665231	13.84%	0.194%
91	8.203	8.168	8.222	VV	51989	1263580	26.28%	0.368%
92	8.266	8.222	8.285	VV	120503	2436985	50.69%	0.711%
93	8.290	8.285	8.303	VV	59862	540910	11.25%	0.158%
94	8.317	8.303	8.331	VV	80489	1019392	21.20%	0.297%
95	8.337	8.331	8.344	VV	48156	374588	7.79%	0.109%
96	8.365	8.344	8.371	VV	215005	2242629	46.65%	0.654%
97	8.379	8.371	8.423	VV	226861	3058842	63.62%	0.892%
98	8.442	8.423	8.454	VV	31985	558100	11.61%	0.163%
99	8.487	8.454	8.501	VV	352617	4592340	95.52%	1.339%
100	8.513	8.501	8.533	VV	246633	2720305	56.58%	0.793%
101	8.546	8.533	8.566	VV	70109	1088596	22.64%	0.317%
102	8.577	8.566	8.582	VV	42223	383118	7.97%	0.112%
103	8.598	8.582	8.617	VV	67070	1061104	22.07%	0.309%
104	8.641	8.617	8.702	VV	130129	3879385	80.69%	1.131%
105	8.723	8.702	8.740	VV	83951	1240667	25.81%	0.362%
106	8.760	8.740	8.770	VV	82614	1117644	23.25%	0.326%
107	8.782	8.770	8.798	VV	88591	1181044	24.56%	0.344%
108	8.807	8.798	8.823	VV	51836	668283	13.90%	0.195%
109	8.867	8.823	8.902	VV	79999	2203301	45.83%	0.643%
110	8.928	8.902	8.944	VV	48023	1015150	21.11%	0.296%
111	8.962	8.944	8.973	VV	58978	925434	19.25%	0.270%
112	8.981	8.973	9.005	VV	58395	926663	19.27%	0.270%

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113	9.025	9.005	9.054	VV	78872	1641788	34.15%	0.479%
114	9.072	9.054	9.095	VV	92910	1		
115	9.103	9.095	9.117	VV	69659			
116	9.132	9.117	9.147	VV	78904	1		
117	9.161	9.147	9.175	VV	62195			
118	9.210	9.175	9.230	VV	254539	4050247	84.24%	1.181%
119	9.244	9.230	9.266	VV	109372	1666759	34.67%	0.486%
120	9.282	9.266	9.300	VV	92194	1351019	28.10%	0.394%
121	9.334	9.300	9.348	VV	113957	2205239	45.87%	0.643%
122	9.358	9.348	9.364	VV	81257	708830	14.74%	0.207%
123	9.382	9.364	9.399	VV	233484	2874181	59.78%	0.838%
124	9.423	9.399	9.466	VV	286392	4538661	94.40%	1.324%
125	9.485	9.466	9.502	VV	45643	942749	19.61%	0.275%
126	9.539	9.502	9.555	VV	237238	3571885	74.29%	1.042%
127	9.570	9.555	9.605	VV	186367	2647815	55.07%	0.772%
128	9.619	9.605	9.632	VV	46476	663995	13.81%	0.194%
129	9.676	9.632	9.705	VV	244826	4807843	100.00%	1.402%
130	9.719	9.705	9.736	VV	63587	1041297	21.66%	0.304%
131	9.756	9.736	9.769	VV	81382	1255297	26.11%	0.366%
132	9.784	9.769	9.806	VV	100673	1523726	31.69%	0.444%
133	9.838	9.806	9.865	VV	216005	3789150	78.81%	1.105%
134	9.878	9.865	9.891	VV	68931	925924	19.26%	0.270%
135	9.909	9.891	9.923	VV	100649	1450605	30.17%	0.423%
136	9.938	9.923	9.948	VV	113537	1469189	30.56%	0.428%
137	9.963	9.948	9.985	VV	167238	2524403	52.51%	0.736%
138	10.000	9.985	10.024	VV	82171	1615356	33.60%	0.471%
139	10.040	10.024	10.060	VV	65027	1240094	25.79%	0.362%
140	10.083	10.060	10.105	VV	120515	2458173	51.13%	0.717%
141	10.116	10.105	10.123	VV	85286	873030	18.16%	0.255%
142	10.133	10.123	10.150	VV	91577	1257978	26.17%	0.367%
143	10.180	10.150	10.226	VV	135918	4095207	85.18%	1.194%
144	10.243	10.226	10.257	VV	65319	1110029	23.09%	0.324%
145	10.278	10.257	10.313	VV	91077	2117779	44.05%	0.618%
146	10.344	10.313	10.391	VV	131264	3306554	68.77%	0.964%
147	10.404	10.391	10.419	VV	39335	618967	12.87%	0.181%
148	10.446	10.419	10.459	VV	57638	1135450	23.62%	0.331%
149	10.467	10.459	10.479	VV	46624	518363	10.78%	0.151%
150	10.503	10.479	10.532	VV	146602	2460525	51.18%	0.718%
151	10.556	10.532	10.583	VV	97372	2055621	42.76%	0.599%
152	10.613	10.583	10.625	VV	141970	2401430	49.95%	0.700%
153	10.639	10.625	10.663	VV	175844	2745234	57.10%	0.801%
154	10.683	10.663	10.730	VV	217537	3961472	82.40%	1.155%
155	10.758	10.730	10.768	VV	150407	2359958	49.09%	0.688%

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156	10.774	10.768	10.799	VV	138162	2045193	42.54%	0.596%
157	10.822	10.799	10.846	VV	128703	2		
158	10.858	10.846	10.872	VV	86558	1		
159	10.892	10.872	10.910	VV	100068	1		
160	10.929	10.910	10.947	VV	128919	2		
161	10.981	10.947	11.004	VV	165016	3668374	76.30%	1.070%
162	11.038	11.004	11.053	VV	80252	2099071	43.66%	0.612%
163	11.063	11.053	11.080	VV	76153	1038567	21.60%	0.303%
164	11.126	11.080	11.140	VV	84403	2419604	50.33%	0.706%
165	11.163	11.140	11.219	VV	140584	3768545	78.38%	1.099%
166	11.240	11.219	11.278	VV	81870	2181883	45.38%	0.636%
167	11.301	11.278	11.321	VV	59602	1307998	27.21%	0.381%
168	11.343	11.321	11.361	VV	72031	1425937	29.66%	0.416%
169	11.379	11.361	11.398	VV	76570	1406940	29.26%	0.410%
170	11.442	11.398	11.448	VV	64044	1670903	34.75%	0.487%
171	11.474	11.448	11.495	VV	127204	2508464	52.17%	0.732%
172	11.522	11.495	11.542	VV	111027	2502813	52.06%	0.730%
173	11.559	11.542	11.584	VV	106271	2194701	45.65%	0.640%
174	11.590	11.584	11.620	VV	73042	1395749	29.03%	0.407%
175	11.643	11.620	11.670	VV	95947	2455227	51.07%	0.716%
176	11.690	11.670	11.728	VV	145853	3345603	69.59%	0.976%
177	11.758	11.728	11.781	VV	92817	2080835	43.28%	0.607%
178	11.817	11.781	11.840	VV	138445	2953425	61.43%	0.861%
179	11.856	11.840	11.885	VV	73049	1598270	33.24%	0.466%
180	11.904	11.885	11.913	VV	60776	960287	19.97%	0.280%
181	11.931	11.913	11.944	VV	94006	1394573	29.01%	0.407%
182	11.967	11.944	11.982	VV	150501	2496944	51.93%	0.728%
183	11.999	11.982	12.035	VV	192602	2993785	62.27%	0.873%
184	12.063	12.035	12.080	VV	77911	1646380	34.24%	0.480%
185	12.084	12.080	12.094	VV	66271	541461	11.26%	0.158%
186	12.116	12.094	12.132	VV	150638	2288304	47.60%	0.667%
187	12.149	12.132	12.199	VV	137323	3120792	64.91%	0.910%
188	12.219	12.199	12.237	VV	60809	1187800	24.71%	0.346%
189	12.262	12.237	12.286	VV	89000	2032031	42.26%	0.593%
190	12.306	12.286	12.324	VV	90706	1541179	32.06%	0.449%
191	12.336	12.324	12.351	VV	57718	912907	18.99%	0.266%
192	12.369	12.351	12.387	VV	77501	1310847	27.26%	0.382%
193	12.407	12.387	12.424	VV	57703	1134571	23.60%	0.331%
194	12.434	12.424	12.450	VV	52362	800813	16.66%	0.234%
195	12.469	12.450	12.483	VV	84716	1317579	27.40%	0.384%
196	12.504	12.483	12.553	VV	112185	2926243	60.86%	0.853%
197	12.585	12.553	12.600	VV	67001	1448357	30.12%	0.422%
198	12.616	12.600	12.631	VV	67470	1017160	21.16%	0.297%
199	12.647	12.631	12.680	VV	70502	1762920	36.67%	0.514%

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200	12.713	12.680	12.737	VV	82432	2102176	43.72%	0.613%
201	12.759	12.737	12.798	VV	133148	3[illegible]		
202	12.840	12.798	12.845	VV	62898	1[illegible]		
203	12.869	12.845	12.889	VV	191524	3[illegible]		
204	12.905	12.889	12.920	VV	119810	1[illegible]		
205	12.933	12.920	12.960	VV	103047	1667110	34.67%	0.486%
206	12.983	12.960	12.997	VV	88134	1401938	29.16%	0.409%
207	13.004	12.997	13.032	VV	64624	1011677	21.04%	0.295%
208	13.041	13.032	13.054	VV	34986	442612	9.21%	0.129%
209	13.085	13.054	13.094	VV	46780	952907	19.82%	0.278%
210	13.111	13.094	13.130	VV	66537	1145665	23.83%	0.334%
211	13.141	13.130	13.155	VV	39018	539099	11.21%	0.157%
212	13.177	13.155	13.192	VV	50240	944476	19.64%	0.275%
213	13.197	13.192	13.212	VV	42609	496634	10.33%	0.145%
214	13.233	13.212	13.257	VV	55100	1233081	25.65%	0.360%
215	13.280	13.257	13.329	VV	82911	2076293	43.19%	0.605%
216	13.351	13.329	13.360	VV	47272	746130	15.52%	0.218%
217	13.375	13.360	13.400	VV	51821	1071901	22.29%	0.313%
218	13.421	13.400	13.442	VV	57916	1236706	25.72%	0.361%
219	13.457	13.442	13.479	VV	49798	1012576	21.06%	0.295%
220	13.491	13.479	13.511	VV	46910	746455	15.53%	0.218%
221	13.522	13.511	13.530	VV	26829	291938	6.07%	0.085%
222	13.571	13.530	13.594	VV	72128	1983092	41.25%	0.578%
223	13.616	13.594	13.660	VV	98980	2068131	43.02%	0.603%
224	13.679	13.660	13.693	VV	57705	854013	17.76%	0.249%
225	13.710	13.693	13.734	VV	66707	1184896	24.65%	0.346%
226	13.756	13.734	13.772	VV	42470	817240	17.00%	0.238%
227	13.788	13.772	13.813	VV	39688	848380	17.65%	0.247%
228	13.833	13.813	13.848	VV	38850	738068	15.35%	0.215%
229	13.869	13.848	13.895	VV	56040	1184335	24.63%	0.345%
230	13.916	13.895	13.930	VV	32438	604186	12.57%	0.176%
231	13.941	13.930	13.955	VV	26345	353963	7.36%	0.103%
232	13.981	13.955	13.997	VV	36919	755456	15.71%	0.220%
233	14.018	13.997	14.033	VV	49960	864733	17.99%	0.252%
234	14.051	14.033	14.116	VV	47295	1663509	34.60%	0.485%
235	14.147	14.116	14.171	VV	61369	1315074	27.35%	0.384%
236	14.188	14.171	14.209	VV	44268	742839	15.45%	0.217%
237	14.227	14.209	14.244	VV	27839	532175	11.07%	0.155%
238	14.252	14.244	14.274	VV	27052	449091	9.34%	0.131%
239	14.278	14.274	14.302	VV	22533	323173	6.72%	0.094%
240	14.330	14.302	14.339	VV	29365	531221	11.05%	0.155%
241	14.344	14.339	14.374	VV	27073	486501	10.12%	0.142%
242	14.379	14.374	14.394	VV	20300	233855	4.86%	0.068%

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243	14.427	14.394	14.448	VV	25782	715832	14.89%	0.209%
244	14.458	14.448	14.465	VV	21122			
245	14.487	14.465	14.514	VV	38118			
246	14.535	14.514	14.540	VV	20688			
247	14.580	14.540	14.595	VV	30797			
248	14.602	14.595	14.650	VV	31070	752230	15.65%	0.219%
249	14.707	14.650	14.722	VV	34164	1147364	23.86%	0.335%
250	14.730	14.722	14.762	VV	27404	538677	11.20%	0.157%
251	14.785	14.762	14.799	VV	33992	614160	12.77%	0.179%
252	14.812	14.799	14.831	VV	34606	542609	11.29%	0.158%
253	14.848	14.831	14.866	VV	33696	547180	11.38%	0.160%
254	14.878	14.866	14.904	VV	22537	440147	9.15%	0.128%
255	14.909	14.904	14.923	VV	16886	180879	3.76%	0.053%
256	14.971	14.923	14.995	VV	27542	872202	18.14%	0.254%
257	15.010	14.995	15.030	VV	23986	419003	8.71%	0.122%
258	15.042	15.030	15.060	VV	17678	289136	6.01%	0.084%
259	15.133	15.060	15.141	VV	16741	736106	15.31%	0.215%
260	15.157	15.141	15.177	VV	22841	393625	8.19%	0.115%
261	15.199	15.177	15.217	VV	27784	458203	9.53%	0.134%
262	15.245	15.217	15.274	VV	20346	580747	12.08%	0.169%
263	15.276	15.274	15.289	VV	15154	132037	2.75%	0.039%
264	15.315	15.289	15.332	VV	24192	523800	10.89%	0.153%
265	15.362	15.332	15.394	VV	27973	831750	17.30%	0.243%
266	15.398	15.394	15.425	VV	19640	313282	6.52%	0.091%
267	15.469	15.425	15.500	VV	30984	857860	17.84%	0.250%
268	15.512	15.500	15.529	VV	12965	214696	4.47%	0.063%
269	15.552	15.529	15.565	VV	13732	278793	5.80%	0.081%
270	15.603	15.565	15.617	VV	19626	513199	10.67%	0.150%
271	15.622	15.617	15.660	VV	18431	393830	8.19%	0.115%
272	15.673	15.660	15.690	VV	15638	239455	4.98%	0.070%
273	15.709	15.690	15.720	VV	12687	214267	4.46%	0.062%
274	15.725	15.720	15.730	VV	12231	68836	1.43%	0.020%
275	15.752	15.730	15.774	VV	16967	369873	7.69%	0.108%
276	15.788	15.774	15.809	VV	14530	265857	5.53%	0.078%
277	15.834	15.809	15.854	VV	38741	635799	13.22%	0.185%
278	15.870	15.854	15.900	VV	24544	454850	9.46%	0.133%
279	15.950	15.900	15.968	VV	17983	536227	11.15%	0.156%
280	16.000	15.968	16.049	VV	23767	783776	16.30%	0.229%
281	16.071	16.049	16.091	VV	13616	297688	6.19%	0.087%
282	16.126	16.091	16.150	VV	14033	428267	8.91%	0.125%
283	16.167	16.150	16.179	VV	13401	206036	4.29%	0.060%
284	16.195	16.179	16.210	VV	12848	223735	4.65%	0.065%
285	16.223	16.210	16.238	VV	12807	190294	3.96%	0.055%

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286	16.256	16.238	16.265	VV	14365	209122	4.35%	0.061%
287	16.270	16.265	16.298	VV	14499			
288	16.308	16.298	16.315	VV	10228			
289	16.339	16.315	16.393	VV	12751			
290	16.434	16.393	16.456	VV	20539			
291	16.471	16.456	16.485	VV	16474	236762	4.92%	0.069%
292	16.538	16.485	16.562	VV	16713	594243	12.36%	0.173%
293	16.579	16.562	16.593	VV	14261	233288	4.85%	0.068%
294	16.597	16.593	16.609	VV	13515	122007	2.54%	0.036%
295	16.636	16.609	16.667	VV	20767	467318	9.72%	0.136%
296	16.689	16.667	16.697	VV	10650	157190	3.27%	0.046%
297	16.718	16.697	16.751	VV	15822	403158	8.39%	0.118%
298	16.758	16.751	16.761	VV	8317	45979	0.96%	0.013%
299	16.769	16.761	16.784	VV	8719	109560	2.28%	0.032%
300	16.797	16.784	16.804	VV	8532	96552	2.01%	0.028%
301	16.819	16.804	16.832	VV	10287	153306	3.19%	0.045%
302	16.859	16.832	16.875	VV	12089	270961	5.64%	0.079%
303	16.903	16.875	16.922	VV	10620	257126	5.35%	0.075%
304	16.948	16.922	16.972	VV	11535	277588	5.77%	0.081%
305	17.011	16.972	17.020	VV	12726	292773	6.09%	0.085%
306	17.037	17.020	17.057	VV	17567	279852	5.82%	0.082%
307	17.094	17.057	17.130	VV	13053	413848	8.61%	0.121%
308	17.148	17.130	17.169	VV	10654	209571	4.36%	0.061%
309	17.197	17.169	17.230	VV	13045	390940	8.13%	0.114%
310	17.249	17.230	17.268	VV	11817	223873	4.66%	0.065%
311	17.276	17.268	17.284	VV	8226	76098	1.58%	0.022%
312	17.288	17.284	17.294	VV	8237	43986	0.91%	0.013%
313	17.301	17.294	17.318	VV	9124	127949	2.66%	0.037%
314	17.333	17.318	17.374	VV	9445	264280	5.50%	0.077%
315	17.379	17.374	17.383	VV	6790	33573	0.70%	0.010%
316	17.410	17.383	17.422	VV	8973	180380	3.75%	0.053%
317	17.443	17.422	17.480	VV	11020	314620	6.54%	0.092%
318	17.509	17.480	17.528	VV	9397	223312	4.64%	0.065%
319	17.550	17.528	17.570	VV	8000	177953	3.70%	0.052%
320	17.594	17.570	17.606	VV	14952	234605	4.88%	0.068%
321	17.622	17.606	17.638	VV	14568	225875	4.70%	0.066%
322	17.647	17.638	17.666	VV	10916	148058	3.08%	0.043%
323	17.681	17.666	17.695	VV	8344	130772	2.72%	0.038%
324	17.707	17.695	17.725	VV	7312	117494	2.44%	0.034%
325	17.739	17.725	17.745	VV	6759	74143	1.54%	0.022%
326	17.765	17.745	17.787	VV	9709	185576	3.86%	0.054%
327	17.807	17.787	17.812	VV	7486	90704	1.89%	0.026%
328	17.824	17.812	17.845	VV	8495	135179	2.81%	0.039%
329	17.853	17.845	17.869	VV	5177	67007	1.39%	0.020%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2

Manual IntegrationsAPPROVED

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

rteres

330	17.883	17.869	17.902	VV	5821	93191	1.94%	0.027%
331	17.938	17.902	17.962	VV	5917			
332	17.987	17.962	17.993	VV	5412			
333	17.995	17.993	17.999	VV	4755			
334	18.007	17.999	18.024	VV	5491			
335	18.085	18.024	18.119	VV	17796	454990	9.46%	0.133%
336	18.134	18.119	18.173	VV	6792	169898	3.53%	0.050%
337	18.234	18.173	18.247	VV	6986	197044	4.10%	0.057%
338	18.271	18.247	18.290	VV	9388	166857	3.47%	0.049%
339	18.301	18.290	18.305	VV	4884	34472	0.72%	0.010%
340	18.315	18.305	18.337	VV	5371	89190	1.86%	0.026%
341	18.358	18.337	18.392	VV	5779	125863	2.62%	0.037%
342	18.404	18.392	18.419	VV	3089	40846	0.85%	0.012%
343	18.446	18.419	18.454	VV	5836	94082	1.96%	0.027%
344	18.457	18.454	18.477	VV	5400	60860	1.27%	0.018%
345	18.506	18.477	18.533	VV	14335	231926	4.82%	0.068%
346	18.549	18.533	18.570	VV	3886	46579	0.97%	0.014%
347	18.603	18.570	18.625	PV	6427	102879	2.14%	0.030%
348	18.639	18.625	18.663	VV	3825	50340	1.05%	0.015%
349	18.687	18.663	18.695	VV	2705	31508	0.66%	0.009%
350	18.719	18.695	18.740	VV	5803	86774	1.80%	0.025%
351	18.745	18.740	18.786	VV	1929	33429	0.70%	0.010%

Sum of corrected areas: 342913420

Aromatic EPH 110724.M Sat Nov 09 05:42:16 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-2DL		SDG No.:	P4721	
Lab Sample ID:	P4721-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.5	
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
FE051144.D	50	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	145		20.7	54.6	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	714		13.1	36.4	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	720		16.4	54.6	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	106		43.6	72.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	187		98.2	109	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:	P4721-05DL	Acq On:	11 Nov 2024 12:42
Client Sample ID:	EX-11-TPH-2DL	Operator:	YP\AJ
Data file:	FE051144.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	5582760	39.901	300	ug/ml
Aliphatic C12-C16	6.761	10.193	27614965	196.358	200	ug/ml
Aliphatic C16-C21	10.194	13.553	27281340	198.024	300	ug/ml
Aliphatic C21-C28	13.554	17.209	3918000	29.249	400	ug/ml
Aliphatic C28-C40	17.210	22.059	6641608	51.586	600	ug/ml
Aliphatic EPH	3.140	22.059	71038673	515.119		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	3.140	17.209	64397065	463.532	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051144.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 12:42
Operator : YP\AJ
Sample : P4721-05DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2DL

Integration File: autoint1.e
Quant Time: Nov 11 20:47:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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

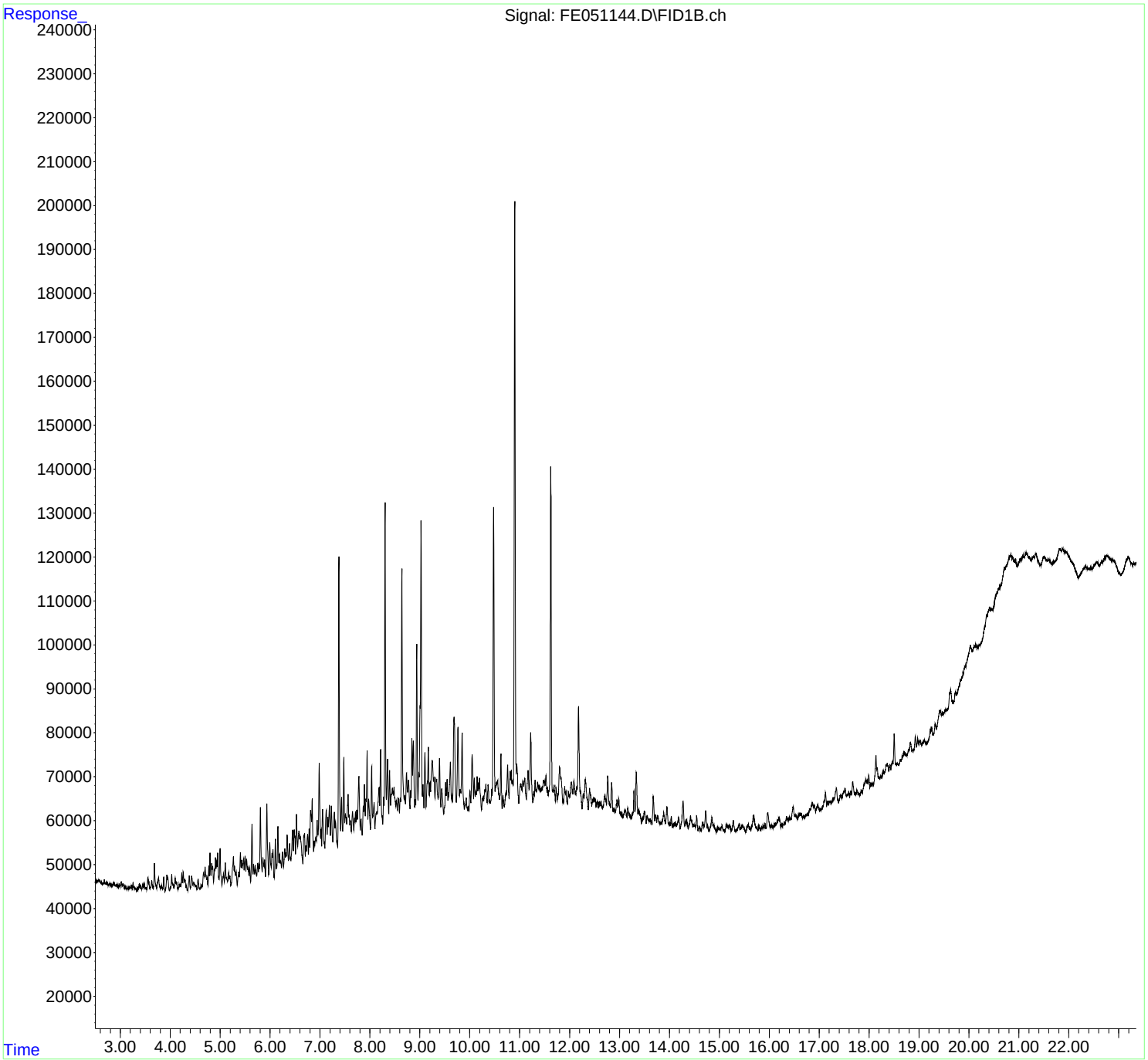
(f)=RT Delta > 1/2 Window (m)=manual int.

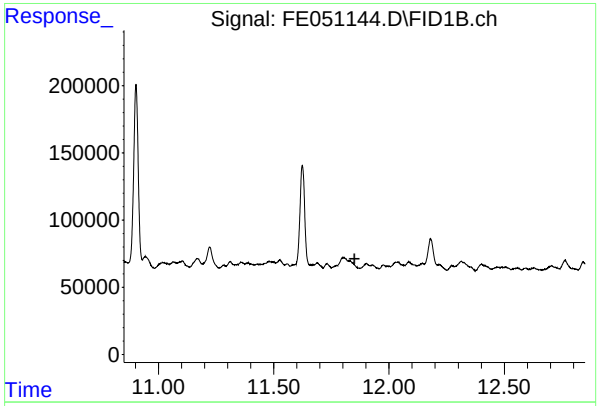
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051144.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 12:42
Operator : YP\AJ
Sample : P4721-05DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2DL

Integration File: autoint1.e
Quant Time: Nov 11 20:47:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

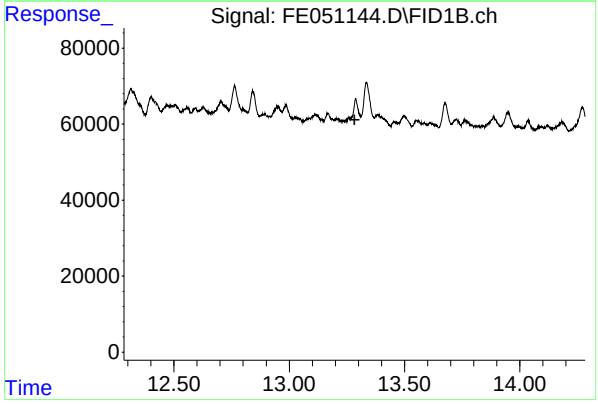




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-2DL



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.283 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051144.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 12:42
Sample : P4721-05DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.518	3.504	3.531	BV	342	2491	0.11%	0.004%
2	3.551	3.531	3.594	PV	2761	50028	2.17%	0.070%
3	3.629	3.594	3.664	VV	2144	38989	1.69%	0.055%
4	3.683	3.664	3.726	VV	5947	85240	3.70%	0.120%
5	3.765	3.726	3.801	VV	2928	66921	2.90%	0.094%
6	3.822	3.801	3.850	VV	1082	20668	0.90%	0.029%
7	3.869	3.850	3.896	VV	3024	30964	1.34%	0.044%
8	3.932	3.896	3.981	PV	3457	80215	3.48%	0.113%
9	4.030	3.981	4.076	VV	3672	71005	3.08%	0.100%
10	4.099	4.076	4.119	VV	2833	46695	2.03%	0.066%
11	4.129	4.119	4.157	VV	1826	23398	1.02%	0.033%
12	4.179	4.157	4.191	VV	1397	17548	0.76%	0.025%
13	4.202	4.191	4.213	VV	1297	14807	0.64%	0.021%
14	4.231	4.213	4.244	VV	3891	44306	1.92%	0.062%
15	4.260	4.244	4.276	VV	4244	55533	2.41%	0.078%
16	4.294	4.276	4.348	VV	2480	56508	2.45%	0.080%
17	4.381	4.348	4.404	PV	3293	47572	2.07%	0.067%
18	4.429	4.404	4.455	VV	3089	54898	2.38%	0.077%
19	4.471	4.455	4.512	VV	1679	41301	1.79%	0.058%
20	4.520	4.512	4.537	VV	849	7896	0.34%	0.011%
21	4.559	4.537	4.601	VV	2251	30221	1.31%	0.043%
22	4.619	4.601	4.631	VV	772	8853	0.38%	0.012%
23	4.667	4.631	4.683	VV	3515	62943	2.73%	0.089%
24	4.699	4.683	4.731	VV	4830	95173	4.13%	0.134%
25	4.740	4.731	4.755	VV	2416	25942	1.13%	0.037%
26	4.772	4.755	4.783	VV	5074	51313	2.23%	0.072%
27	4.797	4.783	4.815	VV	7888	97329	4.22%	0.137%
28	4.831	4.815	4.843	VV	5559	76065	3.30%	0.107%
29	4.850	4.843	4.868	VV	4910	53683	2.33%	0.076%
30	4.907	4.868	4.918	VV	6829	122520	5.32%	0.172%
31	4.929	4.918	4.939	VV	6003	64742	2.81%	0.091%
32	4.951	4.939	4.977	VV	7758	105564	4.58%	0.149%
33	4.998	4.977	5.036	VV	8735	132270	5.74%	0.186%
34	5.068	5.036	5.084	VV	3033	53987	2.34%	0.076%
35	5.103	5.084	5.146	VV	5375	96284	4.18%	0.136%
36	5.171	5.146	5.184	VV	3105	44641	1.94%	0.063%

37	5.195	5.184	5.218	VV	2275	27829	1.21%	0.039%
38	5.265	5.218	5.304	VV	6624	178748	7.76%	0.252%
39	5.320	5.304	5.342	VV	3029	45341	1.97%	0.064%
40	5.373	5.342	5.384	PV	2902	45183	1.96%	0.064%
41	5.406	5.384	5.442	VV	7278	161935	7.03%	0.228%
42	5.468	5.442	5.481	VV	5677	105448	4.58%	0.148%
43	5.499	5.481	5.516	VV	6160	99312	4.31%	0.140%
44	5.531	5.516	5.579	VV	5403	136591	5.93%	0.192%
45	5.592	5.579	5.610	VV	3439	38301	1.66%	0.054%
46	5.638	5.610	5.658	VV	13296	164327	7.13%	0.231%
47	5.670	5.658	5.686	VV	4022	49037	2.13%	0.069%
48	5.702	5.686	5.732	VV	3660	64321	2.79%	0.091%
49	5.754	5.732	5.767	VV	4089	57640	2.50%	0.081%
50	5.779	5.767	5.786	VV	3623	34348	1.49%	0.048%
51	5.807	5.786	5.841	VV	16560	248730	10.80%	0.350%
52	5.858	5.841	5.878	VV	4997	80973	3.51%	0.114%
53	5.890	5.878	5.908	VV	4520	53258	2.31%	0.075%
54	5.936	5.908	5.973	VV	16997	277409	12.04%	0.391%
55	5.995	5.973	6.023	VV	8126	129666	5.63%	0.183%
56	6.039	6.023	6.047	VV	5674	61445	2.67%	0.086%
57	6.058	6.047	6.083	VV	6364	74053	3.21%	0.104%
58	6.107	6.083	6.124	PV	7987	83031	3.60%	0.117%
59	6.157	6.124	6.177	VV	9424	119207	5.17%	0.168%
60	6.189	6.177	6.201	VBA	2320	25676	1.11%	0.036%
61	6.249	6.201	6.270	BV	2921	28797	1.25%	0.041%
62	6.296	6.270	6.309	PV	3971	53451	2.32%	0.075%
63	6.318	6.309	6.326	VV	3048	26242	1.14%	0.037%
64	6.343	6.326	6.368	VV	7035	100987	4.38%	0.142%
65	6.390	6.368	6.411	VV	5168	79792	3.46%	0.112%
66	6.451	6.411	6.468	VV	8189	149786	6.50%	0.211%
67	6.483	6.468	6.511	VV	8065	152044	6.60%	0.214%
68	6.529	6.511	6.554	VV	11575	185847	8.07%	0.262%
69	6.605	6.593	6.656	VV	6586	155885	6.77%	0.219%
70	6.690	6.656	6.707	VV	7268	143600	6.23%	0.202%
71	6.719	6.707	6.728	VV	4344	44106	1.91%	0.062%
72	6.752	6.728	6.769	VV	6863	121901	5.29%	0.172%
73	6.783	6.769	6.795	VV	8158	86728	3.76%	0.122%
74	6.812	6.795	6.831	VV	12357	217302	9.43%	0.306%
75	6.844	6.831	6.872	VV	14928	219544	9.53%	0.309%
76	6.886	6.872	6.895	VV	5349	60153	2.61%	0.085%
77	6.918	6.895	6.927	VV	6196	103697	4.50%	0.146%
78	6.944	6.927	6.961	VV	9939	158431	6.88%	0.223%
79	6.985	6.961	7.034	VV	23000	480688	20.87%	0.677%
80	7.052	7.034	7.097	VV	12375	278116	12.07%	0.391%
81	7.125	7.097	7.144	VV	12094	240087	10.42%	0.338%
82	7.158	7.144	7.169	VV	10471	130272	5.65%	0.183%
83	7.189	7.169	7.209	VV	13016	241001	10.46%	0.339%
84	7.287	7.258	7.302	VV	11473	220348	9.56%	0.310%
85	7.312	7.302	7.352	VV	9293	194704	8.45%	0.274%
86	7.379	7.352	7.414	VV	69377	954475	41.43%	1.344%
87	7.433	7.414	7.455	VV	14759	259675	11.27%	0.366%
88	7.478	7.455	7.497	VV	23825	356947	15.49%	0.502%
89	7.564	7.535	7.598	VV	15402	435762	18.92%	0.613%

90	7.653	7.627	7.678	VV	11315	278545	12.09%	0.392%
91	7.711	7.678	7.724	VV	11218	260513	11.31%	0.367%
92	7.737	7.724	7.751	VV	11598	168813	7.33%	0.238%
93	7.779	7.751	7.808	VV	19127	457803	19.87%	0.644%
94	7.823	7.808	7.846	VV	9413	176680	7.67%	0.249%
95	7.891	7.846	7.907	VV	17300	426772	18.53%	0.601%
96	7.945	7.907	7.962	VV	25007	514211	22.32%	0.724%
97	7.976	7.962	8.011	VV	13940	321052	13.94%	0.452%
98	8.036	8.011	8.054	VV	21261	351402	15.25%	0.495%
99	8.183	8.102	8.197	VV	16426	677791	29.42%	0.954%
100	8.215	8.197	8.257	VV	24940	529960	23.00%	0.746%
101	8.305	8.257	8.331	VV	80937	1240130	53.83%	1.746%
102	8.354	8.331	8.377	VV	22722	470003	20.40%	0.662%
103	8.395	8.377	8.415	VV	19984	348044	15.11%	0.490%
104	8.451	8.415	8.470	VV	16002	485052	21.06%	0.683%
105	8.483	8.470	8.518	VV	16090	404474	17.56%	0.569%
106	8.531	8.518	8.550	VV	12971	239450	10.39%	0.337%
107	8.570	8.550	8.593	VV	13383	313374	13.60%	0.441%
108	8.641	8.616	8.688	VV	65552	1165638	50.60%	1.641%
109	8.734	8.713	8.755	VV	19193	409650	17.78%	0.577%
110	8.774	8.755	8.801	VV	17517	420379	18.25%	0.592%
111	8.843	8.801	8.856	VV	26725	572265	24.84%	0.806%
112	8.872	8.856	8.898	VV	26397	508886	22.09%	0.716%
113	8.939	8.898	8.963	VV	48488	872059	37.85%	1.228%
114	9.026	8.963	9.052	VV	76469	1681157	72.98%	2.367%
115	9.103	9.083	9.126	VV	23510	434258	18.85%	0.611%
116	9.171	9.126	9.190	VV	24615	662771	28.77%	0.933%
117	9.204	9.190	9.216	VV	16570	240150	10.42%	0.338%
118	9.249	9.216	9.274	VV	21664	661010	28.69%	0.930%
119	9.286	9.274	9.305	VV	17594	292538	12.70%	0.412%
120	9.323	9.305	9.367	VV	17337	576242	25.01%	0.811%
121	9.395	9.367	9.420	VV	22083	510358	22.15%	0.718%
122	9.439	9.420	9.478	VV	15061	436966	18.97%	0.615%
123	9.518	9.478	9.532	VV	16410	406512	17.65%	0.572%
124	9.613	9.580	9.653	VV	20776	674974	29.30%	0.950%
125	9.686	9.653	9.732	VV	31029	963005	41.80%	1.356%
126	9.765	9.732	9.795	VV	28806	709911	30.82%	0.999%
127	9.808	9.795	9.821	VV	14512	219217	9.52%	0.309%
128	9.848	9.821	9.892	VV	27296	713089	30.95%	1.004%
129	9.930	9.892	9.959	VV	12563	445505	19.34%	0.627%
130	9.971	9.959	9.982	VV	10457	132937	5.77%	0.187%
131	10.005	9.982	10.022	VV	13930	294978	12.80%	0.415%
132	10.049	10.022	10.078	VV	22170	573978	24.92%	0.808%
133	10.093	10.078	10.111	VV	16784	286012	12.42%	0.403%
134	10.124	10.111	10.133	VV	13728	181904	7.90%	0.256%
135	10.150	10.133	10.163	VV	16960	266617	11.57%	0.375%
136	10.196	10.163	10.237	VV	16751	620695	26.94%	0.874%
137	10.268	10.237	10.281	VV	12510	304625	13.22%	0.429%
138	10.324	10.281	10.347	VV	15252	527748	22.91%	0.743%
139	10.369	10.347	10.392	VV	15188	350934	15.23%	0.494%
140	10.403	10.392	10.417	VV	11617	164318	7.13%	0.231%
141	10.441	10.417	10.450	VV	14090	254034	11.03%	0.358%

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142	10.479	10.450	10.509	VV	78763	1344995	58.38%	1.893%
143	10.542	10.509	10.550	VV	15541	370971	16.10%	0.522%
144	10.560	10.550	10.596	VV	16053	380217	16.50%	0.535%
145	10.626	10.596	10.650	VV	21971	486095	21.10%	0.684%
146	10.667	10.650	10.693	VV	12418	286409	12.43%	0.403%
147	10.760	10.693	10.788	VV	19350	780166	33.87%	1.098%
148	10.808	10.788	10.818	VV	17709	272237	11.82%	0.383%
149	10.830	10.818	10.871	VV	18108	509452	22.11%	0.717%
150	10.903	10.871	10.931	VV	147983	2303700	100.00%	3.243%
151	10.944	10.931	10.983	VV	19347	486741	21.13%	0.685%
152	11.021	10.983	11.047	VV	14761	520290	22.58%	0.732%
153	11.065	11.047	11.082	VV	15266	302141	13.12%	0.425%
154	11.104	11.082	11.135	VV	15991	443952	19.27%	0.625%
155	11.169	11.135	11.191	VV	17639	500209	21.71%	0.704%
156	11.222	11.191	11.264	VV	26249	747241	32.44%	1.052%
157	11.283	11.264	11.292	VV	12763	201464	8.75%	0.284%
158	11.311	11.292	11.331	VV	15394	317357	13.78%	0.447%
159	11.360	11.331	11.375	VV	14713	366172	15.89%	0.515%
160	11.388	11.375	11.421	VV	14180	368537	16.00%	0.519%
161	11.482	11.421	11.511	VV	15186	756805	32.85%	1.065%
162	11.526	11.511	11.548	VV	16239	324863	14.10%	0.457%
163	11.558	11.548	11.572	VV	13341	181551	7.88%	0.256%
164	11.624	11.572	11.670	VV	86301	1771225	76.89%	2.493%
165	11.689	11.670	11.714	VV	13804	330357	14.34%	0.465%
166	11.730	11.714	11.751	VV	13312	265468	11.52%	0.374%
167	11.802	11.751	11.871	VV	17681	986710	42.83%	1.389%
168	11.901	11.871	11.918	VV	13493	327992	14.24%	0.462%
169	11.927	11.918	11.957	VV	12292	258589	11.22%	0.364%
170	11.975	11.957	12.005	VV	12283	324738	14.10%	0.457%
171	12.038	12.005	12.066	VV	14268	470534	20.43%	0.662%
172	12.085	12.066	12.122	VV	14453	433399	18.81%	0.610%
173	12.181	12.122	12.250	VV	31444	1182623	51.34%	1.665%
174	12.274	12.250	12.285	VV	11330	213522	9.27%	0.301%
175	12.313	12.285	12.375	VV	14748	628386	27.28%	0.885%
176	12.401	12.375	12.444	VV	12542	434246	18.85%	0.611%
177	12.471	12.444	12.480	VV	10196	209010	9.07%	0.294%
178	12.506	12.480	12.530	VV	10324	285970	12.41%	0.403%
179	12.557	12.530	12.578	VV	9486	256551	11.14%	0.361%
180	12.593	12.578	12.604	VV	9487	143065	6.21%	0.201%
181	12.628	12.604	12.659	VV	9541	286253	12.43%	0.403%
182	12.705	12.659	12.738	VV	10929	442299	19.20%	0.623%
183	12.763	12.738	12.821	VV	15045	523306	22.72%	0.737%
184	12.842	12.821	12.872	VV	13560	311031	13.50%	0.438%
185	12.893	12.872	12.914	VV	7553	183096	7.95%	0.258%
186	12.950	12.914	12.968	VV	9522	267685	11.62%	0.377%
187	12.985	12.968	13.017	VV	9863	238843	10.37%	0.336%
188	13.026	13.017	13.060	VV	6425	156651	6.80%	0.221%
189	13.114	13.060	13.149	VV	7170	338592	14.70%	0.477%
190	13.168	13.149	13.194	VV	7568	173500	7.53%	0.244%
191	13.206	13.194	13.241	VV	6050	158414	6.88%	0.223%
192	13.288	13.241	13.310	VV	11200	307117	13.33%	0.432%
193	13.335	13.310	13.369	VV	15549	365921	15.88%	0.515%
194	13.384	13.369	13.439	VV	7057	244416	10.61%	0.344%

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195	13.455	13.439	13.473	VV	5059	97570	4.24%	0.137%
196	13.498	13.473	13.532	VV	6436	190342	8.26%	0.268%
197	13.554	13.532	13.581	VV	5260	139384	6.05%	0.196%
198	13.585	13.581	13.597	VV	4665	42554	1.85%	0.060%
199	13.612	13.597	13.648	VV	4630	126182	5.48%	0.178%
200	13.676	13.648	13.704	VV	9709	214775	9.32%	0.302%
201	13.724	13.704	13.744	VV	5441	117504	5.10%	0.165%
202	13.762	13.744	13.814	VV	5229	177799	7.72%	0.250%
203	13.886	13.814	13.921	VV	6008	267975	11.63%	0.377%
204	14.035	14.013	14.067	VV	4851	112093	4.87%	0.158%
205	14.093	14.067	14.105	VV	3207	67139	2.91%	0.095%
206	14.119	14.105	14.141	VV	3546	66996	2.91%	0.094%
207	14.181	14.141	14.213	VV	4380	143795	6.24%	0.202%
208	14.271	14.213	14.301	VV	8085	234307	10.17%	0.330%
209	14.339	14.301	14.378	VV	3843	138346	6.01%	0.195%
210	14.421	14.378	14.466	VV	4745	172476	7.49%	0.243%
211	14.481	14.466	14.523	VV	2733	82194	3.57%	0.116%
212	14.545	14.523	14.574	VV	4576	88752	3.85%	0.125%
213	14.595	14.574	14.633	VV	2060	54247	2.35%	0.076%
214	14.666	14.633	14.694	VV	2980	77933	3.38%	0.110%
215	14.726	14.694	14.796	VV	5480	167321	7.26%	0.236%
216	14.978	14.939	14.998	VV	1510	42876	1.86%	0.060%
217	15.053	14.998	15.109	VV	2134	80784	3.51%	0.114%
218	15.142	15.109	15.183	VV	2066	67286	2.92%	0.095%
219	15.196	15.183	15.240	VV	1940	46161	2.00%	0.065%
220	15.278	15.240	15.324	VV	2930	71300	3.10%	0.100%
221	15.396	15.324	15.429	VV	2067	69702	3.03%	0.098%
222	15.469	15.429	15.532	VV	1614	59912	2.60%	0.084%
223	15.575	15.532	15.600	PV	1727	43483	1.89%	0.061%
224	15.610	15.600	15.629	VV	1022	12815	0.56%	0.018%
225	15.794	15.766	15.828	VV	1131	17053	0.74%	0.024%
226	15.851	15.828	15.861	VV	602	8397	0.36%	0.012%
227	15.879	15.861	15.898	VV	973	12100	0.53%	0.017%
228	15.914	15.898	15.935	VV	1331	16703	0.73%	0.024%
229	15.969	15.935	16.031	VV	3718	91793	3.98%	0.129%
230	16.050	16.031	16.071	VV	603	10041	0.44%	0.014%
231	16.125	16.071	16.137	VV	988	23821	1.03%	0.034%
232	16.195	16.137	16.235	VV	2253	78455	3.41%	0.110%
233	16.253	16.235	16.264	PV	452	4562	0.20%	0.006%
234	16.302	16.264	16.320	VV	751	14970	0.65%	0.021%
235	16.343	16.320	16.381	VV	1936	44255	1.92%	0.062%
236	16.402	16.381	16.437	VV	1581	36847	1.60%	0.052%
237	16.476	16.437	16.506	VV	3384	93358	4.05%	0.131%
238	16.521	16.506	16.531	VV	1579	19902	0.86%	0.028%
239	16.538	16.531	16.571	VV	1172	18952	0.82%	0.027%
240	16.606	16.571	16.626	VV	1406	36040	1.56%	0.051%
241	16.640	16.626	16.667	VV	1380	22767	0.99%	0.032%
242	16.683	16.667	16.703	VV	745	7894	0.34%	0.011%
243	16.771	16.703	16.781	PV	745	21659	0.94%	0.030%
244	16.860	16.781	16.888	VV	2631	108210	4.70%	0.152%
245	16.904	16.888	16.927	VV	2021	34280	1.49%	0.048%
246	16.971	16.927	17.024	VV	1739	56099	2.44%	0.079%

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247	17.126	17.024	17.150	VV	3816	107297	4.66%	0.151%
248	17.166	17.150	17.181	VV	1602	21996	0.95%	0.031%
249	17.202	17.181	17.215	VV	1394	24458	1.06%	0.034%
250	17.225	17.215	17.257	VV	1398	28931	1.26%	0.041%
251	17.277	17.257	17.291	VV	1922	30259	1.31%	0.043%
252	17.345	17.291	17.387	VV	3741	119712	5.20%	0.169%
253	17.429	17.387	17.441	VV	1696	38442	1.67%	0.054%
254	17.491	17.441	17.501	VV	2196	60238	2.61%	0.085%
255	17.519	17.501	17.544	VV	2821	51296	2.23%	0.072%
256	17.589	17.544	17.611	VV	1807	47670	2.07%	0.067%
257	17.631	17.611	17.646	VV	1613	26156	1.14%	0.037%
258	17.672	17.646	17.708	VV	3645	75194	3.26%	0.106%
259	17.723	17.708	17.736	VV	929	12511	0.54%	0.018%
260	17.756	17.736	17.776	VV	1370	19281	0.84%	0.027%
261	17.787	17.776	17.818	VV	520	7649	0.33%	0.011%
262	17.841	17.818	17.865	PV	828	11412	0.50%	0.016%
263	17.932	17.865	17.951	PV	2616	83715	3.63%	0.118%
264	17.962	17.951	17.976	VV	2194	27635	1.20%	0.039%
265	17.993	17.976	18.018	VV	2966	41704	1.81%	0.059%
266	18.042	18.018	18.056	VV	855	13035	0.57%	0.018%
267	18.070	18.056	18.086	VV	443	5925	0.26%	0.008%
268	18.136	18.086	18.153	PV	6329	111013	4.82%	0.156%
269	18.162	18.153	18.214	VV	3307	59566	2.59%	0.084%
270	18.240	18.214	18.252	VV	744	13008	0.56%	0.018%
271	18.284	18.252	18.299	VV	1557	29616	1.29%	0.042%
272	18.342	18.299	18.351	VV	2448	49603	2.15%	0.070%
273	18.364	18.351	18.396	VV	2529	47514	2.06%	0.067%
274	18.420	18.396	18.436	VV	1740	27380	1.19%	0.039%
275	18.502	18.436	18.538	VV	7987	164669	7.15%	0.232%
276	18.543	18.538	18.553	VV	1140	7433	0.32%	0.010%
277	18.569	18.553	18.597	VV	792	13243	0.57%	0.019%
278	18.625	18.597	18.638	VV	1176	17170	0.75%	0.024%
279	18.696	18.638	18.759	VV	2350	104205	4.52%	0.147%
280	18.827	18.759	18.859	VV	3215	116872	5.07%	0.165%
281	18.884	18.859	18.895	VV	1171	23060	1.00%	0.032%
282	18.925	18.895	18.946	VV	3745	68880	2.99%	0.097%
283	18.972	18.946	18.989	VV	2907	52214	2.27%	0.074%
284	19.018	18.989	19.054	VV	2029	60820	2.64%	0.086%
285	19.110	19.054	19.145	VV	1416	49300	2.14%	0.069%
286	19.226	19.145	19.241	PV	2496	53421	2.32%	0.075%
287	19.253	19.241	19.284	VV	2619	41232	1.79%	0.058%
288	19.324	19.284	19.351	VV	2451	54718	2.38%	0.077%
289	19.409	19.351	19.421	VV	4299	121483	5.27%	0.171%
290	19.432	19.421	19.451	VV	4042	64857	2.82%	0.091%
291	19.632	19.451	19.672	VV	6380	478025	20.75%	0.673%
292	19.683	19.672	19.693	VV	2967	37648	1.63%	0.053%
293	19.730	19.693	19.754	VV	4818	143980	6.25%	0.203%
294	20.027	19.754	20.065	VV	11545	1433088	62.21%	2.017%
295	20.103	20.065	20.121	VV	10546	342293	14.86%	0.482%
296	20.139	20.121	20.178	VV	10393	335332	14.56%	0.472%
297	20.415	20.178	20.432	VV	15300	1819200	78.97%	2.561%

Sum of corrected areas: 71038676

Aliphatic EPH 110724.M Tue Nov 12 01:23:21 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-2DL		SDG No.:	P4721	
Lab Sample ID:	P4721-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.5	
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
FF014996.D	50	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	86.5		16.4	36.4	mg/kg
Aromatic C12-C16	Aromatic C12-C16	388		18.5	54.6	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1060		52.4	90.9	mg/kg
Aromatic C21-C36	Aromatic C21-C36	232		109	145	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	1.81		40 - 140	181%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	1.23		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.85		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:	P4721-05DL	Acq On:	11 Nov 2024 12:43
Client Sample ID:	EX-11-TPH-2DL	Operator:	YP\AJ
Data file:	FF014996.D	Misc:	
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.510	6.375	3678325	23.797	200	ug/ml
Aromatic C12-C16	6.376	9.068	16413337	106.885	300	ug/ml
Aromatic C16-C21	9.069	13.383	41577915	292.604	500	ug/ml
Aromatic C21-C36	13.384	18.828	8823184	63.917	800	ug/ml
Aromatic EPH	4.510	18.828	70492761	487.203		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	240837	1.81		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	109948	1.23		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	124457	0.85		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014996.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:43
Operator : YP\AJ
Sample : P4721-05DL 50X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 11 20:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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_F
ClientSampleId :
EX-11-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.993	240837	1.810 ug/mlm
Spiked Amount 50.000		Recovery =	3.62%
6) S 2-Flurobiphenyl (SURR)	8.866	109948	1.233 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	2.47%
11) S ortho-Terphenyl (SURR)	11.928	124457	0.845 ug/mlm
Spiked Amount 50.000		Recovery =	1.69%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014996.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:43
Operator : YP\AJ
Sample : P4721-05DL 50X
Misc :
ALS Vial : 66 Sample Multiplier: 1

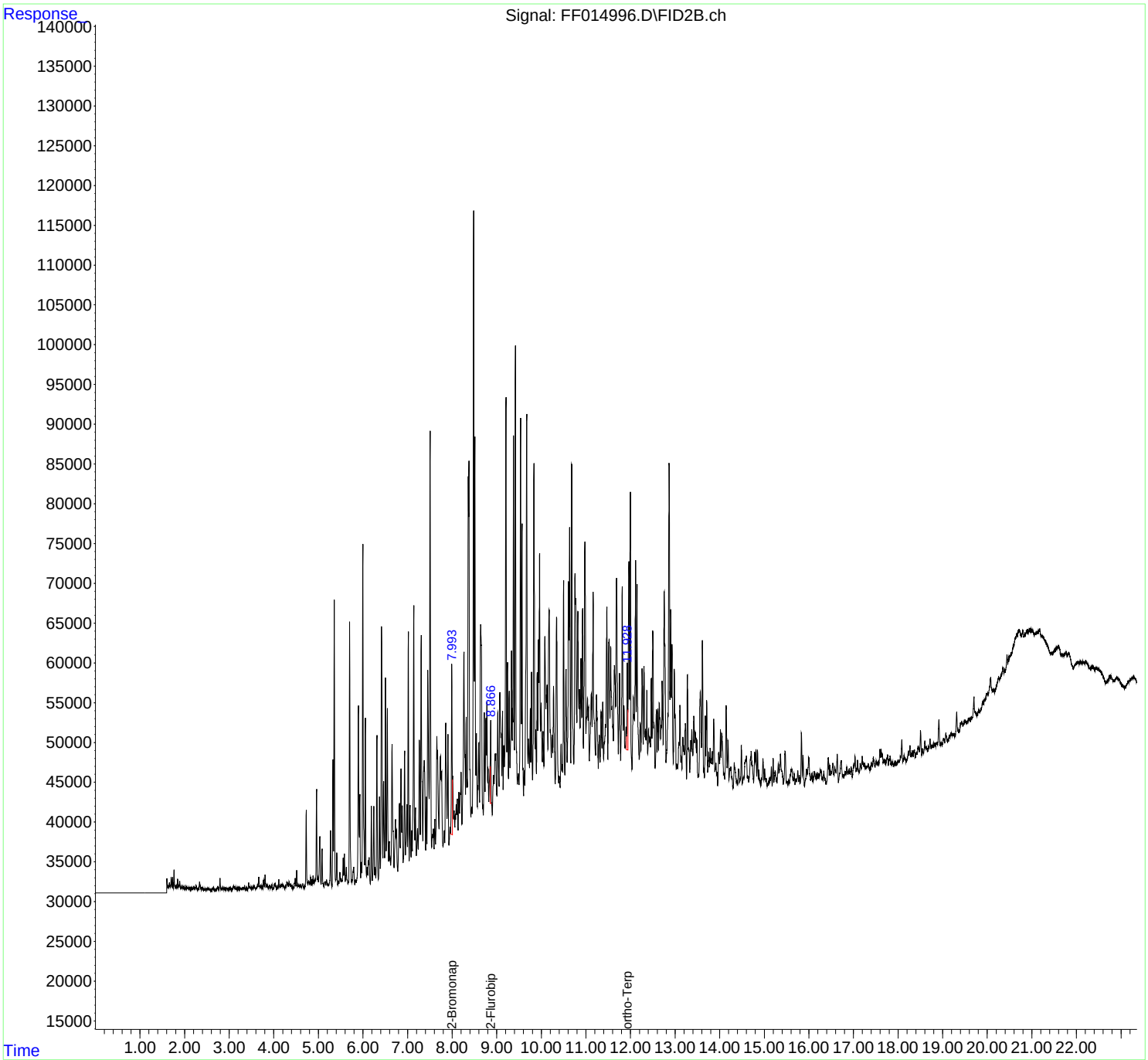
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2DL

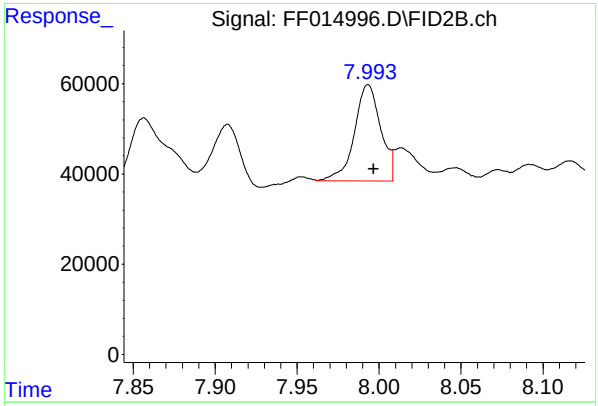
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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.: 7.993 min
Delta R.T.: -0.004 min
Response: 240837
Conc: 1.81 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2DL

Manual Integrations
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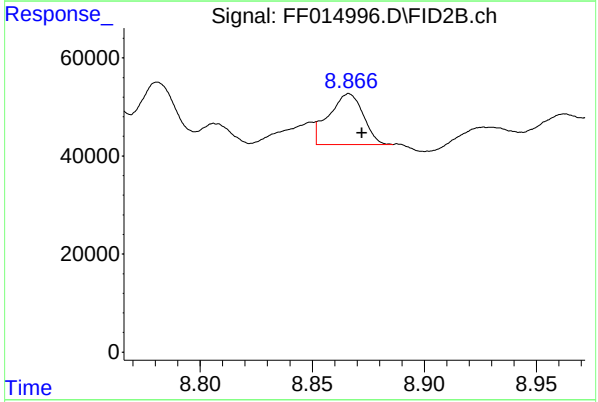
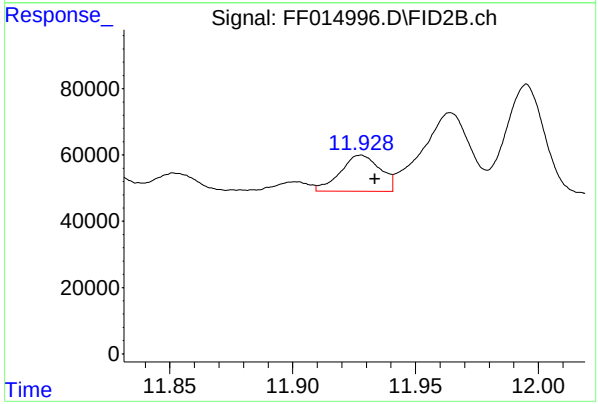


#6 2-Flurobiphenyl (SURR)

R.T.: 8.866 min
Delta R.T.: -0.006 min
Response: 109948
Conc: 1.23 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.006 min
Response: 124457
Conc: 0.85 ug/ml m

Instrument :
FID_F
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rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11112
Data File : FF014996.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:43
Sample : P4721-05DL 50X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.411	4.401	4.428	BV	162	1548	0.15%	0.002%
2	4.481	4.428	4.497	PV	1238	21796	2.06%	0.030%
3	4.514	4.497	4.543	VV	2291	27951	2.65%	0.039%
4	4.550	4.543	4.552	VV	353	1580	0.15%	0.002%
5	4.558	4.552	4.566	VV	367	2732	0.26%	0.004%
6	4.570	4.566	4.594	VV	376	5374	0.51%	0.007%
7	4.608	4.594	4.627	VV	427	5527	0.52%	0.008%
8	4.644	4.627	4.670	VV	546	7877	0.75%	0.011%
9	4.695	4.682	4.700	VV	199	1548	0.15%	0.002%
10	4.728	4.700	4.771	VV	9747	108210	10.25%	0.151%
11	4.787	4.771	4.808	VV	894	15394	1.46%	0.021%
12	4.827	4.808	4.843	VV	1326	17096	1.62%	0.024%
13	4.857	4.843	4.867	VV	1041	10363	0.98%	0.014%
14	4.882	4.867	4.901	VV	1510	19501	1.85%	0.027%
15	4.918	4.901	4.926	VV	989	12428	1.18%	0.017%
16	4.960	4.926	4.980	VV	12374	137618	13.03%	0.192%
17	4.989	4.980	5.002	VV	1250	13871	1.31%	0.019%
18	5.033	5.002	5.062	VV	6395	104842	9.93%	0.146%
19	5.084	5.062	5.122	VV	4864	58599	5.55%	0.082%
20	5.148	5.122	5.167	VV	696	12285	1.16%	0.017%
21	5.185	5.167	5.207	VV	928	13559	1.28%	0.019%
22	5.218	5.207	5.234	VV	376	4634	0.44%	0.006%
23	5.274	5.234	5.303	VV	7124	79571	7.54%	0.111%
24	5.329	5.303	5.341	PV	16011	152352	14.43%	0.212%
25	5.357	5.341	5.385	VV	35984	364450	34.52%	0.507%
26	5.415	5.385	5.434	VV	4242	50755	4.81%	0.071%
27	5.448	5.434	5.463	VV	645	8720	0.83%	0.012%
28	5.483	5.463	5.501	VV	1722	25973	2.46%	0.036%
29	5.512	5.501	5.524	VV	988	10973	1.04%	0.015%
30	5.557	5.524	5.570	VV	3535	45829	4.34%	0.064%
31	5.585	5.570	5.604	VV	4060	45247	4.29%	0.063%
32	5.628	5.604	5.664	VV	2368	39053	3.70%	0.054%
33	5.702	5.664	5.744	VV	33130	370846	35.12%	0.516%
34	5.755	5.744	5.762	VV	671	6066	0.57%	0.008%
35	5.794	5.762	5.817	VV	2285	41140	3.90%	0.057%
36	5.835	5.817	5.851	VV	645	8919	0.84%	0.012%

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rteres

37	5.898	5.851	5.919	VV	22467	298028	28.23%	0.415%
38	5.931	5.919	5.950	VV	11352	117274	11	
39	5.965	5.950	5.977	VV	2843	32130	3	
40	5.998	5.977	6.037	VV	42752	523514	49	
41	6.054	6.037	6.081	VV	20890	216954	20	
42	6.096	6.081	6.107	VV	2148	23974	2	
43	6.121	6.107	6.129	VV	2950	29719	2.81%	0.041%
44	6.139	6.129	6.165	VV	3326	38857	3.68%	0.054%
45	6.190	6.165	6.210	PV	9767	98790	9.36%	0.138%
46	6.244	6.210	6.262	VV	9651	118132	11.19%	0.164%
47	6.273	6.262	6.288	VV	1959	21030	1.99%	0.029%
48	6.313	6.288	6.346	VV	18585	213236	20.20%	0.297%
49	6.372	6.346	6.391	VV	10672	115804	10.97%	0.161%
50	6.417	6.391	6.448	VV	31880	518016	49.06%	0.721%
51	6.463	6.448	6.488	VV	12449	171478	16.24%	0.239%
52	6.505	6.488	6.523	VV	25480	264569	25.06%	0.368%
53	6.548	6.523	6.577	VV	21603	307237	29.10%	0.428%
54	6.591	6.577	6.623	VV	4833	85341	8.08%	0.119%
55	6.653	6.623	6.698	VV	16892	313409	29.68%	0.436%
56	6.729	6.698	6.741	VV	7432	115939	10.98%	0.161%
57	6.751	6.741	6.782	VV	6074	87634	8.30%	0.122%
58	6.819	6.782	6.835	VV	9299	166274	15.75%	0.232%
59	6.855	6.835	6.871	VV	13673	209747	19.86%	0.292%
60	6.882	6.871	6.902	VV	8934	103854	9.84%	0.145%
61	6.935	6.902	6.954	VV	15796	214046	20.27%	0.298%
62	6.987	6.954	7.000	VV	8956	152386	14.43%	0.212%
63	7.018	7.000	7.038	VV	30626	322710	30.56%	0.449%
64	7.057	7.038	7.082	VV	8802	129116	12.23%	0.180%
65	7.096	7.082	7.107	VV	5575	60310	5.71%	0.084%
66	7.141	7.107	7.163	VV	33809	456070	43.19%	0.635%
67	7.178	7.163	7.197	VV	8318	110113	10.43%	0.153%
68	7.225	7.197	7.239	VV	5623	98736	9.35%	0.137%
69	7.267	7.239	7.287	VV	16712	274695	26.02%	0.382%
70	7.307	7.287	7.343	VV	29779	476272	45.11%	0.663%
71	7.375	7.343	7.406	VV	14047	372450	35.27%	0.519%
72	7.420	7.406	7.435	VV	9356	106163	10.05%	0.148%
73	7.455	7.435	7.487	VV	25270	462727	43.82%	0.644%
74	7.507	7.487	7.540	VV	55172	737467	69.84%	1.027%
75	7.559	7.540	7.569	VV	4505	67668	6.41%	0.094%
76	7.581	7.569	7.595	VV	5199	67131	6.36%	0.093%
77	7.612	7.595	7.628	VV	6366	90314	8.55%	0.126%
78	7.659	7.628	7.668	VV	16733	233429	22.11%	0.325%
79	7.675	7.668	7.705	VV	14944	224600	21.27%	0.313%
80	7.737	7.705	7.755	VV	14146	322508	30.54%	0.449%
81	7.764	7.755	7.796	VV	12140	183740	17.40%	0.256%
82	7.824	7.796	7.836	VV	4663	87729	8.31%	0.122%
83	7.857	7.836	7.889	VV	18091	342403	32.43%	0.477%
84	7.908	7.889	7.929	VV	16673	232154	21.99%	0.323%
85	7.953	7.929	7.963	VV	4955	80183	7.59%	0.112%
86	7.993	7.963	8.009	VV	25408	352169	33.35%	0.490%
87	8.014	8.009	8.035	VV	11352	135903	12.87%	0.189%
88	8.047	8.035	8.061	VV	6851	95396	9.03%	0.133%
89	8.073	8.061	8.080	VV	6444	67939	6.43%	0.095%

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rteres

90	8.092	8.080	8.103	VV	7529	92950	8.80%	0.129%
91	8.116	8.103	8.134	VV	8300	127094	12	
92	8.151	8.134	8.167	VV	9086	141530	13	
93	8.184	8.167	8.189	VV	9008	103769	9	
94	8.203	8.189	8.222	VV	11555	172628	16	
95	8.265	8.222	8.301	VV	26543	653569	61	
96	8.315	8.301	8.329	VV	18340	224155	21.23%	0.312%
97	8.336	8.329	8.344	VV	10467	85721	8.12%	0.119%
98	8.363	8.344	8.370	VV	48402	500632	47.41%	0.697%
99	8.377	8.370	8.421	VV	50465	682304	64.62%	0.950%
100	8.440	8.421	8.451	VV	6914	113869	10.78%	0.159%
101	8.483	8.451	8.499	VV	81316	1032085	97.75%	1.437%
102	8.511	8.499	8.531	VV	53294	614994	58.24%	0.856%
103	8.546	8.531	8.565	VV	16008	244197	23.13%	0.340%
104	8.576	8.565	8.582	VV	9423	85085	8.06%	0.118%
105	8.598	8.582	8.616	VV	14717	231967	21.97%	0.323%
106	8.640	8.616	8.701	VV	29518	858335	81.29%	1.195%
107	8.722	8.701	8.739	VV	18427	272531	25.81%	0.379%
108	8.759	8.739	8.769	VV	17689	243569	23.07%	0.339%
109	8.781	8.769	8.798	VV	19661	264252	25.03%	0.368%
110	8.807	8.798	8.823	VV	11118	141870	13.44%	0.198%
111	8.866	8.823	8.901	VV	17190	470568	44.57%	0.655%
112	8.929	8.901	8.943	VV	10270	220411	20.87%	0.307%
113	8.963	8.943	8.971	VV	12940	188297	17.83%	0.262%
114	8.980	8.971	9.005	VV	12963	214398	20.31%	0.299%
115	9.025	9.005	9.052	VV	18127	355269	33.65%	0.495%
116	9.071	9.052	9.095	VV	20477	411487	38.97%	0.573%
117	9.100	9.095	9.117	VV	15289	177058	16.77%	0.247%
118	9.131	9.117	9.146	VV	18112	233893	22.15%	0.326%
119	9.160	9.146	9.173	VV	13721	186297	17.64%	0.259%
120	9.208	9.173	9.229	VV	57425	912584	86.43%	1.271%
121	9.243	9.229	9.265	VV	24087	367181	34.77%	0.511%
122	9.281	9.265	9.299	VV	20478	302877	28.68%	0.422%
123	9.333	9.299	9.346	VV	25379	480589	45.52%	0.669%
124	9.356	9.346	9.362	VV	18161	160745	15.22%	0.224%
125	9.379	9.362	9.397	VV	52282	637340	60.36%	0.887%
126	9.420	9.397	9.465	VV	63298	1017260	96.34%	1.416%
127	9.484	9.465	9.500	VV	9778	189621	17.96%	0.264%
128	9.537	9.500	9.553	VV	54314	796446	75.43%	1.109%
129	9.568	9.553	9.603	VV	41124	587785	55.67%	0.818%
130	9.617	9.603	9.630	VV	9947	141854	13.43%	0.198%
131	9.673	9.630	9.703	VV	54669	1055880	100.00%	1.470%
132	9.718	9.703	9.737	VV	13880	247506	23.44%	0.345%
133	9.755	9.737	9.767	VV	17698	252370	23.90%	0.351%
134	9.782	9.767	9.805	VV	22136	334515	31.68%	0.466%
135	9.836	9.805	9.864	VV	48315	838236	79.39%	1.167%
136	9.876	9.864	9.890	VV	14893	196792	18.64%	0.274%
137	9.907	9.890	9.921	VV	21933	313155	29.66%	0.436%
138	9.936	9.921	9.947	VV	26114	330699	31.32%	0.460%
139	9.961	9.947	9.983	VV	36914	553367	52.41%	0.770%
140	9.999	9.983	10.023	VV	18039	354072	33.53%	0.493%
141	10.038	10.023	10.058	VV	14418	261267	24.74%	0.364%

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rteres

142	10.081	10.058	10.104	VV	26314	541778	51.31%	0.754%
143	10.113	10.104	10.120	VV	18869	179739	17	
144	10.130	10.120	10.148	VV	20180	283129	26	
145	10.176	10.148	10.199	VV	29523	691536	65	
146	10.204	10.199	10.226	VV	14502	209437	19	
147	10.241	10.226	10.256	VV	13745	225552	21	
148	10.277	10.256	10.311	VV	19864	460421	43.61%	0.641%
149	10.342	10.311	10.392	VV	28331	720320	68.22%	1.003%
150	10.402	10.392	10.420	VV	8356	130666	12.38%	0.182%
151	10.445	10.420	10.458	VV	12398	228560	21.65%	0.318%
152	10.466	10.458	10.478	VV	9752	110419	10.46%	0.154%
153	10.501	10.478	10.530	VV	32908	531595	50.35%	0.740%
154	10.554	10.530	10.580	VV	21596	440527	41.72%	0.613%
155	10.610	10.580	10.622	VV	32409	519822	49.23%	0.724%
156	10.637	10.622	10.661	VV	39377	607857	57.57%	0.846%
157	10.681	10.661	10.729	VV	47236	878704	83.22%	1.223%
158	10.756	10.729	10.768	VV	33375	537951	50.95%	0.749%
159	10.774	10.768	10.796	VV	30231	406347	38.48%	0.566%
160	10.819	10.796	10.844	VV	28560	601167	56.94%	0.837%
161	10.855	10.844	10.869	VV	18770	258670	24.50%	0.360%
162	10.891	10.869	10.908	VV	22613	432485	40.96%	0.602%
163	10.926	10.908	10.944	VV	28749	450729	42.69%	0.628%
164	10.979	10.944	11.002	VV	37101	807978	76.52%	1.125%
165	11.036	11.002	11.051	VV	17375	448062	42.43%	0.624%
166	11.060	11.051	11.077	VV	16300	218699	20.71%	0.305%
167	11.122	11.077	11.138	VV	17864	508597	48.17%	0.708%
168	11.160	11.138	11.217	VV	30577	813328	77.03%	1.132%
169	11.238	11.217	11.278	VV	17636	476698	45.15%	0.664%
170	11.299	11.278	11.321	VV	12452	272053	25.77%	0.379%
171	11.341	11.321	11.358	VV	15272	286803	27.16%	0.399%
172	11.377	11.358	11.397	VV	16474	305503	28.93%	0.425%
173	11.471	11.397	11.492	VV	28323	879318	83.28%	1.224%
174	11.520	11.492	11.539	VV	24229	543153	51.44%	0.756%
175	11.556	11.539	11.583	VV	23237	482737	45.72%	0.672%
176	11.588	11.583	11.618	VV	15720	286869	27.17%	0.399%
177	11.639	11.618	11.667	VV	20678	524993	49.72%	0.731%
178	11.686	11.667	11.726	VV	31610	725311	68.69%	1.010%
179	11.756	11.726	11.779	VV	19664	440871	41.75%	0.614%
180	11.815	11.779	11.839	VV	30506	634099	60.05%	0.883%
181	11.852	11.839	11.882	VV	15389	322603	30.55%	0.449%
182	11.901	11.882	11.910	VV	12702	198089	18.76%	0.276%
183	11.928	11.910	11.941	VV	20720	304879	28.87%	0.425%
184	11.964	11.941	11.979	VV	33515	543452	51.47%	0.757%
185	11.995	11.979	12.032	VV	42172	642940	60.89%	0.895%
186	12.061	12.032	12.079	VV	16347	349964	33.14%	0.487%
187	12.084	12.079	12.092	VV	13977	113024	10.70%	0.157%
188	12.113	12.092	12.129	VV	33335	491370	46.54%	0.684%
189	12.145	12.129	12.195	VV	30330	658287	62.34%	0.917%
190	12.216	12.195	12.233	VV	12861	246070	23.30%	0.343%
191	12.260	12.233	12.284	VV	19590	437194	41.41%	0.609%
192	12.303	12.284	12.323	VV	19855	341541	32.35%	0.476%
193	12.334	12.323	12.347	VV	11915	159014	15.06%	0.221%
194	12.367	12.347	12.384	VV	16776	284272	26.92%	0.396%

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rteres

195	12.406	12.384	12.422	VV	11831	237894	22.53%	0.331%
196	12.433	12.422	12.448	VV	10830	161285	15	
197	12.467	12.448	12.481	VV	18217	273898	25	
198	12.500	12.481	12.521	VV	24092	417060	39	
199	12.526	12.521	12.550	VV	12331	178335	16	
200	12.581	12.550	12.598	VV	14079	298631	28	
201	12.613	12.598	12.628	VV	14210	202502	19.18%	0.282%
202	12.645	12.628	12.676	VV	14850	358696	33.97%	0.499%
203	12.711	12.676	12.733	VV	17497	445840	42.22%	0.621%
204	12.756	12.733	12.796	VV	28668	669600	63.42%	0.932%
205	12.836	12.796	12.842	VV	13281	275669	26.11%	0.384%
206	12.865	12.842	12.885	VV	44739	692558	65.59%	0.964%
207	12.901	12.885	12.917	VV	26262	386559	36.61%	0.538%
208	12.929	12.917	12.959	VV	21859	359260	34.02%	0.500%
209	12.980	12.959	12.994	VV	18581	283082	26.81%	0.394%
210	13.002	12.994	13.027	VV	12961	199549	18.90%	0.278%
211	13.040	13.027	13.049	VV	6638	83693	7.93%	0.117%
212	13.086	13.049	13.091	VV	9337	191659	18.15%	0.267%
213	13.108	13.091	13.128	VV	13964	230961	21.87%	0.322%
214	13.138	13.128	13.152	VV	7482	102798	9.74%	0.143%
215	13.172	13.152	13.187	VV	9924	174701	16.55%	0.243%
216	13.198	13.187	13.209	VV	8685	109835	10.40%	0.153%
217	13.230	13.209	13.255	VV	11511	245974	23.30%	0.342%
218	13.277	13.255	13.327	VV	17621	413934	39.20%	0.576%
219	13.348	13.327	13.358	VV	9293	143927	13.63%	0.200%
220	13.372	13.358	13.397	VV	10605	208836	19.78%	0.291%
221	13.419	13.397	13.437	VV	12254	241617	22.88%	0.336%
222	13.453	13.437	13.476	VV	10207	212661	20.14%	0.296%
223	13.487	13.476	13.511	VV	9197	150199	14.23%	0.209%
224	13.565	13.511	13.591	VV	15168	443958	42.05%	0.618%
225	13.612	13.591	13.657	VV	21505	416801	39.47%	0.580%
226	13.676	13.657	13.690	VV	11988	165164	15.64%	0.230%
227	13.708	13.690	13.731	VV	13828	237822	22.52%	0.331%
228	13.752	13.731	13.767	VV	7322	135862	12.87%	0.189%
229	13.785	13.767	13.812	VV	7752	173071	16.39%	0.241%
230	13.831	13.812	13.844	VV	7324	127692	12.09%	0.178%
231	13.866	13.844	13.891	VV	11326	224637	21.27%	0.313%
232	13.914	13.891	13.929	VV	5786	116835	11.07%	0.163%
233	13.939	13.929	13.956	VV	4625	63616	6.02%	0.089%
234	13.978	13.956	13.994	VV	7040	129765	12.29%	0.181%
235	14.015	13.994	14.031	VV	9818	166889	15.81%	0.232%
236	14.047	14.031	14.091	VV	9261	251734	23.84%	0.351%
237	14.095	14.091	14.114	VV	4288	54525	5.16%	0.076%
238	14.145	14.114	14.166	VV	12769	242699	22.99%	0.338%
239	14.185	14.166	14.207	VV	8312	143838	13.62%	0.200%
240	14.235	14.207	14.242	VV	4758	89366	8.46%	0.124%
241	14.248	14.242	14.300	VV	4902	124290	11.77%	0.173%
242	14.325	14.300	14.372	VV	5328	169008	16.01%	0.235%
243	14.379	14.372	14.395	VV	3033	38463	3.64%	0.054%
244	14.421	14.395	14.427	VV	4407	68737	6.51%	0.096%
245	14.429	14.427	14.446	VV	4363	39625	3.75%	0.055%
246	14.454	14.446	14.461	VV	3155	27784	2.63%	0.039%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	14.486	14.461	14.511	VV	7309	135507	12.83%	0.189%
248	14.578	14.511	14.585	VV	5353	173241	16	
249	14.599	14.585	14.629	VV	5819	118973	11	
250	14.637	14.629	14.651	VV	3265	38422	3	
251	14.706	14.651	14.759	VV	6298	279440	26	
252	14.782	14.759	14.797	VV	6095	101712	9	
253	14.811	14.797	14.829	VV	6410	98712	9.35%	0.137%
254	14.847	14.829	14.864	VV	6252	94081	8.91%	0.131%
255	14.877	14.864	14.899	VV	3738	61512	5.83%	0.086%
256	14.905	14.899	14.921	VV	2477	27777	2.63%	0.039%
257	14.940	14.921	14.952	VV	2626	43812	4.15%	0.061%
258	14.969	14.952	14.992	VV	5002	87938	8.33%	0.122%
259	15.007	14.992	15.032	VV	3727	70871	6.71%	0.099%
260	15.039	15.032	15.062	VV	2446	37498	3.55%	0.052%
261	15.067	15.062	15.073	VV	1633	9774	0.93%	0.014%
262	15.097	15.073	15.102	VV	2030	31143	2.95%	0.043%
263	15.130	15.102	15.141	VV	2418	50205	4.75%	0.070%
264	15.157	15.141	15.176	VV	3784	55805	5.29%	0.078%
265	15.198	15.176	15.214	VV	4747	69815	6.61%	0.097%
266	15.245	15.214	15.282	VV	3166	96217	9.11%	0.134%
267	15.313	15.282	15.331	VV	3966	87409	8.28%	0.122%
268	15.362	15.331	15.425	VV	5097	181382	17.18%	0.253%
269	15.468	15.425	15.499	VV	5367	130177	12.33%	0.181%
270	15.507	15.499	15.532	VV	1521	26362	2.50%	0.037%
271	15.546	15.532	15.566	VV	1630	28487	2.70%	0.040%
272	15.602	15.566	15.611	VV	2925	62885	5.96%	0.088%
273	15.619	15.611	15.641	VV	2897	42697	4.04%	0.059%
274	15.649	15.641	15.658	VV	1786	16560	1.57%	0.023%
275	15.671	15.658	15.688	VV	2320	30581	2.90%	0.043%
276	15.709	15.688	15.726	VV	1600	31238	2.96%	0.043%
277	15.750	15.726	15.768	VV	2578	47557	4.50%	0.066%
278	15.785	15.768	15.807	VV	1985	34646	3.28%	0.048%
279	15.832	15.807	15.854	VV	7221	107276	10.16%	0.149%
280	15.868	15.854	15.901	VV	4280	65353	6.19%	0.091%
281	15.944	15.901	15.964	VV	2572	62948	5.96%	0.088%
282	15.997	15.964	16.044	VV	3966	112496	10.65%	0.157%
283	16.065	16.044	16.084	VV	1795	32225	3.05%	0.045%
284	16.093	16.084	16.100	VV	1168	10039	0.95%	0.014%
285	16.120	16.100	16.153	VV	2022	46658	4.42%	0.065%
286	16.161	16.153	16.176	VV	1584	19319	1.83%	0.027%
287	16.194	16.176	16.207	VV	1818	26455	2.51%	0.037%
288	16.224	16.207	16.234	VV	1603	21742	2.06%	0.030%
289	16.257	16.234	16.264	VV	2123	31200	2.95%	0.043%
290	16.269	16.264	16.299	VV	2026	29322	2.78%	0.041%
291	16.306	16.299	16.313	VV	903	7550	0.72%	0.011%
292	16.336	16.313	16.382	VV	1633	36136	3.42%	0.050%
293	16.437	16.382	16.456	VV	3405	71531	6.77%	0.100%
294	16.469	16.456	16.484	VV	2291	30912	2.93%	0.043%
295	16.502	16.484	16.510	VV	1538	21042	1.99%	0.029%
296	16.535	16.510	16.563	VV	2511	56868	5.39%	0.079%
297	16.579	16.563	16.610	VV	2023	45020	4.26%	0.063%
298	16.636	16.610	16.662	VV	3538	60549	5.73%	0.084%
299	16.726	16.662	16.750	PV	2625	73577	6.97%	0.102%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/12/2024

rteres

300	16.759	16.750	16.786	VV	816	13318	1.26%	0.019%
301	16.820	16.786	16.833	VV	1110	23174		
302	16.855	16.833	16.869	VV	1602	26232		
303	16.875	16.869	16.879	VV	951	4801		
304	16.905	16.879	16.925	VV	1390	25653		
305	16.943	16.925	16.976	VV	1518	27715		
306	17.011	16.976	17.018	VV	1723	30488	2.89%	0.042%
307	17.035	17.018	17.061	VV	2656	42742	4.05%	0.060%
308	17.091	17.061	17.127	VV	2020	44434	4.21%	0.062%
309	17.149	17.127	17.154	VV	1553	15202	1.44%	0.021%
310	17.158	17.154	17.169	VV	1260	10054	0.95%	0.014%
311	17.197	17.169	17.231	VV	2396	57872	5.48%	0.081%
312	17.232	17.231	17.239	VV	1413	6238	0.59%	0.009%
313	17.248	17.239	17.267	VV	1424	19446	1.84%	0.027%
314	17.286	17.267	17.297	VV	1019	15470	1.47%	0.022%
315	17.306	17.297	17.312	VV	988	8140	0.77%	0.011%
316	17.334	17.312	17.354	VV	1246	24110	2.28%	0.034%
317	17.361	17.354	17.372	VV	662	5484	0.52%	0.008%
318	17.379	17.372	17.384	VV	711	4107	0.39%	0.006%
319	17.406	17.384	17.424	VV	1118	22502	2.13%	0.031%
320	17.446	17.424	17.485	VV	1897	45496	4.31%	0.063%
321	17.511	17.485	17.537	VV	1401	30647	2.90%	0.043%
322	17.551	17.537	17.565	VV	1084	15700	1.49%	0.022%
323	17.593	17.565	17.606	VV	2580	42606	4.04%	0.059%
324	17.618	17.606	17.637	VV	2509	40569	3.84%	0.056%
325	17.642	17.637	17.667	VV	2055	26430	2.50%	0.037%
326	17.681	17.667	17.696	VV	1129	17519	1.66%	0.024%
327	17.710	17.696	17.721	VV	1102	13738	1.30%	0.019%
328	17.726	17.721	17.729	VV	913	3830	0.36%	0.005%
329	17.767	17.729	17.785	VV	1664	37226	3.53%	0.052%
330	17.797	17.785	17.809	VV	1047	11896	1.13%	0.017%
331	17.821	17.809	17.860	VV	1426	22695	2.15%	0.032%
332	17.874	17.860	17.896	VV	624	8413	0.80%	0.012%
333	17.926	17.896	17.931	PV	404	4729	0.45%	0.007%
334	17.939	17.931	17.967	VV	587	5679	0.54%	0.008%
335	17.979	17.967	17.986	VV	345	2640	0.25%	0.004%
336	17.999	17.986	18.022	VV	556	9391	0.89%	0.013%
337	18.050	18.022	18.057	VV	875	11286	1.07%	0.016%
338	18.083	18.057	18.104	VV	3031	44817	4.24%	0.062%
339	18.133	18.104	18.150	VV	953	15083	1.43%	0.021%
340	18.157	18.150	18.175	VV	614	5881	0.56%	0.008%
341	18.185	18.175	18.191	PV	369	1348	0.13%	0.002%
342	18.233	18.191	18.247	VV	1185	23041	2.18%	0.032%
343	18.267	18.247	18.287	VV	1942	28634	2.71%	0.040%
344	18.294	18.287	18.299	VV	762	4624	0.44%	0.006%
345	18.318	18.299	18.338	VV	1230	18568	1.76%	0.026%
346	18.368	18.338	18.394	VV	1144	24396	2.31%	0.034%
347	18.407	18.394	18.429	VV	758	11975	1.13%	0.017%
348	18.454	18.429	18.482	VV	1510	35871	3.40%	0.050%
349	18.504	18.482	18.531	VV	3365	48770	4.62%	0.068%
350	18.546	18.531	18.576	VV	1013	15460	1.46%	0.022%
351	18.600	18.576	18.622	VV	1846	32050	3.04%	0.045%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
352	18.634	18.622	18.657	VV	1047	18526	1.75%	0.026%
353	18.680	18.657	18.696	VV	1021	17648	1	
354	18.717	18.696	18.738	VV	1849	31553	2	
355	18.755	18.738	18.781	VV	1110	22928	2	
356	18.788	18.781	18.795	VV	896	7125	0	
357	18.803	18.795	18.811	VV	1239	9902	0	
358	18.832	18.811	18.845	VV	1212	20040	1.90%	0.028%
359	18.870	18.845	18.874	VV	1159	17755	1.68%	0.025%
360	18.878	18.874	18.889	VV	1169	9149	0.87%	0.013%
361	18.915	18.889	18.956	VV	3837	74859	7.09%	0.104%
362	18.969	18.956	18.990	VV	990	17868	1.69%	0.025%
363	19.024	18.990	19.046	VV	1426	36578	3.46%	0.051%
			Sum of corrected areas:			71819970		

Aromatic EPH 110724.M Mon Nov 11 23:45:08 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-11-TPH-3			SDG No.:	P4721
Lab Sample ID:	P4721-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	79.4
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/08/24 08:47	11/08/24 20:08	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.96		1	0.48	1.26	mg/kg	FE051128.D
Aliphatic C12-C16	Aliphatic C12-C16	23.4		2	0.60	1.68	mg/kg	FE051141.D
Aliphatic C16-C21	Aliphatic C16-C21	21.6		1	0.38	1.26	mg/kg	FE051128.D
Aliphatic C21-C28	Aliphatic C21-C28	3.03		1	1.01	1.68	mg/kg	FE051128.D
Aliphatic C28-C40	Aliphatic C28-C40	12.7		1	2.26	2.52	mg/kg	FE051128.D
Aromatic C10-C12	Aromatic C10-C12	2.23		1	0.38	0.84	mg/kg	FD048690.D
Aromatic C12-C16	Aromatic C12-C16	4.54		1	0.43	1.26	mg/kg	FD048690.D
Aromatic C16-C21	Aromatic C16-C21	16.3		1	1.21	2.10	mg/kg	FD048690.D
Aromatic C21-C36	Aromatic C21-C36	10.3		1	2.52	3.36	mg/kg	FD048690.D
Total AliphaticEPH	Total AliphaticEPH	68.7			4.73	8.40	mg/kg	
Total AromaticEPH	Total AromaticEPH	33.4			4.54	7.56	mg/kg	
Total EPH	Total EPH	102			9.26	16.0	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.4	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048690.D	1	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.23		0.38	0.84	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.54		0.43	1.26	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.3		1.21	2.10	mg/kg
Aromatic C21-C36	Aromatic C21-C36	10.3		2.52	3.36	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.5		40 - 140	127%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.6		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.8		40 - 140	70%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-06	Acq On:	11 Nov 2024 09:48
Client Sample ID:	EX-11-TPH-3	Operator:	YP/AJ
Data file:	FD048690.D	Misc:	
Instrument:	FID_D	ALS Vial:	56
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.090	5.808	4692693	26.632	200	ug/ml
Aromatic C12-C16	5.809	8.414	9599345	54.15	300	ug/ml
Aromatic C16-C21	8.415	12.677	31763754	193.879	500	ug/ml
Aromatic C21-C36	12.678	18.084	18707897	122.504	800	ug/ml
Aromatic EPH	4.090	18.084	64763689	397.165		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	9645668	63.55		ug/ml
2-Flurobiphenyl (SURR)	8.219	8.219	5357280	54.56		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	5923993	34.78		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048690.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:48
Operator : YP/AJ
Sample : P4721-06
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-3

Integration File: autoint1.e
Quant Time: Nov 11 20:44:48 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...	7.370	9645668	63.551 ug/ml
Spiked Amount 50.000		Recovery = 127.10%	
6) S 2-Flurobiphenyl (SURR)	8.219	5357280	54.559 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 109.12%	
11) S ortho-Terphenyl (SURR)	11.255	5923993	34.778 ug/ml
Spiked Amount 50.000		Recovery = 69.56%	
Target Compounds			

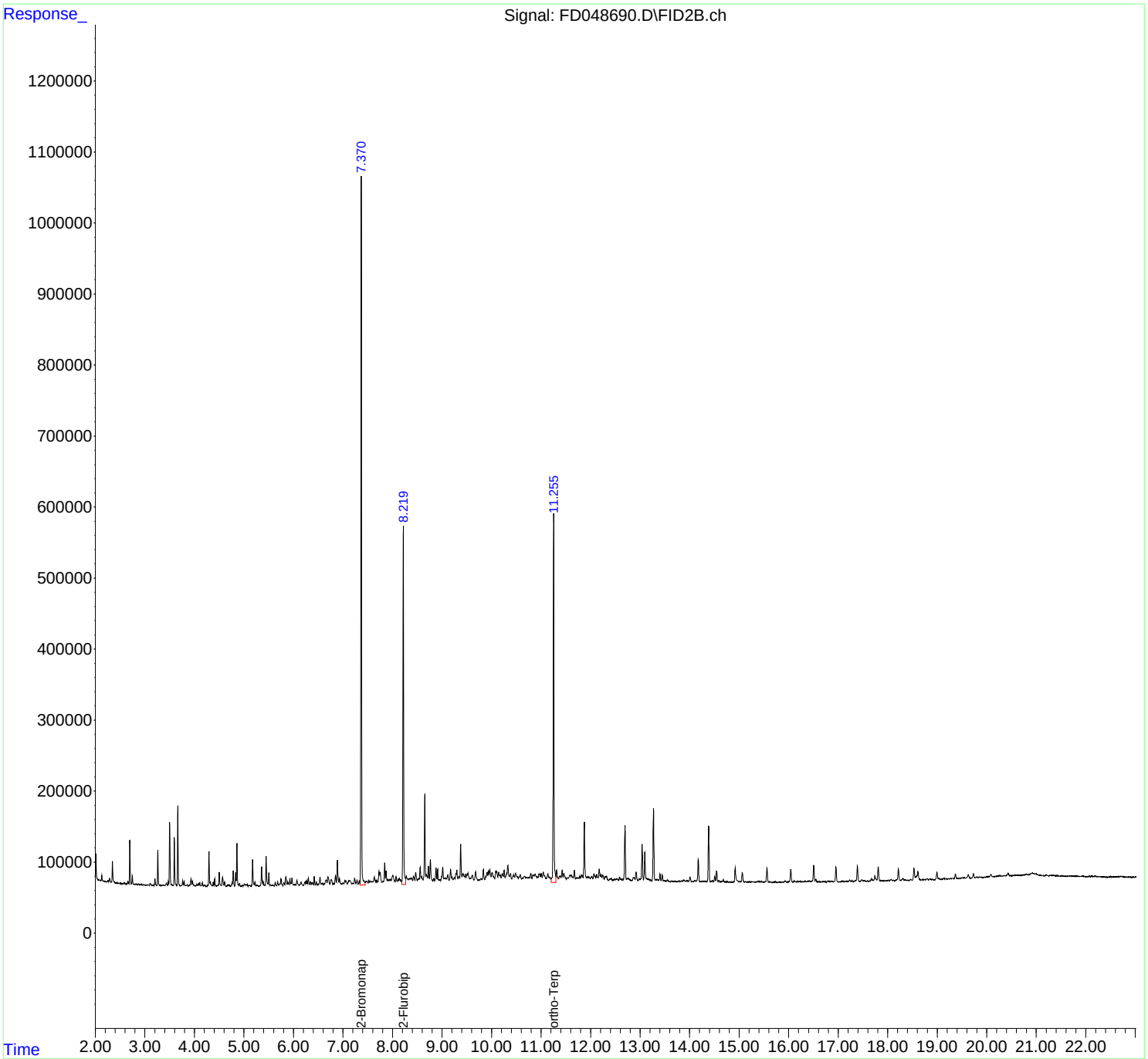
(f)=RT Delta > 1/2 Window (m)=manual int.

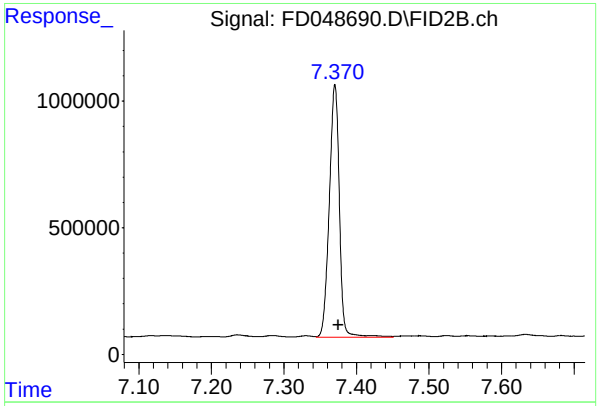
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048690.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:48
Operator : YP/AJ
Sample : P4721-06
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-3

Integration File: autoint1.e
Quant Time: Nov 11 20:44:48 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

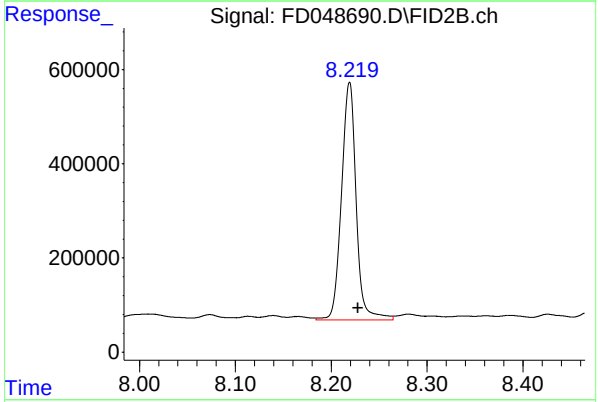




#4 2-Bromonaphthalene (SURR)

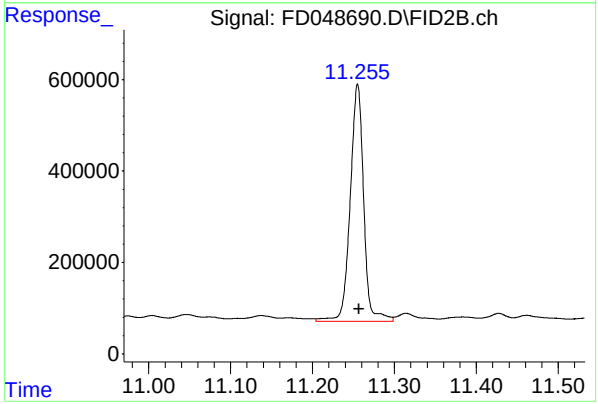
R.T.: 7.370 min
Delta R.T.: -0.004 min
Response: 9645668
Conc: 63.55 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-11-TPH-3



#6 2-Flurobiphenyl (SURR)

R.T.: 8.219 min
Delta R.T.: -0.009 min
Response: 5357280
Conc: 54.56 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.255 min
Delta R.T.: -0.002 min
Response: 5923993
Conc: 34.78 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048690.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:48
Sample : P4721-06
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: sample.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	4.081	4.042	4.094	BV	2113	6311	0.07%	0.007%
2	4.108	4.094	4.136	PV	4268	37254	0.39%	0.043%
3	4.160	4.136	4.180	PV	4398	39459	0.41%	0.046%
4	4.195	4.180	4.210	VV	1971	16839	0.18%	0.019%
5	4.219	4.210	4.243	VV	479	5371	0.06%	0.006%
6	4.271	4.243	4.277	PV	1245	12287	0.13%	0.014%
7	4.294	4.277	4.314	VV	49204	442438	4.62%	0.512%
8	4.324	4.314	4.362	VV	6093	80374	0.84%	0.093%
9	4.380	4.362	4.394	VV	5739	57421	0.60%	0.066%
10	4.409	4.394	4.424	VV	10706	97763	1.02%	0.113%
11	4.430	4.424	4.449	VV	1849	15517	0.16%	0.018%
12	4.478	4.449	4.486	VV	2160	28031	0.29%	0.032%
13	4.502	4.486	4.541	VV	19977	210036	2.19%	0.243%
14	4.568	4.541	4.592	VV	12982	191238	2.00%	0.221%
15	4.611	4.592	4.642	VV	6029	72485	0.76%	0.084%
16	4.676	4.642	4.690	PV	2549	28016	0.29%	0.032%
17	4.703	4.690	4.724	VV	2142	22980	0.24%	0.027%
18	4.727	4.724	4.738	VV	358	2155	0.02%	0.002%
19	4.760	4.738	4.767	VV	4985	44444	0.46%	0.051%
20	4.784	4.767	4.810	VV	22093	240939	2.51%	0.279%
21	4.833	4.810	4.844	PV	19638	178195	1.86%	0.206%
22	4.859	4.844	4.885	VV	60808	575400	6.00%	0.666%
23	4.890	4.885	4.899	VV	2234	16435	0.17%	0.019%
24	4.912	4.899	4.933	VV	4164	42631	0.44%	0.049%
25	4.944	4.933	4.957	VV	517	5936	0.06%	0.007%
26	4.973	4.957	4.991	VV	2008	25670	0.27%	0.030%
27	5.010	4.991	5.027	VV	3678	47930	0.50%	0.055%
28	5.045	5.027	5.057	VV	2486	35527	0.37%	0.041%
29	5.069	5.057	5.086	VV	3242	35617	0.37%	0.041%
30	5.107	5.086	5.137	VV	1525	25458	0.27%	0.029%
31	5.148	5.137	5.156	VV	878	6937	0.07%	0.008%
32	5.175	5.156	5.207	VV	37853	392038	4.09%	0.453%
33	5.222	5.207	5.240	VV	6092	66147	0.69%	0.077%
34	5.255	5.240	5.268	VV	1476	20460	0.21%	0.024%
35	5.278	5.268	5.312	VV	1598	20234	0.21%	0.023%
36	5.357	5.312	5.379	VV	27661	317926	3.32%	0.368%

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37	5.390	5.379	5.407	VV	6657	67392	0.70%	0.078%
38	5.422	5.407	5.432	VV	2113	24349	0.25%	0.028%
39	5.449	5.432	5.487	VV	42286	467830	4.88%	0.541%
40	5.503	5.487	5.530	VV	19133	197534	2.06%	0.228%
41	5.541	5.530	5.553	VV	2009	22049	0.23%	0.026%
42	5.564	5.553	5.575	VV	1578	15858	0.17%	0.018%
43	5.588	5.575	5.611	VV	2213	24362	0.25%	0.028%
44	5.633	5.611	5.658	PV	5860	63073	0.66%	0.073%
45	5.684	5.658	5.701	VV	5988	76287	0.80%	0.088%
46	5.726	5.701	5.731	VV	3529	43776	0.46%	0.051%
47	5.749	5.731	5.787	VV	10531	151897	1.58%	0.176%
48	5.806	5.787	5.827	VV	5321	80698	0.84%	0.093%
49	5.845	5.827	5.873	VV	13228	207117	2.16%	0.240%
50	5.888	5.873	5.900	VV	5763	69082	0.72%	0.080%
51	5.906	5.900	5.915	VV	3613	28562	0.30%	0.033%
52	5.929	5.915	5.945	VV	10845	117175	1.22%	0.136%
53	5.971	5.945	6.000	VV	11707	172243	1.80%	0.199%
54	6.009	6.000	6.022	VV	2442	27894	0.29%	0.032%
55	6.030	6.022	6.045	VV	2099	26819	0.28%	0.031%
56	6.071	6.045	6.115	VV	8553	153059	1.60%	0.177%
57	6.154	6.115	6.199	VV	5732	132931	1.39%	0.154%
58	6.234	6.199	6.247	VV	6168	102827	1.07%	0.119%
59	6.265	6.247	6.280	VV	7709	109983	1.15%	0.127%
60	6.301	6.280	6.320	VV	11849	157355	1.64%	0.182%
61	6.341	6.320	6.359	VV	6166	95853	1.00%	0.111%
62	6.373	6.359	6.384	VV	4958	57716	0.60%	0.067%
63	6.390	6.384	6.405	VV	3936	38374	0.40%	0.044%
64	6.421	6.405	6.443	VV	13607	146270	1.53%	0.169%
65	6.461	6.443	6.483	VV	5893	81012	0.85%	0.094%
66	6.496	6.483	6.508	VV	2685	33137	0.35%	0.038%
67	6.537	6.508	6.555	VV	12607	175064	1.83%	0.202%
68	6.561	6.555	6.577	VV	3547	44319	0.46%	0.051%
69	6.590	6.577	6.604	VV	4247	53344	0.56%	0.062%
70	6.621	6.604	6.631	VV	3615	46764	0.49%	0.054%
71	6.658	6.631	6.680	VV	8332	190307	1.99%	0.220%
72	6.698	6.680	6.737	VV	12902	263896	2.75%	0.305%
73	6.768	6.737	6.795	VV	9061	210991	2.20%	0.244%
74	6.808	6.795	6.823	VV	4165	52272	0.55%	0.060%
75	6.850	6.823	6.868	VV	14711	220635	2.30%	0.255%
76	6.889	6.868	6.917	VV	36391	476928	4.98%	0.552%
77	6.930	6.917	6.978	VV	10817	196699	2.05%	0.228%
78	6.998	6.978	7.017	VV	4412	82511	0.86%	0.095%
79	7.039	7.017	7.050	VV	8052	107566	1.12%	0.124%
80	7.060	7.050	7.087	VV	7293	121455	1.27%	0.140%
81	7.117	7.087	7.125	VV	7536	118751	1.24%	0.137%
82	7.135	7.125	7.180	VV	7451	183973	1.92%	0.213%
83	7.194	7.180	7.216	VV	3630	69797	0.73%	0.081%
84	7.236	7.216	7.267	VV	10623	188200	1.96%	0.218%
85	7.284	7.267	7.312	VV	8069	135086	1.41%	0.156%
86	7.331	7.312	7.344	VV	7061	91485	0.95%	0.106%
87	7.370	7.344	7.414	VV	1000695	9584331	100.00%	11.086%
88	7.422	7.414	7.450	VV	7415	131279	1.37%	0.152%
89	7.487	7.450	7.508	VV	6777	189910	1.98%	0.220%

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90	7.525	7.508	7.539	VV	7829	106738	1.11%	0.123%
91	7.553	7.539	7.570	VV	6785	112219	1.17%	0.130%
92	7.585	7.570	7.597	VV	5768	88668	0.93%	0.103%
93	7.633	7.597	7.668	VV	12124	324696	3.39%	0.376%
94	7.682	7.668	7.707	VV	7901	140674	1.47%	0.163%
95	7.728	7.707	7.738	VV	20185	238230	2.49%	0.276%
96	7.750	7.738	7.787	VV	18382	363562	3.79%	0.421%
97	7.810	7.787	7.820	VV	6298	112783	1.18%	0.130%
98	7.844	7.820	7.859	VV	32303	405154	4.23%	0.469%
99	7.872	7.859	7.892	VV	20938	268067	2.80%	0.310%
100	7.904	7.892	7.919	VV	8891	125447	1.31%	0.145%
101	7.935	7.919	7.945	VV	8354	120975	1.26%	0.140%
102	7.958	7.945	7.975	VV	9372	145640	1.52%	0.168%
103	8.009	7.975	8.054	VV	13939	470092	4.90%	0.544%
104	8.073	8.054	8.098	VV	12857	224297	2.34%	0.259%
105	8.114	8.098	8.125	VV	9276	120018	1.25%	0.139%
106	8.140	8.125	8.154	VV	10749	154201	1.61%	0.178%
107	8.165	8.154	8.184	VV	8662	128649	1.34%	0.149%
108	8.219	8.184	8.265	VV	506519	5435115	56.71%	6.287%
109	8.281	8.265	8.321	VV	13738	349643	3.65%	0.404%
110	8.337	8.321	8.349	VV	9603	152524	1.59%	0.176%
111	8.362	8.349	8.374	VV	10137	139840	1.46%	0.162%
112	8.387	8.374	8.409	VV	10968	198587	2.07%	0.230%
113	8.426	8.409	8.454	VV	13464	270907	2.83%	0.313%
114	8.470	8.454	8.500	VV	18236	343895	3.59%	0.398%
115	8.512	8.500	8.521	VV	8986	104262	1.09%	0.121%
116	8.559	8.521	8.580	VV	25789	502684	5.24%	0.581%
117	8.592	8.580	8.614	VV	12587	211785	2.21%	0.245%
118	8.653	8.614	8.675	VV	128772	1484839	15.49%	1.718%
119	8.685	8.675	8.709	VV	15792	287720	3.00%	0.333%
120	8.726	8.709	8.744	VV	27249	358919	3.74%	0.415%
121	8.767	8.744	8.814	VV	36354	664954	6.94%	0.769%
122	8.837	8.814	8.853	VV	9619	193019	2.01%	0.223%
123	8.880	8.853	8.898	VV	25087	393417	4.10%	0.455%
124	8.913	8.898	8.952	VV	22761	375988	3.92%	0.435%
125	8.963	8.952	8.975	VV	8274	108646	1.13%	0.126%
126	9.016	8.975	9.052	VV	25868	625794	6.53%	0.724%
127	9.070	9.052	9.095	VV	10131	241020	2.51%	0.279%
128	9.117	9.095	9.144	VV	14503	315258	3.29%	0.365%
129	9.175	9.144	9.195	VV	22977	422113	4.40%	0.488%
130	9.203	9.195	9.229	VV	11467	192531	2.01%	0.223%
131	9.251	9.229	9.264	VV	11389	207205	2.16%	0.240%
132	9.301	9.264	9.320	VV	21291	496780	5.18%	0.575%
133	9.341	9.320	9.357	VV	12720	244586	2.55%	0.283%
134	9.378	9.357	9.404	VV	57531	778914	8.13%	0.901%
135	9.420	9.404	9.459	VV	15792	455189	4.75%	0.527%
136	9.472	9.459	9.486	VV	15730	220826	2.30%	0.255%
137	9.502	9.486	9.511	VV	15449	203865	2.13%	0.236%
138	9.524	9.511	9.559	VV	17111	372903	3.89%	0.431%
139	9.571	9.559	9.584	VV	9931	140954	1.47%	0.163%
140	9.611	9.584	9.645	VV	13731	397813	4.15%	0.460%
141	9.679	9.645	9.730	VV	18639	553119	5.77%	0.640%

142	9.746	9.730	9.767	VV	7677	159694	1.67%	0.185%
143	9.784	9.767	9.810	VV	9447	223006	2.33%	0.258%
144	9.836	9.810	9.863	VV	22069	414806	4.33%	0.480%
145	9.911	9.863	9.926	VV	17910	488847	5.10%	0.565%
146	9.941	9.926	9.952	VV	20222	267740	2.79%	0.310%
147	9.966	9.952	9.994	VV	21978	422239	4.41%	0.488%
148	10.010	9.994	10.064	VV	17307	565031	5.90%	0.654%
149	10.087	10.064	10.098	VV	19836	315804	3.30%	0.365%
150	10.107	10.098	10.126	VV	19048	262815	2.74%	0.304%
151	10.145	10.126	10.164	VV	17606	336935	3.52%	0.390%
152	10.179	10.164	10.195	VV	14553	236157	2.46%	0.273%
153	10.218	10.195	10.236	VV	16065	333988	3.48%	0.386%
154	10.255	10.236	10.275	VV	21077	364882	3.81%	0.422%
155	10.330	10.275	10.364	VV	27478	886985	9.25%	1.026%
156	10.385	10.364	10.407	VV	15977	334454	3.49%	0.387%
157	10.447	10.407	10.464	VV	13639	392515	4.10%	0.454%
158	10.487	10.464	10.540	VV	16740	575130	6.00%	0.665%
159	10.580	10.540	10.607	VV	14136	445415	4.65%	0.515%
160	10.622	10.607	10.635	VV	9992	158812	1.66%	0.184%
161	10.670	10.635	10.694	VV	12153	378191	3.95%	0.437%
162	10.705	10.694	10.734	VV	10574	242384	2.53%	0.280%
163	10.742	10.734	10.752	VV	10456	110536	1.15%	0.128%
164	10.795	10.752	10.817	VV	16168	466486	4.87%	0.540%
165	10.847	10.817	10.862	VV	13699	334147	3.49%	0.387%
166	10.879	10.862	10.922	VV	15155	459534	4.79%	0.532%
167	10.931	10.922	10.940	VV	11041	117337	1.22%	0.136%
168	10.959	10.940	10.989	VV	15154	397919	4.15%	0.460%
169	11.004	10.989	11.024	VV	15792	276218	2.88%	0.319%
170	11.046	11.024	11.099	VV	18045	581623	6.07%	0.673%
171	11.138	11.099	11.162	VV	15605	441916	4.61%	0.511%
172	11.171	11.162	11.207	VV	10812	257553	2.69%	0.298%
173	11.255	11.207	11.298	VV	523034	6097942	63.62%	7.053%
174	11.314	11.298	11.354	VV	20668	442708	4.62%	0.512%
175	11.384	11.354	11.404	VV	12581	323047	3.37%	0.374%
176	11.427	11.404	11.446	VV	20516	363591	3.79%	0.421%
177	11.461	11.446	11.513	VV	16060	471163	4.92%	0.545%
178	11.535	11.513	11.548	VV	9859	188759	1.97%	0.218%
179	11.587	11.548	11.607	VV	13207	404938	4.22%	0.468%
180	11.619	11.607	11.647	VV	13916	281806	2.94%	0.326%
181	11.675	11.647	11.699	VV	20390	411243	4.29%	0.476%
182	11.722	11.699	11.754	VV	9744	307738	3.21%	0.356%
183	11.779	11.754	11.795	VV	11907	249529	2.60%	0.289%
184	11.818	11.795	11.850	VV	13898	383396	4.00%	0.443%
185	11.875	11.850	11.916	VV	87866	1294962	13.51%	1.498%
186	11.927	11.916	11.939	VV	10572	132254	1.38%	0.153%
187	11.955	11.939	11.991	VV	11452	316807	3.31%	0.366%
188	12.025	11.991	12.049	VV	11478	336832	3.51%	0.390%
189	12.068	12.049	12.105	VV	14963	399976	4.17%	0.463%
190	12.124	12.105	12.144	VV	14248	269089	2.81%	0.311%
191	12.176	12.144	12.196	VV	21794	453327	4.73%	0.524%
192	12.210	12.196	12.229	VV	14046	239441	2.50%	0.277%
193	12.247	12.229	12.274	VV	12940	304256	3.17%	0.352%
194	12.293	12.274	12.305	VV	10973	182143	1.90%	0.211%

195	12.321	12.305	12.362	VV	11726	294426	3.07%	0.341%
196	12.417	12.362	12.444	VV	8616	344010	3.59%	0.398%
197	12.454	12.444	12.464	VV	6332	73355	0.77%	0.085%
198	12.483	12.464	12.500	VV	7707	150827	1.57%	0.174%
199	12.534	12.500	12.564	VV	7939	275239	2.87%	0.318%
200	12.585	12.564	12.613	VV	10300	229147	2.39%	0.265%
201	12.618	12.613	12.638	VV	7401	100629	1.05%	0.116%
202	12.659	12.638	12.667	VV	7976	120112	1.25%	0.139%
203	12.695	12.667	12.724	VV	83052	1107851	11.56%	1.281%
204	12.752	12.724	12.837	VV	8373	469415	4.90%	0.543%
205	12.867	12.837	12.898	VV	9675	294469	3.07%	0.341%
206	12.920	12.898	12.962	VV	17260	371628	3.88%	0.430%
207	12.982	12.962	12.996	VV	8071	141907	1.48%	0.164%
208	13.041	12.996	13.070	VV	56621	888833	9.27%	1.028%
209	13.095	13.070	13.156	VV	45308	815509	8.51%	0.943%
210	13.171	13.156	13.237	VV	7213	294386	3.07%	0.341%
211	13.270	13.237	13.306	VV	106566	1438116	15.00%	1.663%
212	13.321	13.306	13.339	VV	7077	122260	1.28%	0.141%
213	13.351	13.339	13.370	VV	6848	117710	1.23%	0.136%
214	13.403	13.370	13.425	VV	14550	273020	2.85%	0.316%
215	13.448	13.425	13.475	VV	13006	238494	2.49%	0.276%
216	13.490	13.475	13.510	VV	5342	100899	1.05%	0.117%
217	13.555	13.510	13.606	VV	5636	254253	2.65%	0.294%
218	13.626	13.606	13.644	VV	4460	87493	0.91%	0.101%
219	13.650	13.644	13.669	VV	3927	58169	0.61%	0.067%
220	13.682	13.669	13.697	VV	4057	66303	0.69%	0.077%
221	13.715	13.697	13.727	VV	4059	68201	0.71%	0.079%
222	13.734	13.727	13.755	VV	3755	60498	0.63%	0.070%
223	13.786	13.755	13.810	VV	4689	128598	1.34%	0.149%
224	13.839	13.810	13.853	VV	4761	105250	1.10%	0.122%
225	13.881	13.853	13.922	VV	5897	192713	2.01%	0.223%
226	13.945	13.922	13.972	VV	5323	134756	1.41%	0.156%
227	14.008	13.972	14.053	VV	9933	256574	2.68%	0.297%
228	14.104	14.053	14.123	VV	4651	165837	1.73%	0.192%
229	14.173	14.123	14.202	VV	34909	555914	5.80%	0.643%
230	14.216	14.202	14.243	VV	3509	84120	0.88%	0.097%
231	14.261	14.243	14.288	VV	4199	97250	1.01%	0.112%
232	14.305	14.288	14.336	VV	4039	102583	1.07%	0.119%
233	14.385	14.336	14.425	VV	81397	1102371	11.50%	1.275%
234	14.458	14.425	14.484	VV	4340	127719	1.33%	0.148%
235	14.506	14.484	14.524	VV	10259	166289	1.74%	0.192%
236	14.545	14.524	14.571	VV	17996	270515	2.82%	0.313%
237	14.588	14.571	14.621	VV	4570	112332	1.17%	0.130%
238	14.646	14.621	14.656	VV	3279	66510	0.69%	0.077%
239	14.677	14.656	14.706	VV	5309	114534	1.20%	0.132%
240	14.723	14.706	14.742	VV	2970	60555	0.63%	0.070%
241	14.750	14.742	14.804	VV	2837	95553	1.00%	0.111%
242	14.809	14.804	14.817	VV	2480	19077	0.20%	0.022%
243	14.831	14.817	14.867	VV	2676	70977	0.74%	0.082%
244	14.919	14.867	14.995	VV	22542	512402	5.35%	0.593%
245	15.009	14.995	15.035	VV	3068	69044	0.72%	0.080%
246	15.063	15.035	15.107	VV	15577	294143	3.07%	0.340%

247	15.138	15.107	15.162	VV	2933	86088	0.90%	0.100%
248	15.175	15.162	15.186	VV	2601	35731	0.37%	0.041%
249	15.227	15.186	15.249	VV	2669	93981	0.98%	0.109%
250	15.262	15.249	15.282	VV	2609	49415	0.52%	0.057%
251	15.297	15.282	15.335	VV	2533	74459	0.78%	0.086%
252	15.381	15.335	15.399	VV	3175	102519	1.07%	0.119%
253	15.417	15.399	15.474	VV	3207	120043	1.25%	0.139%
254	15.480	15.474	15.490	VV	2149	20977	0.22%	0.024%
255	15.495	15.490	15.502	VV	2242	14982	0.16%	0.017%
256	15.522	15.502	15.535	VV	3017	50420	0.53%	0.058%
257	15.560	15.535	15.592	VV	21595	323390	3.37%	0.374%
258	15.610	15.592	15.687	VV	2690	115414	1.20%	0.133%
259	15.725	15.687	15.759	VV	2521	89353	0.93%	0.103%
260	15.772	15.759	15.800	VV	1971	46104	0.48%	0.053%
261	15.809	15.800	15.849	VV	2136	55861	0.58%	0.065%
262	15.870	15.849	15.900	VV	2194	61952	0.65%	0.072%
263	15.929	15.900	15.977	VV	3769	120804	1.26%	0.140%
264	16.041	15.977	16.080	VV	19918	371430	3.88%	0.430%
265	16.114	16.080	16.152	VV	4096	116920	1.22%	0.135%
266	16.169	16.152	16.192	VV	3314	64536	0.67%	0.075%
267	16.209	16.192	16.216	VV	2660	35165	0.37%	0.041%
268	16.235	16.216	16.266	VV	2958	77038	0.80%	0.089%
269	16.288	16.266	16.311	VV	2552	64257	0.67%	0.074%
270	16.339	16.311	16.362	VV	3191	81884	0.85%	0.095%
271	16.415	16.362	16.447	VV	3544	147007	1.53%	0.170%
272	16.505	16.447	16.531	VV	25152	428227	4.47%	0.495%
273	16.548	16.531	16.592	VV	6041	127169	1.33%	0.147%
274	16.603	16.592	16.617	VV	2407	32379	0.34%	0.037%
275	16.630	16.617	16.649	VV	2239	39352	0.41%	0.046%
276	16.660	16.649	16.682	VV	2206	41646	0.43%	0.048%
277	16.709	16.682	16.739	VV	2348	74570	0.78%	0.086%
278	16.748	16.739	16.767	VV	2134	32481	0.34%	0.038%
279	16.794	16.767	16.827	VV	3411	100091	1.04%	0.116%
280	16.837	16.827	16.857	VV	2582	43612	0.46%	0.050%
281	16.875	16.857	16.907	VV	3109	78138	0.82%	0.090%
282	16.954	16.907	17.009	VV	22971	405136	4.23%	0.469%
283	17.024	17.009	17.041	VV	2203	40978	0.43%	0.047%
284	17.089	17.041	17.110	VV	2690	100925	1.05%	0.117%
285	17.168	17.110	17.194	VV	2741	126925	1.32%	0.147%
286	17.232	17.194	17.264	VV	4334	128765	1.34%	0.149%
287	17.281	17.264	17.305	VV	3259	69522	0.73%	0.080%
288	17.387	17.305	17.442	VV	24246	510594	5.33%	0.591%
289	17.476	17.442	17.517	VV	4798	161790	1.69%	0.187%
290	17.534	17.517	17.563	VV	3746	86032	0.90%	0.100%
291	17.590	17.563	17.620	VV	2929	91454	0.95%	0.106%
292	17.672	17.620	17.694	VV	5544	174369	1.82%	0.202%
293	17.704	17.694	17.717	VV	4567	58799	0.61%	0.068%
294	17.740	17.717	17.782	VV	10044	252508	2.63%	0.292%
295	17.808	17.782	17.840	VV	22779	387356	4.04%	0.448%
296	17.850	17.840	17.867	VV	3576	53559	0.56%	0.062%
297	17.880	17.867	17.915	VV	3314	90267	0.94%	0.104%
298	17.934	17.915	17.992	VV	3300	140072	1.46%	0.162%
299	18.016	17.992	18.040	VV	4208	102985	1.07%	0.119%

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300	18.067	18.040	18.094	VV	5172	133436	1.39%	0.154%
301	18.115	18.094	18.138	VV	3990	93325	0.97%	0.108%
302	18.215	18.138	18.250	VBA	19475	472683	4.93%	0.547%

Sum of corrected areas: 86453396

Aromatic EPH 102324.M Tue Nov 12 03:28:12 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.4	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051128.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		7.96		0.48	1.26	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		23.9	E	0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		21.6		0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		3.03		1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		12.7		2.26	2.52	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

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-06	Acq On:	08 Nov 2024 20:08
Client Sample ID:	EX-11-TPH-3	Operator:	YP\AJ
Data file:	FE051128.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	13276873	94.893	300	ug/ml
Aliphatic C12-C16	6.759	10.191	40076054	284.964	200	ug/ml
Aliphatic C16-C21	10.192	13.550	35408456	257.015	300	ug/ml
Aliphatic C21-C28	13.551	17.206	4839801	36.131	400	ug/ml
Aliphatic C28-C40	17.207	22.053	19418342	150.824	600	ug/ml
Aliphatic EPH	3.140	22.053	113019526	823.826		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4016554	35.38		ug/ml
Aliphatic C9-C28	3.140	17.206	93601184	673.003	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051128.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 20:08
Operator : YP\AJ
Sample : P4721-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 00:43:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.285	4016554	35.378 ug/mlm
Spiked Amount 50.000		Recovery = 70.76%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051128.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 20:08
Operator : YP\AJ
Sample : P4721-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

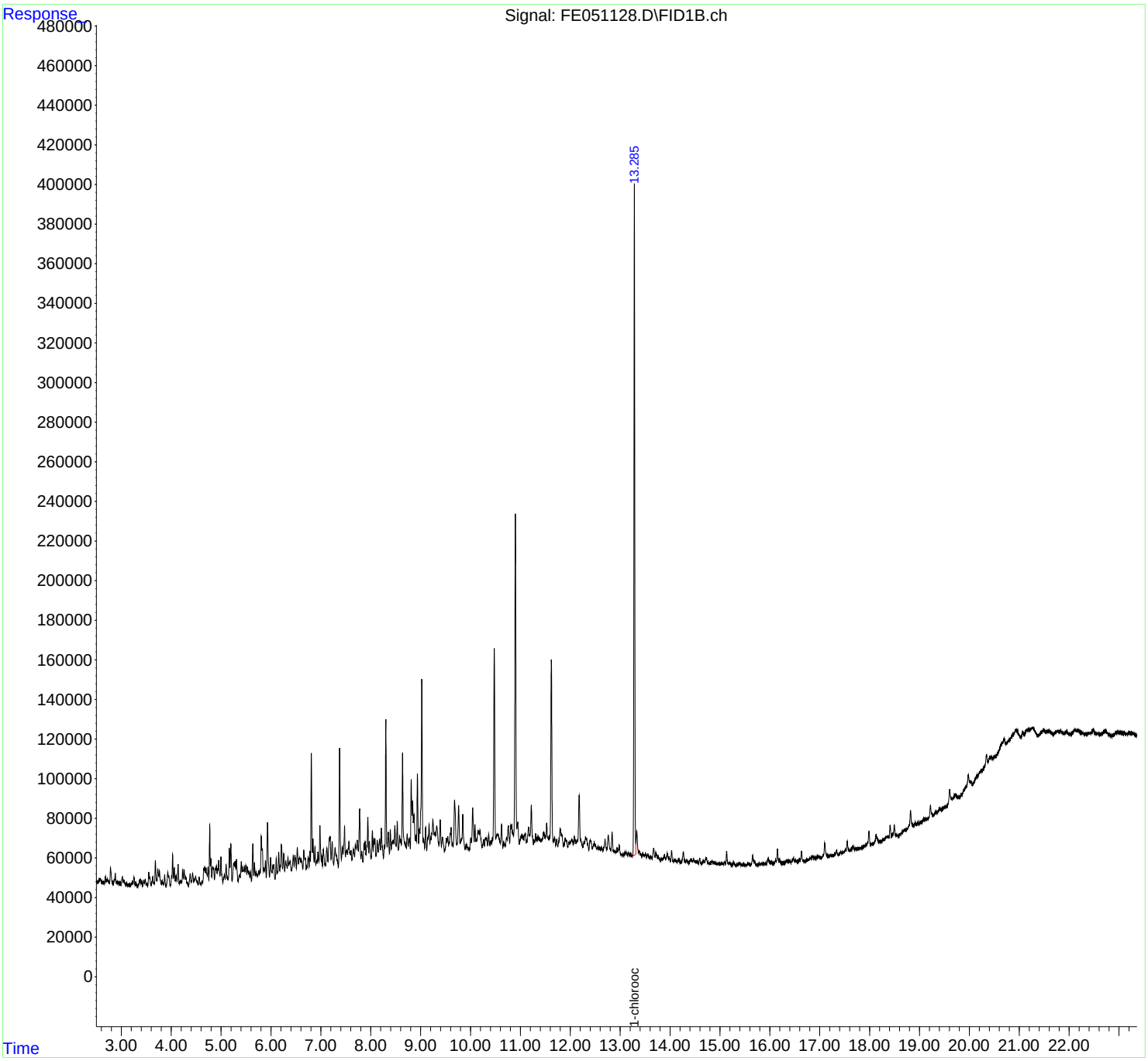
Integration File: sample.E
Quant Time: Nov 09 00:43:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

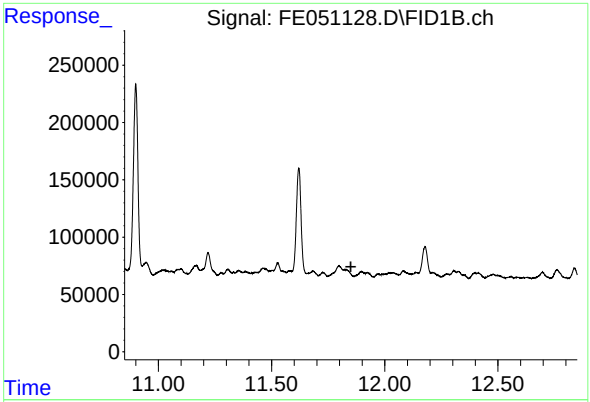
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3

Manual Integrations APPROVED

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





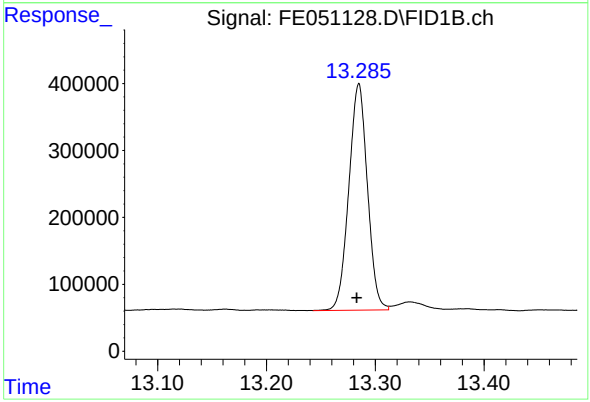
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3

Manual Integrations APPROVED

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: 0.002 min
Response: 4016554
Conc: 35.38 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11092
Data File : FE051128.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 20:08
Sample : P4721-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.205	3.232	PV	595	5055	0.12%	0.004%
2	3.254	3.232	3.275	PV	3230	33913	0.78%	0.029%
3	3.288	3.275	3.331	PV	513	5527	0.13%	0.005%
4	3.380	3.331	3.396	PV	3371	62730	1.44%	0.053%
5	3.410	3.396	3.430	VV	2351	28202	0.65%	0.024%
6	3.450	3.430	3.464	VV	2848	35647	0.82%	0.030%
7	3.480	3.464	3.504	VV	3415	46457	1.06%	0.039%
8	3.518	3.504	3.531	VV	1176	12932	0.30%	0.011%
9	3.551	3.531	3.594	VV	6986	125868	2.88%	0.107%
10	3.629	3.594	3.665	VV	4538	88076	2.02%	0.075%
11	3.683	3.665	3.714	VV	12687	175940	4.03%	0.149%
12	3.733	3.714	3.752	VV	8631	134372	3.08%	0.114%
13	3.765	3.752	3.801	VV	7608	122722	2.81%	0.104%
14	3.820	3.801	3.849	VV	2441	45919	1.05%	0.039%
15	3.869	3.849	3.896	VV	5576	62814	1.44%	0.053%
16	3.932	3.896	3.981	VV	6897	158817	3.64%	0.135%
17	4.029	3.981	4.047	VV	15979	230835	5.29%	0.196%
18	4.063	4.047	4.081	VV	9175	121040	2.77%	0.103%
19	4.097	4.081	4.116	VV	5245	80654	1.85%	0.068%
20	4.139	4.116	4.163	VV	10872	150053	3.44%	0.127%
21	4.178	4.163	4.188	VV	2188	25402	0.58%	0.022%
22	4.200	4.188	4.211	VV	2509	30057	0.69%	0.025%
23	4.231	4.211	4.245	VV	8527	104041	2.38%	0.088%
24	4.260	4.245	4.278	VV	8223	111964	2.57%	0.095%
25	4.295	4.278	4.344	VV	4178	93167	2.14%	0.079%
26	4.381	4.344	4.411	PV	6097	107821	2.47%	0.091%
27	4.430	4.411	4.455	VV	6113	105101	2.41%	0.089%
28	4.490	4.455	4.513	VV	4593	108765	2.49%	0.092%
29	4.520	4.513	4.537	VV	2151	22014	0.50%	0.019%
30	4.559	4.537	4.598	VV	4249	67883	1.56%	0.058%
31	4.617	4.598	4.629	VV	2071	25949	0.59%	0.022%
32	4.673	4.629	4.687	VV	8574	220459	5.05%	0.187%
33	4.698	4.687	4.724	VV	8817	146576	3.36%	0.124%
34	4.739	4.724	4.754	VV	9155	113483	2.60%	0.096%
35	4.773	4.754	4.813	VV	30520	465927	10.68%	0.395%
36	4.832	4.813	4.842	VV	9153	130541	2.99%	0.111%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3

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Manual IntegrationsAPPROVED

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

37	4.848	4.842	4.868	VV	8640	94810	2.17%	0.080%
38	4.905	4.868	4.918	VV	9665	215569	4	
39	4.929	4.918	4.937	VV	8275	86561	1	
40	4.952	4.937	4.978	VV	12355	203426	4	
41	4.997	4.978	5.035	VV	14021	233408	5	
42	5.067	5.035	5.083	VV	4999	97413	2	
43	5.101	5.083	5.141	VV	9982	176109	4.04%	0.149%
44	5.165	5.141	5.178	VV	18155	216306	4.96%	0.183%
45	5.196	5.178	5.220	VV	20359	287114	6.58%	0.243%
46	5.262	5.220	5.273	VV	10624	241288	5.53%	0.204%
47	5.284	5.273	5.295	VV	11426	131681	3.02%	0.112%
48	5.307	5.295	5.342	VV	12398	190534	4.37%	0.161%
49	5.371	5.342	5.382	VV	4540	81858	1.88%	0.069%
50	5.405	5.382	5.419	VV	11235	167049	3.83%	0.142%
51	5.428	5.419	5.441	VV	8367	96468	2.21%	0.082%
52	5.467	5.441	5.479	VV	8648	164392	3.77%	0.139%
53	5.497	5.479	5.515	VV	9215	160182	3.67%	0.136%
54	5.529	5.515	5.554	VV	8259	152702	3.50%	0.129%
55	5.563	5.554	5.577	VV	5789	67252	1.54%	0.057%
56	5.590	5.577	5.609	VV	5919	73563	1.69%	0.062%
57	5.636	5.609	5.655	VV	20036	275575	6.32%	0.234%
58	5.669	5.655	5.687	VV	10501	134283	3.08%	0.114%
59	5.701	5.687	5.733	VV	5925	125228	2.87%	0.106%
60	5.752	5.733	5.765	VV	6246	95900	2.20%	0.081%
61	5.806	5.765	5.846	VV	23871	603458	13.83%	0.511%
62	5.856	5.846	5.868	VV	7689	93343	2.14%	0.079%
63	5.889	5.868	5.906	VV	11467	170697	3.91%	0.145%
64	5.931	5.906	5.971	VV	30574	536171	12.29%	0.454%
65	5.993	5.971	6.022	VV	12794	230559	5.28%	0.195%
66	6.056	6.022	6.081	VV	9256	227103	5.20%	0.192%
67	6.105	6.081	6.122	VV	12274	164678	3.77%	0.140%
68	6.156	6.122	6.176	VV	15470	277165	6.35%	0.235%
69	6.209	6.176	6.234	VV	19152	407028	9.33%	0.345%
70	6.256	6.234	6.275	VV	14645	246639	5.65%	0.209%
71	6.297	6.275	6.324	VV	10870	256728	5.88%	0.218%
72	6.341	6.324	6.356	VV	12616	184830	4.24%	0.157%
73	6.385	6.356	6.410	VV	10316	287854	6.60%	0.244%
74	6.448	6.410	6.466	VV	13401	315394	7.23%	0.267%
75	6.481	6.466	6.509	VV	13570	277280	6.35%	0.235%
76	6.528	6.509	6.553	VV	17300	322036	7.38%	0.273%
77	6.576	6.553	6.591	VV	12280	258033	5.91%	0.219%
78	6.601	6.591	6.638	VV	10948	270566	6.20%	0.229%
79	6.659	6.638	6.706	VV	15979	447578	10.26%	0.379%
80	6.747	6.706	6.765	VV	11751	324339	7.43%	0.275%
81	6.780	6.765	6.790	VV	15393	178507	4.09%	0.151%
82	6.810	6.790	6.832	VV	64677	848219	19.44%	0.719%
83	6.843	6.832	6.866	VV	21294	323764	7.42%	0.274%
84	6.882	6.866	6.901	VV	17388	256314	5.87%	0.217%
85	6.916	6.901	6.925	VV	10189	139983	3.21%	0.119%
86	6.943	6.925	6.961	VV	14842	256830	5.89%	0.218%
87	6.982	6.961	7.010	VV	28232	506603	11.61%	0.429%
88	7.020	7.010	7.033	VV	12771	152107	3.49%	0.129%
89	7.050	7.033	7.094	VV	16018	405328	9.29%	0.344%

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90	7.121	7.094	7.141	VV	16344	358725	8.22%	0.304%
91	7.187	7.141	7.206	VV	22459	669952	15	
92	7.228	7.206	7.257	VV	19753	425234	9	
93	7.287	7.257	7.350	VV	16646	653931	14	
94	7.377	7.350	7.412	VV	66669	1028229	23	
95	7.432	7.412	7.446	VV	17174	289015	6	
96	7.476	7.446	7.494	VV	27003	541725	12.41%	0.459%
97	7.519	7.494	7.534	VV	15011	336197	7.70%	0.285%
98	7.563	7.534	7.593	VV	19336	546756	12.53%	0.463%
99	7.605	7.593	7.625	VV	14869	246499	5.65%	0.209%
100	7.653	7.625	7.676	VV	15375	399619	9.16%	0.339%
101	7.693	7.676	7.705	VV	17817	266355	6.10%	0.226%
102	7.730	7.705	7.750	VV	19922	472029	10.82%	0.400%
103	7.777	7.750	7.805	VV	35725	707708	16.22%	0.600%
104	7.820	7.805	7.843	VV	14204	269588	6.18%	0.228%
105	7.866	7.843	7.876	VV	18234	281997	6.46%	0.239%
106	7.888	7.876	7.904	VV	19184	267653	6.13%	0.227%
107	7.943	7.904	7.959	VV	31156	650415	14.91%	0.551%
108	7.973	7.959	8.007	VV	19100	425810	9.76%	0.361%
109	8.033	8.007	8.049	VV	24560	424446	9.73%	0.360%
110	8.064	8.049	8.075	VV	20660	286031	6.56%	0.242%
111	8.084	8.075	8.104	VV	20145	287983	6.60%	0.244%
112	8.131	8.104	8.149	VV	19569	417916	9.58%	0.354%
113	8.179	8.149	8.195	VV	20004	472553	10.83%	0.400%
114	8.213	8.195	8.255	VV	25581	628443	14.40%	0.533%
115	8.303	8.255	8.329	VV	80111	1318838	30.22%	1.118%
116	8.352	8.329	8.374	VV	23321	506140	11.60%	0.429%
117	8.393	8.374	8.412	VV	24458	417833	9.58%	0.354%
118	8.448	8.412	8.463	VV	19035	553066	12.67%	0.469%
119	8.483	8.463	8.508	VV	26669	557927	12.79%	0.473%
120	8.531	8.508	8.552	VV	28485	540760	12.39%	0.458%
121	8.579	8.552	8.592	VV	21398	422976	9.69%	0.358%
122	8.600	8.592	8.613	VV	19204	236903	5.43%	0.201%
123	8.638	8.613	8.708	VV	63403	1508512	34.57%	1.278%
124	8.730	8.708	8.750	VV	21915	477375	10.94%	0.405%
125	8.771	8.750	8.791	VV	19417	442074	10.13%	0.375%
126	8.811	8.791	8.827	VV	49297	738170	16.92%	0.626%
127	8.839	8.827	8.854	VV	38766	547219	12.54%	0.464%
128	8.866	8.854	8.892	VV	31885	613602	14.06%	0.520%
129	8.905	8.892	8.916	VV	21492	290339	6.65%	0.246%
130	8.936	8.916	8.960	VV	52364	839710	19.24%	0.712%
131	8.976	8.960	8.985	VV	24517	324280	7.43%	0.275%
132	9.023	8.985	9.051	VV	99219	1793039	41.09%	1.520%
133	9.061	9.051	9.080	VV	19092	302658	6.94%	0.257%
134	9.099	9.080	9.122	VV	25195	488499	11.20%	0.414%
135	9.169	9.122	9.187	VV	26602	780024	17.88%	0.661%
136	9.202	9.187	9.210	VV	20024	270869	6.21%	0.230%
137	9.246	9.210	9.273	VV	28909	885088	20.28%	0.750%
138	9.289	9.273	9.302	VV	22207	388762	8.91%	0.329%
139	9.322	9.302	9.367	VV	25780	827058	18.95%	0.701%
140	9.393	9.367	9.417	VV	28833	632159	14.49%	0.536%
141	9.437	9.417	9.478	VV	19916	615955	14.12%	0.522%

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142	9.515	9.478	9.527	VV	19409	468151	10.73%	0.397%
143	9.544	9.527	9.562	VV	20243	379289	8	
144	9.611	9.562	9.651	VV	24647	1004667	23	
145	9.681	9.651	9.727	VV	38182	1147183	26	
146	9.762	9.727	9.791	VV	35493	893575	20	
147	9.845	9.791	9.889	VV	31171	1155809	26	
148	9.922	9.889	9.958	VV	15576	599666	13.74%	0.508%
149	9.967	9.958	9.979	VV	13914	174045	3.99%	0.148%
150	10.005	9.979	10.020	VV	19065	405292	9.29%	0.343%
151	10.044	10.020	10.074	VV	34303	805918	18.47%	0.683%
152	10.089	10.074	10.109	VV	25817	438960	10.06%	0.372%
153	10.168	10.109	10.180	VV	22582	861200	19.74%	0.730%
154	10.192	10.180	10.231	VV	22832	578905	13.27%	0.491%
155	10.263	10.231	10.279	VV	17894	460814	10.56%	0.391%
156	10.302	10.279	10.312	VV	18935	341139	7.82%	0.289%
157	10.320	10.312	10.343	VV	18571	327503	7.51%	0.278%
158	10.365	10.343	10.388	VV	20622	465675	10.67%	0.395%
159	10.404	10.388	10.418	VV	16579	294216	6.74%	0.249%
160	10.438	10.418	10.446	VV	18875	294271	6.74%	0.249%
161	10.477	10.446	10.506	VV	113706	1915407	43.90%	1.623%
162	10.539	10.506	10.551	VV	20438	534837	12.26%	0.453%
163	10.556	10.551	10.598	VV	20382	509845	11.68%	0.432%
164	10.623	10.598	10.648	VV	25272	576750	13.22%	0.489%
165	10.668	10.648	10.698	VV	15743	447632	10.26%	0.379%
166	10.757	10.698	10.785	VV	24486	992747	22.75%	0.841%
167	10.806	10.785	10.815	VV	24648	371803	8.52%	0.315%
168	10.825	10.815	10.862	VV	25090	629543	14.43%	0.534%
169	10.900	10.862	10.929	VV	181032	3002634	68.81%	2.545%
170	10.945	10.929	10.977	VV	26050	626994	14.37%	0.531%
171	11.025	10.977	11.068	VV	19355	974611	22.34%	0.826%
172	11.100	11.068	11.131	VV	20468	691707	15.85%	0.586%
173	11.166	11.131	11.186	VV	23320	668421	15.32%	0.566%
174	11.219	11.186	11.262	VV	34318	1015956	23.28%	0.861%
175	11.278	11.262	11.288	VV	16715	248045	5.68%	0.210%
176	11.307	11.288	11.338	VV	19911	535133	12.26%	0.454%
177	11.356	11.338	11.373	VV	18529	362638	8.31%	0.307%
178	11.384	11.373	11.409	VV	17751	370427	8.49%	0.314%
179	11.463	11.409	11.493	VV	20533	914692	20.96%	0.775%
180	11.527	11.493	11.565	VV	25309	848877	19.45%	0.719%
181	11.620	11.565	11.656	VV	108142	2208232	50.61%	1.871%
182	11.683	11.656	11.708	VV	18032	501620	11.50%	0.425%
183	11.727	11.708	11.748	VV	16538	361250	8.28%	0.306%
184	11.797	11.748	11.818	VV	22260	748345	17.15%	0.634%
185	11.828	11.818	11.863	VV	19178	452603	10.37%	0.384%
186	11.896	11.863	11.950	VV	17390	795475	18.23%	0.674%
187	11.971	11.950	11.981	VV	14977	263385	6.04%	0.223%
188	11.993	11.981	12.000	VV	14875	168137	3.85%	0.142%
189	12.036	12.000	12.061	VV	16069	562940	12.90%	0.477%
190	12.082	12.061	12.116	VV	17747	520176	11.92%	0.441%
191	12.139	12.116	12.151	VV	16278	327026	7.49%	0.277%
192	12.178	12.151	12.250	VV	38631	1227958	28.14%	1.041%
193	12.306	12.250	12.371	VV	17596	1062419	24.35%	0.900%
194	12.398	12.371	12.448	VV	15566	627475	14.38%	0.532%

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195	12.479	12.448	12.535	VV	14203	667629	15.30%	0.566%
196	12.557	12.535	12.571	VV	12296	252829	5	
197	12.585	12.571	12.611	VV	11534	275333	6	
198	12.628	12.611	12.648	VV	11409	246738	5	
199	12.697	12.648	12.732	VV	16025	628769	14	
200	12.761	12.732	12.811	VV	17877	634784	14	
201	12.838	12.811	12.918	VV	19412	755745	17.32%	0.640%
202	12.946	12.918	12.958	VV	10579	243991	5.59%	0.207%
203	12.981	12.958	13.045	VV	12269	487844	11.18%	0.413%
204	13.055	13.045	13.073	VV	8157	135357	3.10%	0.115%
205	13.117	13.073	13.144	VV	9060	354225	8.12%	0.300%
206	13.162	13.144	13.185	VV	9058	196858	4.51%	0.167%
207	13.202	13.185	13.237	VV	7857	233979	5.36%	0.198%
208	13.285	13.237	13.315	VV	345386	4363499	100.00%	3.698%
209	13.332	13.315	13.368	VV	19665	457518	10.49%	0.388%
210	13.383	13.368	13.432	VV	9339	315798	7.24%	0.268%
211	13.453	13.432	13.485	VV	7676	228376	5.23%	0.194%
212	13.508	13.485	13.535	VV	7713	213186	4.89%	0.181%
213	13.549	13.535	13.598	VV	7369	251234	5.76%	0.213%
214	13.613	13.598	13.635	VV	6766	136906	3.14%	0.116%
215	13.671	13.635	13.698	VV	10640	291350	6.68%	0.247%
216	13.717	13.698	13.743	VV	8221	188537	4.32%	0.160%
217	13.755	13.743	13.801	VV	6217	193073	4.42%	0.164%
218	13.833	13.801	13.844	VV	4869	119987	2.75%	0.102%
219	13.884	13.844	13.915	VV	6975	238566	5.47%	0.202%
220	13.944	13.915	13.967	VV	7634	197328	4.52%	0.167%
221	13.981	13.967	14.006	VV	6048	116345	2.67%	0.099%
222	14.032	14.006	14.063	VV	9188	196906	4.51%	0.167%
223	14.082	14.063	14.149	VV	4207	195174	4.47%	0.165%
224	14.175	14.149	14.213	VV	4404	138433	3.17%	0.117%
225	14.266	14.213	14.295	VV	8176	236619	5.42%	0.201%
226	14.305	14.295	14.311	VV	3470	34172	0.78%	0.029%
227	14.331	14.311	14.381	VV	4153	137769	3.16%	0.117%
228	14.412	14.381	14.454	VV	4083	151087	3.46%	0.128%
229	14.472	14.454	14.519	VV	4325	130014	2.98%	0.110%
230	14.542	14.519	14.569	VV	3065	82451	1.89%	0.070%
231	14.595	14.569	14.634	VV	4579	111690	2.56%	0.095%
232	14.659	14.634	14.694	VV	3145	95059	2.18%	0.081%
233	14.723	14.694	14.790	VV	4910	174479	4.00%	0.148%
234	14.842	14.790	14.863	VV	3241	100223	2.30%	0.085%
235	14.884	14.863	14.928	VV	2484	80609	1.85%	0.068%
236	14.949	14.928	14.965	VV	1692	34387	0.79%	0.029%
237	14.971	14.965	15.006	VV	1856	37572	0.86%	0.032%
238	15.016	15.006	15.024	VV	1569	15477	0.35%	0.013%
239	15.043	15.024	15.071	VV	1779	42291	0.97%	0.036%
240	15.091	15.071	15.108	VV	2704	42850	0.98%	0.036%
241	15.134	15.108	15.175	VV	7763	135269	3.10%	0.115%
242	15.196	15.175	15.248	VV	1732	50565	1.16%	0.043%
243	15.275	15.248	15.314	VV	1918	45252	1.04%	0.038%
244	15.332	15.314	15.354	VV	614	12251	0.28%	0.010%
245	15.382	15.354	15.416	VV	1285	32823	0.75%	0.028%
246	15.432	15.416	15.451	VV	639	12217	0.28%	0.010%

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247	15.465	15.451	15.515	VV	829	20674	0.47%	0.018%
248	15.563	15.515	15.628	VV	1190	41527	[illegible]	
249	15.654	15.628	15.728	VV	5142	132296	[illegible]	
250	15.742	15.728	15.767	VV	488	8397	[illegible]	
251	15.787	15.767	15.819	PV	873	15471	[illegible]	
252	15.842	15.819	15.851	VV	622	9699	[illegible]	
253	15.865	15.851	15.897	VV	616	15207	0.35%	0.013%
254	15.909	15.897	15.928	VV	721	9873	0.23%	0.008%
255	15.967	15.928	16.024	VV	3054	85906	1.97%	0.073%
256	16.037	16.024	16.084	VV	887	19840	0.45%	0.017%
257	16.113	16.084	16.129	VV	2055	31479	0.72%	0.027%
258	16.152	16.129	16.180	VV	7698	112921	2.59%	0.096%
259	16.192	16.180	16.228	VV	1709	33238	0.76%	0.028%
260	16.240	16.228	16.265	VV	317	2699	0.06%	0.002%
261	16.348	16.265	16.369	PV	1273	30894	0.71%	0.026%
262	16.388	16.369	16.431	VV	682	17243	0.40%	0.015%
263	16.471	16.431	16.500	VV	1927	50766	1.16%	0.043%
264	16.514	16.500	16.558	VV	1046	18467	0.42%	0.016%
265	16.593	16.558	16.601	PV	893	12083	0.28%	0.010%
266	16.635	16.601	16.695	VV	5244	86913	1.99%	0.074%
267	16.851	16.695	16.884	PV	1508	67619	1.55%	0.057%
268	16.904	16.884	16.919	VV	748	12276	0.28%	0.010%
269	16.974	16.919	16.999	VV	916	35426	0.81%	0.030%
270	17.102	16.999	17.173	VV	7234	161156	3.69%	0.137%
271	17.215	17.173	17.251	VV	485	13520	0.31%	0.011%
272	17.339	17.251	17.380	VV	2144	52186	1.20%	0.044%
273	17.416	17.380	17.444	PV	780	16860	0.39%	0.014%
274	17.515	17.444	17.528	VV	1796	46906	1.07%	0.040%
275	17.552	17.528	17.601	VV	5769	103215	2.37%	0.087%
276	17.621	17.601	17.631	VV	1064	14771	0.34%	0.013%
277	17.667	17.631	17.703	VV	2118	59007	1.35%	0.050%
278	17.750	17.703	17.771	VV	764	26134	0.60%	0.022%
279	17.784	17.771	17.797	VV	427	4760	0.11%	0.004%
280	17.835	17.797	17.861	VV	732	13061	0.30%	0.011%
281	17.987	17.861	18.018	PV	7542	179970	4.12%	0.153%
282	18.031	18.018	18.042	VV	620	6785	0.16%	0.006%
283	18.058	18.042	18.071	VV	476	6925	0.16%	0.006%
284	18.129	18.071	18.208	VV	4570	131022	3.00%	0.111%
285	18.235	18.208	18.247	VV	392	7698	0.18%	0.007%
286	18.276	18.247	18.289	VV	991	19706	0.45%	0.017%
287	18.336	18.289	18.351	VV	1772	46445	1.06%	0.039%
288	18.362	18.351	18.381	VV	1739	26335	0.60%	0.022%
289	18.411	18.381	18.438	VV	6827	115265	2.64%	0.098%
290	18.495	18.438	18.548	VV	5986	137115	3.14%	0.116%
291	18.559	18.548	18.583	VV	541	6622	0.15%	0.006%
292	18.720	18.583	18.732	PV	1314	65863	1.51%	0.056%
293	18.821	18.732	18.891	VV	9443	268648	6.16%	0.228%
294	18.916	18.891	18.940	VV	2399	41877	0.96%	0.035%
295	18.965	18.940	18.985	VV	1695	27130	0.62%	0.023%
296	19.114	18.985	19.161	VV	1454	105647	2.42%	0.090%
297	19.220	19.161	19.281	VV	6778	165546	3.79%	0.140%
298	19.331	19.281	19.345	VV	2017	61090	1.40%	0.052%
299	19.407	19.345	19.434	VV	2236	98379	2.25%	0.083%

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300	19.477	19.434	19.486	VV	1715	52259	1.20%	0.044%
301	19.605	19.486	19.651	VV	9426	362703	8	
302	19.719	19.651	19.773	VV	5340	316012	7	
303	19.788	19.773	19.805	VV	3334	60168	1	
304	19.979	19.805	20.067	VV	11768	975302	22	
305	20.161	20.067	20.175	VV	9087	489194	11	
306	20.256	20.175	20.265	VV	10299	528752	12.12%	0.448%
307	20.344	20.265	20.369	VV	16928	798481	18.30%	0.677%
308	20.404	20.369	20.415	VV	14947	376221	8.62%	0.319%
309	20.432	20.415	20.471	VV	14713	473663	10.86%	0.401%
310	20.525	20.471	20.533	VV	13857	507927	11.64%	0.430%
311	20.700	20.533	20.724	VV	20168	1951094	44.71%	1.654%
312	20.749	20.724	20.756	VV	17624	335623	7.69%	0.284%
313	20.804	20.756	20.817	VV	18410	651330	14.93%	0.552%
314	20.931	20.817	21.037	VV	21444	2539647	58.20%	2.152%
315	21.067	21.037	21.091	VV	18537	570340	13.07%	0.483%
316	21.142	21.091	21.157	VV	18311	691664	15.85%	0.586%
317	21.193	21.157	21.218	VV	18313	662765	15.19%	0.562%
318	21.256	21.218	21.265	VV	17915	496970	11.39%	0.421%
319	21.278	21.265	21.368	VV	17904	948106	21.73%	0.804%
320	21.441	21.368	21.455	VV	13069	661725	15.17%	0.561%
321	21.478	21.455	21.539	VV	13994	667200	15.29%	0.565%
322	21.558	21.539	21.580	VV	12296	288657	6.62%	0.245%
323	21.595	21.580	21.677	VV	11833	615910	14.12%	0.522%
324	21.759	21.677	21.797	VV	9366	656739	15.05%	0.557%
325	21.829	21.797	21.899	VV	8496	470961	10.79%	0.399%
326	21.950	21.899	21.995	VV	6722	341825	7.83%	0.290%
327	22.005	21.995	22.016	VV	4663	58616	1.34%	0.050%
328	22.119	22.016	22.129	VV	5277	312550	7.16%	0.265%
329	22.138	22.129	22.153	VV	4974	67182	1.54%	0.057%
330	22.173	22.153	22.332	VV	4471	232225	5.32%	0.197%

Sum of corrected areas: 117994984

Aliphatic EPH 110724.M Mon Nov 11 00:56:05 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-3DL		SDG No.:	P4721	
Lab Sample ID:	P4721-06DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.4	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051141.D	2	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.34		0.96	2.52	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	23.4		0.60	1.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	24.4		0.76	2.52	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	3.60		2.01	3.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.7		4.53	5.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	18.0		40 - 140	72%	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:	P4721-06DL	Acq On:	11 Nov 2024 11:11
Client Sample ID:	EX-11-TPH-3DL	Operator:	YP\AJ
Data file:	FE051141.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	58411820	425.939		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	2047221	18.03		ug/ml
Aliphatic C9-C12	3.140	6.760	6123699	43.767	300	ug/ml
Aliphatic C12-C16	6.761	10.193	19627135	139.56	200	ug/ml
Aliphatic C16-C21	10.194	13.553	20059819	145.606	300	ug/ml
Aliphatic C21-C28	13.554	17.209	2878039	21.486	400	ug/ml
Aliphatic C28-C40	17.210	22.059	9723128	75.52	600	ug/ml
Aliphatic C9-C28	3.140	17.209	48688692	350.419	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051141.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 11:11
Operator : YP\AJ
Sample : P4721-06DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.287	2047221	18.032 ug/mlm
Spiked Amount 50.000		Recovery = 36.06%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051141.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 11:11
Operator : YP\AJ
Sample : P4721-06DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

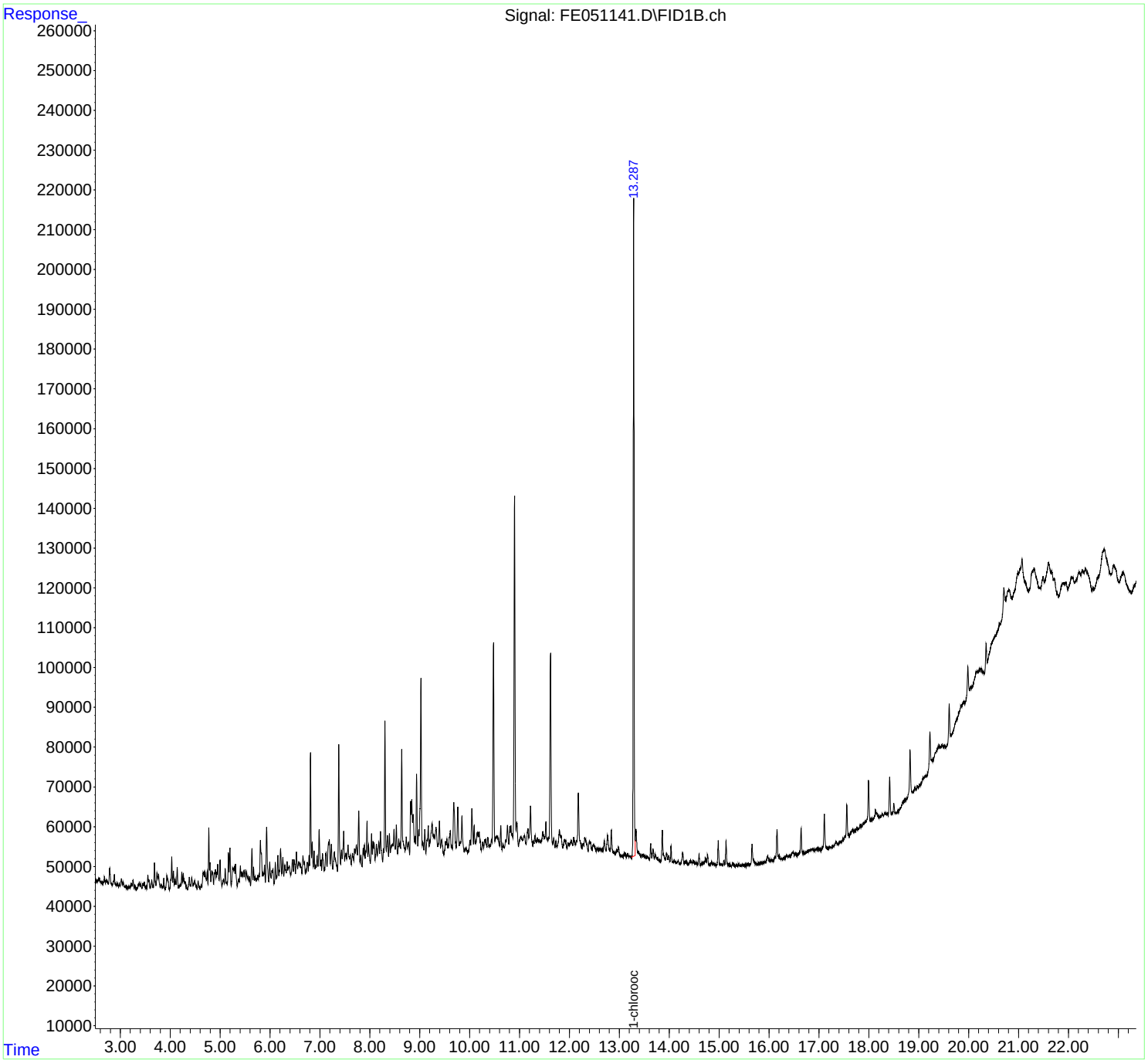
Integration File: autoint1.e
Quant Time: Nov 11 20:46:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

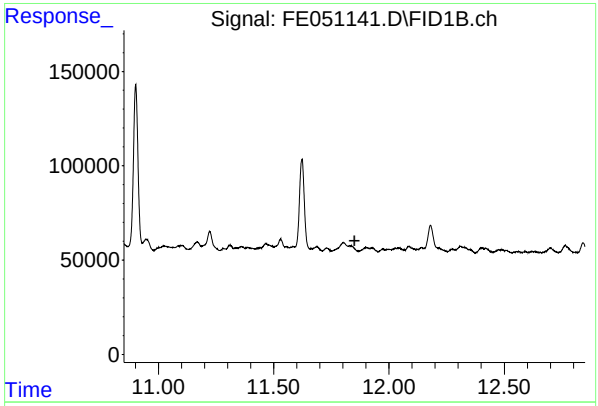
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024





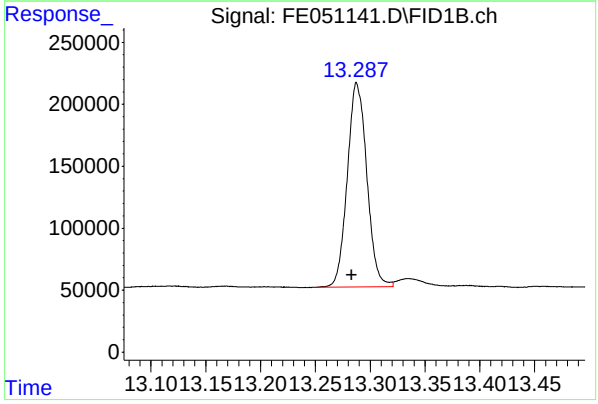
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: 0.004 min
Response: 2047221
Conc: 18.03 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051141.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 11:11
Sample : P4721-06DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.519	3.504	3.532	BV	338	2372	0.11%	0.004%
2	3.552	3.532	3.594	PV	3333	56786	2.57%	0.097%
3	3.630	3.594	3.663	VV	2172	37219	1.68%	0.064%
4	3.685	3.663	3.718	VV	6507	86664	3.92%	0.148%
5	3.735	3.718	3.753	VV	3979	60607	2.74%	0.104%
6	3.766	3.753	3.802	VV	3751	59566	2.69%	0.102%
7	3.821	3.802	3.854	VV	1160	22252	1.01%	0.038%
8	3.871	3.854	3.897	VV	2803	28805	1.30%	0.049%
9	3.933	3.897	3.984	PV	3472	78866	3.56%	0.135%
10	4.031	3.984	4.048	PV	8190	116461	5.26%	0.199%
11	4.064	4.048	4.082	VV	4629	60570	2.74%	0.104%
12	4.098	4.082	4.118	VV	2607	40757	1.84%	0.070%
13	4.140	4.118	4.164	VV	5588	74179	3.35%	0.127%
14	4.180	4.164	4.190	VV	1065	12713	0.57%	0.022%
15	4.202	4.190	4.212	VV	1221	13435	0.61%	0.023%
16	4.232	4.212	4.246	VV	4372	52443	2.37%	0.090%
17	4.261	4.246	4.281	VV	4084	58114	2.63%	0.099%
18	4.297	4.281	4.348	VV	2050	43797	1.98%	0.075%
19	4.382	4.348	4.411	PV	3135	51822	2.34%	0.089%
20	4.431	4.411	4.457	VV	2959	51616	2.33%	0.088%
21	4.491	4.457	4.541	VV	2298	61328	2.77%	0.105%
22	4.560	4.541	4.601	VV	2083	31052	1.40%	0.053%
23	4.619	4.601	4.630	VV	890	9966	0.45%	0.017%
24	4.675	4.630	4.688	VV	4188	104296	4.71%	0.179%
25	4.700	4.688	4.725	VV	4224	71092	3.21%	0.122%
26	4.740	4.725	4.755	VV	4470	54189	2.45%	0.093%
27	4.774	4.755	4.789	VV	15369	161163	7.28%	0.276%
28	4.797	4.789	4.815	VV	6638	68588	3.10%	0.117%
29	4.833	4.815	4.869	VV	4498	108293	4.89%	0.185%
30	4.907	4.869	4.919	VV	4814	102446	4.63%	0.175%
31	4.953	4.919	4.979	VV	6059	138609	6.27%	0.237%
32	4.999	4.979	5.037	VV	7126	111218	5.03%	0.190%
33	5.070	5.037	5.084	VV	2268	43626	1.97%	0.075%
34	5.103	5.084	5.142	VV	4890	79973	3.61%	0.137%
35	5.167	5.142	5.180	VV	8880	103810	4.69%	0.178%
36	5.197	5.180	5.222	VV	10079	138145	6.24%	0.237%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

37	5.251	5.222	5.275	VV	4985	113372	5.12%	0.194%
38	5.285	5.275	5.297	VV	5269	61406	2	
39	5.309	5.297	5.343	VV	5946	87378	3	
40	5.373	5.343	5.384	VV	2017	34656	1	
41	5.407	5.384	5.421	VV	5416	77245	3	
42	5.430	5.421	5.442	VV	3938	44024	1	
43	5.468	5.442	5.481	VV	4136	77731	3.51%	0.133%
44	5.500	5.481	5.517	VV	4459	74824	3.38%	0.128%
45	5.531	5.517	5.555	VV	3897	67725	3.06%	0.116%
46	5.565	5.555	5.579	VV	2466	31523	1.42%	0.054%
47	5.592	5.579	5.610	VV	2570	29697	1.34%	0.051%
48	5.638	5.610	5.657	VV	9663	130803	5.91%	0.224%
49	5.671	5.657	5.689	VV	4990	60907	2.75%	0.104%
50	5.702	5.689	5.734	VV	2635	53440	2.42%	0.091%
51	5.754	5.734	5.767	VV	2819	43636	1.97%	0.075%
52	5.779	5.767	5.787	VV	3049	30528	1.38%	0.052%
53	5.808	5.787	5.848	VV	11592	257686	11.65%	0.441%
54	5.857	5.848	5.869	VV	3483	40229	1.82%	0.069%
55	5.890	5.869	5.908	VV	5480	79824	3.61%	0.137%
56	5.932	5.908	5.972	VV	14773	254970	11.52%	0.437%
57	5.995	5.972	6.024	VV	6103	104711	4.73%	0.179%
58	6.058	6.024	6.082	VV	4307	100288	4.53%	0.172%
59	6.107	6.082	6.124	VV	5895	74114	3.35%	0.127%
60	6.157	6.124	6.178	VV	7617	128199	5.79%	0.219%
61	6.211	6.178	6.236	VV	9273	191197	8.64%	0.327%
62	6.258	6.236	6.276	VV	7091	113623	5.14%	0.195%
63	6.299	6.276	6.326	VV	5219	118653	5.36%	0.203%
64	6.343	6.326	6.358	VV	5989	86380	3.90%	0.148%
65	6.388	6.358	6.414	VV	4723	133938	6.05%	0.229%
66	6.450	6.414	6.468	VV	6442	142773	6.45%	0.244%
67	6.484	6.468	6.511	VV	6369	127674	5.77%	0.219%
68	6.530	6.511	6.555	VV	8371	151223	6.84%	0.259%
69	6.578	6.555	6.594	VV	5832	123508	5.58%	0.211%
70	6.606	6.594	6.641	VV	5099	122110	5.52%	0.209%
71	6.662	6.641	6.683	VV	7262	137008	6.19%	0.235%
72	6.691	6.683	6.708	VV	5751	70301	3.18%	0.120%
73	6.719	6.708	6.727	VV	3675	38211	1.73%	0.065%
74	6.749	6.727	6.767	VV	5586	111346	5.03%	0.191%
75	6.812	6.767	6.834	VV	33174	501074	22.65%	0.858%
76	6.846	6.834	6.869	VV	10641	158313	7.16%	0.271%
77	6.884	6.869	6.903	VV	8373	120570	5.45%	0.206%
78	6.918	6.903	6.927	VV	4798	63629	2.88%	0.109%
79	6.945	6.927	6.962	VV	7062	119420	5.40%	0.204%
80	6.985	6.962	7.012	VV	13727	243936	11.03%	0.418%
81	7.022	7.012	7.036	VV	5988	70721	3.20%	0.121%
82	7.053	7.036	7.097	VV	7670	188877	8.54%	0.323%
83	7.124	7.097	7.144	VV	7869	170007	7.68%	0.291%
84	7.189	7.144	7.208	VV	10999	322734	14.59%	0.553%
85	7.230	7.208	7.259	VV	9834	201155	9.09%	0.344%
86	7.289	7.259	7.352	VV	7889	308819	13.96%	0.529%
87	7.379	7.352	7.414	VV	34682	505477	22.85%	0.865%
88	7.434	7.414	7.448	VV	8305	136837	6.18%	0.234%
89	7.477	7.448	7.497	VV	13057	264705	11.96%	0.453%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

rteres

90	7.521	7.497	7.536	VV	7406	158849	7.18%	0.272%
91	7.565	7.536	7.595	VV	9502	261360	11	
92	7.608	7.595	7.628	VV	7003	117625	5	
93	7.654	7.628	7.678	VV	7257	187361	8	
94	7.695	7.678	7.711	VV	8491	146623	6	
95	7.731	7.711	7.752	VV	9409	206854	9	
96	7.779	7.752	7.807	VV	17904	344550	15.57%	0.590%
97	7.822	7.807	7.845	VV	6790	127247	5.75%	0.218%
98	7.868	7.845	7.879	VV	8584	133371	6.03%	0.228%
99	7.891	7.879	7.907	VV	9377	129974	5.87%	0.223%
100	7.945	7.907	7.962	VV	15303	312282	14.11%	0.535%
101	7.975	7.962	8.011	VV	9405	207293	9.37%	0.355%
102	8.036	8.011	8.051	VV	12122	201578	9.11%	0.345%
103	8.066	8.051	8.077	VV	10120	139874	6.32%	0.239%
104	8.086	8.077	8.106	VV	9865	135272	6.11%	0.232%
105	8.134	8.106	8.152	VV	9446	203313	9.19%	0.348%
106	8.181	8.152	8.197	VV	9971	229828	10.39%	0.393%
107	8.215	8.197	8.258	VV	12569	308013	13.92%	0.527%
108	8.304	8.258	8.331	VV	40243	643691	29.09%	1.102%
109	8.354	8.331	8.376	VV	11523	249857	11.29%	0.428%
110	8.394	8.376	8.414	VV	11920	206706	9.34%	0.354%
111	8.450	8.414	8.466	VV	9231	272333	12.31%	0.466%
112	8.486	8.466	8.513	VV	13009	279656	12.64%	0.479%
113	8.533	8.513	8.554	VV	14026	255097	11.53%	0.437%
114	8.581	8.554	8.594	VV	10569	208881	9.44%	0.358%
115	8.603	8.594	8.616	VV	9372	117480	5.31%	0.201%
116	8.641	8.616	8.709	VV	32876	740126	33.45%	1.267%
117	8.732	8.709	8.752	VV	10919	237105	10.72%	0.406%
118	8.775	8.752	8.799	VV	9465	237226	10.72%	0.406%
119	8.819	8.799	8.829	VV	19726	263539	11.91%	0.451%
120	8.841	8.829	8.857	VV	20269	288423	13.04%	0.494%
121	8.869	8.857	8.896	VV	16426	326794	14.77%	0.559%
122	8.908	8.896	8.919	VV	11060	143667	6.49%	0.246%
123	8.939	8.919	8.963	VV	26726	427486	19.32%	0.732%
124	9.026	8.963	9.082	VV	50407	1218692	55.08%	2.086%
125	9.103	9.082	9.125	VV	12536	243122	10.99%	0.416%
126	9.172	9.125	9.189	VV	13370	383941	17.35%	0.657%
127	9.249	9.189	9.278	VV	14086	599747	27.11%	1.027%
128	9.291	9.278	9.304	VV	10822	173010	7.82%	0.296%
129	9.328	9.304	9.364	VV	12934	390135	17.63%	0.668%
130	9.396	9.364	9.421	VV	14666	356893	16.13%	0.611%
131	9.442	9.421	9.480	VV	9918	297105	13.43%	0.509%
132	9.518	9.480	9.530	VV	9431	230830	10.43%	0.395%
133	9.546	9.530	9.563	VV	9983	181648	8.21%	0.311%
134	9.613	9.563	9.654	VV	12020	501496	22.67%	0.859%
135	9.685	9.654	9.734	VV	19017	591969	26.76%	1.013%
136	9.764	9.734	9.794	VV	17929	428673	19.38%	0.734%
137	9.847	9.794	9.893	VV	15655	576480	26.06%	0.987%
138	9.905	9.893	9.913	VV	7203	84597	3.82%	0.145%
139	9.931	9.913	9.961	VV	7656	204442	9.24%	0.350%
140	9.972	9.961	9.984	VV	6589	92991	4.20%	0.159%
141	10.009	9.984	10.022	VV	9353	190485	8.61%	0.326%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

142	10.047	10.022	10.077	VV	17287	407888	18.44%	0.698%
143	10.093	10.077	10.112	VV	13104	222567	10	
144	10.152	10.112	10.164	VV	11297	305274	13	
145	10.171	10.164	10.183	VV	11108	119542	5	
146	10.194	10.183	10.234	VV	11378	287279	12	
147	10.265	10.234	10.282	VV	8746	225128	10	
148	10.323	10.282	10.345	VV	9434	327319	14.79%	0.560%
149	10.366	10.345	10.389	VV	9913	228725	10.34%	0.392%
150	10.403	10.389	10.420	VV	8098	145451	6.57%	0.249%
151	10.440	10.420	10.449	VV	9471	156451	7.07%	0.268%
152	10.479	10.449	10.509	VV	58873	973140	43.99%	1.666%
153	10.522	10.509	10.530	VV	9954	125708	5.68%	0.215%
154	10.541	10.530	10.601	VV	10136	395740	17.89%	0.677%
155	10.626	10.601	10.651	VV	12815	282424	12.77%	0.484%
156	10.670	10.651	10.698	VV	7959	211007	9.54%	0.361%
157	10.724	10.698	10.734	VV	9044	178551	8.07%	0.306%
158	10.759	10.734	10.788	VV	12757	334504	15.12%	0.573%
159	10.807	10.788	10.817	VV	12376	181759	8.22%	0.311%
160	10.829	10.817	10.867	VV	12704	332444	15.03%	0.569%
161	10.902	10.867	10.932	VV	95430	1525128	68.93%	2.611%
162	10.947	10.932	10.980	VV	13237	317777	14.36%	0.544%
163	11.025	10.980	11.070	VV	9802	483780	21.87%	0.828%
164	11.101	11.070	11.131	VV	9990	337958	15.28%	0.579%
165	11.169	11.131	11.188	VV	11660	339486	15.34%	0.581%
166	11.223	11.188	11.266	VV	17386	528858	23.90%	0.905%
167	11.282	11.266	11.294	VV	8443	132332	5.98%	0.227%
168	11.311	11.294	11.328	VV	9889	182579	8.25%	0.313%
169	11.360	11.328	11.376	VV	9280	253860	11.47%	0.435%
170	11.387	11.376	11.421	VV	8845	227808	10.30%	0.390%
171	11.466	11.421	11.500	VV	10809	444186	20.08%	0.760%
172	11.530	11.500	11.569	VV	13257	417824	18.89%	0.715%
173	11.622	11.569	11.660	VV	55295	1131361	51.14%	1.937%
174	11.687	11.660	11.711	VV	9025	250484	11.32%	0.429%
175	11.730	11.711	11.753	VV	8407	187081	8.46%	0.320%
176	11.802	11.753	11.868	VV	11095	604570	27.33%	1.035%
177	11.901	11.868	11.921	VV	8561	244207	11.04%	0.418%
178	11.926	11.921	11.953	VV	8255	140725	6.36%	0.241%
179	11.973	11.953	11.985	VV	7587	139116	6.29%	0.238%
180	12.042	11.985	12.067	VV	8137	372786	16.85%	0.638%
181	12.086	12.067	12.118	VV	9102	245581	11.10%	0.420%
182	12.142	12.118	12.151	VV	8302	156487	7.07%	0.268%
183	12.180	12.151	12.253	VV	20162	641153	28.98%	1.098%
184	12.276	12.253	12.287	VV	7421	141537	6.40%	0.242%
185	12.310	12.287	12.375	VV	8901	394202	17.82%	0.675%
186	12.403	12.375	12.454	VV	7898	326930	14.78%	0.560%
187	12.486	12.454	12.533	VV	6987	301937	13.65%	0.517%
188	12.562	12.533	12.575	VV	6038	146340	6.61%	0.251%
189	12.591	12.575	12.603	VV	5971	97432	4.40%	0.167%
190	12.619	12.603	12.661	VV	5951	196978	8.90%	0.337%
191	12.700	12.661	12.735	VV	7823	279681	12.64%	0.479%
192	12.764	12.735	12.817	VV	9194	331051	14.96%	0.567%
193	12.842	12.817	12.902	VV	10495	326052	14.74%	0.558%
194	12.911	12.902	12.922	VV	4827	56468	2.55%	0.097%

Instrument :
FID_E
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EX-11-TPH-3DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/12/2024

					rteres			
195	12.951	12.922	12.966	VV	5479	133080	6.02%	0.228%
196	12.985	12.966	13.075	VV	6044	288730	13	
197	13.119	13.075	13.146	VV	4471	174747	7	
198	13.167	13.146	13.191	VV	4415	106726	4	
199	13.204	13.191	13.240	VV	3895	107086	4	
200	13.288	13.240	13.319	VV	168052	2212433	100	
201	13.335	13.319	13.378	VV	10383	257001	11.62%	0.440%
202	13.388	13.378	13.436	VV	4813	145103	6.56%	0.248%
203	13.452	13.436	13.486	VV	4101	115261	5.21%	0.197%
204	13.504	13.486	13.534	VV	3688	100111	4.52%	0.171%
205	13.553	13.534	13.602	VV	3596	130176	5.88%	0.223%
206	13.631	13.602	13.652	VV	6686	132197	5.98%	0.226%
207	13.676	13.652	13.701	VV	5239	122125	5.52%	0.209%
208	13.722	13.701	13.804	VV	3953	183470	8.29%	0.314%
209	13.862	13.804	13.919	VV	9831	268346	12.13%	0.459%
210	13.947	13.919	13.971	VV	4122	99638	4.50%	0.171%
211	13.988	13.971	14.013	VV	3432	70281	3.18%	0.120%
212	14.037	14.013	14.080	VV	5733	119667	5.41%	0.205%
213	14.090	14.080	14.144	VV	2092	69751	3.15%	0.119%
214	14.180	14.144	14.224	VV	2072	76251	3.45%	0.131%
215	14.272	14.224	14.305	VV	3828	110188	4.98%	0.189%
216	14.333	14.305	14.381	VV	2024	67696	3.06%	0.116%
217	14.419	14.381	14.462	VV	1978	72963	3.30%	0.125%
218	14.478	14.462	14.500	VV	1953	36910	1.67%	0.063%
219	14.513	14.500	14.524	VV	1518	19252	0.87%	0.033%
220	14.544	14.524	14.572	VV	1425	34077	1.54%	0.058%
221	14.598	14.572	14.640	VV	3474	66944	3.03%	0.115%
222	14.670	14.640	14.685	VV	1359	31236	1.41%	0.053%
223	14.728	14.685	14.749	VV	2337	64162	2.90%	0.110%
224	14.769	14.749	14.804	VV	3296	58952	2.66%	0.101%
225	14.847	14.804	14.869	VV	1320	36946	1.67%	0.063%
226	14.884	14.869	14.937	VV	1077	32965	1.49%	0.056%
227	14.981	14.937	15.030	VV	6628	108265	4.89%	0.185%
228	15.041	15.030	15.074	VV	750	16555	0.75%	0.028%
229	15.098	15.074	15.114	VV	1598	26448	1.20%	0.045%
230	15.139	15.114	15.178	VV	6490	98060	4.43%	0.168%
231	15.194	15.178	15.241	VV	760	18030	0.81%	0.031%
232	15.281	15.241	15.318	VV	849	19298	0.87%	0.033%
233	15.337	15.318	15.358	VV	290	4725	0.21%	0.008%
234	15.391	15.358	15.422	VV	565	12614	0.57%	0.022%
235	15.433	15.422	15.457	VV	291	4379	0.20%	0.007%
236	15.473	15.457	15.533	VV	472	10345	0.47%	0.018%
237	15.568	15.533	15.594	PV	549	13140	0.59%	0.022%
238	15.611	15.594	15.634	VV	409	8175	0.37%	0.014%
239	15.659	15.634	15.764	VV	5299	106564	4.82%	0.182%
240	15.793	15.764	15.818	PV	441	6874	0.31%	0.012%
241	15.843	15.818	15.857	VV	330	4797	0.22%	0.008%
242	15.881	15.857	15.898	VV	287	5273	0.24%	0.009%
243	15.918	15.898	15.933	VV	324	4980	0.23%	0.009%
244	15.973	15.933	16.028	VV	1396	39855	1.80%	0.068%
245	16.046	16.028	16.080	VV	420	8307	0.38%	0.014%
246	16.119	16.080	16.134	VV	1134	17635	0.80%	0.030%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-3DL

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/12/2024

rteres

247	16.159	16.134	16.238	VV	7736	129011	5.83%	0.221%
248	16.251	16.238	16.268	VV	151	1833	0	
249	16.357	16.268	16.381	PV	652	22001	0	
250	16.404	16.381	16.425	VV	419	8723	0	
251	16.472	16.425	16.506	VV	1145	34824	1	
252	16.520	16.506	16.561	VV	618	14172	0	
253	16.641	16.561	16.673	VV	6596	110456	4.99%	0.189%
254	16.684	16.673	16.703	VV	511	7023	0.32%	0.012%
255	16.818	16.703	16.828	VV	674	30160	1.36%	0.052%
256	16.852	16.828	16.869	VV	903	19174	0.87%	0.033%
257	16.873	16.869	16.913	VV	808	14296	0.65%	0.024%
258	16.946	16.913	16.953	VV	581	10969	0.50%	0.019%
259	16.970	16.953	17.044	VV	625	19248	0.87%	0.033%
260	17.107	17.044	17.151	VV	8898	142027	6.42%	0.243%
261	17.164	17.151	17.177	VV	265	2813	0.13%	0.005%
262	17.202	17.177	17.214	PV	260	2973	0.13%	0.005%
263	17.224	17.214	17.244	VV	255	2469	0.11%	0.004%
264	17.347	17.244	17.371	PV	1133	29297	1.32%	0.050%
265	17.436	17.371	17.456	VV	765	28500	1.29%	0.049%
266	17.521	17.456	17.530	VV	1634	49149	2.22%	0.084%
267	17.558	17.530	17.609	VV	9456	175598	7.94%	0.301%
268	17.673	17.609	17.704	VV	2746	123193	5.57%	0.211%
269	17.761	17.704	17.778	VV	2694	104510	4.72%	0.179%
270	17.840	17.778	17.861	VV	3258	138840	6.28%	0.238%
271	17.889	17.861	17.904	VV	3354	80506	3.64%	0.138%
272	17.994	17.904	18.027	VV	13652	397712	17.98%	0.681%
273	18.136	18.027	18.211	VV	5767	450492	20.36%	0.771%
274	18.217	18.211	18.228	VV	3601	35721	1.61%	0.061%
275	18.270	18.228	18.296	VV	4189	155090	7.01%	0.266%
276	18.316	18.296	18.355	VV	4114	138016	6.24%	0.236%
277	18.368	18.355	18.384	VV	3840	66334	3.00%	0.114%
278	18.417	18.384	18.456	VV	12627	271813	12.29%	0.465%
279	18.502	18.456	18.528	VV	5792	174670	7.89%	0.299%
280	18.685	18.528	18.703	VV	5661	426507	19.28%	0.730%
281	18.826	18.703	18.870	VV	17597	796766	36.01%	1.364%
282	18.924	18.870	18.944	VV	8020	329389	14.89%	0.564%
283	18.973	18.944	18.993	VV	8111	230186	10.40%	0.394%
284	19.125	18.993	19.148	VV	10177	836513	37.81%	1.432%
285	19.224	19.148	19.274	VV	20716	1015286	45.89%	1.738%
286	19.405	19.274	19.437	VV	16444	1477977	66.80%	2.530%
287	19.468	19.437	19.494	VV	16327	556755	25.16%	0.953%
288	19.518	19.494	19.534	VV	16000	378140	17.09%	0.647%
289	19.610	19.534	19.648	VV	26019	1253699	56.67%	2.146%

Sum of corrected areas: 58411824

Aliphatic EPH 110724.M Tue Nov 12 01:01:35 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-4		SDG No.:	P4721	
Lab Sample ID:	P4721-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.6	
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
11/08/24 08:47	11/11/24 11:41	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	205		20	8.85	23.3	mg/kg	FE051142.D
Aliphatic C12-C16	Aliphatic C12-C16	771		100	28.0	77.7	mg/kg	FE051143.D
Aliphatic C16-C21	Aliphatic C16-C21	520		100	35.0	116	mg/kg	FE051143.D
Aliphatic C21-C28	Aliphatic C21-C28	128		20	18.6	31.1	mg/kg	FE051142.D
Aliphatic C28-C40	Aliphatic C28-C40	150		20	41.9	46.6	mg/kg	FE051142.D
Aromatic C10-C12	Aromatic C10-C12	72.6		5	1.75	3.88	mg/kg	FF014992.D
Aromatic C12-C16	Aromatic C12-C16	347		20	7.92	23.3	mg/kg	FF014993.D
Aromatic C16-C21	Aromatic C16-C21	682		20	22.4	38.8	mg/kg	FF014993.D
Aromatic C21-C36	Aromatic C21-C36	100		5	11.7	15.5	mg/kg	FF014992.D
Total AliphaticEPH	Total AliphaticEPH	1770			132	295	mg/kg	
Total AromaticEPH	Total AromaticEPH	1200			43.8	81.5	mg/kg	
Total EPH	Total EPH	2980			176	376	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-4		SDG No.:	P4721	
Lab Sample ID:	P4721-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.6	
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
FE051129.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	181	E	0.44	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	637	E	0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	474	E	0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	160	E	0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	154	E	2.10	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.4		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:	P4721-07	Acq On:	08 Nov 2024 20:38
Client Sample ID:	EX-11-TPH-4	Operator:	YP\AJ
Data file:	FE051129.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	327655822	2340	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1154413354	8210	200	ug/ml
Aliphatic C16-C21	10.192	13.550	841947349	6110	300	ug/ml
Aliphatic C21-C28	13.551	17.206	276801433	2070	400	ug/ml
Aliphatic C28-C40	17.207	22.053	256352039	1990	600	ug/ml
Aliphatic EPH	3.140	22.053	2857169997	20700		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.295	13.295	4929156	43.42		ug/ml
Aliphatic C9-C28	3.140	17.206	2600817958	18700	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051129.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 20:38
Operator : YP\AJ
Sample : P4721-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 00:44:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	4929156	43.417 ug/mlm
Spiked Amount 50.000		Recovery = 86.83%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051129.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 20:38
Operator : YP\AJ
Sample : P4721-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

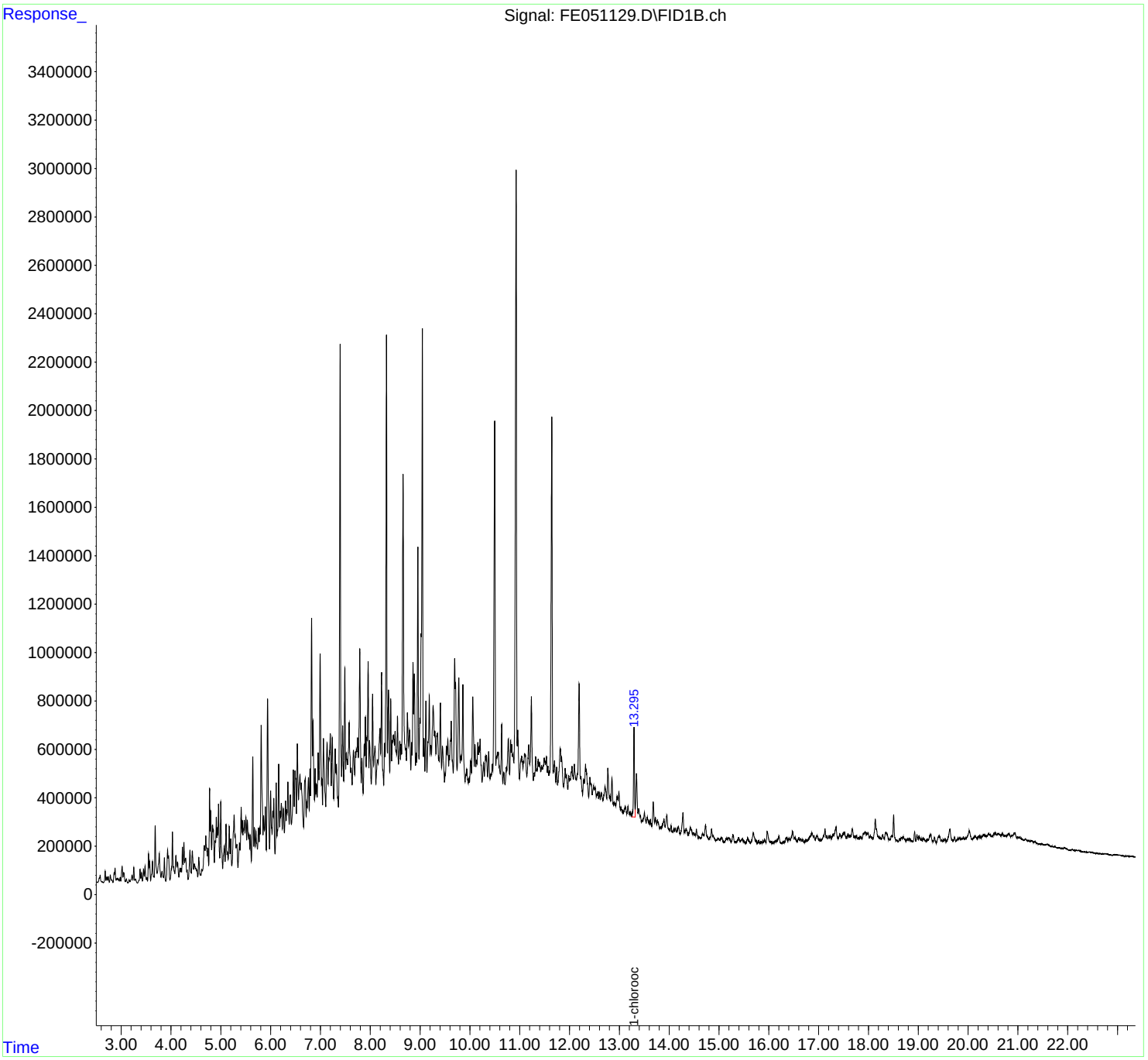
Integration File: sample.E
Quant Time: Nov 09 00:44:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

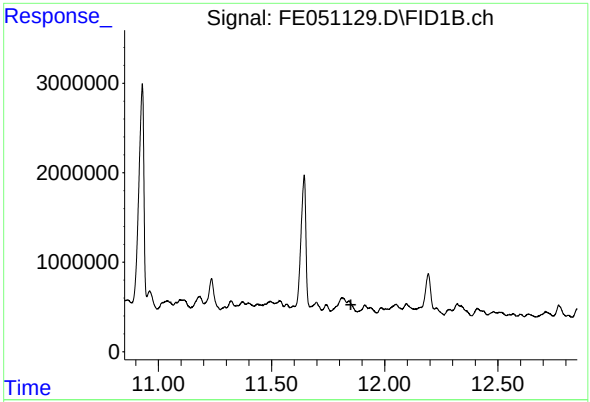
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4

Manual Integrations APPROVED

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





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4

Manual Integrations
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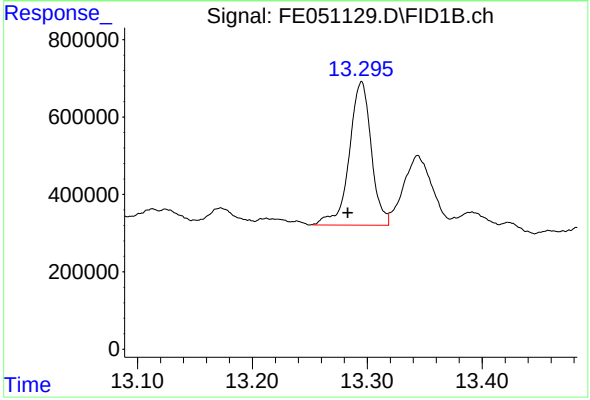

#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: 0.012 min
Response: 4929156
Conc: 43.42 ug/ml m

Instrument :
FID_E
ClientSampleId :
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rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11092
Data File : FE051129.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 20:38
Sample : P4721-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.219	3.204	3.236	PH	-94578	-1982553	-3.52%	-0.069%
2	3.254	3.236	3.274	PV	-7846	-797751	-1.42%	-0.028%
3	3.288	3.274	3.327	PV	8168	105537	0.19%	0.004%
4	3.379	3.327	3.395	PV	57011	786255	1.40%	0.027%
5	3.408	3.395	3.428	VV	42627	514799	0.91%	0.018%
6	3.449	3.428	3.464	VV	56064	719024	1.28%	0.025%
7	3.480	3.464	3.505	VV	68849	956183	1.70%	0.033%
8	3.518	3.505	3.530	VV	21734	237938	0.42%	0.008%
9	3.550	3.530	3.593	VV	120140	2336047	4.15%	0.081%
10	3.629	3.593	3.664	VV	87753	1734291	3.08%	0.060%
11	3.684	3.664	3.722	VV	236203	3484309	6.19%	0.121%
12	3.765	3.722	3.800	VV	118972	2998294	5.33%	0.104%
13	3.820	3.800	3.850	VV	44730	944868	1.68%	0.033%
14	3.868	3.850	3.896	VV	101836	1168169	2.07%	0.041%
15	3.933	3.896	3.945	VV	133727	1976872	3.51%	0.069%
16	3.951	3.945	3.980	VV	108959	1313189	2.33%	0.046%
17	4.030	3.980	4.077	VV	206880	3980024	7.07%	0.138%
18	4.099	4.077	4.119	VV	109773	1880405	3.34%	0.065%
19	4.132	4.119	4.159	VV	83144	1384489	2.46%	0.048%
20	4.179	4.159	4.189	VV	55745	740042	1.31%	0.026%
21	4.201	4.189	4.213	VV	57170	688214	1.22%	0.024%
22	4.231	4.213	4.245	VV	143723	1772140	3.15%	0.062%
23	4.260	4.245	4.277	VV	162833	2211779	3.93%	0.077%
24	4.295	4.277	4.345	VV	97247	2407539	4.28%	0.084%
25	4.381	4.345	4.407	VV	130134	2213683	3.93%	0.077%
26	4.429	4.407	4.455	VV	126652	2332994	4.14%	0.081%
27	4.471	4.455	4.513	VV	72960	1987734	3.53%	0.069%
28	4.520	4.513	4.537	VV	48762	549079	0.98%	0.019%
29	4.559	4.537	4.601	VV	98559	1855084	3.29%	0.065%
30	4.620	4.601	4.630	VV	48347	695776	1.24%	0.024%
31	4.668	4.630	4.683	VV	147073	3121247	5.54%	0.109%
32	4.700	4.683	4.729	VV	185981	3964401	7.04%	0.138%
33	4.742	4.729	4.757	VV	136762	1808071	3.21%	0.063%
34	4.776	4.757	4.788	VV	380907	4413803	7.84%	0.154%
35	4.798	4.788	4.816	VV	290113	3617718	6.43%	0.126%
36	4.835	4.816	4.870	VV	231832	5788935	10.28%	0.201%

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Manual IntegrationsAPPROVED

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rteres

37	4.910	4.870	4.922	VV	263182	5361112	9.52%	0.186%
38	4.932	4.922	4.940	VV	219584	2218950	3	
39	4.954	4.940	4.979	VV	317455	4823086	8	
40	5.000	4.979	5.038	VV	324272	5673813	10	
41	5.070	5.038	5.086	VV	143277	3045309	5	
42	5.105	5.086	5.147	VV	231984	4961005	8	
43	5.169	5.147	5.186	VV	222361	3428160	6.09%	0.119%
44	5.199	5.186	5.221	VV	171838	2511903	4.46%	0.087%
45	5.267	5.221	5.304	VV	271218	8519686	15.13%	0.296%
46	5.321	5.304	5.344	VV	148005	2837703	5.04%	0.099%
47	5.376	5.344	5.387	VV	153330	2950340	5.24%	0.103%
48	5.409	5.387	5.422	VV	299402	4621113	8.21%	0.161%
49	5.432	5.422	5.445	VV	244772	2888160	5.13%	0.100%
50	5.471	5.445	5.485	VV	246340	5185971	9.21%	0.180%
51	5.503	5.485	5.519	VV	261010	4479481	7.96%	0.156%
52	5.534	5.519	5.558	VV	245240	4848958	8.61%	0.169%
53	5.568	5.558	5.582	VV	186539	2353599	4.18%	0.082%
54	5.594	5.582	5.613	VV	183975	2610569	4.64%	0.091%
55	5.642	5.613	5.661	VV	505988	7627392	13.55%	0.265%
56	5.674	5.661	5.690	VV	215348	3069357	5.45%	0.107%
57	5.706	5.690	5.735	VV	200605	4244341	7.54%	0.148%
58	5.757	5.735	5.770	VV	214341	3701019	6.57%	0.129%
59	5.782	5.770	5.791	VV	211949	2382422	4.23%	0.083%
60	5.811	5.791	5.847	VV	636306	12830513	22.79%	0.446%
61	5.860	5.847	5.876	VV	261866	3846386	6.83%	0.134%
62	5.894	5.876	5.912	VV	301398	4845297	8.61%	0.169%
63	5.939	5.912	5.978	VV	748223	14763375	26.22%	0.514%
64	6.000	5.978	6.028	VV	365572	7261570	12.90%	0.253%
65	6.064	6.028	6.088	VV	335561	8484582	15.07%	0.295%
66	6.112	6.088	6.129	VV	396820	5871481	10.43%	0.204%
67	6.162	6.129	6.182	VV	476240	9388480	16.67%	0.327%
68	6.195	6.182	6.203	VV	280364	3224831	5.73%	0.112%
69	6.215	6.203	6.235	VV	312732	5169530	9.18%	0.180%
70	6.254	6.235	6.276	VV	290228	6082740	10.80%	0.212%
71	6.299	6.276	6.313	VV	321727	5897085	10.47%	0.205%
72	6.347	6.313	6.373	VV	399300	10761593	19.11%	0.374%
73	6.395	6.373	6.418	VV	344132	7637118	13.56%	0.266%
74	6.456	6.418	6.474	VV	448958	11023013	19.58%	0.383%
75	6.491	6.474	6.517	VV	443225	9792366	17.39%	0.341%
76	6.537	6.517	6.561	VV	554252	10944650	19.44%	0.381%
77	6.588	6.561	6.604	VV	427758	10132165	18.00%	0.352%
78	6.614	6.604	6.661	VV	394862	10787731	19.16%	0.375%
79	6.694	6.661	6.714	VV	411607	10659239	18.93%	0.371%
80	6.759	6.714	6.775	VV	413001	12218418	21.70%	0.425%
81	6.790	6.775	6.800	VV	449754	5739914	10.19%	0.200%
82	6.823	6.800	6.841	VV	1073053	17337318	30.79%	0.603%
83	6.852	6.841	6.880	VV	648188	11490251	20.41%	0.400%
84	6.894	6.880	6.908	VV	452656	6443525	11.44%	0.224%
85	6.920	6.908	6.935	VV	385713	6006583	10.67%	0.209%
86	6.954	6.935	6.971	VV	517432	9574609	17.00%	0.333%
87	6.994	6.971	7.043	VV	925447	23035516	40.91%	0.801%
88	7.061	7.043	7.106	VV	574377	15909844	28.26%	0.553%
89	7.134	7.106	7.153	VV	558066	12796522	22.73%	0.445%

Instrument :
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rteres

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90	7.198	7.153	7.217	VV	595136	18958763	33.67%	0.659%
91	7.238	7.217	7.266	VV	578664	13298102	23	
92	7.297	7.266	7.312	VV	532566	11921170	21	
93	7.322	7.312	7.361	VV	464746	11263285	20	
94	7.396	7.361	7.425	VV	2229598	36215794	64	
95	7.446	7.425	7.467	VV	625320	12674215	22	
96	7.490	7.467	7.509	VV	865763	15234664	27.06%	0.530%
97	7.521	7.509	7.546	VV	511828	10801007	19.18%	0.376%
98	7.576	7.546	7.608	VV	638767	19570355	34.76%	0.681%
99	7.617	7.608	7.637	VV	449475	7242701	12.86%	0.252%
100	7.664	7.637	7.688	VV	522919	14291349	25.38%	0.497%
101	7.745	7.688	7.762	VV	573217	22686211	40.29%	0.789%
102	7.790	7.762	7.818	VV	939631	21637134	38.43%	0.753%
103	7.833	7.818	7.857	VV	488889	9752101	17.32%	0.339%
104	7.902	7.857	7.918	VV	659054	18830792	33.44%	0.655%
105	7.957	7.918	7.974	VV	889307	20796103	36.93%	0.723%
106	7.986	7.974	8.021	VV	563807	13583367	24.12%	0.472%
107	8.047	8.021	8.066	VV	753490	14911972	26.48%	0.519%
108	8.094	8.066	8.114	VV	537299	13920309	24.72%	0.484%
109	8.147	8.114	8.159	VV	480512	12141651	21.56%	0.422%
110	8.194	8.159	8.208	VV	610538	16123156	28.64%	0.561%
111	8.227	8.208	8.270	VV	842439	20763185	36.88%	0.722%
112	8.289	8.270	8.297	VV	547591	7960221	14.14%	0.277%
113	8.325	8.297	8.346	VV	2200854	33420830	59.36%	1.162%
114	8.366	8.346	8.391	VV	763168	16299213	28.95%	0.567%
115	8.410	8.391	8.429	VV	729286	13196084	23.44%	0.459%
116	8.463	8.429	8.485	VV	582031	18515414	32.88%	0.644%
117	8.497	8.485	8.528	VV	597307	13844525	24.59%	0.482%
118	8.547	8.528	8.567	VV	656048	13054607	23.19%	0.454%
119	8.593	8.567	8.607	VV	554015	12191859	21.65%	0.424%
120	8.620	8.607	8.629	VV	542575	7045177	12.51%	0.245%
121	8.659	8.629	8.725	VV	1652509	45277114	80.41%	1.575%
122	8.745	8.725	8.768	VV	671391	14889812	26.44%	0.518%
123	8.789	8.768	8.814	VV	600016	14879436	26.43%	0.518%
124	8.858	8.814	8.870	VV	878799	20681277	36.73%	0.719%
125	8.884	8.870	8.910	VV	831850	15968231	28.36%	0.555%
126	8.955	8.910	8.978	VV	1352166	29237631	51.93%	1.017%
127	9.045	8.978	9.067	VV	2231755	52844235	93.85%	1.838%
128	9.079	9.067	9.096	VV	561661	8844400	15.71%	0.308%
129	9.117	9.096	9.138	VV	718884	14253777	25.32%	0.496%
130	9.185	9.138	9.202	VV	739956	21878276	38.86%	0.761%
131	9.215	9.202	9.229	VV	534602	8185954	14.54%	0.285%
132	9.262	9.229	9.288	VV	698272	21791509	38.70%	0.758%
133	9.298	9.288	9.318	VV	592482	10225198	18.16%	0.356%
134	9.348	9.318	9.380	VV	584041	19839559	35.24%	0.690%
135	9.407	9.380	9.432	VV	707561	17235636	30.61%	0.600%
136	9.450	9.432	9.491	VV	527319	16522922	29.35%	0.575%
137	9.530	9.491	9.541	VV	528525	13735792	24.40%	0.478%
138	9.557	9.541	9.575	VV	557678	10234023	18.18%	0.356%
139	9.585	9.575	9.591	VV	489113	4632333	8.23%	0.161%
140	9.625	9.591	9.665	VV	631926	23130639	41.08%	0.805%
141	9.695	9.665	9.743	VV	890526	29628799	52.62%	1.031%

Instrument :
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142	9.777	9.743	9.805	VV	811727	22378590	39.75%	0.778%
143	9.860	9.805	9.903	VV	778214	30327932	53	
144	9.938	9.903	9.969	VV	433000	15822285	28	
145	9.982	9.969	9.992	VV	392590	5227443	9	
146	10.014	9.992	10.031	VV	465821	10175144	18	
147	10.059	10.031	10.089	VV	731244	19500872	34	
148	10.104	10.089	10.121	VV	530129	9450994	16.79%	0.329%
149	10.135	10.121	10.143	VV	464481	6021886	10.70%	0.209%
150	10.159	10.143	10.172	VV	539221	8893839	15.80%	0.309%
151	10.205	10.172	10.245	VV	554696	20928313	37.17%	0.728%
152	10.274	10.245	10.292	VV	456682	11677626	20.74%	0.406%
153	10.314	10.292	10.324	VV	483728	8933635	15.87%	0.311%
154	10.334	10.324	10.355	VV	486569	8364971	14.86%	0.291%
155	10.377	10.355	10.403	VV	500431	12551659	22.29%	0.437%
156	10.421	10.403	10.430	VV	410396	6589958	11.70%	0.229%
157	10.451	10.430	10.460	VV	449105	7756548	13.78%	0.270%
158	10.498	10.460	10.523	VV	1870810	38198289	67.84%	1.329%
159	10.570	10.523	10.610	VV	497029	24065812	42.74%	0.837%
160	10.638	10.610	10.662	VV	612719	14934702	26.52%	0.519%
161	10.680	10.662	10.708	VV	416171	10638313	18.89%	0.370%
162	10.771	10.708	10.798	VV	551595	24340426	43.23%	0.847%
163	10.819	10.798	10.831	VV	545217	9686958	17.20%	0.337%
164	10.841	10.831	10.854	VV	527930	7082653	12.58%	0.246%
165	10.863	10.854	10.881	VV	485503	7639277	13.57%	0.266%
166	10.928	10.881	10.951	VV	2874946	56305405	100.00%	1.958%
167	10.961	10.951	10.996	VV	586044	13209522	23.46%	0.459%
168	11.039	10.996	11.065	VV	476172	18666002	33.15%	0.649%
169	11.098	11.065	11.143	VV	487178	21367746	37.95%	0.743%
170	11.182	11.143	11.202	VV	520822	16368825	29.07%	0.569%
171	11.235	11.202	11.274	VV	721846	22196830	39.42%	0.772%
172	11.321	11.274	11.351	VV	472672	19365701	34.39%	0.674%
173	11.372	11.351	11.386	VV	465461	9256117	16.44%	0.322%
174	11.398	11.386	11.422	VV	449481	9358990	16.62%	0.326%
175	11.438	11.422	11.459	VV	436715	9542870	16.95%	0.332%
176	11.494	11.459	11.514	VV	467393	14713562	26.13%	0.512%
177	11.537	11.514	11.555	VV	473331	11044170	19.61%	0.384%
178	11.567	11.555	11.583	VV	434454	7074604	12.56%	0.246%
179	11.643	11.583	11.671	VV	1884940	42938512	76.26%	1.494%
180	11.698	11.671	11.723	VV	457137	12943262	22.99%	0.450%
181	11.741	11.723	11.762	VV	428984	9213212	16.36%	0.320%
182	11.813	11.762	11.879	VV	505846	30057010	53.38%	1.045%
183	11.912	11.879	11.929	VV	422793	11551513	20.52%	0.402%
184	11.936	11.929	11.968	VV	394810	8610983	15.29%	0.300%
185	11.985	11.968	12.017	VV	392633	11083794	19.69%	0.386%
186	12.050	12.017	12.076	VV	431648	14177657	25.18%	0.493%
187	12.096	12.076	12.134	VV	439343	14085375	25.02%	0.490%
188	12.192	12.134	12.261	VV	768805	34193323	60.73%	1.189%
189	12.285	12.261	12.298	VV	372073	7678021	13.64%	0.267%
190	12.321	12.298	12.383	VV	438712	19401740	34.46%	0.675%
191	12.409	12.383	12.454	VV	383490	14697495	26.10%	0.511%
192	12.481	12.454	12.495	VV	348050	8159277	14.49%	0.284%
193	12.507	12.495	12.538	VV	336926	8329693	14.79%	0.290%
194	12.568	12.538	12.584	VV	323247	8697285	15.45%	0.303%

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rteres

195	12.600	12.584	12.617	VV	316224	5893924	10.47%	0.205%
196	12.635	12.617	12.668	VV	316492	9302639	16	
197	12.711	12.668	12.748	VV	343015	15074269	26	
198	12.769	12.748	12.802	VV	418406	11324488	20	
199	12.811	12.802	12.827	VV	302908	4568047	8	
200	12.851	12.827	12.881	VV	377949	10244216	18	
201	12.888	12.881	12.930	VV	274412	7992962	14.20%	0.278%
202	12.954	12.930	12.975	VV	299519	7649057	13.58%	0.266%
203	12.991	12.975	13.021	VV	319421	7927409	14.08%	0.276%
204	13.033	13.021	13.058	VV	254897	5500116	9.77%	0.191%
205	13.069	13.058	13.084	VV	239578	3764579	6.69%	0.131%
206	13.113	13.084	13.151	VV	257325	9776238	17.36%	0.340%
207	13.172	13.151	13.201	VV	258868	7214849	12.81%	0.251%
208	13.212	13.201	13.251	VV	231738	6728285	11.95%	0.234%
209	13.295	13.251	13.318	VV	583567	13661273	24.26%	0.475%
210	13.344	13.318	13.374	VV	393817	10272714	18.24%	0.357%
211	13.391	13.374	13.415	VV	247177	5782088	10.27%	0.201%
212	13.423	13.415	13.446	VV	220528	3868783	6.87%	0.135%
213	13.459	13.446	13.467	VV	199529	2422592	4.30%	0.084%
214	13.504	13.467	13.539	VV	231459	8962458	15.92%	0.312%
215	13.560	13.539	13.608	VV	211863	8224238	14.61%	0.286%
216	13.622	13.608	13.650	VV	202525	4734780	8.41%	0.165%
217	13.681	13.650	13.708	VV	274025	7630145	13.55%	0.265%
218	13.724	13.708	13.750	VV	210000	4990647	8.86%	0.174%
219	13.765	13.750	13.811	VV	196293	6677536	11.86%	0.232%
220	13.896	13.811	13.920	VV	200854	11644351	20.68%	0.405%
221	13.953	13.920	14.000	VV	218358	8758866	15.56%	0.305%
222	14.010	14.000	14.019	VV	160382	1817204	3.23%	0.063%
223	14.038	14.019	14.074	VV	173827	5252796	9.33%	0.183%
224	14.091	14.074	14.106	VV	160311	2965105	5.27%	0.103%
225	14.125	14.106	14.142	VV	163509	3338887	5.93%	0.116%
226	14.185	14.142	14.221	VV	170794	7353902	13.06%	0.256%
227	14.277	14.221	14.304	VV	224958	8531205	15.15%	0.297%
228	14.340	14.304	14.379	VV	159270	6692339	11.89%	0.233%
229	14.427	14.379	14.474	VV	162222	8469847	15.04%	0.295%
230	14.483	14.474	14.504	VV	141934	2500952	4.44%	0.087%
231	14.517	14.504	14.527	VV	135986	1858406	3.30%	0.065%
232	14.547	14.527	14.584	VV	156332	4585094	8.14%	0.159%
233	14.597	14.584	14.636	VV	124664	3792002	6.73%	0.132%
234	14.670	14.636	14.696	VV	138239	4669927	8.29%	0.162%
235	14.729	14.696	14.798	VV	170885	8345152	14.82%	0.290%
236	14.850	14.798	14.939	VV	155812	10455165	18.57%	0.364%
237	14.984	14.939	15.007	VV	115571	4545377	8.07%	0.158%
238	15.051	15.007	15.091	VV	119838	5661276	10.05%	0.197%
239	15.098	15.091	15.116	VV	102454	1529966	2.72%	0.053%
240	15.158	15.116	15.174	VV	115075	3849852	6.84%	0.134%
241	15.182	15.174	15.188	VV	116374	917604	1.63%	0.032%
242	15.201	15.188	15.243	VV	117889	3644584	6.47%	0.127%
243	15.280	15.243	15.325	VV	129944	5440577	9.66%	0.189%
244	15.336	15.325	15.356	VV	102028	1887832	3.35%	0.066%
245	15.396	15.356	15.435	VV	117819	5068449	9.00%	0.176%
246	15.468	15.435	15.541	VV	111304	6476904	11.50%	0.225%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4

rteres

Manual IntegrationsAPPROVED

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

247	15.577	15.541	15.629	VV	111949	5408121	9.60%	0.188%
248	15.692	15.629	15.764	VV	132714	8808865	15	
249	15.796	15.764	15.830	VV	101910	3711882	6	
250	15.845	15.830	15.863	VV	97882	1903988	3	
251	15.879	15.863	15.894	VV	100983	1798108	3	
252	15.917	15.894	15.944	VV	104551	2936087	5	
253	15.969	15.944	16.033	VV	139230	5938344	10.55%	0.207%
254	16.047	16.033	16.093	VV	97080	3326561	5.91%	0.116%
255	16.131	16.093	16.149	VV	98553	3183361	5.65%	0.111%
256	16.202	16.149	16.231	VV	116520	5126953	9.11%	0.178%
257	16.242	16.231	16.264	VV	91839	1749990	3.11%	0.061%
258	16.349	16.264	16.380	VV	111592	6842934	12.15%	0.238%
259	16.406	16.380	16.424	VV	106711	2767408	4.91%	0.096%
260	16.477	16.424	16.511	VV	134585	6031581	10.71%	0.210%
261	16.525	16.511	16.573	VV	110444	3840576	6.82%	0.134%
262	16.598	16.573	16.627	VV	109177	3308399	5.88%	0.115%
263	16.639	16.627	16.670	VV	103471	2568014	4.56%	0.089%
264	16.687	16.670	16.708	VV	98952	2173539	3.86%	0.076%
265	16.759	16.708	16.777	VV	99931	4004254	7.11%	0.139%
266	16.869	16.777	16.894	VV	126405	7852424	13.95%	0.273%
267	16.906	16.894	16.930	VV	115482	2369793	4.21%	0.082%
268	16.966	16.930	17.039	VV	114518	6854686	12.17%	0.238%
269	17.053	17.039	17.060	VV	99405	1166801	2.07%	0.041%
270	17.129	17.060	17.151	VV	143329	6294502	11.18%	0.219%
271	17.167	17.151	17.182	VV	112381	2058158	3.66%	0.072%
272	17.204	17.182	17.220	VV	112727	2465137	4.38%	0.086%
273	17.236	17.220	17.258	VV	111751	2434291	4.32%	0.085%
274	17.288	17.258	17.304	VV	119670	3144883	5.59%	0.109%
275	17.349	17.304	17.393	VV	148993	6606180	11.73%	0.230%
276	17.426	17.393	17.454	VV	119889	4013762	7.13%	0.140%
277	17.492	17.454	17.507	VV	120570	3668220	6.51%	0.128%
278	17.523	17.507	17.554	VV	127594	3286452	5.84%	0.114%
279	17.591	17.554	17.611	VV	120848	3713916	6.60%	0.129%
280	17.629	17.611	17.642	VV	113216	2070000	3.68%	0.072%
281	17.676	17.642	17.710	VV	138168	4880594	8.67%	0.170%
282	17.726	17.710	17.738	VV	109067	1782981	3.17%	0.062%
283	17.761	17.738	17.782	VV	109680	2765368	4.91%	0.096%
284	17.796	17.782	17.814	VV	103261	1938430	3.44%	0.067%
285	17.845	17.814	17.870	VV	105753	3399926	6.04%	0.118%
286	17.899	17.870	17.917	VV	120805	3118688	5.54%	0.108%
287	17.936	17.917	17.957	VV	126159	2967634	5.27%	0.103%
288	17.970	17.957	17.981	VV	120014	1685783	2.99%	0.059%
289	17.994	17.981	18.016	VV	121161	2389734	4.24%	0.083%
290	18.040	18.016	18.094	VV	110280	4746566	8.43%	0.165%
291	18.137	18.094	18.223	VV	177061	9477595	16.83%	0.330%
292	18.235	18.223	18.259	VV	102020	2127550	3.78%	0.074%
293	18.286	18.259	18.319	VV	110400	3672089	6.52%	0.128%
294	18.348	18.319	18.438	VV	120503	7413003	13.17%	0.258%
295	18.467	18.438	18.480	VV	104730	2579871	4.58%	0.090%
296	18.505	18.480	18.601	VV	191421	7822412	13.89%	0.272%
297	18.625	18.601	18.638	VV	93290	1968537	3.50%	0.068%
298	18.661	18.638	18.672	VV	97181	1959261	3.48%	0.068%
299	18.698	18.672	18.752	VV	100118	4427483	7.86%	0.154%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4

Manual IntegrationsAPPROVED

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

rteres

300	18.794	18.752	18.810	VV	91054	3102701	5.51%	0.108%
301	18.822	18.810	18.861	VV	94781	2675305		
302	18.876	18.861	18.888	VV	83751	1305972		
303	18.927	18.888	18.953	VV	119961	3690575		
304	18.974	18.953	19.000	VV	107964	2682887		
305	19.020	19.000	19.047	VV	97234	2628288		
306	19.060	19.047	19.072	VV	89688	1285725	2.28%	0.045%
307	19.106	19.072	19.155	VV	92569	4320927	7.67%	0.150%
308	19.188	19.155	19.203	VV	88412	2431817	4.32%	0.085%
309	19.252	19.203	19.294	VV	106647	5110519	9.08%	0.178%
310	19.324	19.294	19.361	VV	94673	3302007	5.86%	0.115%
311	19.411	19.361	19.458	VV	98951	5103291	9.06%	0.178%
312	19.468	19.458	19.484	VV	84372	1253968	2.23%	0.044%
313	19.498	19.484	19.510	VV	82271	1241565	2.21%	0.043%
314	19.539	19.510	19.571	VV	83293	2967528	5.27%	0.103%
315	19.636	19.571	19.698	VV	129028	7243545	12.86%	0.252%
316	19.730	19.698	19.761	VV	93103	3167903	5.63%	0.110%
317	19.794	19.761	19.804	VV	86246	2150514	3.82%	0.075%
318	19.835	19.804	19.864	VV	87337	3077910	5.47%	0.107%
319	19.875	19.864	19.890	VV	87240	1337876	2.38%	0.047%
320	19.902	19.890	19.928	VV	90284	1960354	3.48%	0.068%
321	20.025	19.928	20.085	VV	118422	8964118	15.92%	0.312%
322	20.146	20.085	20.185	VV	94726	5363855	9.53%	0.187%
323	20.205	20.185	20.213	VV	90077	1472201	2.61%	0.051%
324	20.312	20.213	20.366	VV	99580	8588311	15.25%	0.299%
325	20.414	20.366	20.468	VV	107532	6002553	10.66%	0.209%
326	20.520	20.468	20.541	VV	104149	4233245	7.52%	0.147%
327	20.551	20.541	20.576	VV	104785	2158864	3.83%	0.075%
328	20.610	20.576	20.654	VV	102715	4632299	8.23%	0.161%
329	20.689	20.654	20.724	VV	99489	4067390	7.22%	0.141%
330	20.733	20.724	20.762	VV	94345	2118912	3.76%	0.074%
331	20.821	20.762	20.856	VV	100994	5341956	9.49%	0.186%
332	20.887	20.856	20.896	VV	94768	2225838	3.95%	0.077%
333	20.935	20.896	20.981	VV	102629	4833270	8.58%	0.168%
334	21.040	20.981	21.117	VV	87571	6583203	11.69%	0.229%
335	21.153	21.117	21.194	VV	79362	3402018	6.04%	0.118%
336	21.203	21.194	21.217	VV	71153	961986	1.71%	0.033%
337	21.230	21.217	21.247	VV	71041	1226129	2.18%	0.043%
338	21.277	21.247	21.313	VV	69210	2657892	4.72%	0.092%
339	21.336	21.313	21.429	VV	66337	4177587	7.42%	0.145%
340	21.439	21.429	21.453	VV	56140	773156	1.37%	0.027%
341	21.481	21.453	21.536	VV	57172	2672409	4.75%	0.093%
342	21.590	21.536	21.672	VV	53139	3979518	7.07%	0.138%
343	21.686	21.672	21.714	VV	44095	1068207	1.90%	0.037%
344	21.745	21.714	21.794	VV	43619	1950767	3.46%	0.068%
345	21.814	21.794	21.824	VV	36770	657748	1.17%	0.023%
346	21.839	21.824	21.860	VV	36952	760578	1.35%	0.026%
347	21.877	21.860	21.891	VV	35204	650573	1.16%	0.023%
348	21.907	21.891	21.917	VV	34639	540125	0.96%	0.019%
349	21.934	21.917	21.978	VV	35673	1245042	2.21%	0.043%
350	21.987	21.978	22.034	VV	31727	939903	1.67%	0.033%
351	22.086	22.034	22.146	VV	28383	1749923	3.11%	0.061%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4

Manual IntegrationsAPPROVED

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

```
                                          rteres
 352 22.158  22.146  22.164  VV    24570    263275   0.47%  0.009%
 353 22.172  22.164  22.201  VV    24817    524160   0
 354 22.223  22.201  22.245  VV    25082    611030   1
 355 22.326  22.313  22.388  VV    17880    733665   1

 356 22.395  22.388  22.401  VBA   15697    237270   0
                     Sum of corrected areas:  28749
```

Aliphatic EPH 110724.M Mon Nov 11 00:56:34 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-4DL		SDG No.:	P4721	
Lab Sample ID:	P4721-07DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.6	
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
FE051142.D	20	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	205		8.85	23.3	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	730	E	5.59	15.5	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	517	E	6.99	23.3	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	128		18.6	31.1	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	150		41.9	46.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	2.58		40 - 140	103%	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:	P4721-07DL	Acq On:	11 Nov 2024 11:41
Client Sample ID:	EX-11-TPH-4DL	Operator:	YP\AJ
Data file:	FE051142.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	154070095	1120		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	292491	2.58		ug/ml
Aliphatic C9-C12	3.140	6.760	18512408	132.312	300	ug/ml
Aliphatic C12-C16	6.761	10.193	66112894	470.101	200	ug/ml
Aliphatic C16-C21	10.194	13.553	45913064	333.264	300	ug/ml
Aliphatic C21-C28	13.554	17.209	11095914	82.835	400	ug/ml
Aliphatic C28-C40	17.210	22.059	12435815	96.59	600	ug/ml
Aliphatic C9-C28	3.140	17.209	141634280	1020	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051142.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 11:41
Operator : YP\AJ
Sample : P4721-07DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.287	292491	2.576 ug/mlm
Spiked Amount 50.000		Recovery =	5.15%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051142.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 11:41
Operator : YP\AJ
Sample : P4721-07DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

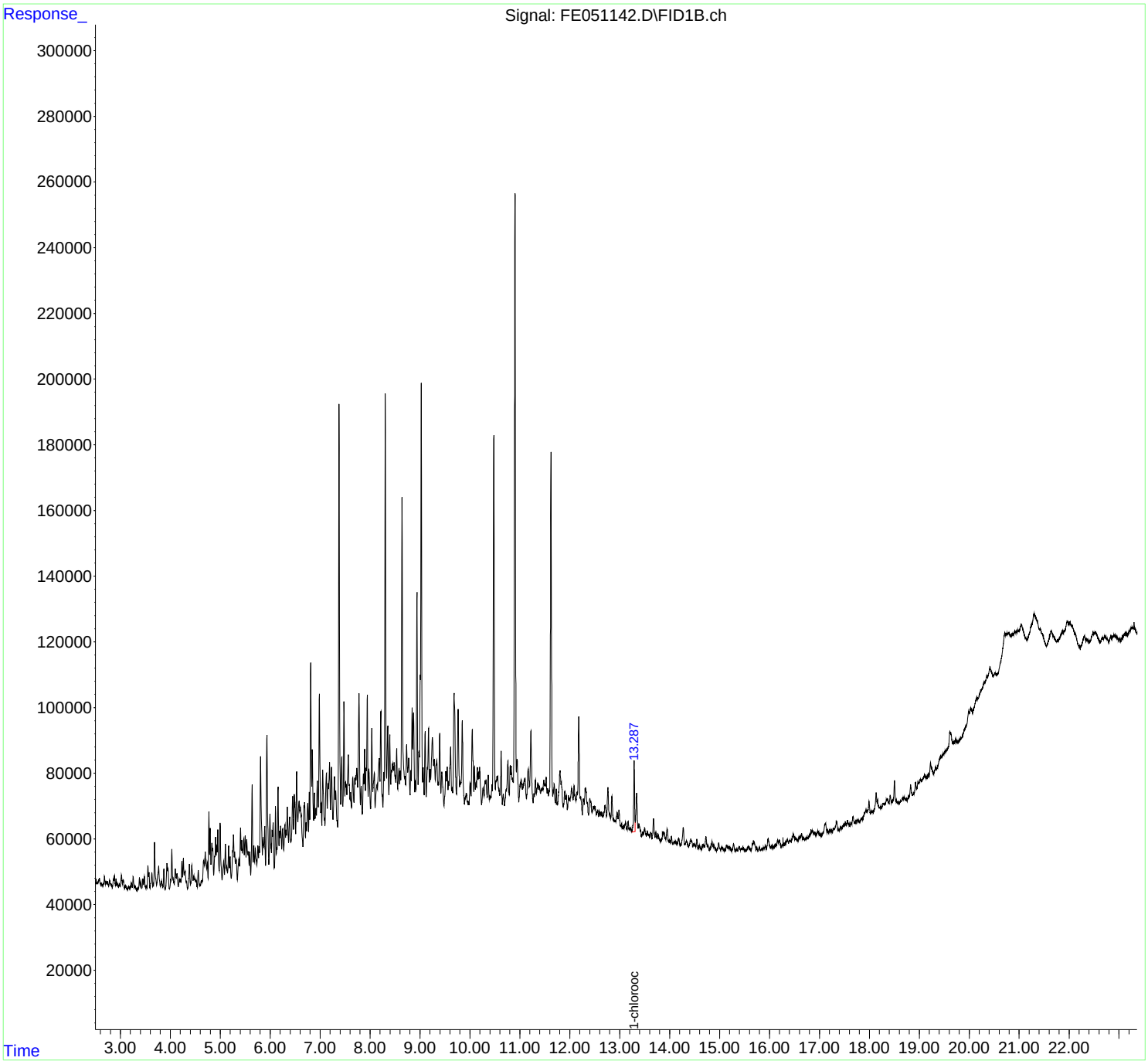
Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL

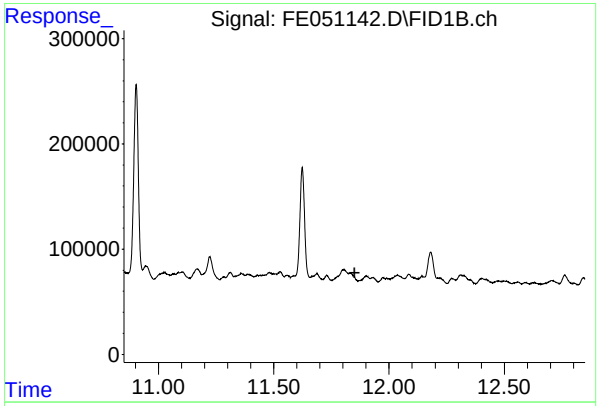
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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





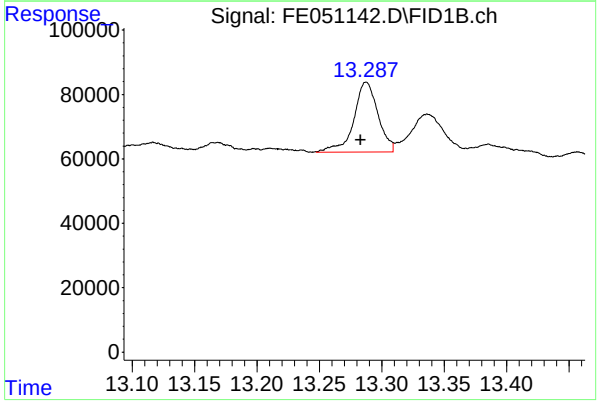
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: 0.004 min
Response: 292491
Conc: 2.58 ug/ml m

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051142.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 11:41
Sample : P4721-07DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.519	3.504	3.531	BV	646	4525	0.13%	0.003%
2	3.552	3.531	3.594	PV	6938	123875	3.60%	0.080%
3	3.630	3.594	3.664	VV	4931	87400	2.54%	0.057%
4	3.684	3.664	3.725	VV	14177	200167	5.82%	0.130%
5	3.766	3.725	3.801	VV	6969	163429	4.75%	0.106%
6	3.821	3.801	3.854	VV	2541	50982	1.48%	0.033%
7	3.870	3.854	3.897	VV	6234	63295	1.84%	0.041%
8	3.933	3.897	3.945	PV	7960	111177	3.23%	0.072%
9	3.952	3.945	3.981	VV	6404	76035	2.21%	0.049%
10	4.030	3.981	4.078	VV	12167	222220	6.46%	0.144%
11	4.099	4.078	4.120	VV	6254	104563	3.04%	0.068%
12	4.133	4.120	4.160	VV	4801	74459	2.17%	0.048%
13	4.180	4.160	4.191	VV	3017	38839	1.13%	0.025%
14	4.202	4.191	4.213	VV	2960	34536	1.00%	0.022%
15	4.232	4.213	4.245	VV	8400	98755	2.87%	0.064%
16	4.261	4.245	4.278	VV	9357	125266	3.64%	0.081%
17	4.295	4.278	4.345	VV	5420	125201	3.64%	0.081%
18	4.382	4.345	4.406	PV	7504	111763	3.25%	0.073%
19	4.429	4.406	4.455	VV	7021	126406	3.68%	0.082%
20	4.471	4.455	4.538	VV	3842	122372	3.56%	0.079%
21	4.560	4.538	4.601	VV	5338	84075	2.45%	0.055%
22	4.619	4.601	4.631	VV	2238	29180	0.85%	0.019%
23	4.668	4.631	4.684	VV	8280	165689	4.82%	0.108%
24	4.700	4.684	4.728	VV	10946	213352	6.20%	0.138%
25	4.740	4.728	4.755	VV	7890	96602	2.81%	0.063%
26	4.773	4.755	4.786	VV	22736	246683	7.17%	0.160%
27	4.797	4.786	4.815	VV	17804	215419	6.26%	0.140%
28	4.832	4.815	4.869	VV	13426	321133	9.34%	0.208%
29	4.907	4.869	4.919	VV	15168	290528	8.45%	0.189%
30	4.952	4.919	4.978	VV	17381	391600	11.39%	0.254%
31	4.998	4.978	5.037	VV	19340	313470	9.12%	0.203%
32	5.068	5.037	5.085	VV	7787	151676	4.41%	0.098%
33	5.104	5.085	5.145	VV	12868	258532	7.52%	0.168%
34	5.168	5.145	5.184	VV	12291	180435	5.25%	0.117%
35	5.197	5.184	5.220	VV	9001	125549	3.65%	0.081%
36	5.265	5.220	5.304	VV	15555	456654	13.28%	0.296%

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37	5.320	5.304	5.342	VV	7945	136151	3.96%	0.088%
38	5.373	5.342	5.385	VV	8035	144952	[illegible]	
39	5.407	5.385	5.442	VV	17606	409854	[illegible]	
40	5.468	5.442	5.481	VV	14072	271582	[illegible]	
41	5.500	5.481	5.516	VV	15032	258736	[illegible]	
42	5.531	5.516	5.555	VV	13774	259274	[illegible]	
43	5.565	5.555	5.579	VV	9915	123775	3.60%	0.080%
44	5.592	5.579	5.610	VV	9893	129262	3.76%	0.084%
45	5.638	5.610	5.658	VV	30320	419274	12.19%	0.272%
46	5.671	5.658	5.687	VV	11704	158380	4.61%	0.103%
47	5.702	5.687	5.732	VV	11043	222617	6.47%	0.144%
48	5.754	5.732	5.767	VV	11667	189633	5.51%	0.123%
49	5.779	5.767	5.786	VV	11408	118111	3.43%	0.077%
50	5.808	5.786	5.844	VV	38807	738316	21.47%	0.479%
51	5.857	5.844	5.874	VV	13961	214326	6.23%	0.139%
52	5.891	5.874	5.908	VV	17490	250083	7.27%	0.162%
53	5.934	5.908	5.973	VV	45117	838177	24.38%	0.544%
54	5.996	5.973	6.024	VV	20972	396264	11.52%	0.257%
55	6.058	6.024	6.083	VV	18349	444126	12.92%	0.288%
56	6.107	6.083	6.124	VV	23140	320209	9.31%	0.208%
57	6.157	6.124	6.177	VV	29024	520223	15.13%	0.338%
58	6.210	6.177	6.231	VV	17159	461048	13.41%	0.299%
59	6.250	6.231	6.272	VV	16404	322451	9.38%	0.209%
60	6.296	6.272	6.309	VV	17567	317471	9.23%	0.206%
61	6.318	6.309	6.326	VV	15984	159341	4.63%	0.103%
62	6.343	6.326	6.368	VV	22916	435369	12.66%	0.283%
63	6.390	6.368	6.411	VV	19975	406840	11.83%	0.264%
64	6.450	6.411	6.468	VV	25947	620583	18.05%	0.403%
65	6.484	6.468	6.511	VV	26269	553900	16.11%	0.360%
66	6.530	6.511	6.554	VV	33342	624007	18.15%	0.405%
67	6.579	6.554	6.593	VV	24438	516285	15.01%	0.335%
68	6.605	6.593	6.656	VV	22455	671550	19.53%	0.436%
69	6.690	6.656	6.707	VV	24038	576823	16.77%	0.374%
70	6.752	6.707	6.768	VV	23550	677573	19.70%	0.440%
71	6.783	6.768	6.793	VV	26823	320897	9.33%	0.208%
72	6.812	6.793	6.833	VV	66284	1010333	29.38%	0.656%
73	6.845	6.833	6.871	VV	39831	663465	19.29%	0.431%
74	6.885	6.871	6.901	VV	26561	399917	11.63%	0.260%
75	6.918	6.901	6.927	VV	21764	316748	9.21%	0.206%
76	6.945	6.927	6.963	VV	30208	546728	15.90%	0.355%
77	6.985	6.963	7.035	VV	56805	1342980	39.06%	0.872%
78	7.053	7.035	7.097	VV	33557	889628	25.87%	0.577%
79	7.126	7.097	7.144	VV	32222	730499	21.24%	0.474%
80	7.190	7.144	7.209	VV	35660	1100340	32.00%	0.714%
81	7.230	7.209	7.258	VV	34210	762965	22.19%	0.495%
82	7.288	7.258	7.302	VV	31153	663092	19.28%	0.430%
83	7.313	7.302	7.352	VV	26867	638345	18.56%	0.414%
84	7.380	7.352	7.414	VV	143714	2187355	63.61%	1.420%
85	7.434	7.414	7.455	VV	37072	707963	20.59%	0.460%
86	7.479	7.455	7.498	VV	53811	905072	26.32%	0.587%
87	7.509	7.498	7.536	VV	29279	640774	18.63%	0.416%
88	7.565	7.536	7.599	VV	37488	1136352	33.05%	0.738%
89	7.609	7.599	7.628	VV	25988	416832	12.12%	0.271%

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90	7.654	7.628	7.678	VV	30498	778089	22.63%	0.505%
91	7.735	7.678	7.753	VV	33213	1332838	38	
92	7.780	7.753	7.808	VV	56127	1261150	36	
93	7.823	7.808	7.846	VV	27607	534436	15	
94	7.868	7.846	7.877	VV	31366	494102	14	
95	7.892	7.877	7.908	VV	38981	589149	17	
96	7.945	7.908	7.963	VV	55401	1212287	35.25%	0.787%
97	7.977	7.963	8.011	VV	32703	798433	23.22%	0.518%
98	8.036	8.011	8.056	VV	45136	856330	24.90%	0.556%
99	8.084	8.056	8.103	VV	31501	785445	22.84%	0.510%
100	8.138	8.103	8.148	VV	27810	691265	20.10%	0.449%
101	8.184	8.148	8.198	VV	35871	936396	27.23%	0.608%
102	8.216	8.198	8.258	VV	50020	1193161	34.70%	0.774%
103	8.306	8.258	8.332	VV	146441	2465208	71.69%	1.600%
104	8.355	8.332	8.378	VV	45459	977338	28.42%	0.634%
105	8.396	8.378	8.416	VV	42725	761246	22.14%	0.494%
106	8.449	8.416	8.470	VV	33818	1039039	30.22%	0.674%
107	8.484	8.470	8.515	VV	34226	854060	24.84%	0.554%
108	8.534	8.515	8.554	VV	38503	748527	21.77%	0.486%
109	8.580	8.554	8.594	VV	32353	710679	20.67%	0.461%
110	8.606	8.594	8.616	VV	31474	395532	11.50%	0.257%
111	8.642	8.616	8.713	VV	114928	2704145	78.64%	1.755%
112	8.734	8.713	8.756	VV	39202	867261	25.22%	0.563%
113	8.776	8.756	8.801	VV	35154	853903	24.83%	0.554%
114	8.818	8.801	8.826	VV	31454	424475	12.34%	0.276%
115	8.844	8.826	8.856	VV	50373	730270	21.24%	0.474%
116	8.872	8.856	8.898	VV	49036	983496	28.60%	0.638%
117	8.940	8.898	8.964	VV	85153	1693144	49.24%	1.099%
118	9.027	8.964	9.053	VV	148325	3197760	93.00%	2.076%
119	9.065	9.053	9.084	VV	31991	540934	15.73%	0.351%
120	9.104	9.084	9.126	VV	43024	818018	23.79%	0.531%
121	9.172	9.126	9.191	VV	44025	1270735	36.95%	0.825%
122	9.204	9.191	9.216	VV	31431	457044	13.29%	0.297%
123	9.249	9.216	9.274	VV	41123	1243088	36.15%	0.807%
124	9.287	9.274	9.307	VV	34418	637564	18.54%	0.414%
125	9.337	9.307	9.364	VV	34163	1061847	30.88%	0.689%
126	9.396	9.364	9.421	VV	41995	1062466	30.90%	0.690%
127	9.439	9.421	9.481	VV	30410	938146	27.28%	0.609%
128	9.518	9.481	9.531	VV	30357	767939	22.33%	0.498%
129	9.547	9.531	9.563	VV	31888	564729	16.42%	0.367%
130	9.574	9.563	9.581	VV	27415	283531	8.25%	0.184%
131	9.614	9.581	9.658	VV	37842	1342457	39.04%	0.871%
132	9.684	9.658	9.731	VV	53570	1660661	48.29%	1.078%
133	9.765	9.731	9.794	VV	48915	1301940	37.86%	0.845%
134	9.805	9.794	9.815	VV	26911	320787	9.33%	0.208%
135	9.848	9.815	9.892	VV	45645	1393311	40.52%	0.904%
136	9.928	9.892	9.982	VV	23299	1154555	33.58%	0.749%
137	10.005	9.982	10.024	VV	26496	605444	17.61%	0.393%
138	10.048	10.024	10.079	VV	42610	1067161	31.03%	0.693%
139	10.093	10.079	10.110	VV	31273	517856	15.06%	0.336%
140	10.150	10.110	10.162	VV	31021	853232	24.81%	0.554%
141	10.196	10.162	10.235	VV	31069	1169797	34.02%	0.759%

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142	10.264	10.235	10.282	VV	24709	642976	18.70%	0.417%
143	10.304	10.282	10.314	VV	26836	478785	13	
144	10.323	10.314	10.346	VV	26848	480258	13	
145	10.367	10.346	10.390	VV	28497	656663	19	
146	10.409	10.390	10.424	VV	22006	442181	12	
147	10.442	10.424	10.450	VV	25531	370883	10	
148	10.480	10.450	10.509	VV	131447	2265034	65.87%	1.470%
149	10.543	10.509	10.598	VV	27757	1376429	40.03%	0.893%
150	10.627	10.598	10.650	VV	35456	819444	23.83%	0.532%
151	10.670	10.650	10.695	VV	22155	554648	16.13%	0.360%
152	10.760	10.695	10.788	VV	32416	1380142	40.14%	0.896%
153	10.809	10.788	10.819	VV	31130	514624	14.97%	0.334%
154	10.828	10.819	10.867	VV	30750	800969	23.29%	0.520%
155	10.903	10.867	10.932	VV	205568	3438631	100.00%	2.232%
156	10.946	10.932	10.980	VV	32730	790022	22.97%	0.513%
157	11.026	10.980	11.052	VV	26164	1038552	30.20%	0.674%
158	11.104	11.052	11.134	VV	26640	1209338	35.17%	0.785%
159	11.168	11.134	11.189	VV	29525	841179	24.46%	0.546%
160	11.223	11.189	11.265	VV	41244	1294310	37.64%	0.840%
161	11.311	11.265	11.336	VV	25875	957987	27.86%	0.622%
162	11.359	11.336	11.376	VV	25074	567360	16.50%	0.368%
163	11.387	11.376	11.415	VV	24147	548984	15.97%	0.356%
164	11.481	11.415	11.514	VV	25861	1415255	41.16%	0.919%
165	11.528	11.514	11.546	VV	26642	473475	13.77%	0.307%
166	11.557	11.546	11.573	VV	23262	361127	10.50%	0.234%
167	11.624	11.573	11.658	VV	125187	2519120	73.26%	1.635%
168	11.687	11.658	11.712	VV	24409	705872	20.53%	0.458%
169	11.730	11.712	11.751	VV	22760	475165	13.82%	0.308%
170	11.804	11.751	11.866	VV	28231	1588625	46.20%	1.031%
171	11.901	11.866	11.919	VV	22042	622046	18.09%	0.404%
172	11.930	11.919	11.953	VV	20724	396196	11.52%	0.257%
173	11.974	11.953	12.003	VV	20572	573943	16.69%	0.373%
174	12.037	12.003	12.066	VV	22797	788488	22.93%	0.512%
175	12.086	12.066	12.121	VV	23572	691203	20.10%	0.449%
176	12.181	12.121	12.252	VV	44481	1886158	54.85%	1.224%
177	12.273	12.252	12.289	VV	19179	392528	11.42%	0.255%
178	12.311	12.289	12.376	VV	22568	999964	29.08%	0.649%
179	12.403	12.376	12.450	VV	19242	763640	22.21%	0.496%
180	12.472	12.450	12.484	VV	16796	337065	9.80%	0.219%
181	12.498	12.484	12.533	VV	16794	462496	13.45%	0.300%
182	12.558	12.533	12.575	VV	15637	381272	11.09%	0.247%
183	12.592	12.575	12.608	VV	15014	288207	8.38%	0.187%
184	12.627	12.608	12.659	VV	14958	434689	12.64%	0.282%
185	12.706	12.659	12.738	VV	17036	716098	20.83%	0.465%
186	12.762	12.738	12.820	VV	22251	799994	23.26%	0.519%
187	12.843	12.820	12.915	VV	19520	798000	23.21%	0.518%
188	12.949	12.915	12.967	VV	14560	410716	11.94%	0.267%
189	12.985	12.967	13.021	VV	15133	411248	11.96%	0.267%
190	13.034	13.021	13.051	VV	10778	191553	5.57%	0.124%
191	13.064	13.051	13.078	VV	10190	157610	4.58%	0.102%
192	13.117	13.078	13.151	VV	11445	450605	13.10%	0.292%
193	13.168	13.151	13.244	VV	11324	538348	15.66%	0.349%
194	13.288	13.244	13.312	VV	29981	634970	18.47%	0.412%

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195	13.337	13.312	13.368	VV	19996	487567	14.18%	0.316%
196	13.385	13.368	13.437	VV	10596	375047	10	
197	13.457	13.437	13.468	VV	8190	137414	4	
198	13.500	13.468	13.531	VV	9255	301497	8	
199	13.552	13.531	13.601	VV	7982	306667	8	
200	13.622	13.609	13.652	vv	10030	239432	6	
201	13.676	13.654	13.711	vv	14292	371133	10.79%	0.241%
202	13.727	13.713	13.800	vv	9898	457208	13.30%	0.297%
203	13.864	13.801	13.918	vv	10267	606461	17.64%	0.394%
204	13.948	13.919	13.972	vv	11188	291288	8.47%	0.189%
205	13.986	13.974	14.020	vv	7621	196728	5.72%	0.128%
206	14.036	14.021	14.068	vv	8773	204555	5.95%	0.133%
207	14.114	14.068	14.152	vv	7377	340094	9.89%	0.221%
208	14.179	14.154	14.218	vv	8128	266038	7.74%	0.173%
209	14.272	14.219	14.301	vv	11215	389195	11.32%	0.253%
210	14.339	14.302	14.379	vv	7139	286119	8.32%	0.186%
211	14.420	14.381	14.465	vv	7552	315883	9.19%	0.205%
212	14.544	14.476	14.602	vv	7448	421787	12.27%	0.274%
213	14.723	14.612	14.793	vv	8085	573617	16.68%	0.372%
214	14.849	14.800	14.926	vv	6536	366544	10.66%	0.238%
215	14.980	14.933	15.027	vv	5984	242707	7.06%	0.158%
216	15.045	15.030	15.110	vv	4597	186419	5.42%	0.121%
217	15.135	15.123	15.237	vv	5169	292952	8.52%	0.190%
218	15.277	15.238	15.322	vv	5555	203736	5.92%	0.132%
219	15.392	15.323	15.417	vv	4584	214204	6.23%	0.139%
220	15.467	15.419	15.531	vv	4476	255472	7.43%	0.166%
221	15.569	15.533	15.638	vv	4615	245424	7.14%	0.159%
222	15.681	15.639	15.745	vv	6167	313040	9.10%	0.203%
223	15.918	15.746	15.937	vv	4871	448745	13.05%	0.291%
224	15.965	15.944	16.092	vv	6913	428560	12.46%	0.278%
225	16.194	16.092	16.257	vv	5875	462949	13.46%	0.300%
226	16.270	16.257	16.444	vv	6120	505606	14.70%	0.328%
227	16.474	16.445	16.569	vv	7066	414877	12.07%	0.269%
228	16.638	16.572	16.667	vv	6458	302546	8.80%	0.196%
229	16.751	16.675	16.773	vv	4536	254751	7.41%	0.165%
230	16.827	16.778	16.885	vv	6311	318227	9.25%	0.207%
231	16.966	16.886	17.017	vv	4670	313531	9.12%	0.203%
232	17.115	17.021	17.156	vv	5288	278239	8.09%	0.181%
233	17.199	17.165	17.268	vv	2269	87847	2.55%	0.057%
234	17.345	17.291	17.386	VV	2915	74689	2.17%	0.048%
235	17.422	17.386	17.444	PV	958	14731	0.43%	0.010%
236	17.520	17.444	17.540	VV	1736	55440	1.61%	0.036%
237	17.561	17.540	17.606	VV	2111	41534	1.21%	0.027%
238	17.630	17.606	17.648	PV	949	13757	0.40%	0.009%
239	17.673	17.648	17.708	VV	2434	49324	1.43%	0.032%
240	17.720	17.708	17.736	VV	551	7928	0.23%	0.005%
241	17.756	17.736	17.778	VV	820	13892	0.40%	0.009%
242	17.841	17.778	17.861	VV	850	19994	0.58%	0.013%
243	17.929	17.861	17.947	VV	2507	85669	2.49%	0.056%
244	17.992	17.947	18.018	VV	4851	117060	3.40%	0.076%
245	18.035	18.018	18.051	VV	1632	26629	0.77%	0.017%
246	18.065	18.051	18.075	VV	1462	18491	0.54%	0.012%

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	18.135	18.075	18.211	VV	6533	234175	6.81%	0.152%
248	18.229	18.211	18.247	VV	1666	31611	[illegible]	
249	18.280	18.247	18.304	VV	2228	60502	[illegible]	
250	18.341	18.304	18.353	VV	3100	68735	[illegible]	
251	18.362	18.353	18.394	VV	2996	57358	[illegible]	
252	18.417	18.394	18.438	VV	3747	66700	[illegible]	
253	18.502	18.438	18.558	VV	7693	179322	5.21%	0.116%
254	18.570	18.558	18.594	VV	874	9050	0.26%	0.006%
255	18.662	18.594	18.671	VV	1055	22223	0.65%	0.014%
256	18.697	18.671	18.751	VV	1293	31077	0.90%	0.020%
257	18.826	18.751	18.860	PV	3738	66615	1.94%	0.043%
258	18.925	18.860	18.947	PV	3076	49641	1.44%	0.032%
259	18.974	18.947	18.994	VV	2717	52894	1.54%	0.034%
260	19.025	18.994	19.044	VV	2694	67902	1.97%	0.044%
261	19.110	19.044	19.124	VV	2835	113139	3.29%	0.073%
262	19.136	19.124	19.145	VV	2083	24154	0.70%	0.016%
263	19.155	19.145	19.164	VV	1731	18687	0.54%	0.012%
264	19.224	19.164	19.279	VV	5197	175115	5.09%	0.114%
265	19.329	19.279	19.344	VV	2210	63027	1.83%	0.041%
266	19.432	19.344	19.447	VV	4101	186693	5.43%	0.121%
267	19.539	19.447	19.546	VV	4597	257650	7.49%	0.167%
268	19.613	19.546	19.673	VV	9117	490791	14.27%	0.319%
269	19.727	19.673	19.766	VV	5477	266516	7.75%	0.173%
270	19.988	19.766	20.003	VV	10376	843116	24.52%	0.547%
271	20.029	20.003	20.065	VV	10983	374660	10.90%	0.243%
272	20.304	20.065	20.318	VV	15140	1899575	55.24%	1.233%
273	20.350	20.318	20.366	VV	16369	456639	13.28%	0.296%
274	20.417	20.366	20.479	VV	18149	1110453	32.29%	0.721%
275	20.521	20.479	20.539	VV	15054	533043	15.50%	0.346%
276	20.709	20.539	20.732	VV	24546	2112427	61.43%	1.371%
277	20.751	20.732	20.773	VV	23989	591875	17.21%	0.384%
278	20.788	20.773	20.829	VV	23679	777135	22.60%	0.504%
279	20.864	20.829	20.874	VV	22349	604177	17.57%	0.392%

Sum of corrected areas: 154070090

Aliphatic EPH 110724.M Tue Nov 12 05:32:14 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-4DL		SDG No.:	P4721	
Lab Sample ID:	P4721-07DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.6	
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
FF014992.D	5	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	72.6		1.75	3.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	316	E	1.98	5.83	mg/kg
Aromatic C16-C21	Aromatic C16-C21	621	E	5.59	9.71	mg/kg
Aromatic C21-C36	Aromatic C21-C36	100		11.7	15.5	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	18.3		40 - 140	183%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	16.5		40 - 140	165%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	11.2		40 - 140	112%	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:	P4721-07DL	Acq On:	11 Nov 2024 10:50
Client Sample ID:	EX-11-TPH-4DL	Operator:	YP\AJ
Data file:	FF014992.D	Misc:	
Instrument:	FID_F	ALS Vial:	62
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.510	6.375	28884812	186.873	200	ug/ml
Aromatic C12-C16	6.376	9.068	125322653	816.111	300	ug/ml
Aromatic C16-C21	9.069	13.383	227459221	1600	500	ug/ml
Aromatic C21-C36	13.384	18.828	35525704	257.356	800	ug/ml
Aromatic EPH	4.510	18.828	417192390	2860		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	1653293	11.22		ug/ml
2-Bromonaphthalene (SURR)	7.994	7.994	2432412	18.28		ug/ml
2-Flurobiphenyl (SURR)	8.870	8.870	1469689	16.48		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014992.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 10:50
Operator : YP\AJ
Sample : P4721-07DL 5X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 11 20:47:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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_F
ClientSampleId :
EX-11-TPH-4DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.994	2432412	18.278 ug/mlm
Spiked Amount 50.000		Recovery =	36.56%
6) S 2-Flurobiphenyl (SURR)	8.870	1469689	16.479 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	32.96%
11) S ortho-Terphenyl (SURR)	11.933	1653293	11.225 ug/mlm
Spiked Amount 50.000		Recovery =	22.45%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014992.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 10:50
Operator : YP\AJ
Sample : P4721-07DL 5X
Misc :
ALS Vial : 62 Sample Multiplier: 1

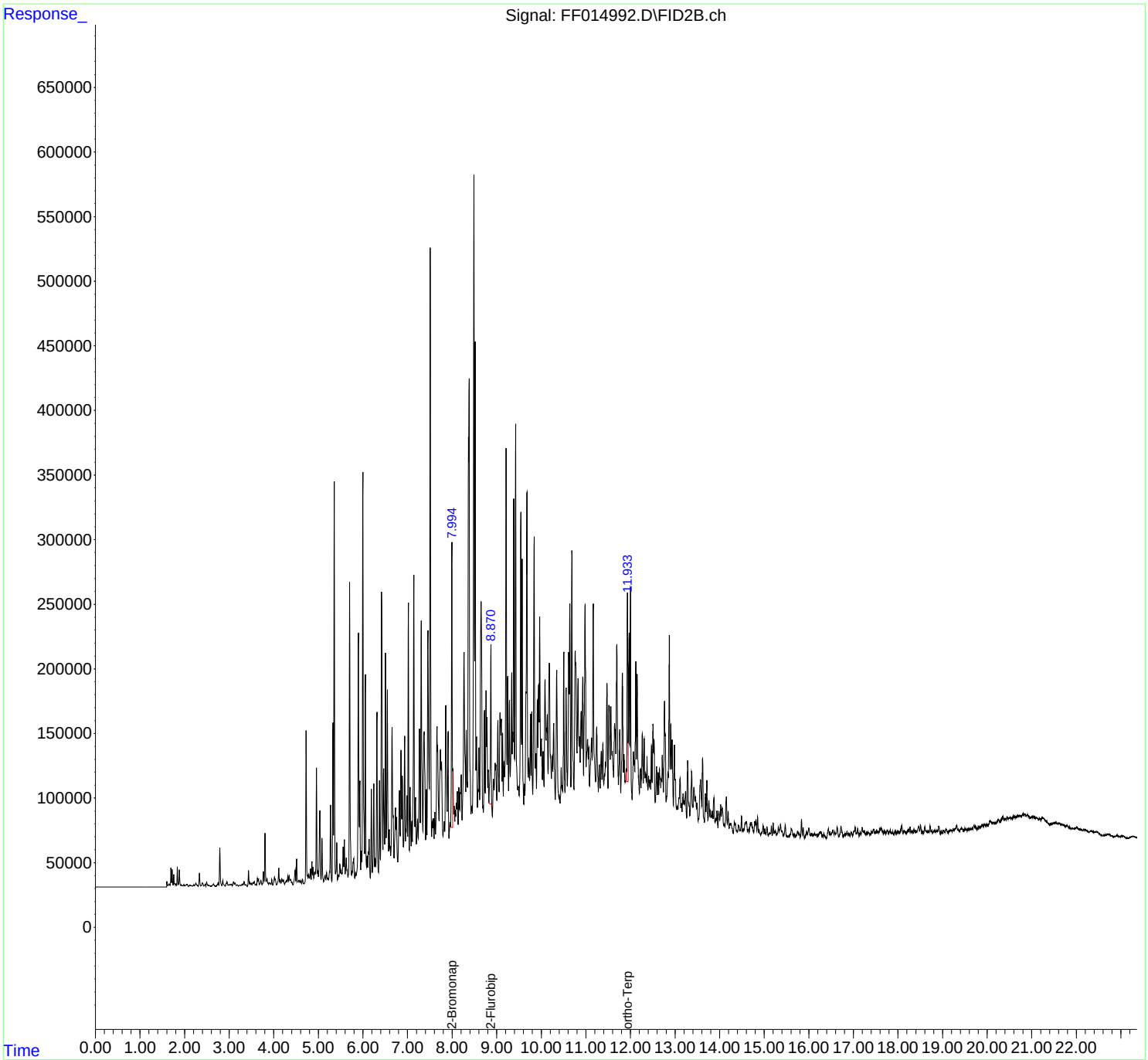
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL

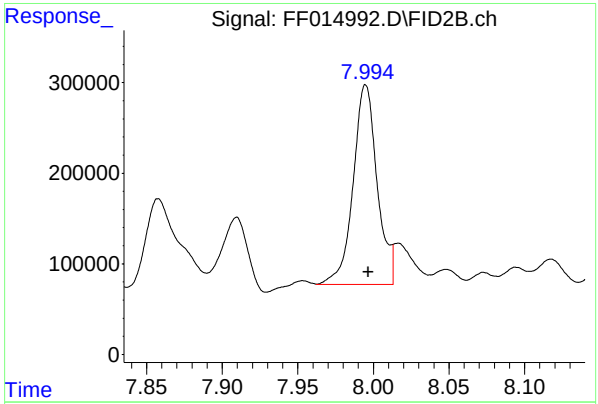
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:47:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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





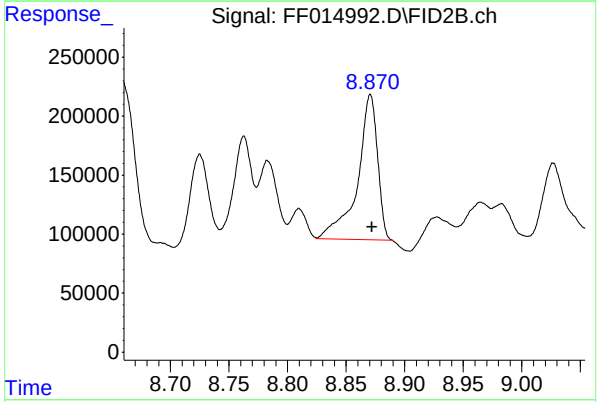
#4 2-Bromonaphthalene (SURR)

R.T.: 7.994 min
Delta R.T.: -0.002 mi
Response: 2432412
Conc: 18.28 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL

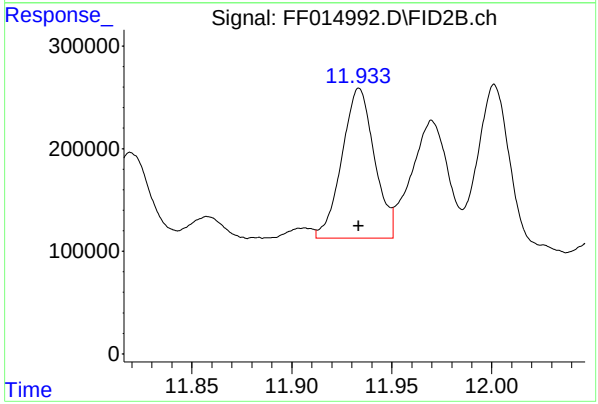
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.870 min
Delta R.T.: -0.002 min
Response: 1469689
Conc: 16.48 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 1653293
Conc: 11.22 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11112
Data File : FF014992.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 10:50
Sample : P4721-07DL 5X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.480	4.410	4.496	BV	10187	128363	1.78%	0.031%
2	4.512	4.496	4.539	VV	18960	206765	2.86%	0.050%
3	4.571	4.539	4.594	VV	2436	55146	0.76%	0.013%
4	4.608	4.594	4.625	VV	2579	26593	0.37%	0.006%
5	4.645	4.625	4.669	PV	3558	43220	0.60%	0.010%
6	4.726	4.684	4.750	VV	118171	1194552	16.54%	0.286%
7	4.757	4.750	4.771	VV	6640	72764	1.01%	0.017%
8	4.785	4.771	4.805	VV	7092	108158	1.50%	0.026%
9	4.826	4.805	4.840	VV	11206	141932	1.96%	0.034%
10	4.855	4.840	4.869	VV	16712	176356	2.44%	0.042%
11	4.880	4.869	4.898	VV	12437	144394	2.00%	0.035%
12	4.915	4.898	4.925	VV	8336	108828	1.51%	0.026%
13	4.934	4.925	4.940	VV	8482	68584	0.95%	0.016%
14	4.959	4.940	4.979	VV	88950	924256	12.80%	0.221%
15	4.988	4.979	5.002	VV	9069	96258	1.33%	0.023%
16	5.034	5.002	5.061	VV	55820	874641	12.11%	0.210%
17	5.082	5.061	5.121	VV	34185	398511	5.52%	0.095%
18	5.149	5.121	5.167	VV	5173	83111	1.15%	0.020%
19	5.185	5.167	5.205	VV	7415	102254	1.42%	0.025%
20	5.215	5.205	5.228	VV	2834	31475	0.44%	0.008%
21	5.273	5.228	5.303	VV	59476	711807	9.85%	0.171%
22	5.328	5.303	5.340	PV	122710	1187897	16.45%	0.285%
23	5.357	5.340	5.384	VV	308334	3112263	43.09%	0.746%
24	5.414	5.384	5.432	VV	29970	364129	5.04%	0.087%
25	5.449	5.432	5.463	VV	4882	68053	0.94%	0.016%
26	5.483	5.463	5.501	VV	13154	206346	2.86%	0.049%
27	5.511	5.501	5.523	VV	8012	87257	1.21%	0.021%
28	5.557	5.523	5.570	VV	26302	358777	4.97%	0.086%
29	5.584	5.570	5.602	VV	31715	359536	4.98%	0.086%
30	5.627	5.602	5.642	VV	17743	263913	3.65%	0.063%
31	5.648	5.642	5.664	VV	8057	76797	1.06%	0.018%
32	5.702	5.664	5.743	VV	230465	2646488	36.64%	0.634%
33	5.756	5.743	5.762	VV	6331	61947	0.86%	0.015%
34	5.793	5.762	5.816	VV	16527	322590	4.47%	0.077%
35	5.835	5.816	5.848	VV	5545	74593	1.03%	0.018%
36	5.898	5.848	5.919	VV	190305	2454839	33.99%	0.588%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL

Manual IntegrationsAPPROVED

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rteres

37	5.931	5.919	5.950	VV	76071	803985	11.13%	0.193%
38	5.966	5.950	5.977	VV	22143	264209	3	
39	5.998	5.977	6.037	VV	313536	3918831	54	
40	6.054	6.037	6.082	VV	158174	1674263	23	
41	6.095	6.082	6.107	VV	17682	194355	2	
42	6.121	6.107	6.127	VV	21049	202306	2	
43	6.139	6.127	6.165	VV	30520	370280	5.13%	0.089%
44	6.190	6.165	6.210	VV	68787	724815	10.03%	0.174%
45	6.244	6.210	6.262	VV	73010	916926	12.69%	0.220%
46	6.273	6.262	6.288	VV	15359	187462	2.60%	0.045%
47	6.314	6.288	6.349	VV	128349	1555780	21.54%	0.373%
48	6.372	6.349	6.391	VV	75151	856570	11.86%	0.205%
49	6.418	6.391	6.448	VV	220650	3547289	49.11%	0.850%
50	6.464	6.448	6.489	VV	84293	1261217	17.46%	0.302%
51	6.506	6.489	6.523	VV	173352	1853886	25.67%	0.444%
52	6.548	6.523	6.578	VV	144885	2176802	30.14%	0.522%
53	6.592	6.578	6.623	VV	36861	698040	9.66%	0.167%
54	6.654	6.623	6.698	VV	115777	2273516	31.48%	0.545%
55	6.730	6.698	6.741	VV	53202	887964	12.29%	0.213%
56	6.752	6.741	6.782	VV	45871	698479	9.67%	0.167%
57	6.820	6.782	6.835	VV	66283	1252410	17.34%	0.300%
58	6.855	6.835	6.871	VV	97431	1536755	21.28%	0.368%
59	6.884	6.871	6.907	VV	77185	1085628	15.03%	0.260%
60	6.936	6.907	6.954	VV	108140	1583108	21.92%	0.379%
61	6.988	6.954	7.001	VV	61868	1196646	16.57%	0.287%
62	7.020	7.001	7.040	VV	210377	2310145	31.98%	0.554%
63	7.058	7.040	7.083	VV	68119	1091655	15.11%	0.262%
64	7.097	7.083	7.108	VV	41884	478917	6.63%	0.115%
65	7.142	7.108	7.165	VV	232017	3302307	45.72%	0.791%
66	7.179	7.165	7.198	VV	60135	856065	11.85%	0.205%
67	7.225	7.198	7.240	VV	43298	824115	11.41%	0.197%
68	7.269	7.240	7.288	VV	112767	2012855	27.87%	0.482%
69	7.308	7.288	7.344	VV	195791	3272172	45.30%	0.784%
70	7.373	7.344	7.408	VV	110367	2841944	39.34%	0.681%
71	7.422	7.408	7.436	VV	65290	799283	11.07%	0.192%
72	7.457	7.436	7.488	VV	187849	3340099	46.24%	0.800%
73	7.510	7.488	7.542	VV	483984	6153979	85.20%	1.475%
74	7.558	7.542	7.570	VV	40277	613540	8.49%	0.147%
75	7.582	7.570	7.596	VV	42654	569461	7.88%	0.136%
76	7.613	7.596	7.629	VV	47381	736365	10.19%	0.176%
77	7.660	7.629	7.670	VV	113062	1732919	23.99%	0.415%
78	7.676	7.670	7.707	VV	98922	1538207	21.30%	0.369%
79	7.738	7.707	7.755	VV	95418	2169762	30.04%	0.520%
80	7.765	7.755	7.796	VV	85733	1429053	19.78%	0.342%
81	7.825	7.796	7.837	VV	39501	847687	11.74%	0.203%
82	7.858	7.837	7.890	VV	129623	2485570	34.41%	0.596%
83	7.910	7.890	7.930	VV	108711	1624143	22.49%	0.389%
84	7.953	7.930	7.963	VV	38542	669691	9.27%	0.160%
85	7.995	7.963	8.038	VV	254742	4397521	60.88%	1.054%
86	8.048	8.038	8.062	VV	50837	668568	9.26%	0.160%
87	8.073	8.062	8.082	VV	47369	533778	7.39%	0.128%
88	8.094	8.082	8.103	VV	53090	635259	8.79%	0.152%
89	8.118	8.103	8.136	VV	61921	992035	13.73%	0.238%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL

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Supervised By :Ankita Jodhani 11/12/2024

rteres

90	8.154	8.136	8.171	VV	64861	1110798	15.38%	0.266%
91	8.186	8.171	8.190	VV	60781	635422	8	
92	8.205	8.190	8.224	VV	74529	1246841	17	
93	8.268	8.224	8.305	VV	169464	4462410	61	
94	8.318	8.305	8.333	VV	108660	1421288	19	
95	8.339	8.333	8.346	VV	68561	519175	7	
96	8.368	8.346	8.373	VV	334981	3381241	46.81%	0.810%
97	8.382	8.373	8.425	VV	380406	5084340	70.39%	1.218%
98	8.444	8.425	8.455	VV	49515	842328	11.66%	0.202%
99	8.491	8.455	8.505	VV	537459	7223224	100.00%	1.731%
100	8.518	8.505	8.536	VV	407133	4473226	61.93%	1.072%
101	8.548	8.536	8.568	VV	103128	1585763	21.95%	0.380%
102	8.581	8.568	8.585	VV	61269	562910	7.79%	0.135%
103	8.601	8.585	8.620	VV	94478	1580947	21.89%	0.379%
104	8.652	8.620	8.703	VV	207518	5714563	79.11%	1.369%
105	8.725	8.703	8.743	VV	122888	1935583	26.80%	0.464%
106	8.763	8.743	8.774	VV	138078	1875778	25.97%	0.449%
107	8.783	8.774	8.800	VV	116814	1509033	20.89%	0.362%
108	8.810	8.800	8.825	VV	76618	994601	13.77%	0.238%
109	8.871	8.825	8.904	VV	173255	3778419	52.31%	0.905%
110	8.928	8.904	8.945	VV	69088	1452117	20.10%	0.348%
111	8.965	8.945	8.974	VV	81493	1309691	18.13%	0.314%
112	8.982	8.974	9.005	VV	79982	1242328	17.20%	0.298%
113	9.027	9.005	9.055	VV	114440	2401792	33.25%	0.576%
114	9.075	9.055	9.095	VV	120212	2413964	33.42%	0.578%
115	9.104	9.095	9.121	VV	115051	1488895	20.61%	0.357%
116	9.134	9.121	9.149	VV	104016	1402587	19.42%	0.336%
117	9.164	9.149	9.176	VV	82592	1173533	16.25%	0.281%
118	9.213	9.176	9.232	VV	323992	5222858	72.31%	1.252%
119	9.246	9.232	9.268	VV	147588	2212293	30.63%	0.530%
120	9.286	9.268	9.305	VV	129162	2079392	28.79%	0.498%
121	9.337	9.305	9.351	VV	150230	2846469	39.41%	0.682%
122	9.360	9.351	9.366	VV	104075	911389	12.62%	0.218%
123	9.384	9.366	9.401	VV	284656	3661631	50.69%	0.877%
124	9.426	9.401	9.470	VV	341285	5804884	80.36%	1.391%
125	9.480	9.470	9.504	VV	61602	1203748	16.66%	0.288%
126	9.542	9.504	9.558	VV	274206	4372447	60.53%	1.048%
127	9.573	9.558	9.607	VV	237574	3487388	48.28%	0.836%
128	9.621	9.607	9.633	VV	63483	889586	12.32%	0.213%
129	9.678	9.633	9.707	VV	288963	6066653	83.99%	1.454%
130	9.721	9.707	9.739	VV	83459	1430484	19.80%	0.343%
131	9.759	9.739	9.773	VV	117357	1789896	24.78%	0.429%
132	9.786	9.773	9.810	VV	118671	1900914	26.32%	0.456%
133	9.840	9.810	9.870	VV	253922	4689951	64.93%	1.124%
134	9.880	9.870	9.894	VV	86283	1106851	15.32%	0.265%
135	9.912	9.894	9.925	VV	127471	1862830	25.79%	0.446%
136	9.940	9.925	9.951	VV	139428	1860218	25.75%	0.446%
137	9.966	9.951	9.988	VV	191844	2984439	41.32%	0.715%
138	10.003	9.988	10.026	VV	97413	1903113	26.35%	0.456%
139	10.042	10.026	10.062	VV	87494	1619713	22.42%	0.388%
140	10.084	10.062	10.107	VV	143075	2921456	40.45%	0.700%
141	10.118	10.107	10.123	VV	105248	975776	13.51%	0.234%

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142	10.135	10.123	10.152	VV	115983	1708686	23.66%	0.409%
143	10.182	10.152	10.229	VV	155275	4846446	67	
144	10.245	10.229	10.259	VV	82965	1357698	18	
145	10.280	10.259	10.315	VV	108662	2674104	37	
146	10.347	10.315	10.395	VV	148986	4050174	56	
147	10.403	10.395	10.422	VV	52967	792827	10	
148	10.448	10.422	10.462	VV	73671	1459225	20.20%	0.350%
149	10.470	10.462	10.482	VV	60273	695609	9.63%	0.167%
150	10.505	10.482	10.534	VV	163165	2870280	39.74%	0.688%
151	10.558	10.534	10.584	VV	135356	2752628	38.11%	0.660%
152	10.616	10.584	10.627	VV	161816	2768894	38.33%	0.663%
153	10.641	10.627	10.666	VV	200079	3201776	44.33%	0.767%
154	10.686	10.666	10.732	VV	241104	4569181	63.26%	1.095%
155	10.761	10.732	10.802	VV	163090	4987579	69.05%	1.195%
156	10.824	10.802	10.849	VV	141982	3087374	42.74%	0.740%
157	10.859	10.849	10.873	VV	96563	1261345	17.46%	0.302%
158	10.895	10.873	10.912	VV	115980	2382067	32.98%	0.571%
159	10.931	10.912	10.949	VV	142325	2383308	33.00%	0.571%
160	10.983	10.949	11.007	VV	198541	4473467	61.93%	1.072%
161	11.040	11.007	11.055	VV	93773	2422830	33.54%	0.581%
162	11.065	11.055	11.082	VV	87299	1227885	17.00%	0.294%
163	11.128	11.082	11.142	VV	95097	2801632	38.79%	0.671%
164	11.166	11.142	11.218	VV	198278	4752040	65.79%	1.139%
165	11.242	11.218	11.280	VV	102454	2805213	38.84%	0.672%
166	11.303	11.280	11.323	VV	73529	1652078	22.87%	0.396%
167	11.345	11.323	11.363	VV	83606	1669924	23.12%	0.400%
168	11.382	11.363	11.401	VV	89968	1706482	23.62%	0.409%
169	11.416	11.401	11.421	VV	65223	759692	10.52%	0.182%
170	11.444	11.421	11.451	VV	75544	1222363	16.92%	0.293%
171	11.475	11.451	11.497	VV	135615	2727452	37.76%	0.654%
172	11.518	11.497	11.545	VV	119116	2793273	38.67%	0.669%
173	11.560	11.545	11.586	VV	117714	2382190	32.98%	0.571%
174	11.592	11.586	11.623	VV	83220	1666446	23.07%	0.399%
175	11.644	11.623	11.672	VV	104649	2676475	37.05%	0.641%
176	11.692	11.672	11.731	VV	165392	3843902	53.22%	0.921%
177	11.761	11.731	11.783	VV	99550	2337421	32.36%	0.560%
178	11.820	11.783	11.843	VV	142922	3223667	44.63%	0.772%
179	11.858	11.843	11.886	VV	79897	1773148	24.55%	0.425%
180	11.906	11.886	11.912	VV	68954	1000369	13.85%	0.240%
181	11.934	11.912	11.950	VV	205170	3005530	41.61%	0.720%
182	11.970	11.950	11.985	VV	173513	2682900	37.14%	0.643%
183	12.001	11.985	12.038	VV	208228	3300446	45.69%	0.791%
184	12.065	12.038	12.097	VV	81349	2441381	33.80%	0.585%
185	12.119	12.097	12.135	VV	151174	2384264	33.01%	0.571%
186	12.151	12.135	12.199	VV	141243	3316797	45.92%	0.795%
187	12.222	12.199	12.238	VV	67303	1378533	19.08%	0.330%
188	12.265	12.238	12.290	VV	94792	2293540	31.75%	0.550%
189	12.308	12.290	12.326	VV	90465	1584501	21.94%	0.380%
190	12.337	12.326	12.354	VV	64212	1030713	14.27%	0.247%
191	12.371	12.354	12.392	VV	76972	1431092	19.81%	0.343%
192	12.410	12.392	12.425	VV	61767	1135494	15.72%	0.272%
193	12.438	12.425	12.453	VV	59112	924066	12.79%	0.221%
194	12.471	12.453	12.486	VV	85466	1346732	18.64%	0.323%

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195	12.505	12.486	12.519	VV	101569	1648449	22.82%	0.395%
196	12.528	12.519	12.555	VV	89605	1468350	20	
197	12.585	12.555	12.603	VV	68691	1555989	21	
198	12.618	12.603	12.633	VV	64098	988342	13	
199	12.649	12.633	12.680	VV	66423	1659673	22	
200	12.715	12.680	12.740	VV	77231	2208135	30	
201	12.761	12.740	12.801	VV	117679	2867298	39.70%	0.687%
202	12.841	12.801	12.850	VV	62393	1527927	21.15%	0.366%
203	12.872	12.850	12.891	VV	169245	2662124	36.86%	0.638%
204	12.907	12.891	12.922	VV	100486	1564232	21.66%	0.375%
205	12.935	12.922	12.964	VV	88471	1564275	21.66%	0.375%
206	12.984	12.964	13.032	VV	84273	2254187	31.21%	0.540%
207	13.046	13.032	13.054	VV	36498	469795	6.50%	0.113%
208	13.062	13.054	13.069	VV	35194	304708	4.22%	0.073%
209	13.112	13.069	13.131	VV	57755	1654878	22.91%	0.397%
210	13.144	13.131	13.157	VV	38344	550299	7.62%	0.132%
211	13.177	13.157	13.194	VV	46078	893358	12.37%	0.214%
212	13.199	13.194	13.212	VV	39653	434803	6.02%	0.104%
213	13.235	13.212	13.259	VV	47438	1144501	15.84%	0.274%
214	13.283	13.259	13.330	VV	71288	1849671	25.61%	0.443%
215	13.370	13.330	13.402	VV	62669	1881730	26.05%	0.451%
216	13.422	13.402	13.447	VV	50212	1166467	16.15%	0.280%
217	13.458	13.447	13.480	VV	42916	792532	10.97%	0.190%
218	13.492	13.480	13.516	VV	38017	677155	9.37%	0.162%
219	13.570	13.516	13.596	VV	55761	1882489	26.06%	0.451%
220	13.617	13.596	13.649	VV	72101	1410062	19.52%	0.338%
221	13.651	13.649	13.660	VV	25302	168866	2.34%	0.040%
222	13.680	13.660	13.694	VV	44686	684170	9.47%	0.164%
223	13.711	13.694	13.734	VV	54996	977834	13.54%	0.234%
224	13.759	13.734	13.775	VV	38890	750404	10.39%	0.180%
225	13.790	13.775	13.819	VV	31234	743040	10.29%	0.178%
226	13.833	13.819	13.849	VV	30593	509034	7.05%	0.122%
227	13.870	13.849	13.895	VV	41074	889099	12.31%	0.213%
228	13.915	13.895	13.924	VV	24861	401163	5.55%	0.096%
229	13.941	13.924	13.960	VV	30600	534882	7.41%	0.128%
230	13.981	13.960	14.002	VV	29878	637288	8.82%	0.153%
231	14.020	14.002	14.036	VV	35370	590831	8.18%	0.142%
232	14.052	14.036	14.091	VV	32625	921292	12.75%	0.221%
233	14.097	14.091	14.116	VV	19723	286235	3.96%	0.069%
234	14.148	14.116	14.173	VV	40934	943425	13.06%	0.226%
235	14.189	14.173	14.210	VV	29731	517104	7.16%	0.124%
236	14.235	14.210	14.242	VV	19758	352190	4.88%	0.084%
237	14.248	14.242	14.305	VV	20163	622918	8.62%	0.149%
238	14.329	14.305	14.375	VV	20873	730366	10.11%	0.175%
239	14.383	14.375	14.397	VV	14274	185892	2.57%	0.045%
240	14.423	14.397	14.447	VV	17897	470790	6.52%	0.113%
241	14.461	14.447	14.469	VV	14505	186162	2.58%	0.045%
242	14.489	14.469	14.511	VV	25445	468672	6.49%	0.112%
243	14.534	14.511	14.545	VV	14576	289531	4.01%	0.069%
244	14.587	14.545	14.593	VV	19885	506252	7.01%	0.121%
245	14.602	14.593	14.629	VV	20341	363628	5.03%	0.087%
246	14.640	14.629	14.658	VV	14254	231472	3.20%	0.055%

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247	14.710	14.658	14.763	VV	19725	1004863	13.91%	0.241%
248	14.788	14.763	14.800	VV	19520	371198	5	
249	14.813	14.800	14.831	VV	21204	332207	4	
250	14.849	14.831	14.869	VV	23644	382666	5	
251	14.879	14.869	14.921	VV	13695	352074	4	
252	14.941	14.921	14.949	VV	11292	173417	2	
253	14.971	14.949	14.995	VV	16248	362252	5.02%	0.087%
254	15.010	14.995	15.037	VV	13004	278659	3.86%	0.067%
255	15.062	15.037	15.085	VV	14806	336872	4.66%	0.081%
256	15.124	15.085	15.130	VV	9989	250178	3.46%	0.060%
257	15.135	15.130	15.142	VV	9941	72541	1.00%	0.017%
258	15.159	15.142	15.179	VV	15237	255866	3.54%	0.061%
259	15.200	15.179	15.219	VV	17493	301250	4.17%	0.072%
260	15.225	15.219	15.233	VV	10576	87002	1.20%	0.021%
261	15.248	15.233	15.281	VV	11661	288783	4.00%	0.069%
262	15.314	15.281	15.332	VV	14271	341192	4.72%	0.082%
263	15.365	15.332	15.391	VV	16239	444783	6.16%	0.107%
264	15.401	15.391	15.430	VV	10734	212219	2.94%	0.051%
265	15.470	15.430	15.512	VV	15555	475586	6.58%	0.114%
266	15.516	15.512	15.525	VV	6406	49046	0.68%	0.012%
267	15.546	15.525	15.565	VV	6873	152721	2.11%	0.037%
268	15.605	15.565	15.640	VV	12192	411416	5.70%	0.099%
269	15.649	15.640	15.662	VV	7848	93071	1.29%	0.022%
270	15.677	15.662	15.690	VV	8127	115718	1.60%	0.028%
271	15.710	15.690	15.724	VV	6670	120025	1.66%	0.029%
272	15.750	15.724	15.774	VV	9617	238383	3.30%	0.057%
273	15.787	15.774	15.810	VV	7559	138937	1.92%	0.033%
274	15.833	15.810	15.854	VV	19004	301258	4.17%	0.072%
275	15.871	15.854	15.914	VV	12225	261688	3.62%	0.063%
276	15.952	15.914	15.975	VV	8646	255566	3.54%	0.061%
277	16.000	15.975	16.043	VV	11648	334438	4.63%	0.080%
278	16.066	16.043	16.087	VV	7149	164127	2.27%	0.039%
279	16.128	16.087	16.147	VV	6938	207156	2.87%	0.050%
280	16.162	16.147	16.184	VV	6456	121698	1.68%	0.029%
281	16.197	16.184	16.214	VV	6364	100549	1.39%	0.024%
282	16.262	16.214	16.269	VV	8167	226900	3.14%	0.054%
283	16.272	16.269	16.276	VV	7334	30207	0.42%	0.007%
284	16.279	16.276	16.301	VV	7217	84631	1.17%	0.020%
285	16.305	16.301	16.322	VV	4888	58271	0.81%	0.014%
286	16.336	16.322	16.364	VV	6504	123244	1.71%	0.030%
287	16.367	16.364	16.387	VV	3837	42584	0.59%	0.010%
288	16.437	16.387	16.457	VV	9868	256239	3.55%	0.061%
289	16.472	16.457	16.486	VV	7549	108809	1.51%	0.026%
290	16.540	16.486	16.565	VV	8459	299304	4.14%	0.072%
291	16.580	16.565	16.612	VV	7270	164737	2.28%	0.039%
292	16.636	16.612	16.665	VV	10451	220311	3.05%	0.053%
293	16.719	16.665	16.762	VV	10826	357150	4.94%	0.086%
294	16.768	16.762	16.785	VV	3874	46524	0.64%	0.011%
295	16.794	16.785	16.800	VV	4168	30626	0.42%	0.007%
296	16.816	16.800	16.820	VV	4621	51734	0.72%	0.012%
297	16.830	16.820	16.835	VV	4652	38665	0.54%	0.009%
298	16.856	16.835	16.877	VV	6422	120405	1.67%	0.029%
299	16.889	16.877	16.893	VV	4268	39778	0.55%	0.010%

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300	16.902	16.893	16.928	VV	4566	84401	1.17%	0.020%
301	16.949	16.928	16.975	VV	5928	121328	1	
302	17.010	16.975	17.019	VV	6407	120612	1	
303	17.038	17.019	17.066	VV	9338	182738	2	
304	17.094	17.066	17.128	VV	8084	188363	2	
305	17.151	17.128	17.171	VV	5095	97568	1	
306	17.197	17.171	17.217	VV	8520	164608	2.28%	0.039%
307	17.247	17.217	17.269	VV	5930	155710	2.16%	0.037%
308	17.272	17.269	17.276	VV	3492	14127	0.20%	0.003%
309	17.287	17.276	17.292	VV	3769	31997	0.44%	0.008%
310	17.309	17.292	17.324	VV	4430	76440	1.06%	0.018%
311	17.341	17.324	17.366	VV	4252	89420	1.24%	0.021%
312	17.379	17.366	17.388	VV	3308	39747	0.55%	0.010%
313	17.450	17.388	17.482	VV	6633	252024	3.49%	0.060%
314	17.513	17.482	17.534	VV	5492	135714	1.88%	0.033%
315	17.547	17.534	17.568	VV	4726	81229	1.12%	0.019%
316	17.595	17.568	17.609	VV	7013	129538	1.79%	0.031%
317	17.622	17.609	17.644	VV	7446	125183	1.73%	0.030%
318	17.647	17.644	17.671	VV	5175	62167	0.86%	0.015%
319	17.684	17.671	17.697	VV	4365	55397	0.77%	0.013%
320	17.705	17.697	17.728	VV	3715	57854	0.80%	0.014%
321	17.763	17.728	17.795	VV	5021	138847	1.92%	0.033%
322	17.824	17.795	17.843	VV	5182	102235	1.42%	0.024%
323	17.853	17.843	17.865	VV	2846	33595	0.47%	0.008%
324	17.882	17.865	17.906	VV	3549	56715	0.79%	0.014%
325	17.924	17.906	17.930	VV	3169	35328	0.49%	0.008%
326	17.939	17.930	17.962	VV	3180	43364	0.60%	0.010%
327	17.997	17.962	18.003	VV	2983	56188	0.78%	0.013%
328	18.010	18.003	18.030	VV	2985	40058	0.55%	0.010%
329	18.084	18.030	18.112	VV	7825	197977	2.74%	0.047%
330	18.134	18.112	18.152	VV	3589	64734	0.90%	0.016%
331	18.164	18.152	18.180	VV	2844	35704	0.49%	0.009%
332	18.186	18.180	18.189	VV	1840	8819	0.12%	0.002%
333	18.192	18.189	18.196	VV	1804	6486	0.09%	0.002%
334	18.238	18.196	18.250	VV	4291	96230	1.33%	0.023%
335	18.269	18.250	18.303	VV	6077	108556	1.50%	0.026%
336	18.319	18.303	18.339	VV	2988	46505	0.64%	0.011%
337	18.366	18.339	18.393	VV	3205	70771	0.98%	0.017%
338	18.409	18.393	18.422	VV	2329	31822	0.44%	0.008%
339	18.462	18.422	18.485	VV	5977	148256	2.05%	0.036%
340	18.504	18.485	18.531	VV	6840	101112	1.40%	0.024%
341	18.548	18.531	18.577	PV	2025	25535	0.35%	0.006%
342	18.602	18.577	18.631	VV	5421	84216	1.17%	0.020%
343	18.637	18.631	18.660	VV	1731	19045	0.26%	0.005%
344	18.666	18.660	18.670	VV	1317	5153	0.07%	0.001%
345	18.688	18.670	18.700	VV	1639	20453	0.28%	0.005%
346	18.719	18.700	18.745	VV	5570	80998	1.12%	0.019%
347	18.749	18.745	18.755	VV	1430	6944	0.10%	0.002%
348	18.763	18.755	18.787	VV	1324	13124	0.18%	0.003%

Sum of corrected areas: 417320744

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-4DL2		SDG No.:	P4721	
Lab Sample ID:	P4721-07DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.6	
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
FE051143.D	100	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	207		44.3	116	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	771		28.0	77.7	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	520		35.0	116	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	117	J	93.2	155	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	96.4	J	209	233	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:	P4721-07DL2	Acq On:	11 Nov 2024 12:11
Client Sample ID:	EX-11-TPH-4DL2	Operator:	YP\AJ
Data file:	FE051143.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	3.140	22.059	30559016	220.566		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	3.140	6.760	3731247	26.668	300	ug/ml
Aliphatic C12-C16	6.761	10.193	13961208	99.272	200	ug/ml
Aliphatic C16-C21	10.194	13.553	9239336	67.064	300	ug/ml
Aliphatic C21-C28	13.554	17.209	2028793	15.146	400	ug/ml
Aliphatic C28-C40	17.210	22.059	1598432	12.415	600	ug/ml
Aliphatic C9-C28	3.140	17.209	28960584	208.15	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051143.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 12:11
Operator : YP\AJ
Sample : P4721-07DL2 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL2

Integration File: autoint1.e
Quant Time: Nov 11 20:47:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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.

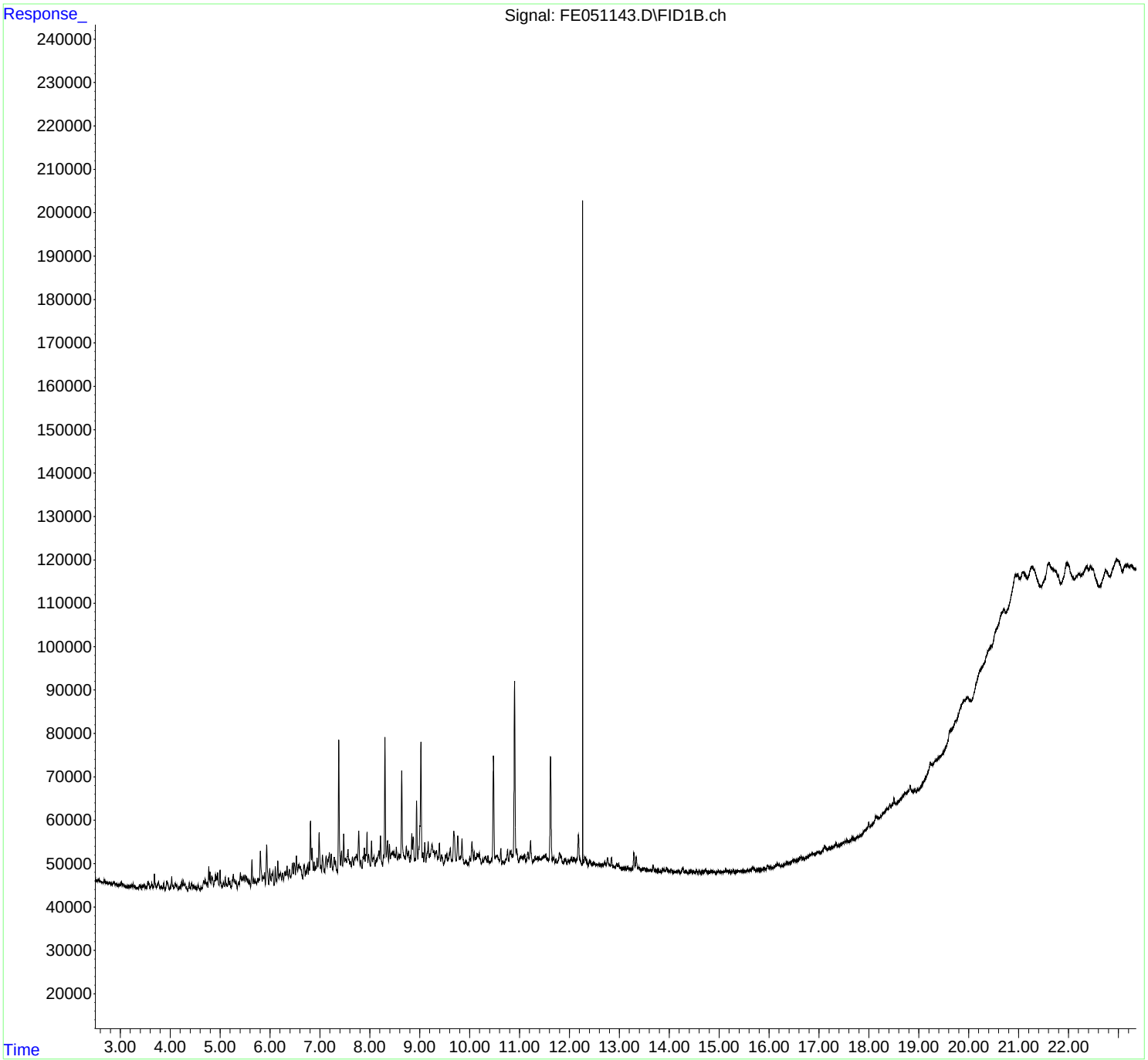
Quantitation Report (QT Reviewed)

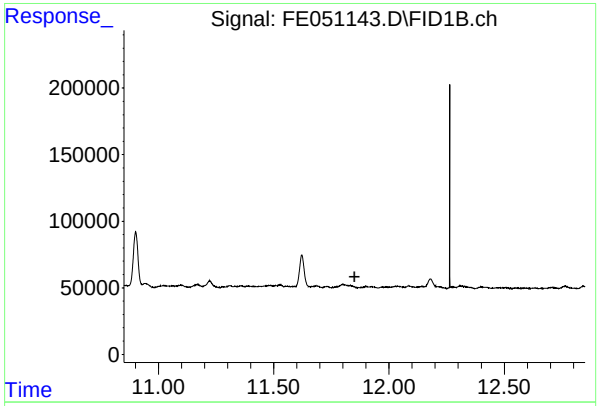
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051143.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 12:11
Operator : YP\AJ
Sample : P4721-07DL2 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL2

Integration File: autoint1.e
Quant Time: Nov 11 20:47:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

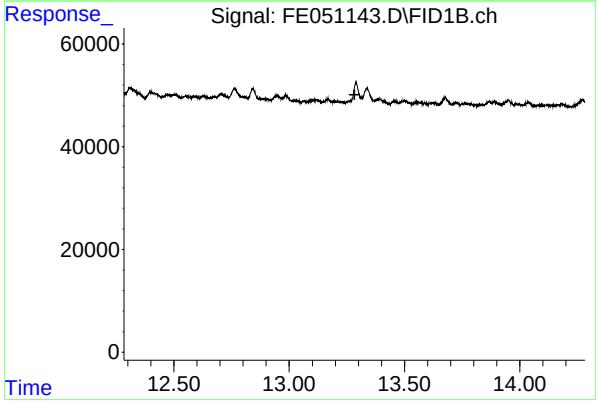




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-11-TPH-4DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 13.283 min
Response: 0
Conc: N.D.

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051143.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 12:11
Sample : P4721-07DL2 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.517	3.505	3.531	BV	256	1827	0.24%	0.006%
2	3.551	3.531	3.594	PV	1678	30152	3.98%	0.099%
3	3.630	3.594	3.665	VV	1207	21853	2.89%	0.072%
4	3.684	3.665	3.725	VV	3372	48240	6.37%	0.158%
5	3.766	3.725	3.805	VV	1686	39756	5.25%	0.130%
6	3.821	3.805	3.851	VV	659	10967	1.45%	0.036%
7	3.870	3.851	3.897	VV	1485	15209	2.01%	0.050%
8	3.932	3.897	3.980	PV	1921	43968	5.81%	0.144%
9	4.030	3.980	4.077	VV	2944	52370	6.91%	0.171%
10	4.099	4.077	4.120	VV	1511	25167	3.32%	0.082%
11	4.133	4.120	4.158	VV	1106	16491	2.18%	0.054%
12	4.180	4.158	4.192	VV	738	9329	1.23%	0.031%
13	4.203	4.192	4.214	VV	650	7300	0.96%	0.024%
14	4.231	4.214	4.245	VV	2010	22875	3.02%	0.075%
15	4.260	4.245	4.276	VV	2204	28714	3.79%	0.094%
16	4.295	4.276	4.344	VV	1278	29294	3.87%	0.096%
17	4.382	4.344	4.405	PV	1733	25085	3.31%	0.082%
18	4.429	4.405	4.455	VV	1629	28453	3.76%	0.093%
19	4.470	4.455	4.511	VV	885	20490	2.71%	0.067%
20	4.520	4.511	4.541	VV	499	4699	0.62%	0.015%
21	4.559	4.541	4.600	VV	1192	16243	2.14%	0.053%
22	4.618	4.600	4.640	VV	428	6758	0.89%	0.022%
23	4.669	4.640	4.684	VV	1809	33123	4.37%	0.108%
24	4.699	4.684	4.727	VV	2418	45193	5.97%	0.148%
25	4.740	4.727	4.754	VV	1659	20490	2.71%	0.067%
26	4.773	4.754	4.786	VV	5157	54970	7.26%	0.180%
27	4.797	4.786	4.815	VV	3994	48019	6.34%	0.157%
28	4.832	4.815	4.869	VV	3064	69390	9.16%	0.227%
29	4.907	4.869	4.919	VV	3394	61533	8.12%	0.201%
30	4.929	4.919	4.938	VV	2794	29084	3.84%	0.095%
31	4.951	4.938	4.978	VV	3780	54516	7.20%	0.178%
32	4.998	4.978	5.036	VV	4371	66131	8.73%	0.216%
33	5.067	5.036	5.084	VV	1540	27914	3.69%	0.091%
34	5.103	5.084	5.145	VV	2741	50298	6.64%	0.165%
35	5.168	5.145	5.184	VV	2513	34523	4.56%	0.113%
36	5.197	5.184	5.219	VV	1784	21657	2.86%	0.071%

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37	5.265	5.219	5.304	VV	3366	88391	11.67%	0.289%
38	5.320	5.304	5.342	VV	1525	23690	3.13%	0.078%
39	5.372	5.342	5.384	PV	1542	24460	3.23%	0.080%
40	5.407	5.384	5.441	VV	3691	82086	10.84%	0.269%
41	5.467	5.441	5.481	VV	2811	54129	7.15%	0.177%
42	5.499	5.481	5.516	VV	3038	51255	6.77%	0.168%
43	5.530	5.516	5.555	VV	2766	49489	6.53%	0.162%
44	5.565	5.555	5.579	VV	1930	22907	3.02%	0.075%
45	5.592	5.579	5.610	VV	1802	21684	2.86%	0.071%
46	5.638	5.610	5.657	VV	6596	83645	11.04%	0.274%
47	5.670	5.657	5.687	VV	2192	28687	3.79%	0.094%
48	5.702	5.687	5.732	VV	2045	37549	4.96%	0.123%
49	5.754	5.732	5.767	VV	2204	33848	4.47%	0.111%
50	5.779	5.767	5.788	VV	2092	23434	3.09%	0.077%
51	5.807	5.788	5.844	VV	8420	152344	20.11%	0.499%
52	5.858	5.844	5.876	VV	2583	42720	5.64%	0.140%
53	5.890	5.876	5.908	VV	3558	43338	5.72%	0.142%
54	5.934	5.908	5.973	VV	9899	172327	22.75%	0.564%
55	5.995	5.973	6.024	VV	4377	74853	9.88%	0.245%
56	6.058	6.024	6.081	VV	3731	81942	10.82%	0.268%
57	6.106	6.081	6.136	VV	4702	73679	9.73%	0.241%
58	6.157	6.136	6.177	VV	6055	88815	11.73%	0.291%
59	6.189	6.177	6.198	VV	3049	33788	4.46%	0.111%
60	6.210	6.198	6.231	VV	3380	55068	7.27%	0.180%
61	6.250	6.231	6.271	VV	3192	59666	7.88%	0.195%
62	6.295	6.271	6.308	VV	3508	61212	8.08%	0.200%
63	6.318	6.308	6.326	VV	3110	30649	4.05%	0.100%
64	6.343	6.326	6.367	VV	4835	86546	11.43%	0.283%
65	6.389	6.367	6.411	VV	4023	80586	10.64%	0.264%
66	6.450	6.411	6.468	VV	5345	123197	16.27%	0.403%
67	6.484	6.468	6.510	VV	5423	110356	14.57%	0.361%
68	6.529	6.510	6.554	VV	7029	129463	17.09%	0.424%
69	6.579	6.554	6.594	VV	5109	107664	14.22%	0.352%
70	6.605	6.594	6.656	VV	4564	128662	16.99%	0.421%
71	6.689	6.656	6.706	VV	4975	113589	15.00%	0.372%
72	6.718	6.706	6.728	VV	3514	41097	5.43%	0.134%
73	6.752	6.728	6.768	VV	4843	92351	12.19%	0.302%
74	6.783	6.768	6.793	VV	5638	65380	8.63%	0.214%
75	6.811	6.793	6.832	VV	14929	216958	28.65%	0.710%
76	6.844	6.832	6.870	VV	8720	139332	18.40%	0.456%
77	6.884	6.870	6.898	VV	5531	76673	10.12%	0.251%
78	6.943	6.898	6.961	VV	6448	180369	23.82%	0.590%
79	6.984	6.961	7.034	VV	12264	283492	37.43%	0.928%
80	7.052	7.034	7.097	VV	7124	181727	23.99%	0.595%
81	7.125	7.097	7.143	VV	6884	149716	19.77%	0.490%
82	7.159	7.143	7.167	VV	6154	76949	10.16%	0.252%
83	7.189	7.167	7.208	VV	7628	153556	20.27%	0.502%
84	7.228	7.208	7.258	VV	7297	157948	20.85%	0.517%
85	7.287	7.258	7.302	VV	6509	135480	17.89%	0.443%
86	7.312	7.302	7.351	VV	5476	128423	16.96%	0.420%
87	7.378	7.351	7.414	VV	33346	485058	64.04%	1.587%
88	7.433	7.414	7.454	VV	7909	149264	19.71%	0.488%
89	7.478	7.454	7.496	VV	11815	191221	25.25%	0.626%

90	7.508	7.496	7.535	VV	6186	135703	17.92%	0.444%
91	7.564	7.535	7.598	VV	8158	238898	31.54%	0.782%
92	7.607	7.598	7.627	VV	5388	86934	11.48%	0.284%
93	7.653	7.627	7.677	VV	6460	158490	20.93%	0.519%
94	7.713	7.677	7.720	VV	6457	152941	20.19%	0.500%
95	7.734	7.720	7.751	VV	7045	122382	16.16%	0.400%
96	7.779	7.751	7.806	VV	12427	266932	35.24%	0.873%
97	7.821	7.806	7.844	VV	5644	108488	14.32%	0.355%
98	7.868	7.844	7.876	VV	6558	102129	13.48%	0.334%
99	7.891	7.876	7.906	VV	8261	122551	16.18%	0.401%
100	7.945	7.906	7.962	VV	12125	257853	34.05%	0.844%
101	7.977	7.962	8.011	VV	6938	167535	22.12%	0.548%
102	8.035	8.011	8.054	VV	9951	173329	22.89%	0.567%
103	8.084	8.054	8.103	VV	6514	167185	22.07%	0.547%
104	8.135	8.103	8.146	VV	5726	137589	18.17%	0.450%
105	8.183	8.146	8.197	VV	7658	197595	26.09%	0.647%
106	8.215	8.197	8.257	VV	11072	249673	32.97%	0.817%
107	8.304	8.257	8.330	VV	33734	537881	71.02%	1.760%
108	8.354	8.330	8.376	VV	9837	211158	27.88%	0.691%
109	8.395	8.376	8.414	VV	8993	160901	21.24%	0.527%
110	8.449	8.414	8.468	VV	7147	218793	28.89%	0.716%
111	8.482	8.468	8.515	VV	7474	188379	24.87%	0.616%
112	8.533	8.515	8.553	VV	8307	156996	20.73%	0.514%
113	8.577	8.553	8.592	VV	6722	143517	18.95%	0.470%
114	8.604	8.592	8.615	VV	6677	84112	11.11%	0.275%
115	8.640	8.615	8.711	VV	25937	583839	77.09%	1.911%
116	8.732	8.711	8.753	VV	8452	177111	23.39%	0.580%
117	8.774	8.753	8.801	VV	7322	185302	24.47%	0.606%
118	8.842	8.801	8.854	VV	11222	238365	31.47%	0.780%
119	8.870	8.854	8.897	VV	10567	211227	27.89%	0.691%
120	8.908	8.897	8.916	VV	5628	64603	8.53%	0.211%
121	8.938	8.916	8.963	VV	18890	296018	39.09%	0.969%
122	9.025	8.963	9.052	VV	32546	706873	93.33%	2.313%
123	9.064	9.052	9.082	VV	6846	110809	14.63%	0.363%
124	9.102	9.082	9.125	VV	9139	174556	23.05%	0.571%
125	9.171	9.125	9.189	VV	9458	262862	34.71%	0.860%
126	9.205	9.189	9.214	VV	6509	92405	12.20%	0.302%
127	9.247	9.214	9.281	VV	8796	307671	40.62%	1.007%
128	9.286	9.281	9.305	VV	7239	94985	12.54%	0.311%
129	9.337	9.305	9.363	VV	7296	225283	29.75%	0.737%
130	9.394	9.363	9.421	VV	8989	229734	30.33%	0.752%
131	9.438	9.421	9.478	VV	6222	181003	23.90%	0.592%
132	9.517	9.478	9.531	VV	6227	162151	21.41%	0.531%
133	9.545	9.531	9.563	VV	6528	112347	14.83%	0.368%
134	9.613	9.563	9.645	VV	7780	293506	38.75%	0.960%
135	9.685	9.645	9.730	VV	11599	384014	50.70%	1.257%
136	9.763	9.730	9.795	VV	10495	277526	36.64%	0.908%
137	9.805	9.795	9.816	VV	5602	68743	9.08%	0.225%
138	9.848	9.816	9.892	VV	9846	281046	37.11%	0.920%
139	9.927	9.892	9.961	VV	4803	178343	23.55%	0.584%
140	9.973	9.961	9.983	VV	4060	51403	6.79%	0.168%
141	10.005	9.983	10.022	VV	5362	111209	14.68%	0.364%

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142	10.047	10.022	10.078	VV	8999	228524	30.17%	0.748%
143	10.092	10.078	10.111	VV	6655	112428	14.84%	0.368%
144	10.121	10.111	10.131	VV	5332	62200	8.21%	0.204%
145	10.149	10.131	10.160	VV	6242	100274	13.24%	0.328%
146	10.170	10.160	10.181	VV	6039	75358	9.95%	0.247%
147	10.194	10.181	10.235	VV	6481	167926	22.17%	0.550%
148	10.262	10.235	10.281	VV	4979	122884	16.23%	0.402%
149	10.323	10.281	10.345	VV	5483	194704	25.71%	0.637%
150	10.367	10.345	10.391	VV	5756	135364	17.87%	0.443%
151	10.405	10.391	10.420	VV	4378	72395	9.56%	0.237%
152	10.478	10.420	10.508	VV	28748	578589	76.39%	1.893%
153	10.557	10.508	10.598	VV	5730	282883	37.35%	0.926%
154	10.626	10.598	10.650	VV	7213	166204	21.94%	0.544%
155	10.667	10.650	10.691	VV	4411	99986	13.20%	0.327%
156	10.760	10.691	10.787	VV	7088	288059	38.03%	0.943%
157	10.809	10.787	10.818	VV	6440	102146	13.49%	0.334%
158	10.829	10.818	10.867	VV	6584	173099	22.86%	0.566%
159	10.902	10.867	10.931	VV	45698	757370	100.00%	2.478%
160	10.943	10.931	10.982	VV	7047	174058	22.98%	0.570%
161	11.021	10.982	11.048	VV	5390	193987	25.61%	0.635%
162	11.062	11.048	11.073	VV	5178	74690	9.86%	0.244%
163	11.100	11.073	11.128	VV	5703	167561	22.12%	0.548%
164	11.168	11.128	11.189	VV	6196	188391	24.87%	0.616%
165	11.222	11.189	11.268	VV	8802	269752	35.62%	0.883%
166	11.281	11.268	11.291	VV	4437	57707	7.62%	0.189%
167	11.310	11.291	11.325	VV	5201	96832	12.79%	0.317%
168	11.359	11.325	11.375	VV	5162	140990	18.62%	0.461%
169	11.390	11.375	11.415	VV	4841	111530	14.73%	0.365%
170	11.484	11.415	11.495	VV	5296	229421	30.29%	0.751%
171	11.529	11.495	11.547	VV	5641	160550	21.20%	0.525%
172	11.557	11.547	11.572	VV	4722	69536	9.18%	0.228%
173	11.622	11.572	11.659	VV	28133	548742	72.45%	1.796%
174	11.687	11.659	11.711	VV	4852	133833	17.67%	0.438%
175	11.731	11.711	11.749	VV	4453	93432	12.34%	0.306%
176	11.803	11.749	11.865	VV	5851	318095	42.00%	1.041%
177	11.900	11.865	11.918	VV	4406	124548	16.44%	0.408%
178	11.925	11.918	11.954	VV	4173	81135	10.71%	0.266%
179	11.972	11.954	12.005	VV	3922	114876	15.17%	0.376%
180	12.038	12.005	12.067	VV	4512	153994	20.33%	0.504%
181	12.086	12.067	12.117	VV	4701	124663	16.46%	0.408%
182	12.180	12.117	12.251	VV	9981	393874	52.01%	1.289%
183	12.263	12.251	12.291	VV	28891	171960	22.70%	0.563%
184	12.310	12.291	12.378	VV	4657	195981	25.88%	0.641%
185	12.399	12.378	12.445	VV	3872	134720	17.79%	0.441%
186	12.473	12.445	12.488	VV	3260	79304	10.47%	0.260%
187	12.504	12.488	12.531	VV	3276	79626	10.51%	0.261%
188	12.550	12.531	12.573	VV	3048	71214	9.40%	0.233%
189	12.586	12.573	12.611	VV	2896	62873	8.30%	0.206%
190	12.631	12.611	12.652	VV	2908	67172	8.87%	0.220%
191	12.704	12.652	12.737	VV	3243	145688	19.24%	0.477%
192	12.763	12.737	12.819	VV	4321	157199	20.76%	0.514%
193	12.842	12.819	12.878	VV	4279	108665	14.35%	0.356%
194	12.890	12.878	12.919	VV	2353	54384	7.18%	0.178%

195	12.948	12.919	12.967	VV	2896	71859	9.49%	0.235%
196	12.985	12.967	13.016	VV	3015	70810	9.35%	0.232%
197	13.025	13.016	13.051	VV	1926	38636	5.10%	0.126%
198	13.065	13.051	13.080	VV	1766	29235	3.86%	0.096%
199	13.116	13.080	13.142	VV	2009	68584	9.06%	0.224%
200	13.167	13.142	13.188	VV	2138	49492	6.53%	0.162%
201	13.209	13.188	13.243	VV	1691	52611	6.95%	0.172%
202	13.290	13.243	13.314	VV	5251	119222	15.74%	0.390%
203	13.337	13.314	13.369	VV	4213	97111	12.82%	0.318%
204	13.392	13.369	13.438	VV	1963	67826	8.96%	0.222%
205	13.454	13.438	13.475	VV	1661	31692	4.18%	0.104%
206	13.499	13.475	13.532	VV	1680	49666	6.56%	0.163%
207	13.555	13.532	13.602	VV	1462	51736	6.83%	0.169%
208	13.621	13.602	13.647	VV	1206	30117	3.98%	0.099%
209	13.677	13.647	13.706	VV	2283	52021	6.87%	0.170%
210	13.726	13.706	13.743	VV	1257	23908	3.16%	0.078%
211	13.763	13.743	13.821	VV	1147	42176	5.57%	0.138%
212	13.834	13.821	13.844	VV	838	10981	1.45%	0.036%
213	13.867	13.844	13.915	VV	1404	47656	6.29%	0.156%
214	13.951	13.915	13.975	VV	1629	40551	5.35%	0.133%
215	13.987	13.975	14.014	VV	881	17589	2.32%	0.058%
216	14.037	14.014	14.063	VV	1260	25544	3.37%	0.084%
217	14.089	14.063	14.115	VV	706	17966	2.37%	0.059%
218	14.182	14.115	14.224	VV	753	36596	4.83%	0.120%
219	14.271	14.224	14.301	VV	1697	39676	5.24%	0.130%
220	14.323	14.301	14.384	VV	616	22922	3.03%	0.075%
221	14.421	14.384	14.465	VV	841	26480	3.50%	0.087%
222	14.487	14.465	14.505	VV	477	9612	1.27%	0.031%
223	14.546	14.505	14.573	VV	893	19316	2.55%	0.063%
224	14.600	14.573	14.638	VV	743	12796	1.69%	0.042%
225	14.664	14.638	14.687	VV	515	10114	1.34%	0.033%
226	14.726	14.687	14.797	VV	961	32456	4.29%	0.106%
227	14.848	14.797	14.875	VV	636	18133	2.39%	0.059%
228	14.891	14.875	14.939	VV	425	9723	1.28%	0.032%
229	14.981	14.939	15.019	PV	584	11347	1.50%	0.037%
230	15.053	15.019	15.078	VV	295	6370	0.84%	0.021%
231	15.097	15.078	15.108	VV	405	4258	0.56%	0.014%
232	15.140	15.108	15.162	VV	748	14376	1.90%	0.047%
233	15.176	15.162	15.186	VV	374	4216	0.56%	0.014%
234	15.196	15.186	15.245	VV	391	6508	0.86%	0.021%
235	15.276	15.245	15.325	VV	432	8938	1.18%	0.029%
236	15.341	15.325	15.354	VV	141	1320	0.17%	0.004%
237	15.388	15.354	15.419	VV	346	7282	0.96%	0.024%
238	15.441	15.419	15.453	VV	230	3409	0.45%	0.011%
239	15.466	15.453	15.500	VV	231	4872	0.64%	0.016%
240	15.513	15.500	15.531	PV	147	1598	0.21%	0.005%
241	15.575	15.531	15.596	VV	306	7007	0.93%	0.023%
242	15.617	15.596	15.629	VV	294	3519	0.46%	0.012%
243	15.691	15.629	15.739	VV	726	27095	3.58%	0.089%
244	15.756	15.739	15.777	VV	132	1958	0.26%	0.006%
245	15.967	15.824	16.025	vv	1231	54436	7.19%	0.178%
246	16.130	16.031	16.133	vv	950	39650	5.24%	0.130%

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247	16.161	16.142	16.192	vv	1539	35897	4.74%	0.117%
248	16.204	16.198	16.254	vv	1198	29840	3.94%	0.098%
249	16.356	16.257	16.377	vv	1575	81365	10.74%	0.266%
250	16.485	16.377	16.507	vv	2128	129913	17.15%	0.425%
251	16.559	16.513	16.575	vv	1918	66346	8.76%	0.217%
252	16.639	16.581	16.668	vv	2831	122455	16.17%	0.401%
253	16.684	16.668	16.726	vv	2465	79973	10.56%	0.262%
254	16.801	16.729	16.807	vv	2968	117029	15.45%	0.383%
255	16.870	16.813	16.893	vv	3343	147994	19.54%	0.484%
256	16.960	16.906	16.961	vv	3655	106059	14.00%	0.347%
257	17.044	16.971	17.045	vv	3691	152491	20.13%	0.499%
258	17.110	17.047	17.147	vv	2656	147571	19.48%	0.483%
259	17.165	17.148	17.180	VV	468	5632	0.74%	0.018%
260	17.221	17.180	17.238	VV	326	9690	1.28%	0.032%
261	17.347	17.238	17.391	VV	794	29192	3.85%	0.096%
262	17.520	17.391	17.536	PV	571	21479	2.84%	0.070%
263	17.559	17.536	17.606	VV	868	18321	2.42%	0.060%
264	17.676	17.606	17.711	PV	617	17129	2.26%	0.056%
265	17.782	17.711	17.793	PV	142	5363	0.71%	0.018%
266	17.994	17.793	18.019	PV	1678	48920	6.46%	0.160%
267	18.136	18.019	18.148	VV	1786	55505	7.33%	0.182%
268	18.165	18.148	18.197	VV	1379	32450	4.28%	0.106%
269	18.420	18.197	18.440	VV	2059	160385	21.18%	0.525%
270	18.502	18.440	18.526	VV	2671	81982	10.82%	0.268%
271	18.723	18.526	18.731	VV	1650	147800	19.51%	0.484%
272	18.827	18.731	18.901	VV	2643	146950	19.40%	0.481%
273	18.922	18.901	18.948	VV	864	13998	1.85%	0.046%
274	18.975	18.948	18.995	PV	311	4112	0.54%	0.013%
275	19.226	18.995	19.242	PV	2832	113194	14.95%	0.370%
276	19.254	19.242	19.280	VV	2180	42708	5.64%	0.140%
277	19.355	19.280	19.363	VV	1455	77064	10.18%	0.252%
278	19.641	19.363	19.652	VV	4058	332664	43.92%	1.089%
279	19.737	19.652	19.747	VV	4795	239526	31.63%	0.784%

Sum of corrected areas: 30559021

Aliphatic EPH 110724.M Tue Nov 12 05:35:24 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-4DL2		SDG No.:	P4721	
Lab Sample ID:	P4721-07DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.6	
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
FF014993.D	20	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	84.7		6.99	15.5	mg/kg
Aromatic C12-C16	Aromatic C12-C16	347		7.92	23.3	mg/kg
Aromatic C16-C21	Aromatic C16-C21	682		22.4	38.8	mg/kg
Aromatic C21-C36	Aromatic C21-C36	82.8		46.6	62.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	5.20		40 - 140	208%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	4.69		40 - 140	188%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.91		40 - 140	116%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-07DL2	Acq On:	11 Nov 2024 11:18
Client Sample ID:	EX-11-TPH-4DL2	Operator:	YP\AJ
Data file:	FF014993.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.510	6.375	8424653	54.504	200	ug/ml
Aromatic C12-C16	6.376	9.068	34328934	223.553	300	ug/ml
Aromatic C16-C21	9.069	13.383	62422227	439.295	500	ug/ml
Aromatic C21-C36	13.384	18.828	7360782	53.323	800	ug/ml
Aromatic EPH	4.510	18.828	112536596	770.675		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	691985	5.2		ug/ml
2-Flurobiphenyl (SURR)	8.867	8.867	418524	4.69		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	428992	2.91		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014993.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:18
Operator : YP\AJ
Sample : P4721-07DL2 20X
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:47:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.993	691985	5.200 ug/mlm
Spiked Amount 50.000		Recovery =	10.40%
6) S 2-Flurobiphenyl (SURR)	8.867	418524	4.693 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	9.39%
11) S ortho-Terphenyl (SURR)	11.928	428992	2.913 ug/mlm
Spiked Amount 50.000		Recovery =	5.83%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014993.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:18
Operator : YP\AJ
Sample : P4721-07DL2 20X
Misc :
ALS Vial : 63 Sample Multiplier: 1

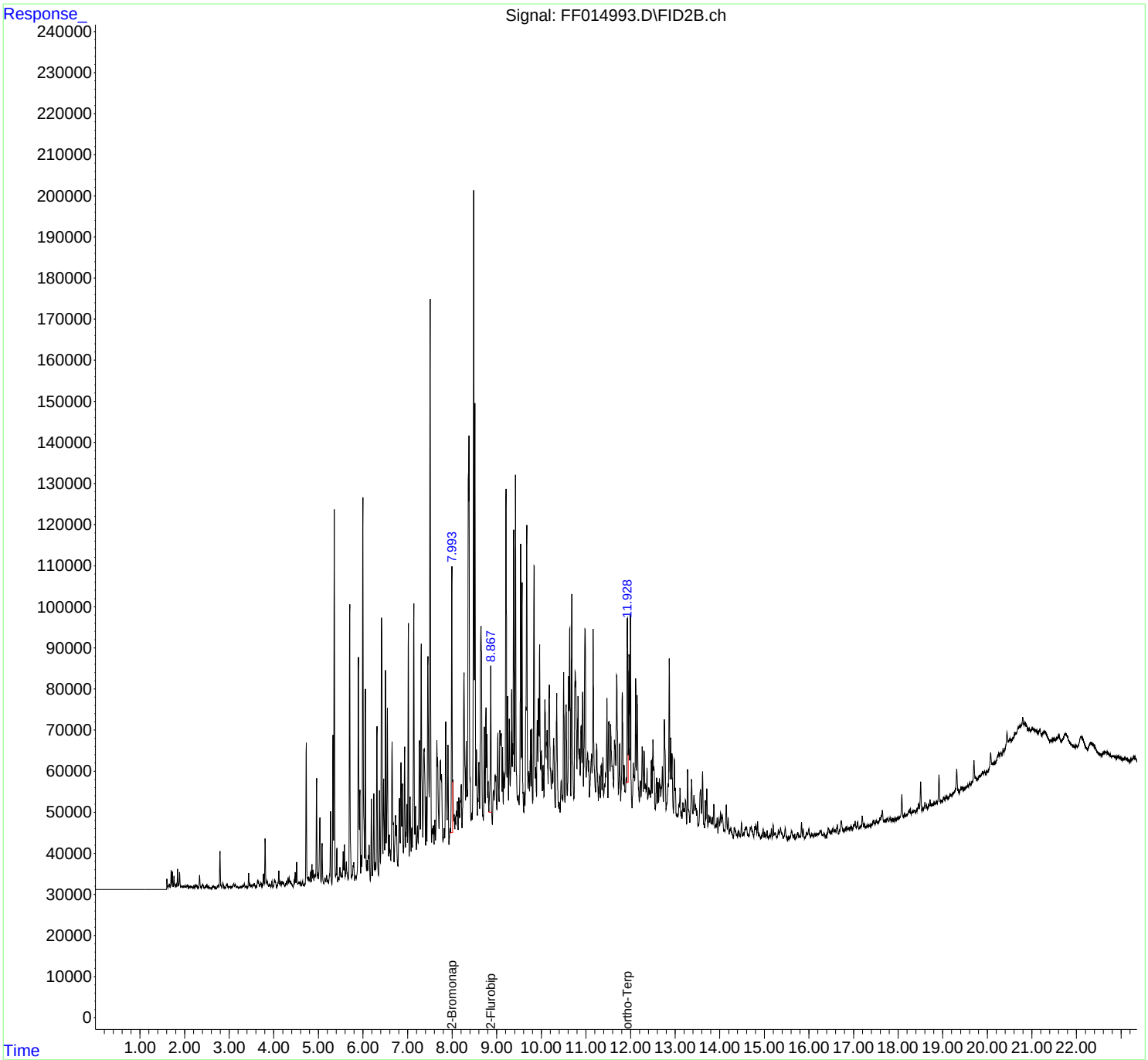
Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL2

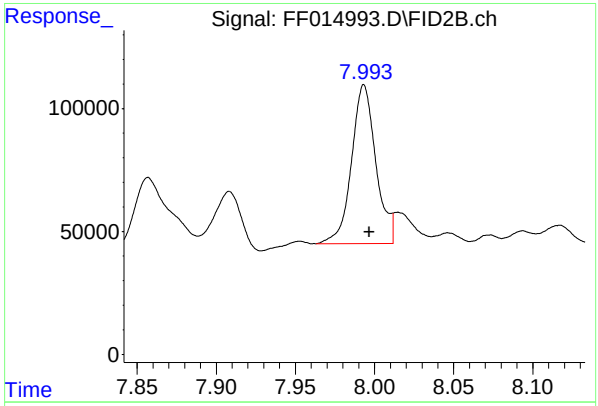
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:47:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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





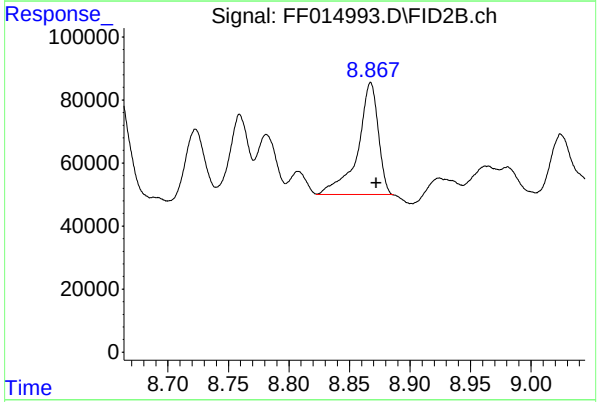
#4 2-Bromonaphthalene (SURR)

R.T.: 7.993 min
Delta R.T.: -0.004 mi
Response: 691985
Conc: 5.20 ug/m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL2

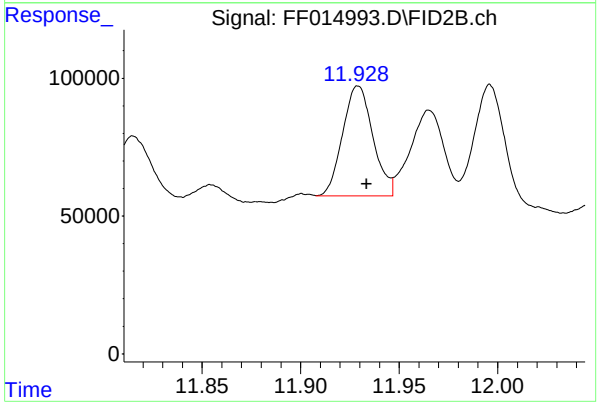
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.867 min
Delta R.T.: -0.005 min
Response: 418524
Conc: 4.69 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.005 min
Response: 428992
Conc: 2.91 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11112
Data File : FF014993.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:18
Sample : P4721-07DL2 20X
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.411	4.401	4.435	BV	265	1255	0.06%	0.001%
2	4.482	4.435	4.497	PV	3437	56857	2.79%	0.050%
3	4.514	4.497	4.539	VV	5937	68513	3.36%	0.060%
4	4.573	4.539	4.596	VV	938	25191	1.24%	0.022%
5	4.610	4.596	4.626	VV	1002	10921	0.54%	0.010%
6	4.647	4.626	4.672	VV	1275	16176	0.79%	0.014%
7	4.679	4.672	4.689	VV	210	1436	0.07%	0.001%
8	4.728	4.689	4.754	VV	34739	355867	17.45%	0.313%
9	4.759	4.754	4.772	VV	1989	18806	0.92%	0.017%
10	4.786	4.772	4.806	VV	2156	32820	1.61%	0.029%
11	4.827	4.806	4.841	VV	3342	43146	2.12%	0.038%
12	4.857	4.841	4.870	VV	5105	53102	2.60%	0.047%
13	4.881	4.870	4.900	VV	3648	43786	2.15%	0.038%
14	4.916	4.900	4.926	VV	2490	32463	1.59%	0.029%
15	4.936	4.926	4.941	VV	2620	20620	1.01%	0.018%
16	4.960	4.941	4.981	VV	26024	272150	13.34%	0.239%
17	4.989	4.981	5.003	VV	2713	29281	1.44%	0.026%
18	5.035	5.003	5.062	VV	16365	257334	12.62%	0.226%
19	5.083	5.062	5.123	VV	10019	118189	5.79%	0.104%
20	5.150	5.123	5.167	VV	1531	24552	1.20%	0.022%
21	5.186	5.167	5.209	VV	2192	31630	1.55%	0.028%
22	5.216	5.209	5.229	VV	888	8346	0.41%	0.007%
23	5.274	5.229	5.305	VV	17607	208385	10.22%	0.183%
24	5.328	5.305	5.341	PV	36159	346341	16.98%	0.304%
25	5.357	5.341	5.384	VV	91023	909741	44.60%	0.799%
26	5.415	5.384	5.433	VV	8623	105416	5.17%	0.093%
27	5.448	5.433	5.464	VV	1409	19628	0.96%	0.017%
28	5.483	5.464	5.504	VV	3826	61286	3.00%	0.054%
29	5.512	5.504	5.525	VV	2333	23805	1.17%	0.021%
30	5.557	5.525	5.570	VV	7603	101673	4.98%	0.089%
31	5.585	5.570	5.602	VV	9247	104064	5.10%	0.091%
32	5.628	5.602	5.643	VV	5053	75833	3.72%	0.067%
33	5.648	5.643	5.664	VV	2292	21244	1.04%	0.019%
34	5.702	5.664	5.743	VV	67703	768640	37.68%	0.675%
35	5.756	5.743	5.762	VV	1851	17678	0.87%	0.016%
36	5.779	5.762	5.784	VV	3988	39292	1.93%	0.035%

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37	5.794	5.784	5.817	VV	4760	53554	2.63%	0.047%
38	5.835	5.817	5.849	VV	1551	20627	1	
39	5.898	5.849	5.920	VV	54654	712057	34	
40	5.931	5.920	5.950	VV	22262	234339	11	
41	5.966	5.950	5.977	VV	6382	76158	3	
42	5.998	5.977	6.037	VV	93428	1138266	55	
43	6.054	6.037	6.082	VV	46754	484491	23.75%	0.426%
44	6.096	6.082	6.107	VV	5069	55459	2.72%	0.049%
45	6.121	6.107	6.127	VV	6198	58065	2.85%	0.051%
46	6.140	6.127	6.165	VV	8655	104543	5.13%	0.092%
47	6.190	6.165	6.210	PV	19839	208143	10.20%	0.183%
48	6.244	6.210	6.263	VV	21054	263835	12.93%	0.232%
49	6.273	6.263	6.289	VV	4337	53963	2.65%	0.047%
50	6.313	6.289	6.349	VV	37253	446563	21.89%	0.392%
51	6.372	6.349	6.391	VV	21735	247235	12.12%	0.217%
52	6.418	6.391	6.448	VV	63596	1028679	50.43%	0.904%
53	6.464	6.448	6.489	VV	24472	365162	17.90%	0.321%
54	6.506	6.489	6.523	VV	50874	536320	26.29%	0.471%
55	6.548	6.523	6.577	VV	41644	629155	30.85%	0.553%
56	6.592	6.577	6.624	VV	10716	200183	9.81%	0.176%
57	6.653	6.624	6.698	VV	33271	651408	31.94%	0.572%
58	6.729	6.698	6.741	VV	15208	249535	12.23%	0.219%
59	6.751	6.741	6.783	VV	12866	201583	9.88%	0.177%
60	6.819	6.783	6.834	VV	19343	353626	17.34%	0.311%
61	6.854	6.834	6.871	VV	28036	441233	21.63%	0.388%
62	6.884	6.871	6.907	VV	22851	313515	15.37%	0.275%
63	6.935	6.907	6.953	VV	31676	447742	21.95%	0.393%
64	6.964	6.953	6.968	VV	10289	86431	4.24%	0.076%
65	6.986	6.968	7.000	VV	17725	250789	12.30%	0.220%
66	7.018	7.000	7.039	VV	61604	664452	32.58%	0.584%
67	7.057	7.039	7.082	VV	19482	306541	15.03%	0.269%
68	7.096	7.082	7.107	VV	11905	137485	6.74%	0.121%
69	7.141	7.107	7.165	VV	66429	948331	46.49%	0.833%
70	7.178	7.165	7.197	VV	17106	238921	11.71%	0.210%
71	7.224	7.197	7.238	VV	12200	230033	11.28%	0.202%
72	7.267	7.238	7.287	VV	32979	577411	28.31%	0.507%
73	7.307	7.287	7.343	VV	56394	938470	46.01%	0.824%
74	7.371	7.343	7.406	VV	30743	810239	39.72%	0.712%
75	7.421	7.406	7.435	VV	19102	226827	11.12%	0.199%
76	7.456	7.435	7.486	VV	53216	947760	46.47%	0.833%
77	7.507	7.486	7.541	VV	140072	1778454	87.19%	1.562%
78	7.557	7.541	7.569	VV	11214	167826	8.23%	0.147%
79	7.581	7.569	7.595	VV	11929	161849	7.93%	0.142%
80	7.613	7.595	7.628	VV	13244	202933	9.95%	0.178%
81	7.659	7.628	7.669	VV	32543	485570	23.81%	0.427%
82	7.675	7.669	7.706	VV	28416	443732	21.75%	0.390%
83	7.737	7.706	7.754	VV	27627	617287	30.26%	0.542%
84	7.764	7.754	7.795	VV	24221	401998	19.71%	0.353%
85	7.823	7.795	7.836	VV	11002	231629	11.36%	0.203%
86	7.857	7.836	7.889	VV	36892	702875	34.46%	0.617%
87	7.908	7.889	7.929	VV	31198	462827	22.69%	0.407%
88	7.953	7.929	7.962	VV	10783	181625	8.90%	0.160%
89	7.993	7.962	8.036	VV	74383	1248613	61.22%	1.097%

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90	8.047	8.036	8.061	VV	14144	188499	9.24%	0.166%
91	8.073	8.061	8.081	VV	13171	146684	7	
92	8.094	8.081	8.102	VV	14948	175383	8	
93	8.117	8.102	8.134	VV	17223	277204	13	
94	8.151	8.134	8.168	VV	18111	303808	14	
95	8.204	8.168	8.222	VV	21290	535127	26	
96	8.266	8.222	8.303	VV	48369	1263887	61.96%	1.110%
97	8.316	8.303	8.330	VV	31635	403613	19.79%	0.355%
98	8.338	8.330	8.344	VV	19784	153004	7.50%	0.134%
99	8.364	8.344	8.370	VV	96922	966610	47.39%	0.849%
100	8.378	8.370	8.423	VV	106087	1450724	71.12%	1.274%
101	8.442	8.423	8.452	VV	14086	228945	11.22%	0.201%
102	8.485	8.452	8.500	VV	165589	2039705	100.00%	1.792%
103	8.512	8.500	8.533	VV	113660	1298114	63.64%	1.140%
104	8.547	8.533	8.566	VV	29330	460424	22.57%	0.404%
105	8.578	8.566	8.582	VV	17580	156515	7.67%	0.137%
106	8.599	8.582	8.617	VV	26264	443413	21.74%	0.389%
107	8.647	8.617	8.700	VV	59207	1614014	79.13%	1.418%
108	8.723	8.700	8.740	VV	34760	545249	26.73%	0.479%
109	8.759	8.740	8.771	VV	39434	524559	25.72%	0.461%
110	8.781	8.771	8.798	VV	32968	424898	20.83%	0.373%
111	8.808	8.798	8.823	VV	21249	281883	13.82%	0.248%
112	8.868	8.823	8.902	VV	49407	1053157	51.63%	0.925%
113	8.924	8.902	8.944	VV	19007	409508	20.08%	0.360%
114	8.963	8.944	8.974	VV	22673	375159	18.39%	0.330%
115	8.980	8.974	9.004	VV	22499	333863	16.37%	0.293%
116	9.025	9.004	9.052	VV	32908	654549	32.09%	0.575%
117	9.071	9.052	9.092	VV	33531	683089	33.49%	0.600%
118	9.102	9.092	9.118	VV	32783	428954	21.03%	0.377%
119	9.132	9.118	9.147	VV	29289	392691	19.25%	0.345%
120	9.160	9.147	9.172	VV	22976	308716	15.14%	0.271%
121	9.209	9.172	9.229	VV	92289	1489049	73.00%	1.308%
122	9.244	9.229	9.265	VV	41619	628342	30.81%	0.552%
123	9.283	9.265	9.302	VV	35875	590226	28.94%	0.518%
124	9.335	9.302	9.348	VV	43178	795364	38.99%	0.699%
125	9.357	9.348	9.363	VV	29981	254966	12.50%	0.224%
126	9.380	9.363	9.398	VV	81968	1034376	50.71%	0.909%
127	9.421	9.398	9.467	VV	94993	1646942	80.74%	1.447%
128	9.479	9.467	9.501	VV	17113	329191	16.14%	0.289%
129	9.538	9.501	9.554	VV	78222	1230110	60.31%	1.081%
130	9.569	9.554	9.604	VV	68953	990040	48.54%	0.870%
131	9.618	9.604	9.632	VV	17619	264714	12.98%	0.233%
132	9.674	9.632	9.703	VV	82792	1676833	82.21%	1.473%
133	9.718	9.703	9.736	VV	22923	404327	19.82%	0.355%
134	9.756	9.736	9.770	VV	32918	493086	24.17%	0.433%
135	9.783	9.770	9.806	VV	33197	521288	25.56%	0.458%
136	9.837	9.806	9.867	VV	72812	1322811	64.85%	1.162%
137	9.876	9.867	9.891	VV	23655	306611	15.03%	0.269%
138	9.909	9.891	9.922	VV	34949	515156	25.26%	0.453%
139	9.937	9.922	9.948	VV	40339	524799	25.73%	0.461%
140	9.962	9.948	9.984	VV	53479	820202	40.21%	0.720%
141	10.000	9.984	10.023	VV	27472	542790	26.61%	0.477%

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142	10.039	10.023	10.059	VV	23906	445351	21.83%	0.391%
143	10.082	10.059	10.104	VV	40008	819596	40	
144	10.116	10.104	10.120	VV	29452	264113	12	
145	10.131	10.120	10.149	VV	32346	482770	23	
146	10.178	10.149	10.225	VV	43432	1341376	65	
147	10.242	10.225	10.256	VV	22485	383346	18	
148	10.277	10.256	10.312	VV	30397	734909	36.03%	0.646%
149	10.343	10.312	10.392	VV	41126	1108116	54.33%	0.973%
150	10.402	10.392	10.420	VV	14499	229817	11.27%	0.202%
151	10.445	10.420	10.459	VV	19841	382355	18.75%	0.336%
152	10.467	10.459	10.481	VV	16073	202155	9.91%	0.178%
153	10.502	10.481	10.530	VV	46130	775711	38.03%	0.681%
154	10.555	10.530	10.582	VV	38286	772094	37.85%	0.678%
155	10.612	10.582	10.623	VV	45191	748569	36.70%	0.658%
156	10.638	10.623	10.662	VV	56846	903745	44.31%	0.794%
157	10.681	10.662	10.728	VV	65110	1273903	62.46%	1.119%
158	10.757	10.728	10.767	VV	45958	727133	35.65%	0.639%
159	10.772	10.767	10.799	VV	43652	668512	32.77%	0.587%
160	10.820	10.799	10.845	VV	40014	847636	41.56%	0.745%
161	10.855	10.845	10.870	VV	27212	362819	17.79%	0.319%
162	10.892	10.870	10.909	VV	32613	648566	31.80%	0.570%
163	10.927	10.909	10.945	VV	40911	662612	32.49%	0.582%
164	10.980	10.945	11.005	VV	56161	1258074	61.68%	1.105%
165	11.037	11.005	11.053	VV	25933	670811	32.89%	0.589%
166	11.061	11.053	11.079	VV	24011	317491	15.57%	0.279%
167	11.125	11.079	11.139	VV	25552	768541	37.68%	0.675%
168	11.162	11.139	11.216	VV	55996	1310960	64.27%	1.152%
169	11.239	11.216	11.278	VV	27847	766905	37.60%	0.674%
170	11.299	11.278	11.319	VV	20157	423806	20.78%	0.372%
171	11.342	11.319	11.359	VV	22646	456689	22.39%	0.401%
172	11.379	11.359	11.397	VV	24445	462983	22.70%	0.407%
173	11.414	11.397	11.420	VV	17737	225659	11.06%	0.198%
174	11.439	11.420	11.447	VV	20487	307485	15.07%	0.270%
175	11.472	11.447	11.493	VV	38720	754188	36.98%	0.662%
176	11.519	11.493	11.540	VV	33269	756703	37.10%	0.665%
177	11.556	11.540	11.586	VV	32368	715784	35.09%	0.629%
178	11.589	11.586	11.619	VV	22236	394550	19.34%	0.347%
179	11.639	11.619	11.669	VV	28403	745026	36.53%	0.654%
180	11.689	11.669	11.727	VV	44131	1059883	51.96%	0.931%
181	11.757	11.727	11.779	VV	27413	627842	30.78%	0.551%
182	11.815	11.779	11.841	VV	39755	899993	44.12%	0.791%
183	11.854	11.841	11.885	VV	22122	487820	23.92%	0.429%
184	11.901	11.885	11.908	VV	18804	239964	11.76%	0.211%
185	11.929	11.908	11.946	VV	57886	837652	41.07%	0.736%
186	11.965	11.946	11.980	VV	48969	729756	35.78%	0.641%
187	11.996	11.980	12.034	VV	58396	918787	45.05%	0.807%
188	12.061	12.034	12.093	VV	22196	643994	31.57%	0.566%
189	12.113	12.093	12.130	VV	42879	648951	31.82%	0.570%
190	12.147	12.130	12.197	VV	38888	923656	45.28%	0.811%
191	12.218	12.197	12.235	VV	17943	357290	17.52%	0.314%
192	12.262	12.235	12.284	VV	26092	591819	29.01%	0.520%
193	12.304	12.284	12.322	VV	24903	452408	22.18%	0.397%
194	12.331	12.322	12.349	VV	16989	256944	12.60%	0.226%

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195	12.368	12.349	12.384	VV	20830	361202	17.71%	0.317%
196	12.406	12.384	12.420	VV	16088	323444	15	
197	12.436	12.420	12.451	VV	15208	267967	13	
198	12.467	12.451	12.482	VV	22416	340793	16	
199	12.500	12.482	12.516	VV	27681	456002	22	
200	12.523	12.516	12.556	VV	21013	375665	18	
201	12.583	12.556	12.599	VV	18233	380321	18.65%	0.334%
202	12.615	12.599	12.629	VV	17227	261455	12.82%	0.230%
203	12.645	12.629	12.676	VV	17992	442865	21.71%	0.389%
204	12.691	12.676	12.695	VV	15880	170090	8.34%	0.149%
205	12.711	12.695	12.734	VV	20970	394416	19.34%	0.346%
206	12.756	12.734	12.796	VV	32309	781853	38.33%	0.687%
207	12.837	12.796	12.844	VV	16580	381150	18.69%	0.335%
208	12.866	12.844	12.886	VV	47119	740938	36.33%	0.651%
209	12.901	12.886	12.917	VV	27541	420549	20.62%	0.369%
210	12.929	12.917	12.959	VV	23861	420240	20.60%	0.369%
211	12.980	12.959	12.996	VV	22404	355474	17.43%	0.312%
212	13.002	12.996	13.030	VV	15363	246138	12.07%	0.216%
213	13.037	13.030	13.051	VV	8802	107083	5.25%	0.094%
214	13.083	13.051	13.091	VV	11222	231458	11.35%	0.203%
215	13.108	13.091	13.127	VV	15206	265920	13.04%	0.234%
216	13.139	13.127	13.154	VV	9388	140110	6.87%	0.123%
217	13.173	13.154	13.190	VV	11626	214429	10.51%	0.188%
218	13.200	13.190	13.209	VV	10072	112683	5.52%	0.099%
219	13.228	13.209	13.256	VV	12262	286266	14.03%	0.251%
220	13.278	13.256	13.327	VV	19628	473814	23.23%	0.416%
221	13.367	13.327	13.398	VV	17074	477611	23.42%	0.420%
222	13.420	13.398	13.440	VV	13100	275006	13.48%	0.242%
223	13.454	13.440	13.478	VV	10810	225332	11.05%	0.198%
224	13.488	13.478	13.510	VV	9304	153105	7.51%	0.134%
225	13.567	13.510	13.593	VV	14338	481206	23.59%	0.423%
226	13.613	13.593	13.658	VV	18685	397426	19.48%	0.349%
227	13.676	13.658	13.690	VV	11691	163389	8.01%	0.144%
228	13.708	13.690	13.731	VV	14401	245034	12.01%	0.215%
229	13.754	13.731	13.769	VV	7892	152590	7.48%	0.134%
230	13.783	13.769	13.811	VV	7475	168840	8.28%	0.148%
231	13.831	13.811	13.846	VV	7380	140653	6.90%	0.124%
232	13.866	13.846	13.897	VV	10437	227328	11.15%	0.200%
233	13.913	13.897	13.924	VV	5676	82862	4.06%	0.073%
234	13.940	13.924	13.957	VV	7181	112468	5.51%	0.099%
235	13.979	13.957	13.997	VV	6899	138088	6.77%	0.121%
236	14.016	13.997	14.032	VV	8468	142076	6.97%	0.125%
237	14.050	14.032	14.090	VV	7817	217949	10.69%	0.191%
238	14.098	14.090	14.116	VV	4078	59130	2.90%	0.052%
239	14.145	14.116	14.171	VV	10143	213813	10.48%	0.188%
240	14.187	14.171	14.208	VV	6978	111218	5.45%	0.098%
241	14.231	14.208	14.244	VV	4153	81731	4.01%	0.072%
242	14.252	14.244	14.303	VV	4211	105021	5.15%	0.092%
243	14.325	14.303	14.394	VV	4251	168990	8.29%	0.148%
244	14.426	14.394	14.451	VV	3466	95571	4.69%	0.084%
245	14.456	14.451	14.466	VV	2516	21740	1.07%	0.019%
246	14.486	14.466	14.509	VV	5368	96031	4.71%	0.084%

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247	14.533	14.509	14.545	VV	2602	51779	2.54%	0.045%
248	14.601	14.545	14.651	VV	4214	201380	9	
249	14.682	14.651	14.691	VV	3938	68787	3	
250	14.707	14.691	14.760	VV	4338	129744	6	
251	14.785	14.760	14.797	VV	4180	71185	3	
252	14.810	14.797	14.831	VV	4494	71189	3	
253	14.848	14.831	14.865	VV	5318	76361	3.74%	0.067%
254	14.878	14.865	14.921	VV	2489	58385	2.86%	0.051%
255	14.944	14.921	14.948	VV	1825	25186	1.23%	0.022%
256	14.972	14.948	14.996	VV	3355	65483	3.21%	0.058%
257	15.007	14.996	15.036	VV	2448	44452	2.18%	0.039%
258	15.062	15.036	15.095	VV	2878	63134	3.10%	0.055%
259	15.119	15.095	15.129	VV	1653	28815	1.41%	0.025%
260	15.131	15.129	15.142	VV	1554	10683	0.52%	0.009%
261	15.157	15.142	15.175	VV	3343	43259	2.12%	0.038%
262	15.197	15.175	15.215	VV	4106	59470	2.92%	0.052%
263	15.227	15.215	15.234	VV	1830	20181	0.99%	0.018%
264	15.247	15.234	15.286	VV	2083	47842	2.35%	0.042%
265	15.312	15.286	15.329	VV	2577	49498	2.43%	0.043%
266	15.362	15.329	15.390	VV	3344	85281	4.18%	0.075%
267	15.396	15.390	15.426	VV	1954	28258	1.39%	0.025%
268	15.469	15.426	15.504	VV	3104	71376	3.50%	0.063%
269	15.510	15.504	15.528	VV	635	7494	0.37%	0.007%
270	15.544	15.528	15.561	VV	694	10656	0.52%	0.009%
271	15.606	15.561	15.642	VV	2167	61842	3.03%	0.054%
272	15.650	15.642	15.662	VV	1062	10282	0.50%	0.009%
273	15.673	15.662	15.690	VV	1160	11859	0.58%	0.010%
274	15.752	15.690	15.771	VV	1624	41783	2.05%	0.037%
275	15.785	15.771	15.799	VV	877	11440	0.56%	0.010%
276	15.833	15.799	15.852	VV	4081	56925	2.79%	0.050%
277	15.870	15.852	15.904	VV	2431	35086	1.72%	0.031%
278	15.955	15.904	15.966	VV	1453	29171	1.43%	0.026%
279	15.998	15.966	16.020	VV	2356	48258	2.37%	0.042%
280	16.025	16.020	16.040	VV	834	7740	0.38%	0.007%
281	16.068	16.040	16.094	VV	1087	22327	1.09%	0.020%
282	16.122	16.094	16.129	VV	1029	14320	0.70%	0.013%
283	16.130	16.129	16.146	VV	916	6691	0.33%	0.006%
284	16.162	16.146	16.179	VV	878	13039	0.64%	0.011%
285	16.197	16.179	16.210	VV	1067	14799	0.73%	0.013%
286	16.247	16.210	16.269	VV	1711	41625	2.04%	0.037%
287	16.274	16.269	16.296	VV	1311	14162	0.69%	0.012%
288	16.308	16.296	16.321	VV	581	6908	0.34%	0.006%
289	16.336	16.321	16.396	VV	971	16075	0.79%	0.014%
290	16.432	16.396	16.454	PV	1979	40101	1.97%	0.035%
291	16.470	16.454	16.487	VV	1273	19336	0.95%	0.017%
292	16.536	16.487	16.559	VV	1748	46340	2.27%	0.041%
293	16.579	16.559	16.586	VV	1326	16970	0.83%	0.015%
294	16.591	16.586	16.599	VV	1102	8045	0.39%	0.007%
295	16.637	16.599	16.664	VV	2414	48039	2.36%	0.042%
296	16.726	16.664	16.761	PV	3047	85223	4.18%	0.075%
297	16.768	16.761	16.782	VV	951	8411	0.41%	0.007%
298	16.817	16.782	16.823	VV	995	16690	0.82%	0.015%
299	16.850	16.823	16.873	VV	1356	27415	1.34%	0.024%

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
300	16.892	16.873	16.897	VV	910	10693	0.52%	0.009%
301	16.903	16.897	16.924	VV	1045	12651		
302	16.949	16.924	16.978	VV	1236	25629		
303	17.013	16.978	17.018	VV	1459	23970		
304	17.036	17.018	17.059	VV	2227	34647		
305	17.094	17.059	17.129	VV	1975	36213		
306	17.155	17.129	17.170	VV	637	11614	0.57%	0.010%
307	17.195	17.170	17.232	VV	2981	54566	2.68%	0.048%
308	17.246	17.232	17.266	VV	1068	13545	0.66%	0.012%
309	17.278	17.266	17.282	VV	327	1642	0.08%	0.001%
310	17.335	17.282	17.354	VV	505	13354	0.65%	0.012%
311	17.360	17.354	17.379	VV	296	2432	0.12%	0.002%
312	17.406	17.379	17.415	VV	511	6770	0.33%	0.006%
313	17.443	17.415	17.477	VV	1342	29947	1.47%	0.026%
314	17.510	17.477	17.542	VV	1038	25645	1.26%	0.023%
315	17.554	17.542	17.559	VV	726	6065	0.30%	0.005%
316	17.564	17.559	17.569	VV	714	3242	0.16%	0.003%
317	17.590	17.569	17.596	VV	1588	17048	0.84%	0.015%
318	17.599	17.596	17.605	VV	1359	6772	0.33%	0.006%
319	17.645	17.605	17.672	VV	3264	74822	3.67%	0.066%
320	17.682	17.672	17.700	VV	828	10107	0.50%	0.009%
321	17.767	17.700	17.786	VV	1015	32297	1.58%	0.028%
322	17.825	17.786	17.842	VV	1031	18148	0.89%	0.016%
323	17.854	17.842	17.865	VV	562	4365	0.21%	0.004%
324	17.883	17.865	17.904	VV	528	7382	0.36%	0.006%
325	17.934	17.904	17.964	PV	483	7851	0.38%	0.007%
326	17.981	17.964	18.003	PV	491	6992	0.34%	0.006%
327	18.011	18.003	18.019	VV	386	2664	0.13%	0.002%
328	18.024	18.019	18.037	VV	403	3052	0.15%	0.003%
329	18.083	18.037	18.112	VV	5719	87056	4.27%	0.076%
330	18.140	18.112	18.174	VV	536	12512	0.61%	0.011%
331	18.194	18.174	18.199	VV	498	3954	0.19%	0.003%
332	18.207	18.199	18.212	VV	399	2772	0.14%	0.002%
333	18.235	18.212	18.251	VV	1107	17501	0.86%	0.015%
334	18.271	18.251	18.292	VV	1525	22622	1.11%	0.020%
335	18.303	18.292	18.305	VV	430	2745	0.13%	0.002%
336	18.322	18.305	18.339	VV	757	10141	0.50%	0.009%
337	18.358	18.339	18.365	VV	883	11288	0.55%	0.010%
338	18.370	18.365	18.391	VV	770	7219	0.35%	0.006%
339	18.409	18.391	18.422	VV	721	7547	0.37%	0.007%
340	18.460	18.422	18.480	VV	1934	42062	2.06%	0.037%
341	18.505	18.480	18.536	VV	7137	99614	4.88%	0.088%
342	18.549	18.536	18.572	PV	609	7100	0.35%	0.006%
343	18.600	18.572	18.621	VV	1618	27260	1.34%	0.024%
344	18.638	18.621	18.664	VV	718	10366	0.51%	0.009%
345	18.686	18.664	18.694	PV	693	6303	0.31%	0.006%
346	18.716	18.694	18.736	VV	1827	24159	1.18%	0.021%
347	18.740	18.736	18.745	VV	232	1283	0.06%	0.001%
348	18.762	18.745	18.767	VV	446	3990	0.20%	0.004%
349	18.774	18.767	18.784	VV	271	1786	0.09%	0.002%

Sum of corrected areas: 113843333

rteres
Aromatic EPH 110724.M Mon Nov 11 22:57:32 2024

Instrument :
FID_F
ClientSampleId :
EX-11-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-1			SDG No.:	P4721
Lab Sample ID:	P4721-08			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	83.7
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
11/08/24 08:47	11/08/24 21:08	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.59	J	1	0.45	1.19	mg/kg	FE051130.D
Aliphatic C12-C16	Aliphatic C12-C16	1.06		1	0.29	0.80	mg/kg	FE051130.D
Aliphatic C16-C21	Aliphatic C16-C21	0.77	J	1	0.36	1.19	mg/kg	FE051130.D
Aliphatic C21-C28	Aliphatic C21-C28	1.14	J	1	0.95	1.59	mg/kg	FE051130.D
Aliphatic C28-C40	Aliphatic C28-C40	19.4		1	2.15	2.38	mg/kg	FE051130.D
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.36	0.80	mg/kg	FF014978.D
Aromatic C12-C16	Aromatic C12-C16	0.64	J	1	0.41	1.19	mg/kg	FF014978.D
Aromatic C16-C21	Aromatic C16-C21	7.11		1	1.14	1.99	mg/kg	FF014978.D
Aromatic C21-C36	Aromatic C21-C36	2.45	J	1	2.38	3.18	mg/kg	FF014978.D
Total AliphaticEPH	Total AliphaticEPH	23.0			4.20	7.14	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.6			4.28	7.16	mg/kg	
Total EPH	Total EPH	33.6			8.48	14.3	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-08		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.7	
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
FE051130.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.59	J	0.45	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.06		0.29	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.77	J	0.36	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.14	J	0.95	1.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		19.4		2.15	2.38	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.2		40 - 140	74%	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:	P4721-08	Acq On:	08 Nov 2024 21:08
Client Sample ID:	EX-9-TPH-1	Operator:	YP\AJ
Data file:	FE051130.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	1044197	7.463	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1881201	13.376	200	ug/ml
Aliphatic C16-C21	10.192	13.550	1332302	9.671	300	ug/ml
Aliphatic C21-C28	13.551	17.206	1916409	14.307	400	ug/ml
Aliphatic C28-C40	17.207	22.053	31452685	244.296	600	ug/ml
Aliphatic EPH	3.140	22.053	37626794	289.113		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4220598	37.18		ug/ml
Aliphatic C9-C28	3.140	17.206	6174109	44.817	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051130.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 21:08
Operator : YP\AJ
Sample : P4721-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-1

Integration File: sample.E
Quant Time: Nov 09 00:44:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.285	4220598	37.176 ug/ml
Spiked Amount 50.000		Recovery = 74.35%	
Target Compounds			

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

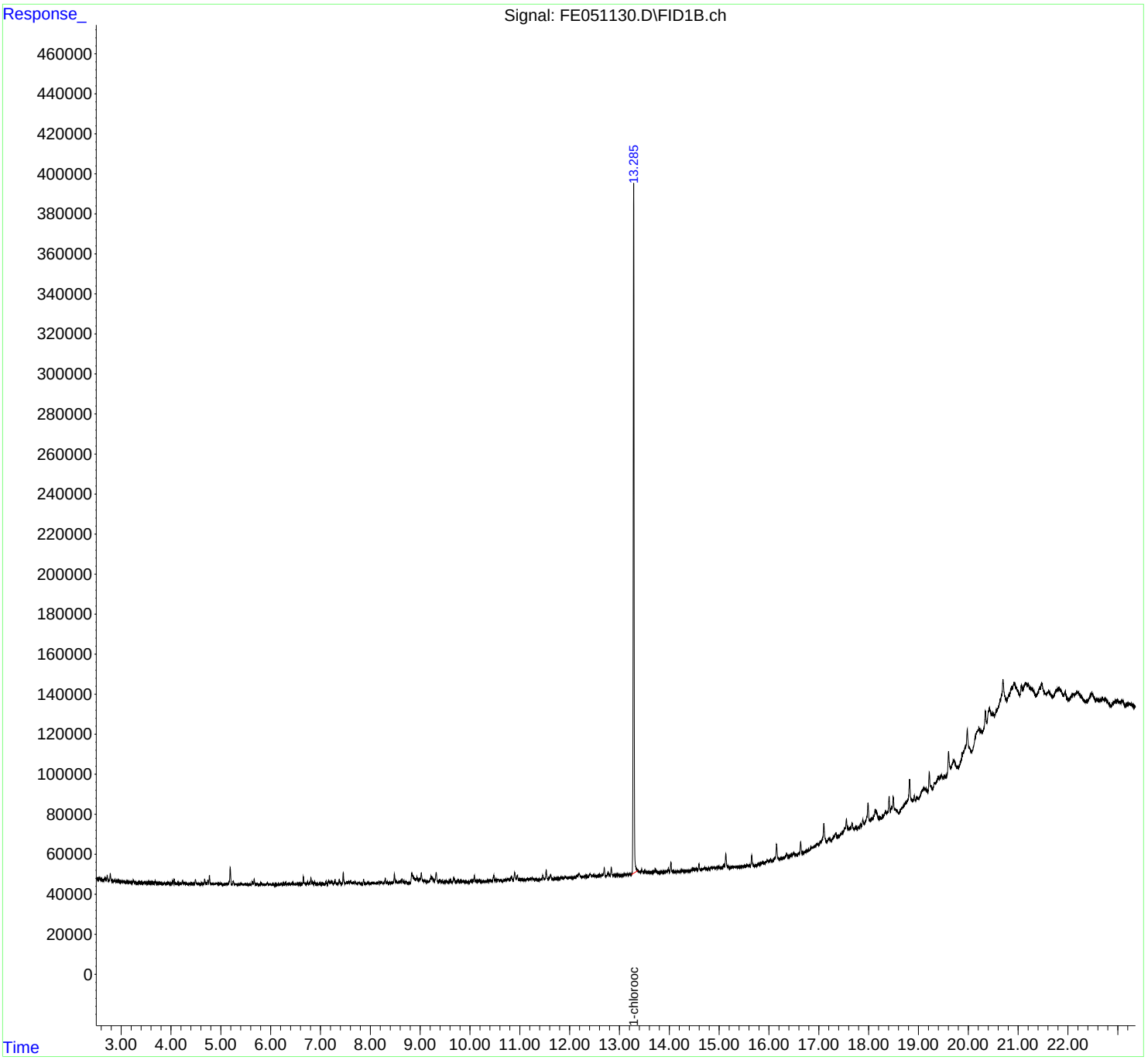
Quantitation Report (QT Reviewed)

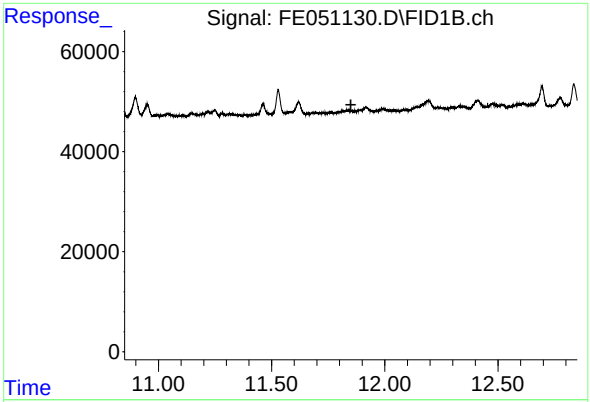
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051130.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 21:08
Operator : YP\AJ
Sample : P4721-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-1

Integration File: sample.E
Quant Time: Nov 09 00:44:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

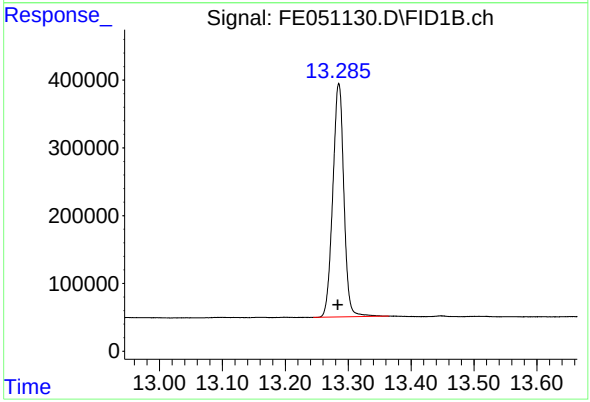




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: 0.002 min
Response: 4220598
Conc: 37.18 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051130.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 21:08
Sample : P4721-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.242	3.204	3.331	BV	969	20008	0.46%	0.046%
2	3.352	3.331	3.365	PV	157	1790	0.04%	0.004%
3	3.378	3.365	3.396	VV	252	3381	0.08%	0.008%
4	3.410	3.396	3.434	VV	280	3324	0.08%	0.008%
5	3.447	3.434	3.464	VV	271	3669	0.08%	0.009%
6	3.479	3.464	3.506	VV	358	5198	0.12%	0.012%
7	3.515	3.506	3.530	VV	135	1475	0.03%	0.003%
8	3.550	3.530	3.600	VV	674	15322	0.35%	0.036%
9	3.626	3.600	3.661	VV	799	11283	0.26%	0.026%
10	3.683	3.661	3.724	VV	1115	16044	0.37%	0.037%
11	3.763	3.724	3.801	VV	417	11152	0.26%	0.026%
12	3.816	3.801	3.854	VV	238	5730	0.13%	0.013%
13	3.869	3.854	3.904	VV	477	5793	0.13%	0.013%
14	3.931	3.904	3.981	VV	534	12984	0.30%	0.030%
15	4.028	3.981	4.045	PV	1551	21131	0.48%	0.049%
16	4.062	4.045	4.085	VV	2571	29236	0.67%	0.068%
17	4.096	4.085	4.116	VV	371	5487	0.13%	0.013%
18	4.139	4.116	4.162	VV	716	9524	0.22%	0.022%
19	4.197	4.162	4.210	VV	423	6634	0.15%	0.015%
20	4.231	4.210	4.278	VV	1945	30474	0.70%	0.071%
21	4.293	4.278	4.350	VV	344	6862	0.16%	0.016%
22	4.379	4.350	4.404	PV	403	6288	0.14%	0.015%
23	4.428	4.404	4.458	VV	419	6774	0.16%	0.016%
24	4.490	4.458	4.536	VV	2480	35710	0.82%	0.083%
25	4.556	4.536	4.585	VV	306	5228	0.12%	0.012%
26	4.615	4.585	4.640	VV	602	7468	0.17%	0.017%
27	4.676	4.640	4.720	VV	2676	41537	0.95%	0.096%
28	4.739	4.720	4.754	VV	2309	25031	0.57%	0.058%
29	4.772	4.754	4.813	VV	4510	55527	1.27%	0.129%
30	4.829	4.813	4.868	VV	461	12082	0.28%	0.028%
31	4.902	4.868	4.937	VV	818	18444	0.42%	0.043%
32	4.948	4.937	4.971	VV	527	7020	0.16%	0.016%
33	4.996	4.971	5.034	VV	771	13535	0.31%	0.031%
34	5.064	5.034	5.080	VV	196	3950	0.09%	0.009%
35	5.101	5.080	5.126	VV	778	11376	0.26%	0.026%
36	5.188	5.126	5.224	VV	8853	129186	2.96%	0.300%

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37	5.250	5.224	5.278	VV	1928	28852	0.66%	0.067%
38	5.288	5.278	5.295	VV	348	2841	0.07%	0.007%
39	5.307	5.295	5.341	VV	453	7095	0.16%	0.016%
40	5.374	5.341	5.383	PV	277	4125	0.09%	0.010%
41	5.399	5.383	5.438	VV	748	13874	0.32%	0.032%
42	5.443	5.438	5.455	VV	370	3124	0.07%	0.007%
43	5.466	5.455	5.480	VV	332	4286	0.10%	0.010%
44	5.499	5.480	5.512	VV	394	6414	0.15%	0.015%
45	5.527	5.512	5.551	VV	406	6555	0.15%	0.015%
46	5.562	5.551	5.571	VV	231	2646	0.06%	0.006%
47	5.587	5.571	5.606	VV	443	5644	0.13%	0.013%
48	5.631	5.606	5.651	VV	1612	22884	0.52%	0.053%
49	5.669	5.651	5.694	VV	3032	33826	0.78%	0.079%
50	5.729	5.694	5.763	VV	806	15538	0.36%	0.036%
51	5.804	5.763	5.873	VV	1197	29998	0.69%	0.070%
52	5.889	5.873	5.911	VV	429	5281	0.12%	0.012%
53	5.933	5.911	5.974	VV	1146	19178	0.44%	0.045%
54	5.994	5.974	6.014	VV	440	6427	0.15%	0.015%
55	6.039	6.014	6.047	VV	342	5338	0.12%	0.012%
56	6.054	6.047	6.084	VV	348	3537	0.08%	0.008%
57	6.104	6.084	6.134	PV	459	6717	0.15%	0.016%
58	6.154	6.134	6.171	VV	591	7712	0.18%	0.018%
59	6.210	6.171	6.232	VV	556	12943	0.30%	0.030%
60	6.257	6.232	6.278	VV	819	12597	0.29%	0.029%
61	6.301	6.278	6.324	VV	1576	21583	0.49%	0.050%
62	6.342	6.324	6.353	VV	457	6097	0.14%	0.014%
63	6.366	6.353	6.402	VV	503	10677	0.24%	0.025%
64	6.442	6.402	6.467	VV	998	21403	0.49%	0.050%
65	6.481	6.467	6.508	VV	445	7580	0.17%	0.018%
66	6.527	6.508	6.555	VV	557	10145	0.23%	0.024%
67	6.579	6.555	6.605	VV	384	10233	0.23%	0.024%
68	6.614	6.605	6.633	VV	359	4713	0.11%	0.011%
69	6.658	6.633	6.715	VV	4071	58487	1.34%	0.136%
70	6.740	6.715	6.762	VV	1549	20190	0.46%	0.047%
71	6.779	6.762	6.791	VV	1032	11062	0.25%	0.026%
72	6.809	6.791	6.830	VV	3587	41761	0.96%	0.097%
73	6.842	6.830	6.864	VV	1244	14348	0.33%	0.033%
74	6.884	6.864	6.905	VV	1394	15862	0.36%	0.037%
75	6.915	6.905	6.924	VV	246	2134	0.05%	0.005%
76	6.939	6.924	6.961	VV	382	5296	0.12%	0.012%
77	6.982	6.961	7.010	VV	748	12063	0.28%	0.028%
78	7.051	7.010	7.091	VV	442	10596	0.24%	0.025%
79	7.110	7.091	7.140	VV	1553	20351	0.47%	0.047%
80	7.163	7.140	7.200	VV	1776	37760	0.87%	0.088%
81	7.215	7.200	7.258	VV	1507	32969	0.76%	0.077%
82	7.293	7.258	7.322	VV	2466	38875	0.89%	0.090%
83	7.332	7.322	7.350	VV	358	3887	0.09%	0.009%
84	7.376	7.350	7.418	VV	2512	38036	0.87%	0.088%
85	7.457	7.418	7.495	VV	5865	77759	1.78%	0.181%
86	7.537	7.495	7.550	VV	911	22699	0.52%	0.053%
87	7.566	7.550	7.579	VV	1373	16730	0.38%	0.039%
88	7.602	7.579	7.628	VV	1854	31052	0.71%	0.072%
89	7.639	7.628	7.647	VV	725	7071	0.16%	0.016%

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90	7.664	7.647	7.678	VV	1014	15109	0.35%	0.035%
91	7.694	7.678	7.717	VV	1382	18555	0.43%	0.043%
92	7.730	7.717	7.750	VV	453	7720	0.18%	0.018%
93	7.776	7.750	7.800	VV	953	16538	0.38%	0.038%
94	7.816	7.800	7.840	VV	301	4298	0.10%	0.010%
95	7.866	7.840	7.903	PV	2411	28380	0.65%	0.066%
96	7.944	7.903	8.001	VV	851	20527	0.47%	0.048%
97	8.033	8.001	8.050	VV	707	11833	0.27%	0.027%
98	8.065	8.050	8.102	VV	563	12518	0.29%	0.029%
99	8.130	8.102	8.150	VV	664	10297	0.24%	0.024%
100	8.176	8.150	8.196	VV	1354	18942	0.43%	0.044%
101	8.211	8.196	8.222	VV	758	8613	0.20%	0.020%
102	8.232	8.222	8.254	VV	710	8794	0.20%	0.020%
103	8.270	8.254	8.282	VV	547	7009	0.16%	0.016%
104	8.301	8.282	8.331	VV	2829	33523	0.77%	0.078%
105	8.350	8.331	8.372	VV	650	10966	0.25%	0.025%
106	8.392	8.372	8.411	VV	824	12207	0.28%	0.028%
107	8.483	8.411	8.558	VV	4785	98405	2.26%	0.229%
108	8.595	8.558	8.614	VV	1140	28123	0.64%	0.065%
109	8.635	8.614	8.661	VV	2426	34159	0.78%	0.079%
110	8.676	8.661	8.697	VV	933	13578	0.31%	0.032%
111	8.716	8.697	8.749	VV	1176	17426	0.40%	0.040%
112	8.769	8.749	8.798	VV	287	5386	0.12%	0.013%
113	8.835	8.798	8.917	VV	4880	184570	4.23%	0.429%
114	8.936	8.917	8.959	VV	2975	56140	1.29%	0.130%
115	8.975	8.959	8.985	VV	2051	28140	0.65%	0.065%
116	9.022	8.985	9.067	VV	5103	117636	2.70%	0.273%
117	9.088	9.067	9.118	VV	1319	28110	0.64%	0.065%
118	9.137	9.118	9.158	VV	1081	18457	0.42%	0.043%
119	9.170	9.158	9.184	VV	934	12549	0.29%	0.029%
120	9.220	9.184	9.233	VV	3554	61925	1.42%	0.144%
121	9.243	9.233	9.283	VV	2655	55044	1.26%	0.128%
122	9.321	9.283	9.364	VV	5307	107939	2.47%	0.251%
123	9.394	9.364	9.418	VV	1821	28873	0.66%	0.067%
124	9.443	9.418	9.477	VV	1034	19682	0.45%	0.046%
125	9.526	9.477	9.564	VV	678	24495	0.56%	0.057%
126	9.610	9.564	9.642	VV	1180	31348	0.72%	0.073%
127	9.675	9.642	9.724	VV	2312	48342	1.11%	0.112%
128	9.763	9.724	9.793	VV	990	26313	0.60%	0.061%
129	9.814	9.793	9.831	VV	979	15153	0.35%	0.035%
130	9.844	9.831	9.856	VV	710	8778	0.20%	0.020%
131	9.866	9.856	9.909	VV	619	12064	0.28%	0.028%
132	9.925	9.909	9.950	VV	319	5613	0.13%	0.013%
133	9.961	9.950	9.980	VV	210	2291	0.05%	0.005%
134	10.008	9.980	10.024	PV	731	10927	0.25%	0.025%
135	10.043	10.024	10.068	VV	794	15019	0.34%	0.035%
136	10.088	10.068	10.133	VV	3371	50143	1.15%	0.116%
137	10.160	10.133	10.225	VV	787	28433	0.65%	0.066%
138	10.234	10.225	10.246	VV	288	2961	0.07%	0.007%
139	10.258	10.246	10.280	VV	462	4534	0.10%	0.011%
140	10.328	10.280	10.337	VV	185	4854	0.11%	0.011%
141	10.367	10.337	10.380	VV	517	8246	0.19%	0.019%

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142	10.405	10.380	10.422	VV	731	12199	0.28%	0.028%
143	10.437	10.422	10.447	VV	500	5847	0.13%	0.014%
144	10.476	10.447	10.500	VV	3100	49251	1.13%	0.114%
145	10.517	10.500	10.541	VV	851	16212	0.37%	0.038%
146	10.565	10.541	10.604	VV	826	21797	0.50%	0.051%
147	10.620	10.604	10.648	VV	569	9072	0.21%	0.021%
148	10.688	10.648	10.699	VV	794	11882	0.27%	0.028%
149	10.717	10.699	10.737	VV	769	14234	0.33%	0.033%
150	10.760	10.737	10.788	VV	1191	24749	0.57%	0.057%
151	10.828	10.788	10.862	VV	2179	47012	1.08%	0.109%
152	10.898	10.862	10.924	VV	4155	70782	1.62%	0.164%
153	10.951	10.924	11.004	VV	2643	50971	1.17%	0.118%
154	11.041	11.004	11.086	VV	685	19216	0.44%	0.045%
155	11.105	11.086	11.123	VV	371	5724	0.13%	0.013%
156	11.149	11.123	11.177	VV	628	14093	0.32%	0.033%
157	11.219	11.177	11.230	VV	990	19523	0.45%	0.045%
158	11.248	11.230	11.267	VV	1186	17821	0.41%	0.041%
159	11.281	11.267	11.297	VV	548	6897	0.16%	0.016%
160	11.317	11.297	11.344	VV	379	8240	0.19%	0.019%
161	11.356	11.344	11.368	VV	156	1808	0.04%	0.004%
162	11.380	11.368	11.398	VV	133	1546	0.04%	0.004%
163	11.462	11.398	11.500	PV	2318	36857	0.84%	0.086%
164	11.529	11.500	11.564	VV	5013	66946	1.53%	0.155%
165	11.619	11.564	11.652	VV	2479	48145	1.10%	0.112%
166	11.690	11.652	11.708	PV	236	4288	0.10%	0.010%
167	11.730	11.708	11.742	VV	243	3259	0.07%	0.008%
168	11.758	11.742	11.778	VV	219	3288	0.08%	0.008%
169	11.842	11.778	11.867	VV	487	17805	0.41%	0.041%
170	11.917	11.867	11.949	VV	1068	27356	0.63%	0.064%
171	11.990	11.949	12.064	VV	680	23722	0.54%	0.055%
172	12.095	12.064	12.111	VV	370	7881	0.18%	0.018%
173	12.193	12.111	12.224	VV	2192	75523	1.73%	0.175%
174	12.234	12.224	12.277	VV	689	16398	0.38%	0.038%
175	12.298	12.277	12.311	VV	630	10399	0.24%	0.024%
176	12.328	12.311	12.373	VV	809	21950	0.50%	0.051%
177	12.411	12.373	12.448	VV	1791	44908	1.03%	0.104%
178	12.478	12.448	12.506	VV	1164	28513	0.65%	0.066%
179	12.521	12.506	12.539	VV	772	12338	0.28%	0.029%
180	12.608	12.539	12.638	VV	1003	39321	0.90%	0.091%
181	12.694	12.638	12.724	VV	4426	80654	1.85%	0.187%
182	12.775	12.724	12.810	VV	1969	43527	1.00%	0.101%
183	12.835	12.810	12.911	VV	4612	79244	1.82%	0.184%
184	12.947	12.911	13.018	VV	713	27953	0.64%	0.065%
185	13.042	13.018	13.065	PV	249	4303	0.10%	0.010%
186	13.099	13.065	13.142	VV	667	19830	0.45%	0.046%
187	13.159	13.142	13.181	VV	621	11014	0.25%	0.026%
188	13.200	13.181	13.217	VV	704	10857	0.25%	0.025%
189	13.231	13.217	13.248	VV	519	8391	0.19%	0.019%
190	13.285	13.248	13.415	VV	346299	4362138	100.00%	10.129%
191	13.447	13.415	13.481	VV	2407	62185	1.43%	0.144%
192	13.509	13.481	13.540	VV	1559	45976	1.05%	0.107%
193	13.555	13.540	13.594	VV	978	27990	0.64%	0.065%
194	13.610	13.594	13.623	VV	837	13082	0.30%	0.030%

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195	13.656	13.623	13.688	VV	958	30139	0.69%	0.070%
196	13.719	13.688	13.767	VV	1826	53602	1.23%	0.124%
197	13.822	13.767	13.851	VV	574	23617	0.54%	0.055%
198	13.891	13.851	13.921	VV	658	21812	0.50%	0.051%
199	13.941	13.921	13.954	VV	761	11342	0.26%	0.026%
200	13.981	13.954	14.005	VV	1904	32228	0.74%	0.075%
201	14.032	14.005	14.118	VV	5151	86671	1.99%	0.201%
202	14.128	14.118	14.138	VV	272	2440	0.06%	0.006%
203	14.168	14.138	14.220	VV	386	8136	0.19%	0.019%
204	14.247	14.220	14.284	PV	683	12835	0.29%	0.030%
205	14.305	14.284	14.317	VV	364	4680	0.11%	0.011%
206	14.357	14.317	14.384	VV	314	9116	0.21%	0.021%
207	14.475	14.384	14.509	VV	1389	38593	0.88%	0.090%
208	14.534	14.509	14.568	VV	803	20134	0.46%	0.047%
209	14.595	14.568	14.634	VV	3096	44279	1.02%	0.103%
210	14.706	14.634	14.754	VV	1023	42385	0.97%	0.098%
211	14.764	14.754	14.781	VV	519	7352	0.17%	0.017%
212	14.789	14.781	14.813	VV	530	8145	0.19%	0.019%
213	14.841	14.813	14.872	VV	1496	30899	0.71%	0.072%
214	14.891	14.872	14.925	VV	1039	26360	0.60%	0.061%
215	14.942	14.925	14.960	VV	956	15469	0.35%	0.036%
216	14.994	14.960	15.026	VV	782	26350	0.60%	0.061%
217	15.090	15.026	15.108	VV	1999	43875	1.01%	0.102%
218	15.134	15.108	15.230	VV	7316	135585	3.11%	0.315%
219	15.266	15.230	15.278	VV	406	9324	0.21%	0.022%
220	15.297	15.278	15.317	VV	719	11025	0.25%	0.026%
221	15.332	15.317	15.348	VV	406	5891	0.14%	0.014%
222	15.373	15.348	15.409	VV	450	9409	0.22%	0.022%
223	15.500	15.409	15.531	PV	310	16648	0.38%	0.039%
224	15.566	15.531	15.584	VV	585	11961	0.27%	0.028%
225	15.608	15.584	15.627	VV	718	11954	0.27%	0.028%
226	15.653	15.627	15.711	VV	5324	76591	1.76%	0.178%
227	15.722	15.711	15.738	PV	112	1083	0.02%	0.003%
228	15.784	15.738	15.802	PV	395	5378	0.12%	0.012%
229	15.872	15.802	15.884	VV	806	18497	0.42%	0.043%
230	15.896	15.884	15.931	VV	532	9843	0.23%	0.023%
231	15.974	15.931	15.992	VV	1099	25557	0.59%	0.059%
232	16.034	15.992	16.064	VV	1227	28238	0.65%	0.066%
233	16.153	16.064	16.219	VV	8194	164232	3.76%	0.381%
234	16.247	16.219	16.262	VV	527	8269	0.19%	0.019%
235	16.291	16.262	16.302	VV	632	9827	0.23%	0.023%
236	16.356	16.302	16.388	VV	2172	46504	1.07%	0.108%
237	16.443	16.388	16.467	VV	971	26826	0.61%	0.062%
238	16.496	16.467	16.527	VV	1398	32046	0.73%	0.074%
239	16.540	16.527	16.554	VV	587	6249	0.14%	0.015%
240	16.636	16.554	16.664	PV	6122	103586	2.37%	0.241%
241	16.675	16.664	16.694	VV	372	4902	0.11%	0.011%
242	16.720	16.694	16.734	PV	586	6872	0.16%	0.016%
243	16.797	16.734	16.811	VV	766	23802	0.55%	0.055%
244	16.861	16.811	16.876	VV	1092	34977	0.80%	0.081%
245	16.975	16.876	16.996	VV	1779	95129	2.18%	0.221%
246	17.029	16.996	17.041	VV	2382	46864	1.07%	0.109%

247	17.102	17.041	17.167	VV	10651	287809	6.60%	0.668%
248	17.210	17.167	17.257	VV	1992	68515	1.57%	0.159%
249	17.340	17.257	17.374	VV	3433	129503	2.97%	0.301%
250	17.554	17.374	17.581	VV	8232	350285	8.03%	0.813%
251	17.586	17.581	17.600	VV	3560	34725	0.80%	0.081%
252	17.668	17.600	17.710	VV	4828	192711	4.42%	0.447%
253	17.746	17.710	17.771	VV	2637	63640	1.46%	0.148%
254	17.789	17.771	17.799	VV	1446	19875	0.46%	0.046%
255	17.837	17.799	17.855	VV	2845	56107	1.29%	0.130%
256	17.884	17.855	17.908	VV	4526	88870	2.04%	0.206%
257	17.988	17.908	18.016	VV	11614	314332	7.21%	0.730%
258	18.026	18.016	18.044	VV	2845	43741	1.00%	0.102%
259	18.063	18.044	18.074	VV	2968	49357	1.13%	0.115%
260	18.130	18.074	18.144	VV	6808	183431	4.21%	0.426%
261	18.156	18.144	18.208	VV	5711	136678	3.13%	0.317%
262	18.231	18.208	18.251	VV	2297	40523	0.93%	0.094%
263	18.336	18.251	18.350	VV	3739	128838	2.95%	0.299%
264	18.411	18.350	18.437	VV	10340	242542	5.56%	0.563%
265	18.464	18.437	18.473	VV	4529	87091	2.00%	0.202%
266	18.494	18.473	18.524	VV	9055	169995	3.90%	0.395%
267	18.531	18.524	18.551	VV	3023	40549	0.93%	0.094%
268	18.564	18.551	18.608	VV	2092	37243	0.85%	0.086%
269	18.821	18.608	18.887	PV	13821	574490	13.17%	1.334%
270	18.916	18.887	18.944	VV	4397	87922	2.02%	0.204%
271	18.967	18.944	19.007	VV	2782	74190	1.70%	0.172%
272	19.108	19.007	19.131	VV	5389	275446	6.31%	0.640%
273	19.149	19.131	19.181	VV	4254	106335	2.44%	0.247%
274	19.217	19.181	19.238	VV	11501	206699	4.74%	0.480%
275	19.248	19.238	19.283	VV	4473	89846	2.06%	0.209%
276	19.316	19.283	19.330	VV	4625	97436	2.23%	0.226%
277	19.337	19.330	19.348	VV	4310	42109	0.97%	0.098%
278	19.398	19.348	19.417	VV	6286	219835	5.04%	0.510%
279	19.465	19.417	19.497	VV	6204	258325	5.92%	0.600%
280	19.514	19.497	19.543	VV	5675	132350	3.03%	0.307%
281	19.554	19.543	19.561	VV	4496	46409	1.06%	0.108%
282	19.604	19.561	19.652	VV	16073	486471	11.15%	1.130%
283	19.711	19.652	19.778	VV	10400	616961	14.14%	1.433%
284	19.798	19.778	19.811	VV	5633	105382	2.42%	0.245%
285	19.979	19.811	20.067	VV	21581	1765833	40.48%	4.100%
286	20.216	20.067	20.239	VV	18683	1531652	35.11%	3.557%
287	20.249	20.239	20.288	VV	17186	478333	10.97%	1.111%
288	20.343	20.288	20.370	VV	25390	976492	22.39%	2.268%
289	20.422	20.370	20.484	VV	25557	1559778	35.76%	3.622%
290	20.498	20.484	20.525	VV	22098	514908	11.80%	1.196%
291	20.643	20.525	20.650	VV	27147	1748964	40.09%	4.061%
292	20.697	20.650	20.772	VV	35840	2099732	48.14%	4.876%
293	20.919	20.772	21.034	VV	31355	4304799	98.69%	9.996%
294	21.066	21.034	21.088	VV	27821	815574	18.70%	1.894%
295	21.158	21.088	21.183	VV	27610	1504150	34.48%	3.493%
296	21.199	21.183	21.251	VV	26225	1013708	23.24%	2.354%
297	21.261	21.251	21.357	VV	23404	1337118	30.65%	3.105%
298	21.476	21.357	21.562	VV	22434	2355981	54.01%	5.471%
299	21.617	21.562	21.682	VV	16637	1090953	25.01%	2.533%

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300	21.690	21.682	21.707	VV	12904	196740	4.51%	0.457%
301	21.796	21.707	21.816	VV	15299	920755	21.11%	2.138%
302	21.840	21.816	21.911	VV	14456	723321	16.58%	1.680%
303	21.943	21.911	22.010	VV	11299	531586	12.19%	1.234%
304	22.022	22.010	22.031	VV	6642	83551	1.92%	0.194%
305	22.097	22.031	22.121	VV	7856	390943	8.96%	0.908%
306	22.179	22.121	22.198	VV	7900	337731	7.74%	0.784%
307	22.207	22.198	22.343	VV	7382	336839	7.72%	0.782%
308	22.355	22.343	22.381	VV	741	9813	0.22%	0.023%

Sum of corrected areas: 43064260

Aliphatic EPH 110724.M Mon Nov 11 00:57:03 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-08		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.7	
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
FF014978.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.43	J	0.36	0.80	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.64	J	0.41	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	7.11		1.14	1.99	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.45	J	2.38	3.18	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.9		40 - 140	126%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	59.9		40 - 140	120%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		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:	P4721-08	Acq On:	08 Nov 2024 18:55
Client Sample ID:	EX-9-TPH-1	Operator:	YP\AJ
Data file:	FF014978.D	Misc:	
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	837201	5.416	200	ug/ml
Aromatic C12-C16	6.366	8.961	1231631	8.02	300	ug/ml
Aromatic C16-C21	8.962	13.378	12720234	89.518	500	ug/ml
Aromatic C21-C36	13.379	18.826	4253693	30.815	800	ug/ml
Aromatic EPH	4.496	18.826	19042759	133.77		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	8373036	62.92		ug/ml
2-Flurobiphenyl (SURR)	8.871	8.871	5337555	59.85		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	5677772	38.55		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014978.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 18:55
Operator : YP\AJ
Sample : P4721-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-1

Integration File: autoint1.e
Quant Time: Nov 09 00:27:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.996	8373036	62.916 ug/ml
Spiked Amount 50.000		Recovery = 125.83%	
6) S 2-Flurobiphenyl (SURR)	8.871	5337555	59.846 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 119.69%	
11) S ortho-Terphenyl (SURR)	11.931	5677772	38.549 ug/ml
Spiked Amount 50.000		Recovery = 77.10%	
Target Compounds			

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

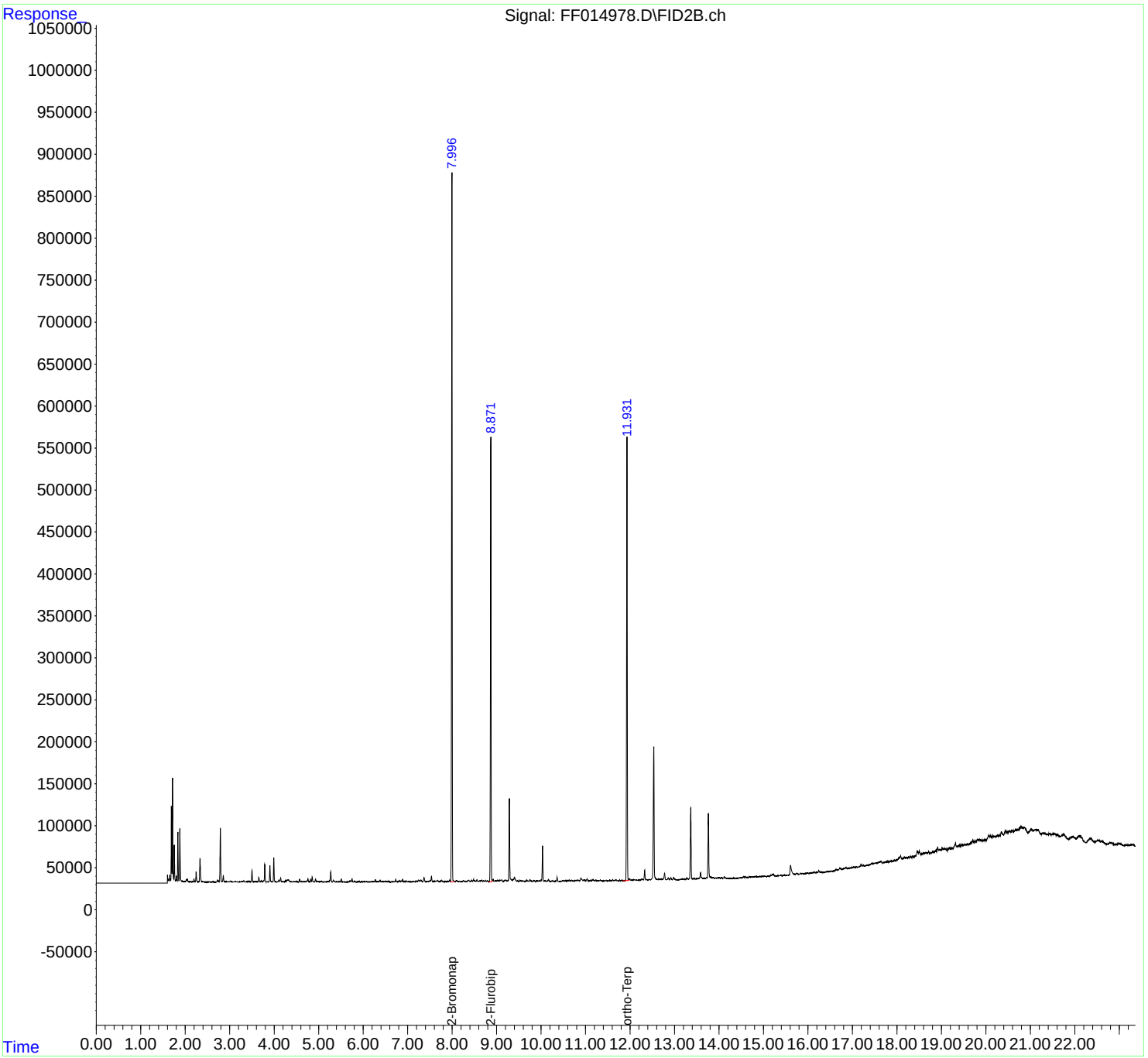
Quantitation Report (QT Reviewed)

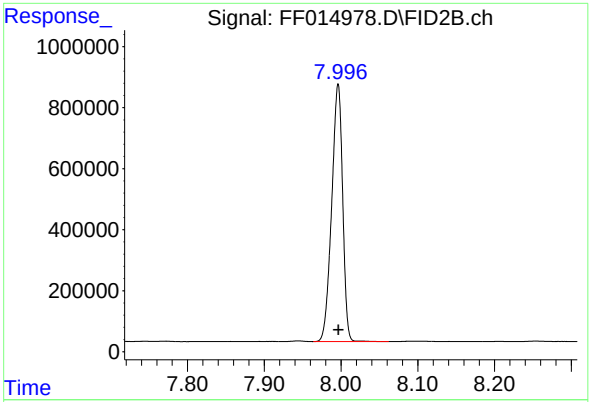
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014978.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 18:55
Operator : YP\AJ
Sample : P4721-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-1

Integration File: autoint1.e
Quant Time: Nov 09 00:27:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

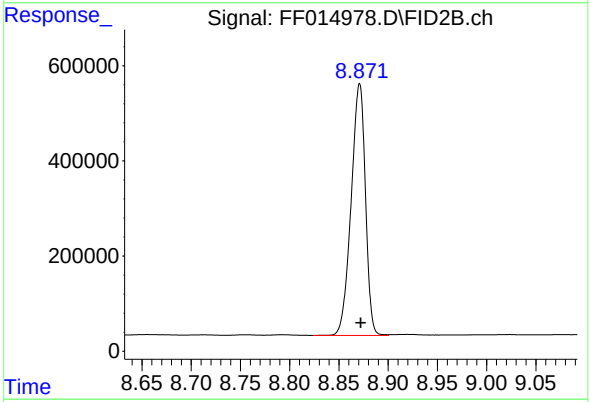




#4 2-Bromonaphthalene (SURR)

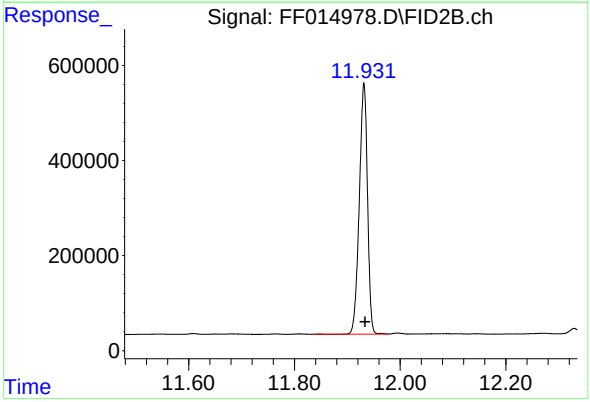
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 8373036
Conc: 62.92 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-1



#6 2-Flurobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: -0.001 min
Response: 5337555
Conc: 59.85 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.002 min
Response: 5677772
Conc: 38.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014978.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 18:55
Sample : P4721-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.431	4.400	4.447	BV	392	3393	0.04%	0.010%
2	4.458	4.447	4.474	VV	462	4622	0.06%	0.014%
3	4.513	4.474	4.538	VV	571	8146	0.10%	0.025%
4	4.571	4.546	4.595	VV	3235	36048	0.43%	0.110%
5	4.608	4.595	4.625	VV	716	7080	0.08%	0.022%
6	4.653	4.625	4.679	VV	965	12387	0.15%	0.038%
7	4.699	4.679	4.713	VV	762	7893	0.09%	0.024%
8	4.735	4.713	4.744	VV	1226	13505	0.16%	0.041%
9	4.760	4.744	4.780	VV	3845	41441	0.49%	0.126%
10	4.793	4.780	4.803	VV	374	3583	0.04%	0.011%
11	4.822	4.803	4.838	VV	3310	33975	0.41%	0.104%
12	4.855	4.838	4.900	VV	6091	64796	0.77%	0.198%
13	4.930	4.900	4.968	VV	3756	50576	0.60%	0.154%
14	4.984	4.968	5.008	VV	1015	15256	0.18%	0.047%
15	5.034	5.008	5.047	VV	629	9987	0.12%	0.030%
16	5.065	5.047	5.097	VV	951	15281	0.18%	0.047%
17	5.114	5.097	5.139	VV	427	5031	0.06%	0.015%
18	5.150	5.139	5.165	VV	248	2209	0.03%	0.007%
19	5.185	5.165	5.220	PV	768	13238	0.16%	0.040%
20	5.246	5.220	5.254	VV	2342	23568	0.28%	0.072%
21	5.272	5.254	5.305	VV	11997	143040	1.71%	0.436%
22	5.332	5.305	5.347	VV	2446	29877	0.36%	0.091%
23	5.355	5.347	5.372	VV	1163	10564	0.13%	0.032%
24	5.384	5.372	5.404	VV	448	4828	0.06%	0.015%
25	5.407	5.404	5.422	VV	125	1198	0.01%	0.004%

26	5.440	5.422	5.462	VV	603	7625	0.09%	0.023%
27	5.478	5.462	5.492	VV	645	7335	0.09%	0.022%
28	5.509	5.492	5.545	VV	3591	37636	0.45%	0.115%
29	5.563	5.545	5.575	VV	261	3619	0.04%	0.011%
30	5.581	5.575	5.600	VV	271	2547	0.03%	0.008%
31	5.610	5.600	5.637	PV	112	1594	0.02%	0.005%
32	5.649	5.637	5.655	VV	229	1770	0.02%	0.005%
33	5.671	5.655	5.685	VV	360	4626	0.06%	0.014%
34	5.704	5.685	5.725	VV	1903	22416	0.27%	0.068%
35	5.750	5.725	5.777	VV	3985	48055	0.57%	0.147%
36	5.811	5.777	5.832	VV	1013	14261	0.17%	0.044%
37	5.896	5.843	5.920	VV	849	17331	0.21%	0.053%
38	5.928	5.920	5.943	VV	275	2575	0.03%	0.008%
39	5.965	5.943	5.982	VV	493	6734	0.08%	0.021%
40	5.997	5.982	6.008	VV	852	9156	0.11%	0.028%
41	6.017	6.008	6.039	VV	821	10178	0.12%	0.031%
42	6.055	6.039	6.073	VV	573	6971	0.08%	0.021%
43	6.088	6.073	6.102	VV	378	4716	0.06%	0.014%
44	6.111	6.102	6.130	VV	290	3268	0.04%	0.010%
45	6.141	6.130	6.160	VV	238	2640	0.03%	0.008%
46	6.184	6.160	6.205	VV	473	6756	0.08%	0.021%
47	6.235	6.205	6.252	VV	598	10214	0.12%	0.031%
48	6.276	6.252	6.300	VV	2974	35005	0.42%	0.107%
49	6.313	6.300	6.323	VV	532	6197	0.07%	0.019%
50	6.336	6.323	6.360	VV	774	10469	0.12%	0.032%
51	6.380	6.360	6.402	VV	2442	27867	0.33%	0.085%
52	6.420	6.402	6.435	VV	665	9870	0.12%	0.030%
53	6.447	6.435	6.477	VV	785	12458	0.15%	0.038%
54	6.508	6.477	6.555	VV	1092	29432	0.35%	0.090%
55	6.573	6.555	6.598	VV	1137	14065	0.17%	0.043%
56	6.654	6.598	6.683	VV	463	11734	0.14%	0.036%
57	6.693	6.683	6.712	VV	257	3590	0.04%	0.011%
58	6.733	6.712	6.762	VV	2883	33337	0.40%	0.102%
59	6.778	6.762	6.789	VV	384	4803	0.06%	0.015%
60	6.820	6.789	6.838	VV	1869	25588	0.31%	0.078%
61	6.855	6.838	6.870	VV	1411	16851	0.20%	0.051%
62	6.887	6.870	6.908	VV	3409	37376	0.45%	0.114%
63	6.924	6.908	6.945	VV	990	12865	0.15%	0.039%
64	6.962	6.945	6.981	VV	1799	18935	0.23%	0.058%
65	6.993	6.981	7.004	VV	347	3359	0.04%	0.010%
66	7.017	7.004	7.039	VV	700	7130	0.09%	0.022%
67	7.061	7.039	7.087	PV	718	11879	0.14%	0.036%
68	7.093	7.087	7.099	VV	310	2042	0.02%	0.006%
69	7.117	7.099	7.127	VV	606	7460	0.09%	0.023%

rteres

70	7.140	7.127	7.161	VV	890	10106	0.12%	0.031%
71	7.188	7.161	7.207	VV	1740	21933	0.26%	0.067%
72	7.213	7.207	7.220	VV	447	3472	0.04%	0.011%
73	7.243	7.220	7.257	VV	2399	32323	0.39%	0.099%
74	7.264	7.257	7.278	VV	1401	15027	0.18%	0.046%
75	7.306	7.278	7.339	VV	2081	45877	0.55%	0.140%
76	7.369	7.339	7.419	VV	5356	79413	0.95%	0.242%
77	7.423	7.419	7.437	VV	422	3215	0.04%	0.010%
78	7.456	7.437	7.467	VV	1002	11798	0.14%	0.036%
79	7.478	7.467	7.491	VV	781	9721	0.12%	0.030%
80	7.506	7.491	7.517	VV	1813	18397	0.22%	0.056%
81	7.536	7.517	7.564	VV	6686	79477	0.95%	0.243%
82	7.597	7.564	7.607	VV	830	15741	0.19%	0.048%
83	7.614	7.607	7.627	VV	788	7854	0.09%	0.024%
84	7.647	7.627	7.660	VV	1257	17484	0.21%	0.053%
85	7.677	7.660	7.699	VV	1836	26142	0.31%	0.080%
86	7.716	7.699	7.729	VV	640	8730	0.10%	0.027%
87	7.744	7.729	7.757	VV	1180	15768	0.19%	0.048%
88	7.771	7.757	7.793	VV	1556	18736	0.22%	0.057%
89	7.819	7.793	7.829	VV	250	3596	0.04%	0.011%
90	7.855	7.829	7.877	VV	517	9026	0.11%	0.028%
91	7.893	7.877	7.900	VV	590	5753	0.07%	0.018%
92	7.911	7.900	7.924	VV	613	6775	0.08%	0.021%
93	7.944	7.924	7.963	VV	2466	27009	0.32%	0.082%
94	7.996	7.963	8.072	VV	847098	8383983	100.00%	25.582%
95	8.090	8.072	8.098	VV	1230	13305	0.16%	0.041%
96	8.105	8.098	8.130	VV	1241	17008	0.20%	0.052%
97	8.141	8.130	8.158	VV	497	7211	0.09%	0.022%
98	8.166	8.158	8.190	VV	421	6294	0.08%	0.019%
99	8.206	8.190	8.224	VV	717	8943	0.11%	0.027%
100	8.254	8.224	8.278	VV	1749	27227	0.32%	0.083%
101	8.289	8.278	8.302	VV	538	6403	0.08%	0.020%
102	8.312	8.302	8.325	VV	562	6173	0.07%	0.019%
103	8.361	8.325	8.368	VV	1807	26069	0.31%	0.080%
104	8.377	8.368	8.412	VV	2021	25579	0.31%	0.078%
105	8.433	8.412	8.464	VV	1753	30351	0.36%	0.093%
106	8.482	8.464	8.497	VV	2834	32627	0.39%	0.100%
107	8.510	8.497	8.530	VV	1835	22506	0.27%	0.069%
108	8.558	8.530	8.582	VV	2586	39863	0.48%	0.122%
109	8.594	8.582	8.603	VV	852	9097	0.11%	0.028%
110	8.619	8.603	8.631	VV	1229	16529	0.20%	0.050%
111	8.655	8.631	8.694	VV	1783	46702	0.56%	0.143%
112	8.713	8.694	8.737	VV	1102	19910	0.24%	0.061%

rteres

113	8.756	8.737	8.773	VV	1383	18458	0.22%	0.056%
114	8.792	8.773	8.824	VV	1443	20932	0.25%	0.064%
115	8.871	8.824	8.900	PV	529815	5337817	63.67%	16.287%
116	8.920	8.900	8.957	VV	2078	46430	0.55%	0.142%
117	8.995	8.957	8.999	VV	1222	25704	0.31%	0.078%
118	9.023	8.999	9.038	VV	1696	32682	0.39%	0.100%
119	9.051	9.038	9.060	VV	1356	15888	0.19%	0.048%
120	9.075	9.060	9.087	VV	1660	23172	0.28%	0.071%
121	9.101	9.087	9.144	VV	2208	51390	0.61%	0.157%
122	9.164	9.144	9.174	VV	1069	13495	0.16%	0.041%
123	9.188	9.174	9.195	VV	1560	16648	0.20%	0.051%
124	9.209	9.195	9.234	VV	2017	32464	0.39%	0.099%
125	9.243	9.234	9.257	VV	869	10990	0.13%	0.034%
126	9.287	9.257	9.317	VV	98971	1042790	12.44%	3.182%
127	9.319	9.317	9.353	VV	3069	47516	0.57%	0.145%
128	9.379	9.353	9.387	VV	3004	47280	0.56%	0.144%
129	9.403	9.387	9.456	VV	5501	116282	1.39%	0.355%
130	9.474	9.456	9.496	VV	1323	17747	0.21%	0.054%
131	9.532	9.496	9.554	VV	1564	28298	0.34%	0.086%
132	9.567	9.554	9.586	VV	1418	16721	0.20%	0.051%
133	9.606	9.586	9.627	VV	845	14367	0.17%	0.044%
134	9.630	9.627	9.637	VV	457	2369	0.03%	0.007%
135	9.671	9.637	9.702	VV	1973	37878	0.45%	0.116%
136	9.715	9.702	9.732	VV	765	10126	0.12%	0.031%
137	9.752	9.732	9.805	VV	2306	41658	0.50%	0.127%
138	9.834	9.805	9.870	VV	1410	28513	0.34%	0.087%
139	9.893	9.870	9.920	VV	909	17155	0.20%	0.052%
140	9.937	9.920	9.946	VV	686	8207	0.10%	0.025%
141	9.960	9.946	9.977	VV	1133	15073	0.18%	0.046%
142	10.001	9.977	10.011	VV	2209	27248	0.33%	0.083%
143	10.033	10.011	10.060	VV	42821	448813	5.35%	1.369%
144	10.085	10.060	10.122	VV	980	24404	0.29%	0.074%
145	10.137	10.122	10.147	VV	476	6459	0.08%	0.020%
146	10.165	10.147	10.201	VV	2516	38439	0.46%	0.117%
147	10.207	10.201	10.219	VV	338	3508	0.04%	0.011%
148	10.240	10.219	10.260	VV	832	14390	0.17%	0.044%
149	10.265	10.260	10.307	VV	647	11783	0.14%	0.036%
150	10.360	10.307	10.387	VV	4772	60889	0.73%	0.186%
151	10.412	10.387	10.427	PV	217	2202	0.03%	0.007%
152	10.443	10.427	10.460	VV	477	5273	0.06%	0.016%
153	10.496	10.460	10.525	VV	1155	26551	0.32%	0.081%
154	10.560	10.525	10.577	VV	1124	20720	0.25%	0.063%
155	10.604	10.577	10.618	VV	1431	24113	0.29%	0.074%

156	10.634	10.618	10.662	VV	1424	25014	0.30%	0.076%
157	10.681	10.662	10.708	VV	1789	28760	0.34%	0.088%
158	10.719	10.708	10.733	VV	396	5111	0.06%	0.016%
159	10.755	10.733	10.758	VV	1151	11129	0.13%	0.034%
160	10.770	10.758	10.787	VV	1374	20357	0.24%	0.062%
161	10.792	10.787	10.795	VV	1064	5348	0.06%	0.016%
162	10.809	10.795	10.824	VV	1466	20546	0.25%	0.063%
163	10.854	10.824	10.874	VV	1333	31511	0.38%	0.096%
164	10.897	10.874	10.942	VV	4017	89535	1.07%	0.273%
165	10.960	10.942	11.000	VV	1617	41948	0.50%	0.128%
166	11.034	11.000	11.074	VV	2887	58083	0.69%	0.177%
167	11.123	11.074	11.142	VV	1104	27108	0.32%	0.083%
168	11.158	11.142	11.171	VV	2150	24733	0.29%	0.075%
169	11.181	11.171	11.205	VV	1564	21909	0.26%	0.067%
170	11.233	11.205	11.265	VV	1251	24146	0.29%	0.074%
171	11.303	11.265	11.310	VV	546	11322	0.14%	0.035%
172	11.334	11.310	11.355	VV	1290	21526	0.26%	0.066%
173	11.359	11.355	11.385	VV	470	5741	0.07%	0.018%
174	11.399	11.385	11.407	VV	271	2247	0.03%	0.007%
175	11.410	11.407	11.424	VV	259	1599	0.02%	0.005%
176	11.448	11.424	11.453	VV	501	5223	0.06%	0.016%
177	11.468	11.453	11.487	VV	806	9824	0.12%	0.030%
178	11.544	11.487	11.567	PV	854	23014	0.27%	0.070%
179	11.609	11.567	11.631	VV	1872	28690	0.34%	0.088%
180	11.652	11.631	11.667	VV	816	13213	0.16%	0.040%
181	11.682	11.667	11.733	VV	1150	23015	0.27%	0.070%
182	11.767	11.733	11.784	VV	978	12790	0.15%	0.039%
183	11.813	11.784	11.835	PV	755	13261	0.16%	0.040%
184	11.846	11.835	11.865	VV	377	4867	0.06%	0.015%
185	11.932	11.865	11.978	VV	527247	5699399	67.98%	17.391%
186	11.996	11.978	12.022	VV	2550	35385	0.42%	0.108%
187	12.086	12.022	12.102	VV	1133	39298	0.47%	0.120%
188	12.111	12.102	12.127	VV	1000	11436	0.14%	0.035%
189	12.144	12.127	12.169	VV	999	15058	0.18%	0.046%
190	12.177	12.169	12.190	VV	311	2987	0.04%	0.009%
191	12.215	12.190	12.223	VV	552	8259	0.10%	0.025%
192	12.272	12.223	12.292	VV	1790	45051	0.54%	0.137%
193	12.330	12.292	12.354	VV	11988	152517	1.82%	0.465%
194	12.370	12.354	12.392	VV	1486	19462	0.23%	0.059%
195	12.436	12.392	12.454	VV	1224	26383	0.31%	0.081%
196	12.535	12.454	12.624	VV	159159	2157907	25.74%	6.584%
197	12.642	12.624	12.670	VV	985	23271	0.28%	0.071%
198	12.684	12.670	12.702	VV	995	17592	0.21%	0.054%
199	12.708	12.702	12.732	VV	1103	14874	0.18%	0.045%

200	12.777	12.732	12.815	VV	8009	136569	1.63%	0.417%
201	12.859	12.815	12.887	VV	2567	46121	0.55%	0.141%
202	12.920	12.887	12.946	VV	2344	41123	0.49%	0.125%
203	12.979	12.946	13.035	VV	3022	50781	0.61%	0.155%
204	13.079	13.052	13.088	PV	189	1532	0.02%	0.005%
205	13.107	13.088	13.123	VV	329	3377	0.04%	0.010%
206	13.141	13.123	13.157	VV	731	9217	0.11%	0.028%
207	13.193	13.157	13.228	VV	907	27596	0.33%	0.084%
208	13.232	13.228	13.257	VV	384	4973	0.06%	0.015%
209	13.276	13.257	13.304	VV	2440	33679	0.40%	0.103%
210	13.365	13.304	13.396	VV	85439	1055612	12.59%	3.221%
211	13.412	13.396	13.442	VV	1054	21219	0.25%	0.065%
212	13.448	13.442	13.472	VV	779	12802	0.15%	0.039%
213	13.482	13.472	13.502	VV	755	11064	0.13%	0.034%
214	13.529	13.502	13.535	VV	1141	15964	0.19%	0.049%
215	13.585	13.535	13.639	VV	7990	160747	1.92%	0.490%
216	13.646	13.639	13.662	VV	1065	13337	0.16%	0.041%
217	13.673	13.662	13.687	VV	1125	14833	0.18%	0.045%
218	13.761	13.687	13.847	VV	78059	1038326	12.38%	3.168%
219	13.866	13.847	13.892	VV	1941	37990	0.45%	0.116%
220	13.908	13.892	13.919	VV	1026	14766	0.18%	0.045%
221	13.936	13.919	13.953	VV	1170	20142	0.24%	0.061%
222	13.977	13.953	14.004	VV	1288	32493	0.39%	0.099%
223	14.016	14.004	14.042	VV	1235	23493	0.28%	0.072%
224	14.066	14.042	14.089	VV	1646	31359	0.37%	0.096%
225	14.119	14.089	14.134	VV	2316	35645	0.43%	0.109%
226	14.140	14.134	14.164	VV	1181	15960	0.19%	0.049%
227	14.179	14.164	14.201	VV	661	10913	0.13%	0.033%
228	14.210	14.201	14.266	VV	422	9174	0.11%	0.028%
229	14.274	14.266	14.284	VV	152	1324	0.02%	0.004%
230	14.336	14.305	14.367	PV	503	10517	0.13%	0.032%
231	14.372	14.367	14.379	VV	193	1191	0.01%	0.004%
232	14.407	14.391	14.434	VV	206	2273	0.03%	0.007%
233	14.450	14.434	14.467	PV	309	3619	0.04%	0.011%
234	14.485	14.467	14.497	VV	362	3670	0.04%	0.011%
235	14.558	14.497	14.577	VV	1556	37631	0.45%	0.115%
236	14.599	14.577	14.642	VV	1030	23603	0.28%	0.072%
237	14.647	14.642	14.655	VV	294	1858	0.02%	0.006%
238	14.681	14.655	14.720	VV	1104	22302	0.27%	0.068%
239	14.736	14.720	14.755	VV	1039	13796	0.16%	0.042%
240	14.783	14.755	14.796	VV	984	16434	0.20%	0.050%
241	14.809	14.796	14.825	VV	726	10817	0.13%	0.033%
242	14.846	14.825	14.867	VV	1079	17661	0.21%	0.054%

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243	14.900	14.867	14.925	VV	800	16965	0.20%	0.052%
244	14.941	14.925	14.950	VV	526	6454	0.08%	0.020%
245	14.968	14.950	14.985	VV	720	12125	0.14%	0.037%
246	15.001	14.985	15.015	VV	728	11184	0.13%	0.034%
247	15.033	15.015	15.053	VV	680	11412	0.14%	0.035%
248	15.067	15.053	15.074	VV	308	3430	0.04%	0.010%
249	15.110	15.074	15.135	VV	458	12876	0.15%	0.039%
250	15.155	15.135	15.169	VV	1540	19935	0.24%	0.061%
251	15.194	15.169	15.207	VV	2502	38845	0.46%	0.119%
252	15.221	15.207	15.257	VV	2391	41166	0.49%	0.126%
253	15.263	15.257	15.299	VV	649	8810	0.11%	0.027%
254	15.319	15.299	15.325	VV	505	5524	0.07%	0.017%
255	15.332	15.325	15.344	VV	584	4196	0.05%	0.013%
256	15.364	15.344	15.370	VV	421	4839	0.06%	0.015%
257	15.388	15.370	15.424	VV	914	15767	0.19%	0.048%
258	15.466	15.437	15.503	VV	713	14200	0.17%	0.043%
259	15.533	15.503	15.550	VV	251	4343	0.05%	0.013%
260	15.609	15.550	15.690	PV	11548	295821	3.53%	0.903%
261	15.744	15.690	15.748	VV	1556	33838	0.40%	0.103%
262	15.757	15.748	15.785	VV	1597	21618	0.26%	0.066%
263	15.795	15.785	15.808	VV	486	5593	0.07%	0.017%
264	15.829	15.808	15.847	VV	1737	23079	0.28%	0.070%
265	15.866	15.847	15.900	VV	1117	19912	0.24%	0.061%
266	15.949	15.900	15.965	VV	802	19211	0.23%	0.059%
267	15.993	15.965	16.020	VV	1029	25168	0.30%	0.077%
268	16.057	16.020	16.081	VV	890	24429	0.29%	0.075%
269	16.136	16.081	16.147	VV	1057	33706	0.40%	0.103%
270	16.151	16.147	16.173	VV	871	10412	0.12%	0.032%
271	16.201	16.173	16.224	VV	1078	20891	0.25%	0.064%
272	16.244	16.224	16.277	VV	2487	40596	0.48%	0.124%
273	16.295	16.277	16.318	VV	769	13646	0.16%	0.042%
274	16.332	16.318	16.350	VV	318	3793	0.05%	0.012%
275	16.382	16.350	16.394	PV	248	2599	0.03%	0.008%
276	16.425	16.394	16.431	VV	610	7578	0.09%	0.023%
277	16.443	16.431	16.451	VV	585	6039	0.07%	0.018%
278	16.461	16.451	16.480	VV	506	6331	0.08%	0.019%
279	16.532	16.480	16.561	VV	663	15238	0.18%	0.046%
280	16.585	16.561	16.592	PV	596	7171	0.09%	0.022%
281	16.600	16.592	16.606	VV	488	3434	0.04%	0.010%
282	16.638	16.606	16.663	VV	1891	36908	0.44%	0.113%
283	16.715	16.663	16.757	VV	2484	78497	0.94%	0.240%
284	16.781	16.757	16.785	VV	814	11134	0.13%	0.034%
285	16.806	16.785	16.823	VV	1872	30101	0.36%	0.092%

286	16.829	16.823	16.833	VV	1099	5917	0.07%	0.018%
287	16.855	16.833	16.876	VV	2754	44755	0.53%	0.137%
288	16.888	16.876	16.895	VV	903	10305	0.12%	0.031%
289	16.901	16.895	16.922	VV	1059	10954	0.13%	0.033%
290	16.948	16.922	16.960	VV	888	16985	0.20%	0.052%
291	16.962	16.960	16.967	VV	694	2452	0.03%	0.007%
292	16.983	16.967	16.987	VV	1000	7807	0.09%	0.024%
293	16.991	16.987	16.998	VV	803	4516	0.05%	0.014%
294	17.033	16.998	17.060	VV	1546	32995	0.39%	0.101%
295	17.091	17.060	17.110	VV	1198	18696	0.22%	0.057%
296	17.126	17.110	17.131	PV	290	2412	0.03%	0.007%
297	17.162	17.131	17.168	VV	952	10256	0.12%	0.031%
298	17.194	17.168	17.222	VV	3231	53622	0.64%	0.164%
299	17.241	17.222	17.279	VV	2214	36984	0.44%	0.113%
300	17.307	17.279	17.313	VV	753	9252	0.11%	0.028%
301	17.328	17.313	17.333	VV	855	8563	0.10%	0.026%
302	17.344	17.333	17.361	VV	856	9685	0.12%	0.030%
303	17.441	17.361	17.449	VV	1800	55763	0.67%	0.170%
304	17.460	17.449	17.472	VV	1744	21694	0.26%	0.066%
305	17.510	17.472	17.521	VV	1602	43231	0.52%	0.132%
306	17.542	17.521	17.559	VV	1536	29690	0.35%	0.091%
307	17.594	17.559	17.604	VV	2308	43719	0.52%	0.133%
308	17.620	17.604	17.628	VV	2209	28010	0.33%	0.085%
309	17.641	17.628	17.668	VV	2880	44257	0.53%	0.135%
310	17.691	17.668	17.696	VV	973	11774	0.14%	0.036%
311	17.703	17.696	17.717	VV	798	7342	0.09%	0.022%
312	17.736	17.717	17.745	VV	1082	13172	0.16%	0.040%
313	17.749	17.745	17.757	VV	880	5822	0.07%	0.018%
314	17.763	17.757	17.782	VV	946	11649	0.14%	0.036%
315	17.791	17.782	17.807	VV	1077	11511	0.14%	0.035%
316	17.820	17.807	17.836	VV	911	10184	0.12%	0.031%
317	17.863	17.836	17.897	PV	784	15832	0.19%	0.048%
318	17.917	17.897	17.922	VV	565	3304	0.04%	0.010%
319	17.936	17.922	17.948	VV	902	9993	0.12%	0.030%
320	17.957	17.948	17.962	VV	505	3565	0.04%	0.011%
321	18.053	17.962	18.059	VV	2727	79342	0.95%	0.242%
322	18.079	18.059	18.104	VV	4824	87510	1.04%	0.267%
323	18.123	18.104	18.133	VV	1245	21118	0.25%	0.064%
324	18.175	18.133	18.188	VV	2526	54935	0.66%	0.168%
325	18.195	18.188	18.207	VV	1272	13502	0.16%	0.041%
326	18.213	18.207	18.221	VV	1174	7780	0.09%	0.024%
327	18.228	18.221	18.235	VV	1208	8813	0.11%	0.027%
328	18.263	18.235	18.281	VV	2088	34608	0.41%	0.106%
329	18.315	18.281	18.335	VV	1689	36567	0.44%	0.112%

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330	18.367	18.335	18.386	VV	1368	27516	0.33%	0.084%
331	18.409	18.386	18.414	PV	1477	14857	0.18%	0.045%
332	18.420	18.414	18.426	VV	1158	7880	0.09%	0.024%
333	18.458	18.426	18.486	VV	6581	161715	1.93%	0.493%
334	18.502	18.486	18.538	VV	5768	115254	1.37%	0.352%
335	18.558	18.538	18.569	VV	1810	28026	0.33%	0.086%
336	18.598	18.569	18.620	VV	2696	59734	0.71%	0.182%
337	18.635	18.620	18.653	VV	2494	39588	0.47%	0.121%
338	18.661	18.653	18.675	VV	1893	21143	0.25%	0.065%
339	18.686	18.675	18.697	VV	1410	15172	0.18%	0.046%
340	18.713	18.697	18.744	VV	2844	39447	0.47%	0.120%
341	18.758	18.744	18.769	PV	681	4795	0.06%	0.015%
342	18.782	18.769	18.789	VV	321	1986	0.02%	0.006%

Sum of corrected areas: 32772572

Aromatic EPH 110724.M Sat Nov 09 05:40:18 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-2			SDG No.:	P4721
Lab Sample ID:	P4721-09			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.5
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
11/08/24 08:47	11/08/24 21:39	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.41		1	0.44	1.17	mg/kg	FE051131.D
Aliphatic C12-C16	Aliphatic C12-C16	2.33		1	0.28	0.78	mg/kg	FE051131.D
Aliphatic C16-C21	Aliphatic C16-C21	1.48		1	0.35	1.17	mg/kg	FE051131.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	1	0.93	1.56	mg/kg	FE051131.D
Aliphatic C28-C40	Aliphatic C28-C40	12.1		1	2.10	2.34	mg/kg	FE051131.D
Aromatic C10-C12	Aromatic C10-C12	0.65	J	1	0.35	0.78	mg/kg	FF014979.D
Aromatic C12-C16	Aromatic C12-C16	1.23		1	0.40	1.17	mg/kg	FF014979.D
Aromatic C16-C21	Aromatic C16-C21	3.88		1	1.12	1.95	mg/kg	FF014979.D
Aromatic C21-C36	Aromatic C21-C36	2.34	U	1	2.34	3.11	mg/kg	FF014979.D
Total AliphaticEPH	Total AliphaticEPH	17.3			4.11	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.76	J		4.21	7.01	mg/kg	
Total EPH	Total EPH	23.1			8.31	14.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-09		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
FE051131.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.41		0.44	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.33		0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	1.48		0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	0.93	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.1		2.10	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-09	Acq On:	08 Nov 2024 21:39
Client Sample ID:	EX-9-TPH-2	Operator:	YP\AJ
Data file:	FE051131.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	3.140	6.758	2533407	18.107	300	ug/ml
Aliphatic C12-C16	6.759	10.191	4201651	29.876	200	ug/ml
Aliphatic C16-C21	10.192	13.550	2626518	19.065	300	ug/ml
Aliphatic C21-C28	13.551	17.206	1308801	9.771	400	ug/ml
Aliphatic C28-C40	17.207	22.053	20051290	155.74	600	ug/ml
Aliphatic EPH	3.140	22.053	30721667	232.559		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4332840	38.16		ug/ml
Aliphatic C9-C28	3.140	17.206	10670377	76.819	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051131.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 21:39
Operator : YP\AJ
Sample : P4721-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-2

Integration File: sample.E
Quant Time: Nov 09 00:44:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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...	13.285	4332840	38.164 ug/ml
Spiked Amount 50.000		Recovery = 76.33%	
Target Compounds			

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

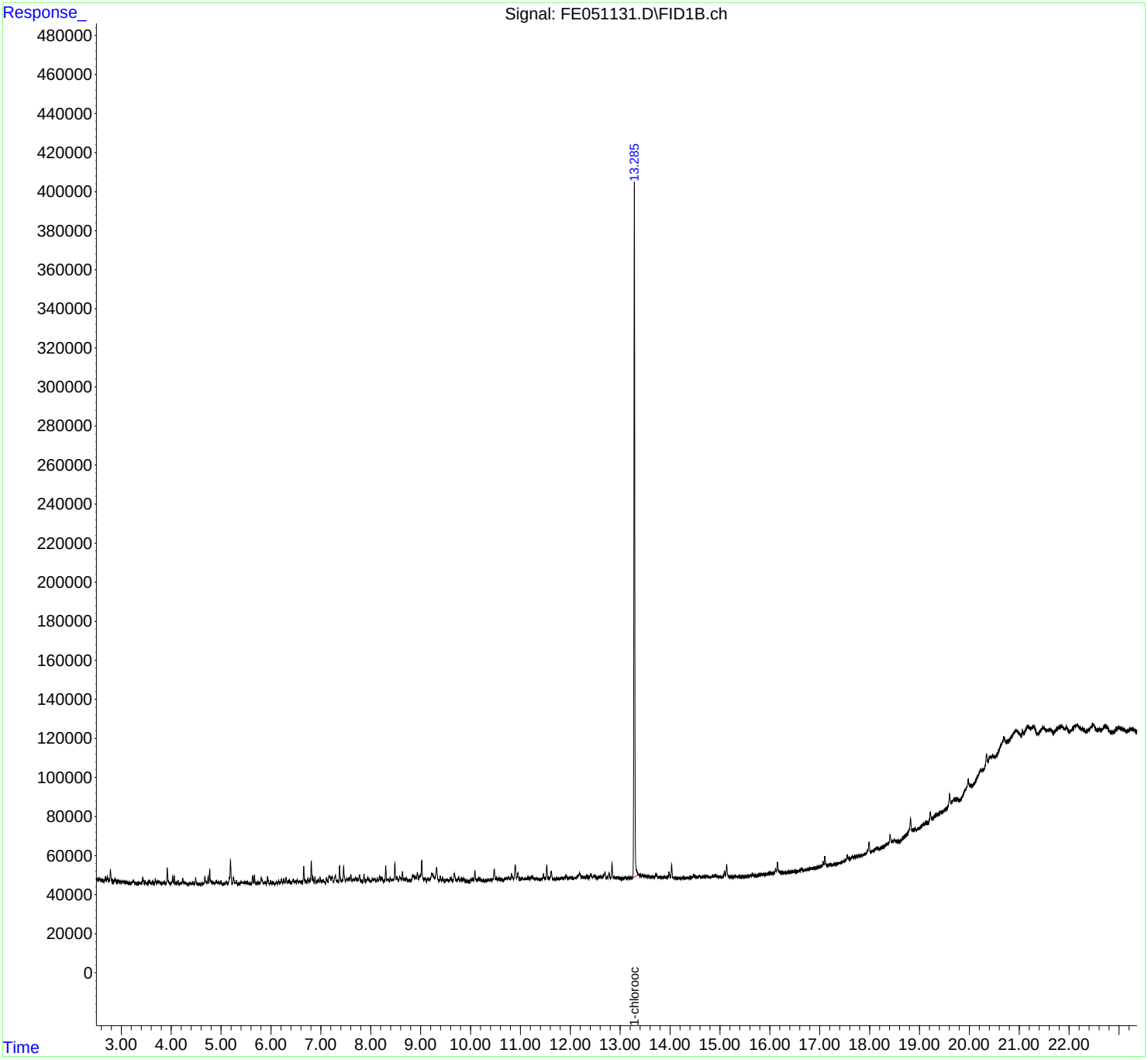
Quantitation Report (QT Reviewed)

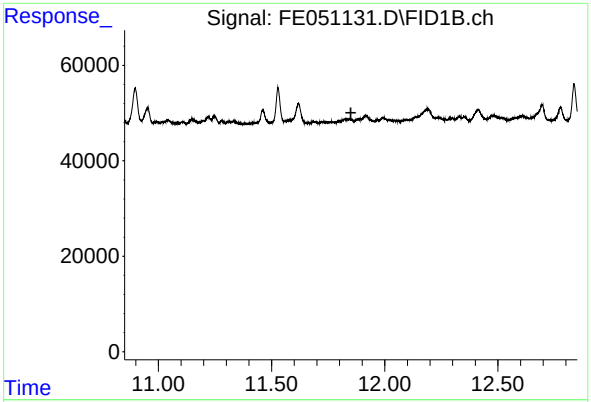
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051131.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 21:39
Operator : YP\AJ
Sample : P4721-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-2

Integration File: sample.E
Quant Time: Nov 09 00:44:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

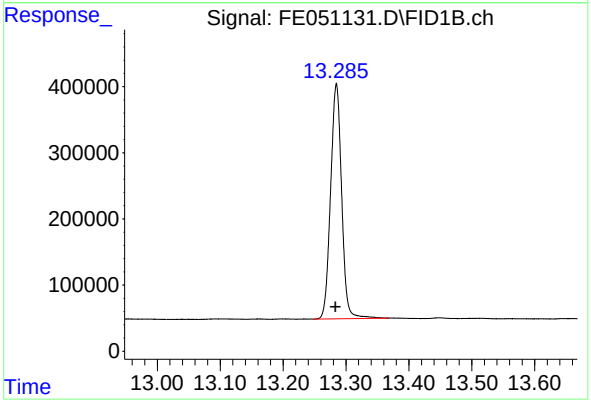




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: 0.002 min
Response: 4332840
Conc: 38.16 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051131.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 21:39
Sample : P4721-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.205	3.278	PH	1202	21971	0.49%	0.061%
2	3.290	3.278	3.328	PV	80	1225	0.03%	0.003%
3	3.380	3.328	3.396	PV	491	8337	0.18%	0.023%
4	3.432	3.396	3.464	VV	3289	48958	1.09%	0.136%
5	3.479	3.464	3.504	VV	817	11034	0.24%	0.031%
6	3.514	3.504	3.531	VV	302	3182	0.07%	0.009%
7	3.550	3.531	3.560	VV	1168	12265	0.27%	0.034%
8	3.570	3.560	3.593	VV	1126	13310	0.30%	0.037%
9	3.626	3.593	3.661	VV	1427	22756	0.50%	0.063%
10	3.683	3.661	3.710	VV	2249	29713	0.66%	0.083%
11	3.729	3.710	3.751	VV	1311	23172	0.51%	0.064%
12	3.763	3.751	3.800	VV	1007	16591	0.37%	0.046%
13	3.865	3.800	3.895	VV	905	25157	0.56%	0.070%
14	3.922	3.895	3.979	VV	8276	112887	2.50%	0.314%
15	4.029	3.979	4.045	VV	3942	52367	1.16%	0.145%
16	4.063	4.045	4.084	VV	4232	47497	1.05%	0.132%
17	4.097	4.084	4.117	VV	862	12579	0.28%	0.035%
18	4.139	4.117	4.161	VV	2054	25153	0.56%	0.070%
19	4.197	4.161	4.210	VV	725	13442	0.30%	0.037%
20	4.231	4.210	4.249	VV	3381	40566	0.90%	0.113%
21	4.259	4.249	4.275	VV	1238	14837	0.33%	0.041%
22	4.291	4.275	4.315	VV	793	14169	0.31%	0.039%
23	4.323	4.315	4.343	VV	291	2244	0.05%	0.006%
24	4.380	4.343	4.408	PV	960	16300	0.36%	0.045%
25	4.428	4.408	4.452	VV	915	14821	0.33%	0.041%
26	4.490	4.452	4.538	VV	3650	52157	1.16%	0.145%
27	4.558	4.538	4.593	VV	552	7743	0.17%	0.022%
28	4.615	4.593	4.640	PV	867	10279	0.23%	0.029%
29	4.676	4.640	4.720	VV	3951	71576	1.59%	0.199%
30	4.739	4.720	4.754	VV	3980	43574	0.97%	0.121%
31	4.772	4.754	4.814	VV	8053	107384	2.38%	0.298%
32	4.831	4.814	4.845	VV	1374	21605	0.48%	0.060%
33	4.846	4.845	4.867	VV	1274	12091	0.27%	0.034%
34	4.905	4.867	4.937	VV	2043	47831	1.06%	0.133%
35	4.950	4.937	4.973	VV	1542	22296	0.49%	0.062%
36	4.996	4.973	5.034	VV	1961	32781	0.73%	0.091%

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37	5.067	5.034	5.082	VV	574	12001	0.27%	0.033%
38	5.101	5.082	5.138	VV	1888	32203	0.71%	0.089%
39	5.189	5.138	5.221	VV	12555	207431	4.60%	0.576%
40	5.248	5.221	5.279	VV	3691	65475	1.45%	0.182%
41	5.307	5.279	5.339	VV	2172	36170	0.80%	0.100%
42	5.371	5.339	5.381	PV	776	12858	0.29%	0.036%
43	5.401	5.381	5.419	VV	1818	28240	0.63%	0.078%
44	5.427	5.419	5.453	VV	1094	19911	0.44%	0.055%
45	5.465	5.453	5.478	VV	1094	14293	0.32%	0.040%
46	5.497	5.478	5.515	VV	1333	23320	0.52%	0.065%
47	5.527	5.515	5.549	VV	1089	18009	0.40%	0.050%
48	5.563	5.549	5.575	VV	767	10388	0.23%	0.029%
49	5.588	5.575	5.607	VV	978	11607	0.26%	0.032%
50	5.632	5.607	5.652	VV	3941	56048	1.24%	0.156%
51	5.669	5.652	5.689	VV	4978	55465	1.23%	0.154%
52	5.700	5.689	5.711	VV	783	8804	0.20%	0.024%
53	5.729	5.711	5.764	VV	1308	27515	0.61%	0.076%
54	5.805	5.764	5.846	VV	3438	84151	1.87%	0.234%
55	5.856	5.846	5.865	VV	759	8302	0.18%	0.023%
56	5.888	5.865	5.905	VV	1577	22293	0.49%	0.062%
57	5.931	5.905	5.970	VV	4121	68001	1.51%	0.189%
58	5.993	5.970	6.021	VV	1883	28974	0.64%	0.080%
59	6.056	6.021	6.080	VV	1117	24027	0.53%	0.067%
60	6.104	6.080	6.123	PV	1528	17833	0.40%	0.050%
61	6.155	6.123	6.174	VV	2087	30947	0.69%	0.086%
62	6.210	6.174	6.234	VV	2550	52905	1.17%	0.147%
63	6.256	6.234	6.277	VV	2859	40614	0.90%	0.113%
64	6.301	6.277	6.328	VV	3488	55423	1.23%	0.154%
65	6.341	6.328	6.350	VV	1368	15626	0.35%	0.043%
66	6.366	6.350	6.403	VV	2168	42321	0.94%	0.118%
67	6.444	6.403	6.466	VV	2311	51619	1.14%	0.143%
68	6.481	6.466	6.508	VV	1555	31241	0.69%	0.087%
69	6.528	6.508	6.552	VV	2267	40429	0.90%	0.112%
70	6.574	6.552	6.633	VV	1370	57513	1.27%	0.160%
71	6.657	6.633	6.721	VV	9024	143951	3.19%	0.400%
72	6.741	6.721	6.763	VV	2921	43649	0.97%	0.121%
73	6.779	6.763	6.790	VV	2780	30832	0.68%	0.086%
74	6.809	6.790	6.831	VV	11959	143177	3.17%	0.398%
75	6.842	6.831	6.865	VV	3583	47040	1.04%	0.131%
76	6.883	6.865	6.905	VV	3587	46862	1.04%	0.130%
77	6.914	6.905	6.925	VV	1061	11440	0.25%	0.032%
78	6.942	6.925	6.960	VV	1904	29145	0.65%	0.081%
79	6.982	6.960	7.009	VV	3265	57836	1.28%	0.161%
80	7.020	7.009	7.033	VV	1491	16921	0.38%	0.047%
81	7.051	7.033	7.090	VV	1788	38875	0.86%	0.108%
82	7.111	7.090	7.141	VV	3082	53427	1.18%	0.148%
83	7.166	7.141	7.179	VV	4317	67976	1.51%	0.189%
84	7.186	7.179	7.202	VV	3691	41457	0.92%	0.115%
85	7.228	7.202	7.257	VV	4072	81746	1.81%	0.227%
86	7.291	7.257	7.318	VV	4458	92051	2.04%	0.256%
87	7.333	7.318	7.351	VV	1813	24414	0.54%	0.068%
88	7.376	7.351	7.414	VV	8974	130549	2.89%	0.363%
89	7.457	7.414	7.493	VV	8901	156782	3.48%	0.435%

90	7.519	7.493	7.551	VV	2385	65620	1.45%	0.182%
91	7.566	7.551	7.580	VV	3072	41867	0.93%	0.116%
92	7.603	7.580	7.625	VV	4538	73850	1.64%	0.205%
93	7.662	7.625	7.678	VV	2280	57686	1.28%	0.160%
94	7.694	7.678	7.715	VV	3144	49903	1.11%	0.139%
95	7.729	7.715	7.748	VV	2073	37121	0.82%	0.103%
96	7.775	7.748	7.801	VV	4208	76371	1.69%	0.212%
97	7.816	7.801	7.839	VV	1446	23501	0.52%	0.065%
98	7.865	7.839	7.901	VV	4653	73644	1.63%	0.205%
99	7.942	7.901	7.959	VV	3014	62450	1.38%	0.173%
100	7.971	7.959	8.004	VV	1927	35000	0.78%	0.097%
101	8.033	8.004	8.048	VV	2473	38079	0.84%	0.106%
102	8.063	8.048	8.075	VV	2412	31040	0.69%	0.086%
103	8.085	8.075	8.105	VV	2249	28518	0.63%	0.079%
104	8.131	8.105	8.151	VV	2429	40900	0.91%	0.114%
105	8.176	8.151	8.195	VV	3543	56021	1.24%	0.156%
106	8.211	8.195	8.221	VV	2455	30998	0.69%	0.086%
107	8.231	8.221	8.253	VV	2739	34442	0.76%	0.096%
108	8.270	8.253	8.280	VV	1596	20699	0.46%	0.057%
109	8.301	8.280	8.327	VV	8756	109444	2.43%	0.304%
110	8.348	8.327	8.372	VV	1975	40820	0.90%	0.113%
111	8.391	8.372	8.411	VV	2428	37960	0.84%	0.105%
112	8.428	8.411	8.455	VV	1657	39965	0.89%	0.111%
113	8.483	8.455	8.513	VV	9848	150060	3.33%	0.417%
114	8.529	8.513	8.555	VV	2773	48477	1.07%	0.135%
115	8.578	8.555	8.588	VV	2783	38293	0.85%	0.106%
116	8.597	8.588	8.613	VV	2586	33877	0.75%	0.094%
117	8.635	8.613	8.657	VV	5576	82429	1.83%	0.229%
118	8.677	8.657	8.698	VV	2191	40157	0.89%	0.112%
119	8.717	8.698	8.749	VV	2213	44878	0.99%	0.125%
120	8.773	8.749	8.797	VV	1256	28095	0.62%	0.078%
121	8.839	8.797	8.851	VV	3821	65785	1.46%	0.183%
122	8.865	8.851	8.886	VV	3155	60367	1.34%	0.168%
123	8.903	8.886	8.917	VV	2860	46027	1.02%	0.128%
124	8.935	8.917	8.958	VV	5202	85402	1.89%	0.237%
125	8.975	8.958	8.986	VV	3256	43815	0.97%	0.122%
126	9.022	8.986	9.068	VV	11119	217982	4.83%	0.605%
127	9.089	9.068	9.119	VV	2156	47571	1.05%	0.132%
128	9.139	9.119	9.156	VV	1844	29756	0.66%	0.083%
129	9.169	9.156	9.184	VV	1745	24477	0.54%	0.068%
130	9.221	9.184	9.231	VV	4762	82679	1.83%	0.230%
131	9.241	9.231	9.283	VV	4491	96567	2.14%	0.268%
132	9.320	9.283	9.375	VV	7581	174138	3.86%	0.484%
133	9.394	9.375	9.418	VV	3239	46314	1.03%	0.129%
134	9.443	9.418	9.478	VV	1816	35251	0.78%	0.098%
135	9.528	9.478	9.568	VV	1154	45666	1.01%	0.127%
136	9.609	9.568	9.647	VV	2112	56218	1.25%	0.156%
137	9.677	9.647	9.718	VV	4147	88525	1.96%	0.246%
138	9.764	9.718	9.791	VV	1998	52960	1.17%	0.147%
139	9.815	9.791	9.831	VV	1748	27357	0.61%	0.076%
140	9.844	9.831	9.855	VV	1397	15998	0.35%	0.044%
141	9.867	9.855	9.911	VV	1428	24480	0.54%	0.068%

142	9.927	9.911	9.954	VV	469	8212	0.18%	0.023%
143	9.963	9.954	9.978	VV	195	2058	0.05%	0.006%
144	10.009	9.978	10.023	VV	1312	18027	0.40%	0.050%
145	10.044	10.023	10.067	VV	1470	27946	0.62%	0.078%
146	10.089	10.067	10.128	VV	5629	78110	1.73%	0.217%
147	10.164	10.128	10.176	VV	1430	30064	0.67%	0.083%
148	10.187	10.176	10.225	VV	1344	27204	0.60%	0.076%
149	10.234	10.225	10.246	VV	521	5779	0.13%	0.016%
150	10.259	10.246	10.281	VV	703	9207	0.20%	0.026%
151	10.365	10.281	10.381	VV	1038	30025	0.67%	0.083%
152	10.407	10.381	10.421	VV	1185	20725	0.46%	0.058%
153	10.476	10.421	10.502	VV	6395	117908	2.61%	0.327%
154	10.518	10.502	10.538	VV	1604	28343	0.63%	0.079%
155	10.566	10.538	10.608	VV	1388	43580	0.97%	0.121%
156	10.621	10.608	10.658	VV	1211	22762	0.50%	0.063%
157	10.688	10.658	10.700	VV	1421	24531	0.54%	0.068%
158	10.721	10.700	10.739	VV	1552	30119	0.67%	0.084%
159	10.760	10.739	10.787	VV	2217	45115	1.00%	0.125%
160	10.827	10.787	10.862	VV	3347	83715	1.86%	0.233%
161	10.897	10.862	10.925	VV	8111	146193	3.24%	0.406%
162	10.952	10.925	10.975	VV	4062	73480	1.63%	0.204%
163	10.991	10.975	11.007	VV	1076	19892	0.44%	0.055%
164	11.043	11.007	11.067	VV	1465	39602	0.88%	0.110%
165	11.078	11.067	11.095	VV	892	13882	0.31%	0.039%
166	11.106	11.095	11.128	VV	1054	17610	0.39%	0.049%
167	11.149	11.128	11.178	VV	1578	36718	0.81%	0.102%
168	11.220	11.178	11.234	VV	2124	48745	1.08%	0.135%
169	11.248	11.234	11.268	VV	2250	33963	0.75%	0.094%
170	11.280	11.268	11.296	VV	1252	17442	0.39%	0.048%
171	11.314	11.296	11.370	VV	1095	37836	0.84%	0.105%
172	11.461	11.370	11.491	VV	3461	83387	1.85%	0.232%
173	11.529	11.491	11.561	VV	8063	120855	2.68%	0.336%
174	11.619	11.561	11.668	VV	4755	115357	2.56%	0.320%
175	11.686	11.668	11.711	VV	918	18780	0.42%	0.052%
176	11.731	11.711	11.761	VV	855	22452	0.50%	0.062%
177	11.765	11.761	11.775	VV	838	6010	0.13%	0.017%
178	11.823	11.775	11.866	VV	1310	58700	1.30%	0.163%
179	11.917	11.866	11.953	VV	2106	71737	1.59%	0.199%
180	11.993	11.953	12.064	VV	1509	73232	1.62%	0.203%
181	12.100	12.064	12.115	VV	1170	30741	0.68%	0.085%
182	12.189	12.115	12.224	VV	3313	141159	3.13%	0.392%
183	12.236	12.224	12.274	VV	1545	38727	0.86%	0.108%
184	12.298	12.274	12.314	VV	1378	29958	0.66%	0.083%
185	12.329	12.314	12.341	VV	1723	24018	0.53%	0.067%
186	12.350	12.341	12.374	VV	1591	26491	0.59%	0.074%
187	12.413	12.374	12.451	VV	3155	88179	1.95%	0.245%
188	12.477	12.451	12.508	VV	1890	53549	1.19%	0.149%
189	12.520	12.508	12.539	VV	1410	23316	0.52%	0.065%
190	12.609	12.539	12.638	VV	1690	78308	1.74%	0.217%
191	12.695	12.638	12.740	VV	4101	115235	2.55%	0.320%
192	12.777	12.740	12.805	VV	3495	66847	1.48%	0.186%
193	12.837	12.805	12.918	VV	8297	146402	3.25%	0.407%
194	12.941	12.918	13.021	VV	991	45591	1.01%	0.127%

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195	13.049	13.021	13.068	VV	415	10025	0.22%	0.028%
196	13.098	13.068	13.141	VV	992	32845	0.73%	0.091%
197	13.162	13.141	13.178	VV	895	15111	0.33%	0.042%
198	13.199	13.178	13.221	VV	934	18335	0.41%	0.051%
199	13.285	13.221	13.425	VV	356059	4510911	100.00%	12.528%
200	13.448	13.425	13.481	VV	2540	63322	1.40%	0.176%
201	13.513	13.481	13.550	VV	1747	60677	1.35%	0.169%
202	13.561	13.550	13.596	VV	1206	29704	0.66%	0.082%
203	13.610	13.596	13.628	VV	1001	17574	0.39%	0.049%
204	13.660	13.628	13.685	VV	1327	36951	0.82%	0.103%
205	13.719	13.685	13.765	VV	2020	63520	1.41%	0.176%
206	13.783	13.765	13.811	VV	763	17879	0.40%	0.050%
207	13.824	13.811	13.854	VV	748	16567	0.37%	0.046%
208	13.883	13.854	13.921	VV	949	30104	0.67%	0.084%
209	13.944	13.921	13.954	VV	920	14944	0.33%	0.042%
210	13.981	13.954	14.006	VV	3423	53656	1.19%	0.149%
211	14.032	14.006	14.147	VV	7256	112912	2.50%	0.314%
212	14.166	14.147	14.217	VV	203	4025	0.09%	0.011%
213	14.252	14.217	14.308	PV	480	14335	0.32%	0.040%
214	14.364	14.308	14.381	VV	329	9853	0.22%	0.027%
215	14.395	14.381	14.405	VV	313	3140	0.07%	0.009%
216	14.419	14.405	14.435	VV	281	4105	0.09%	0.011%
217	14.474	14.435	14.505	VV	1793	36499	0.81%	0.101%
218	14.515	14.505	14.538	VV	654	12100	0.27%	0.034%
219	14.553	14.538	14.572	VV	646	11012	0.24%	0.031%
220	14.594	14.572	14.629	VV	1242	21752	0.48%	0.060%
221	14.731	14.629	14.774	VV	757	45604	1.01%	0.127%
222	14.785	14.774	14.811	VV	491	9839	0.22%	0.027%
223	14.846	14.811	14.871	VV	755	19431	0.43%	0.054%
224	14.896	14.871	14.925	VV	1040	27309	0.61%	0.076%
225	14.941	14.925	14.965	VV	975	16528	0.37%	0.046%
226	14.991	14.965	15.032	VV	487	13818	0.31%	0.038%
227	15.090	15.032	15.109	VV	3243	51573	1.14%	0.143%
228	15.134	15.109	15.232	VV	6651	110394	2.45%	0.307%
229	15.245	15.232	15.280	VV	156	2618	0.06%	0.007%
230	15.298	15.280	15.335	PV	362	7418	0.16%	0.021%
231	15.380	15.335	15.391	VV	225	5213	0.12%	0.014%
232	15.403	15.391	15.420	VV	153	1453	0.03%	0.004%
233	15.441	15.420	15.481	PV	259	3688	0.08%	0.010%
234	15.565	15.481	15.585	PV	223	6806	0.15%	0.019%
235	15.619	15.585	15.631	VV	353	6233	0.14%	0.017%
236	15.654	15.631	15.715	VV	1163	21700	0.48%	0.060%
237	15.888	15.715	15.904	PV	281	22413	0.50%	0.062%
238	15.977	15.904	15.990	VV	775	21399	0.47%	0.059%
239	16.007	15.990	16.067	VV	711	22936	0.51%	0.064%
240	16.116	16.067	16.131	VV	2407	38528	0.85%	0.107%
241	16.154	16.131	16.255	VV	5832	105843	2.35%	0.294%
242	16.266	16.255	16.273	VV	174	1838	0.04%	0.005%
243	16.288	16.273	16.304	VV	210	2709	0.06%	0.008%
244	16.357	16.304	16.390	PV	280	8092	0.18%	0.022%
245	16.514	16.390	16.528	VV	183	8372	0.19%	0.023%
246	16.543	16.528	16.553	VV	115	1259	0.03%	0.003%

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247	16.637	16.553	16.666	PV	1300	28677	0.64%	0.080%
248	16.679	16.666	16.707	VV	192	2453	0.05%	0.007%
249	16.799	16.707	16.813	PV	527	11804	0.26%	0.033%
250	16.838	16.813	16.877	VV	384	11919	0.26%	0.033%
251	16.893	16.877	16.901	VV	255	2433	0.05%	0.007%
252	17.070	16.901	17.081	VV	2046	59583	1.32%	0.165%
253	17.102	17.081	17.165	VV	5136	87167	1.93%	0.242%
254	17.203	17.165	17.232	VV	463	11119	0.25%	0.031%
255	17.553	17.232	17.578	PV	2581	31637	0.70%	0.088%
256	17.656	17.578	17.685	VV	887	42882	0.95%	0.119%
257	17.836	17.685	17.851	VV	351	32988	0.73%	0.092%
258	17.892	17.851	17.902	PV	206	3269	0.07%	0.009%
259	17.988	17.902	18.018	PV	5647	105979	2.35%	0.294%
260	18.134	18.018	18.194	VV	1174	53265	1.18%	0.148%
261	18.270	18.194	18.281	PV	591	11769	0.26%	0.033%
262	18.342	18.281	18.355	VV	1007	30964	0.69%	0.086%
263	18.411	18.355	18.443	VV	5274	116988	2.59%	0.325%
264	18.466	18.443	18.474	VV	1430	24577	0.54%	0.068%
265	18.496	18.474	18.520	VV	1872	37819	0.84%	0.105%
266	18.531	18.520	18.575	VV	848	15376	0.34%	0.043%
267	18.820	18.575	18.851	PV	8267	248857	5.52%	0.691%
268	18.862	18.851	18.893	VV	1924	41823	0.93%	0.116%
269	18.916	18.893	18.941	VV	1360	29688	0.66%	0.082%
270	19.140	18.941	19.173	VV	1429	140437	3.11%	0.390%
271	19.217	19.173	19.243	VV	5174	106416	2.36%	0.296%
272	19.329	19.243	19.341	VV	2400	118449	2.63%	0.329%
273	19.360	19.341	19.371	VV	2307	40385	0.90%	0.112%
274	19.389	19.371	19.398	VV	2329	34126	0.76%	0.095%
275	19.419	19.398	19.427	VV	2335	36130	0.80%	0.100%
276	19.604	19.427	19.633	VV	8994	408840	9.06%	1.135%
277	19.731	19.633	19.740	VV	4506	294162	6.52%	0.817%
278	19.751	19.740	19.791	VV	4289	114190	2.53%	0.317%
279	19.977	19.791	20.011	VV	11066	764721	16.95%	2.124%
280	20.018	20.011	20.045	VV	7146	138941	3.08%	0.386%
281	20.223	20.045	20.237	VV	11964	1014333	22.49%	2.817%
282	20.255	20.237	20.267	VV	11625	204458	4.53%	0.568%
283	20.343	20.267	20.370	VV	18323	847827	18.80%	2.355%
284	20.424	20.370	20.440	VV	16102	644119	14.28%	1.789%
285	20.467	20.440	20.499	VV	15897	541206	12.00%	1.503%
286	20.691	20.499	20.744	VV	21870	2575036	57.08%	7.152%
287	20.774	20.744	20.783	VV	18774	440676	9.77%	1.224%
288	20.946	20.783	21.036	VV	21545	3020288	66.96%	8.388%
289	21.064	21.036	21.089	VV	19703	583840	12.94%	1.622%
290	21.163	21.089	21.234	VV	20593	1657841	36.75%	4.604%
291	21.281	21.234	21.361	VV	18370	1290783	28.61%	3.585%
292	21.474	21.361	21.548	VV	15277	1549188	34.34%	4.303%
293	21.605	21.548	21.679	VV	12219	897992	19.91%	2.494%
294	21.807	21.679	21.820	VV	10304	825125	18.29%	2.292%
295	21.850	21.820	21.911	VV	10320	510423	11.32%	1.418%
296	21.946	21.911	22.018	VV	8070	423477	9.39%	1.176%
297	22.156	22.018	22.258	VV	5945	711564	15.77%	1.976%
298	22.273	22.258	22.334	VV	2326	61121	1.35%	0.170%

Sum of corrected areas: 36005258

Aliphatic EPH 110724.M Mon Nov 11 00:57:44 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-09		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
FF014979.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.65	J	0.35	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	1.23		0.40	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.88		1.12	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.34	U	2.34	3.11	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.9		40 - 140	124%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	60.5		40 - 140	121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-09	Acq On:	08 Nov 2024 19:24
Client Sample ID:	EX-9-TPH-2	Operator:	YP\AJ
Data file:	FF014979.D	Misc:	
Instrument:	FID_F	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	1284489	8.31	200	ug/ml
Aromatic C12-C16	6.366	8.961	2422728	15.777	300	ug/ml
Aromatic C16-C21	8.962	13.378	7076617	49.802	500	ug/ml
Aromatic C21-C36	13.379	18.826	2814884	20.392	800	ug/ml
Aromatic EPH	4.496	18.826	13598718	94.28		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	8243138	61.94		ug/ml
2-Flurobiphenyl (SURR)	8.871	8.871	5392547	60.46		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	5270630	35.78		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014979.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:24
Operator : YP\AJ
Sample : P4721-09
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-2

Integration File: autoint1.e
Quant Time: Nov 09 00:28:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.996	8243138	61.940 ug/ml
Spiked Amount 50.000		Recovery = 123.88%	
6) S 2-Flurobiphenyl (SURR)	8.871	5392547	60.463 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 120.93%	
11) S ortho-Terphenyl (SURR)	11.931	5270630	35.785 ug/ml
Spiked Amount 50.000		Recovery = 71.57%	
Target Compounds			

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

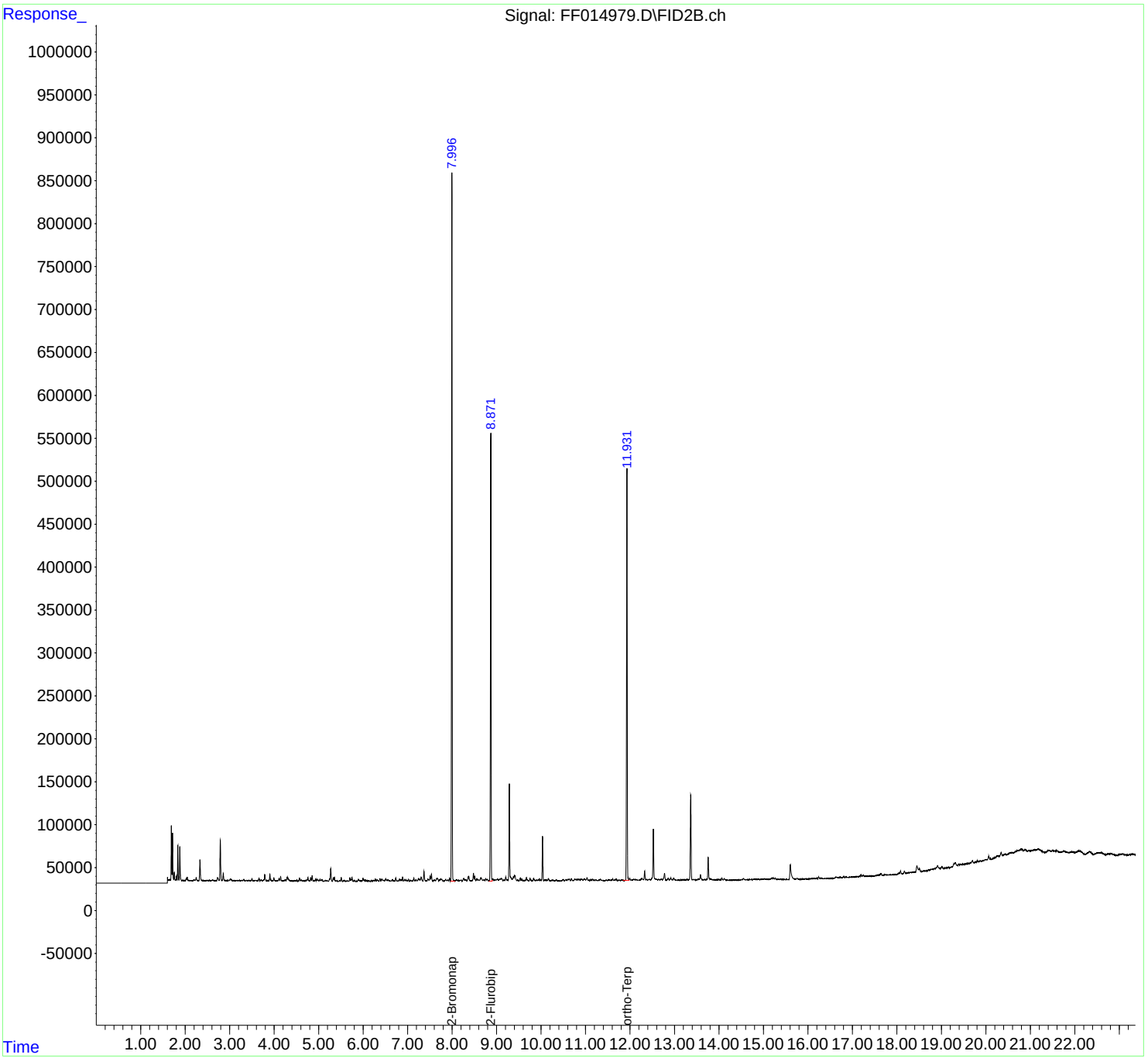
Quantitation Report (QT Reviewed)

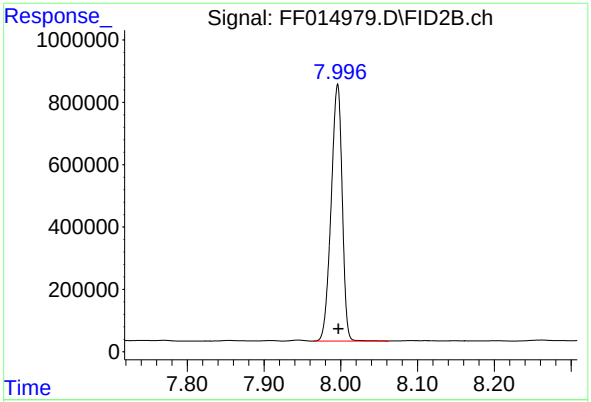
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014979.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:24
Operator : YP\AJ
Sample : P4721-09
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-2

Integration File: autoint1.e
Quant Time: Nov 09 00:28:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

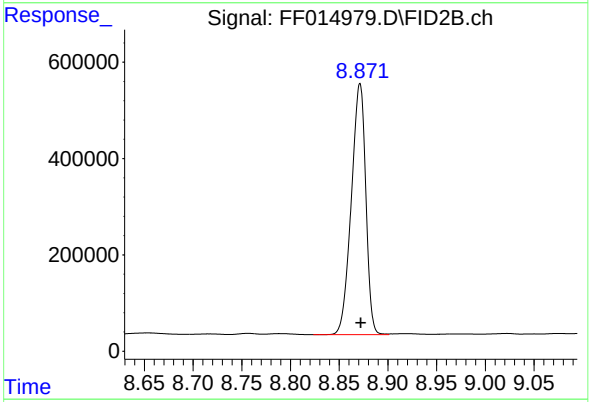




#4 2-Bromonaphthalene (SURR)

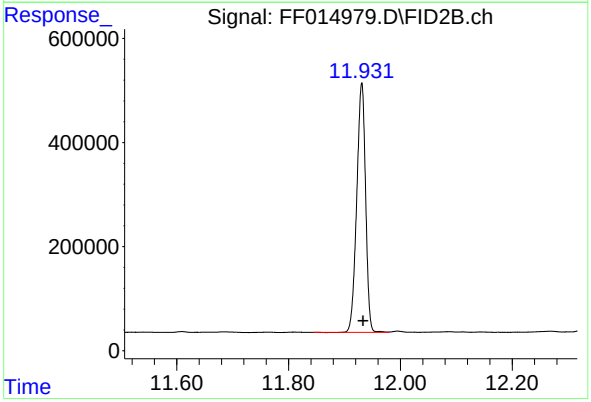
R.T.: 7.996 min
Delta R.T.: -0.001 min
Response: 8243138
Conc: 61.94 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-2



#6 2-Flurobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: -0.001 min
Response: 5392547
Conc: 60.46 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.003 min
Response: 5270630
Conc: 35.78 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014979.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:24
Sample : P4721-09
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.458	4.443	4.474	PV	363	4707	0.06%	0.014%
2	4.478	4.474	4.495	VV	319	3345	0.04%	0.010%
3	4.513	4.495	4.537	VV	850	9391	0.11%	0.029%
4	4.571	4.537	4.591	PV	3578	38369	0.46%	0.118%
5	4.609	4.591	4.630	VV	1616	16839	0.20%	0.052%
6	4.649	4.630	4.669	VV	488	5388	0.07%	0.017%
7	4.699	4.669	4.712	VV	786	9800	0.12%	0.030%
8	4.731	4.712	4.744	VV	1531	20144	0.24%	0.062%
9	4.760	4.744	4.781	VV	4210	47374	0.57%	0.145%
10	4.793	4.781	4.804	VV	486	5240	0.06%	0.016%
11	4.822	4.804	4.838	VV	4213	43300	0.52%	0.133%
12	4.855	4.838	4.902	VV	6581	72547	0.88%	0.223%
13	4.931	4.902	4.945	VV	2345	28829	0.35%	0.088%
14	4.958	4.945	4.972	VV	2065	23125	0.28%	0.071%
15	4.986	4.972	5.004	VV	1808	20473	0.25%	0.063%
16	5.032	5.004	5.049	VV	1916	27531	0.33%	0.085%
17	5.068	5.049	5.102	VV	1906	30873	0.37%	0.095%
18	5.111	5.102	5.131	VV	219	2482	0.03%	0.008%
19	5.151	5.131	5.167	VV	1224	12501	0.15%	0.038%
20	5.184	5.167	5.217	VV	931	14142	0.17%	0.043%
21	5.246	5.217	5.254	VV	2969	30602	0.37%	0.094%
22	5.272	5.254	5.305	VV	14944	182700	2.21%	0.561%
23	5.331	5.305	5.343	VV	3716	44200	0.54%	0.136%
24	5.356	5.343	5.375	VV	4864	48366	0.59%	0.148%
25	5.387	5.375	5.402	VV	658	7612	0.09%	0.023%

26	5.413	5.402	5.429	VV	440	4045	0.05%	0.012%
27	5.450	5.429	5.458	PV	262	2958	0.04%	0.009%
28	5.479	5.458	5.492	VV	1048	11506	0.14%	0.035%
29	5.509	5.492	5.540	VV	4688	49322	0.60%	0.151%
30	5.561	5.540	5.572	VV	1038	12573	0.15%	0.039%
31	5.584	5.572	5.616	VV	1080	13520	0.16%	0.042%
32	5.628	5.616	5.636	VV	409	3393	0.04%	0.010%
33	5.648	5.636	5.661	VV	535	5447	0.07%	0.017%
34	5.670	5.661	5.684	VV	469	4654	0.06%	0.014%
35	5.703	5.684	5.724	VV	4397	52650	0.64%	0.162%
36	5.750	5.724	5.771	VV	4893	65191	0.79%	0.200%
37	5.780	5.771	5.788	VV	452	3814	0.05%	0.012%
38	5.809	5.788	5.851	VV	1310	17415	0.21%	0.053%
39	5.897	5.851	5.919	VV	2543	41456	0.50%	0.127%
40	5.930	5.919	5.948	VV	1257	12846	0.16%	0.039%
41	5.966	5.948	5.978	VV	657	7324	0.09%	0.022%
42	5.997	5.978	6.012	VV	3922	45672	0.55%	0.140%
43	6.018	6.012	6.037	VV	1916	19273	0.23%	0.059%
44	6.053	6.037	6.077	VV	2251	26401	0.32%	0.081%
45	6.093	6.077	6.110	VV	1256	13819	0.17%	0.042%
46	6.141	6.110	6.162	VV	638	11598	0.14%	0.036%
47	6.185	6.162	6.204	PV	1532	18131	0.22%	0.056%
48	6.240	6.204	6.257	VV	1526	26902	0.33%	0.083%
49	6.275	6.257	6.296	VV	2879	35870	0.43%	0.110%
50	6.312	6.296	6.326	VV	1938	23417	0.28%	0.072%
51	6.334	6.326	6.355	VV	1170	13464	0.16%	0.041%
52	6.379	6.355	6.398	VV	3152	39542	0.48%	0.121%
53	6.417	6.398	6.439	VV	2599	42806	0.52%	0.131%
54	6.444	6.439	6.474	VV	1454	25243	0.31%	0.077%
55	6.478	6.474	6.488	VV	961	7229	0.09%	0.022%
56	6.505	6.488	6.533	VV	2921	47147	0.57%	0.145%
57	6.547	6.533	6.557	VV	1872	21261	0.26%	0.065%
58	6.569	6.557	6.602	VV	1511	24245	0.29%	0.074%
59	6.609	6.602	6.620	VV	421	3502	0.04%	0.011%
60	6.657	6.620	6.695	VV	1848	38614	0.47%	0.119%
61	6.733	6.695	6.766	VV	4091	56825	0.69%	0.174%
62	6.774	6.766	6.782	VV	431	3489	0.04%	0.011%
63	6.820	6.782	6.836	VV	2900	40451	0.49%	0.124%
64	6.854	6.836	6.869	VV	2480	32386	0.39%	0.099%
65	6.887	6.869	6.908	VV	5061	57258	0.69%	0.176%
66	6.928	6.908	6.948	VV	1810	29093	0.35%	0.089%
67	6.962	6.948	6.979	VV	2411	26272	0.32%	0.081%
68	6.988	6.979	7.001	VV	750	8014	0.10%	0.025%
69	7.017	7.001	7.036	VV	2778	28450	0.34%	0.087%

70	7.057	7.036	7.089	VV	1067	19810	0.24%	0.061%
71	7.094	7.089	7.102	VV	577	3729	0.05%	0.011%
72	7.140	7.102	7.166	VV	4183	57071	0.69%	0.175%
73	7.187	7.166	7.204	VV	2245	27945	0.34%	0.086%
74	7.243	7.204	7.255	VV	3323	52333	0.63%	0.161%
75	7.264	7.255	7.281	VV	2843	35765	0.43%	0.110%
76	7.305	7.281	7.341	VV	4956	87854	1.06%	0.270%
77	7.369	7.341	7.403	VV	11541	152327	1.84%	0.468%
78	7.419	7.403	7.433	VV	995	11429	0.14%	0.035%
79	7.455	7.433	7.489	VV	2925	56236	0.68%	0.173%
80	7.505	7.489	7.519	VV	5959	65391	0.79%	0.201%
81	7.535	7.519	7.571	VV	8436	103644	1.26%	0.318%
82	7.597	7.571	7.605	VV	1267	18144	0.22%	0.056%
83	7.613	7.605	7.628	VV	1278	13852	0.17%	0.043%
84	7.656	7.628	7.666	VV	3331	50090	0.61%	0.154%
85	7.676	7.666	7.701	VV	3279	45730	0.55%	0.140%
86	7.717	7.701	7.726	VV	1744	19557	0.24%	0.060%
87	7.743	7.726	7.757	VV	2368	37069	0.45%	0.114%
88	7.770	7.757	7.795	VV	2677	33372	0.40%	0.102%
89	7.855	7.795	7.885	VV	2289	47026	0.57%	0.144%
90	7.909	7.885	7.925	VV	1891	27146	0.33%	0.083%
91	7.944	7.925	7.964	VV	3447	39672	0.48%	0.122%
92	7.996	7.964	8.062	VV	823910	8258054	100.00%	25.349%
93	8.089	8.062	8.104	VV	1617	28334	0.34%	0.087%
94	8.109	8.104	8.130	VV	1520	18990	0.23%	0.058%
95	8.146	8.130	8.157	VV	1000	14489	0.18%	0.044%
96	8.162	8.157	8.187	VV	980	14826	0.18%	0.046%
97	8.204	8.187	8.224	VV	1393	19015	0.23%	0.058%
98	8.262	8.224	8.281	VV	3546	65432	0.79%	0.201%
99	8.288	8.281	8.300	VV	1859	18534	0.22%	0.057%
100	8.313	8.300	8.328	VV	2192	24484	0.30%	0.075%
101	8.361	8.328	8.368	VV	5385	62353	0.76%	0.191%
102	8.377	8.368	8.422	VV	5722	69972	0.85%	0.215%
103	8.482	8.422	8.497	VV	9137	124045	1.50%	0.381%
104	8.510	8.497	8.528	VV	5889	64995	0.79%	0.200%
105	8.559	8.528	8.582	VV	3249	62661	0.76%	0.192%
106	8.595	8.582	8.618	VV	1712	27914	0.34%	0.086%
107	8.653	8.618	8.691	VV	3881	104460	1.26%	0.321%
108	8.716	8.691	8.737	VV	1833	35239	0.43%	0.108%
109	8.756	8.737	8.772	VV	3068	39430	0.48%	0.121%
110	8.789	8.772	8.822	VV	2454	43314	0.52%	0.133%
111	8.871	8.822	8.901	VV	522199	5400106	65.39%	16.576%
112	8.920	8.901	8.945	VV	2384	47222	0.57%	0.145%

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113	8.980	8.945	8.994	VV	1633	41425	0.50%	0.127%
114	9.022	8.994	9.037	VV	2765	50660	0.61%	0.156%
115	9.051	9.037	9.056	VV	1788	18312	0.22%	0.056%
116	9.075	9.056	9.087	VV	2691	41869	0.51%	0.129%
117	9.101	9.087	9.146	VV	3174	73919	0.90%	0.227%
118	9.165	9.146	9.187	VV	1702	28261	0.34%	0.087%
119	9.207	9.187	9.229	VV	4875	67845	0.82%	0.208%
120	9.241	9.229	9.259	VV	1839	25448	0.31%	0.078%
121	9.288	9.259	9.352	VV	113242	1262413	15.29%	3.875%
122	9.379	9.352	9.389	VV	5372	82059	0.99%	0.252%
123	9.404	9.389	9.457	VV	7083	156768	1.90%	0.481%
124	9.474	9.457	9.499	VV	1862	24544	0.30%	0.075%
125	9.534	9.499	9.551	VV	3672	53905	0.65%	0.165%
126	9.566	9.551	9.592	VV	2942	36637	0.44%	0.112%
127	9.607	9.592	9.634	VV	1200	19496	0.24%	0.060%
128	9.671	9.634	9.705	VV	4369	76750	0.93%	0.236%
129	9.717	9.705	9.730	VV	918	10834	0.13%	0.033%
130	9.752	9.730	9.771	VV	3486	47373	0.57%	0.145%
131	9.779	9.771	9.801	VV	1161	12562	0.15%	0.039%
132	9.834	9.801	9.871	VV	3418	60731	0.74%	0.186%
133	9.902	9.871	9.922	VV	1434	29197	0.35%	0.090%
134	9.936	9.922	9.946	VV	1413	16199	0.20%	0.050%
135	9.961	9.946	9.979	VV	2204	29733	0.36%	0.091%
136	10.001	9.979	10.011	VV	1882	24505	0.30%	0.075%
137	10.033	10.011	10.061	VV	52128	532868	6.45%	1.636%
138	10.082	10.061	10.119	VV	1650	38500	0.47%	0.118%
139	10.131	10.119	10.144	VV	1078	13730	0.17%	0.042%
140	10.166	10.144	10.200	VV	3039	51480	0.62%	0.158%
141	10.205	10.200	10.221	VV	517	5429	0.07%	0.017%
142	10.242	10.221	10.257	VV	1107	17626	0.21%	0.054%
143	10.271	10.257	10.306	VV	1081	20430	0.25%	0.063%
144	10.340	10.306	10.386	VV	1458	29328	0.36%	0.090%
145	10.397	10.386	10.411	PV	137	1212	0.01%	0.004%
146	10.442	10.420	10.459	VV	697	8500	0.10%	0.026%
147	10.497	10.459	10.521	VV	1906	37478	0.45%	0.115%
148	10.557	10.521	10.579	VV	1946	37087	0.45%	0.114%
149	10.605	10.579	10.619	VV	2281	35763	0.43%	0.110%
150	10.634	10.619	10.661	VV	2492	40411	0.49%	0.124%
151	10.680	10.661	10.732	VV	2959	53642	0.65%	0.165%
152	10.770	10.732	10.795	VV	2238	60602	0.73%	0.186%
153	10.812	10.795	10.827	VV	1923	32483	0.39%	0.100%
154	10.853	10.827	10.869	VV	2006	39480	0.48%	0.121%
155	10.903	10.869	10.912	VV	1982	40617	0.49%	0.125%

156	10.922	10.912	10.942	VV	2116	26728	0.32%	0.082%
157	10.976	10.942	11.006	VV	2247	62060	0.75%	0.191%
158	11.035	11.006	11.075	VV	3785	75712	0.92%	0.232%
159	11.122	11.075	11.139	VV	1369	36932	0.45%	0.113%
160	11.159	11.139	11.175	VV	2266	31424	0.38%	0.096%
161	11.187	11.175	11.207	VV	1087	17228	0.21%	0.053%
162	11.231	11.207	11.264	VV	1345	31594	0.38%	0.097%
163	11.301	11.264	11.313	VV	897	20924	0.25%	0.064%
164	11.333	11.313	11.353	VV	1977	31149	0.38%	0.096%
165	11.361	11.353	11.391	VV	880	15001	0.18%	0.046%
166	11.407	11.391	11.421	VV	529	8235	0.10%	0.025%
167	11.427	11.421	11.446	VV	443	6690	0.08%	0.021%
168	11.468	11.446	11.492	VV	1175	18840	0.23%	0.058%
169	11.522	11.492	11.529	VV	924	16604	0.20%	0.051%
170	11.542	11.529	11.566	VV	1133	21129	0.26%	0.065%
171	11.585	11.566	11.591	VV	774	10664	0.13%	0.033%
172	11.609	11.591	11.627	VV	2225	29633	0.36%	0.091%
173	11.654	11.627	11.667	VV	1050	21643	0.26%	0.066%
174	11.685	11.667	11.729	VV	1640	36807	0.45%	0.113%
175	11.765	11.729	11.784	VV	1024	20828	0.25%	0.064%
176	11.812	11.784	11.834	VV	1121	23467	0.28%	0.072%
177	11.846	11.834	11.870	VV	640	10302	0.12%	0.032%
178	11.931	11.870	11.978	VV	479988	5312133	64.33%	16.306%
179	11.995	11.978	12.032	VV	3003	50552	0.61%	0.155%
180	12.087	12.032	12.102	VV	1711	50419	0.61%	0.155%
181	12.112	12.102	12.126	VV	1436	17244	0.21%	0.053%
182	12.144	12.126	12.171	VV	1334	26291	0.32%	0.081%
183	12.175	12.171	12.196	VV	787	10700	0.13%	0.033%
184	12.270	12.196	12.290	VV	2731	88462	1.07%	0.272%
185	12.330	12.290	12.353	VV	11319	155977	1.89%	0.479%
186	12.371	12.353	12.393	VV	1914	30473	0.37%	0.094%
187	12.413	12.393	12.421	VV	1243	16578	0.20%	0.051%
188	12.437	12.421	12.456	VV	1485	26055	0.32%	0.080%
189	12.526	12.456	12.596	VV	60427	826614	10.01%	2.537%
190	12.607	12.596	12.626	VV	1539	23213	0.28%	0.071%
191	12.642	12.626	12.669	VV	1400	32418	0.39%	0.100%
192	12.707	12.669	12.735	VV	1623	53181	0.64%	0.163%
193	12.777	12.735	12.812	VV	8411	158505	1.92%	0.487%
194	12.816	12.812	12.820	VV	783	3195	0.04%	0.010%
195	12.859	12.820	12.884	VV	3056	60974	0.74%	0.187%
196	12.919	12.884	12.959	VV	3208	69224	0.84%	0.212%
197	12.980	12.959	13.024	VV	2758	59141	0.72%	0.182%
198	13.040	13.024	13.049	VV	653	8013	0.10%	0.025%
199	13.064	13.049	13.072	VV	585	6965	0.08%	0.021%

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200	13.077	13.072	13.089	VV	558	4924	0.06%	0.015%
201	13.104	13.089	13.120	VV	578	8817	0.11%	0.027%
202	13.143	13.120	13.157	VV	998	14817	0.18%	0.045%
203	13.175	13.157	13.186	VV	1036	16625	0.20%	0.051%
204	13.192	13.186	13.229	VV	1028	21472	0.26%	0.066%
205	13.238	13.229	13.254	VV	739	9604	0.12%	0.029%
206	13.276	13.254	13.304	VV	1750	32039	0.39%	0.098%
207	13.364	13.304	13.397	VV	99894	1232420	14.92%	3.783%
208	13.415	13.397	13.442	VV	1256	29600	0.36%	0.091%
209	13.445	13.442	13.459	VV	989	9631	0.12%	0.030%
210	13.465	13.459	13.472	VV	900	6706	0.08%	0.021%
211	13.483	13.472	13.507	VV	962	17443	0.21%	0.054%
212	13.528	13.507	13.543	VV	1387	24421	0.30%	0.075%
213	13.584	13.543	13.626	VV	6831	130923	1.59%	0.402%
214	13.647	13.626	13.660	VV	1044	17984	0.22%	0.055%
215	13.671	13.660	13.694	VV	1041	19518	0.24%	0.060%
216	13.708	13.694	13.712	VV	1169	11173	0.14%	0.034%
217	13.757	13.712	13.847	VV	27180	398434	4.82%	1.223%
218	13.866	13.847	13.894	VV	1110	23562	0.29%	0.072%
219	13.910	13.894	13.921	VV	850	12212	0.15%	0.037%
220	13.935	13.921	13.954	VV	860	14715	0.18%	0.045%
221	13.979	13.954	14.004	VV	1049	26075	0.32%	0.080%
222	14.023	14.004	14.029	VV	825	11360	0.14%	0.035%
223	14.065	14.029	14.093	VV	2465	47891	0.58%	0.147%
224	14.118	14.093	14.167	VV	2268	46260	0.56%	0.142%
225	14.180	14.167	14.199	VV	528	7669	0.09%	0.024%
226	14.213	14.199	14.234	VV	444	6334	0.08%	0.019%
227	14.239	14.234	14.267	VV	247	3274	0.04%	0.010%
228	14.277	14.267	14.302	VV	195	2123	0.03%	0.007%
229	14.333	14.302	14.376	PV	436	12436	0.15%	0.038%
230	14.382	14.376	14.397	VV	297	3407	0.04%	0.010%
231	14.412	14.397	14.432	VV	333	5179	0.06%	0.016%
232	14.452	14.432	14.469	VV	447	6624	0.08%	0.020%
233	14.553	14.469	14.601	VV	2143	64798	0.78%	0.199%
234	14.607	14.601	14.624	VV	712	8025	0.10%	0.025%
235	14.640	14.624	14.662	VV	577	11668	0.14%	0.036%
236	14.680	14.662	14.709	VV	1000	19971	0.24%	0.061%
237	14.735	14.709	14.752	VV	837	16452	0.20%	0.051%
238	14.782	14.752	14.795	VV	963	19213	0.23%	0.059%
239	14.811	14.795	14.832	VV	1061	20544	0.25%	0.063%
240	14.843	14.832	14.862	VV	976	14966	0.18%	0.046%
241	14.888	14.862	14.919	VV	941	24648	0.30%	0.076%
242	14.936	14.919	14.944	VV	810	10446	0.13%	0.032%

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243	15.000	14.944	15.017	VV	1217	41730	0.51%	0.128%
244	15.029	15.017	15.054	VV	1160	20773	0.25%	0.064%
245	15.086	15.054	15.127	VV	734	28912	0.35%	0.089%
246	15.179	15.127	15.203	VV	1974	57136	0.69%	0.175%
247	15.220	15.203	15.241	VV	2617	41346	0.50%	0.127%
248	15.264	15.241	15.297	VV	2429	42995	0.52%	0.132%
249	15.317	15.297	15.364	VV	525	16239	0.20%	0.050%
250	15.388	15.364	15.444	VV	883	21688	0.26%	0.067%
251	15.463	15.444	15.484	VV	395	6212	0.08%	0.019%
252	15.519	15.484	15.554	VV	448	8789	0.11%	0.027%
253	15.603	15.554	15.724	PV	17482	396531	4.80%	1.217%
254	15.758	15.724	15.783	VV	1590	31109	0.38%	0.095%
255	15.795	15.783	15.847	VV	332	7540	0.09%	0.023%
256	15.870	15.847	15.889	PV	476	7218	0.09%	0.022%
257	15.914	15.889	15.927	VV	422	7336	0.09%	0.023%
258	15.953	15.927	16.004	VV	696	16508	0.20%	0.051%
259	16.061	16.004	16.082	VV	570	17353	0.21%	0.053%
260	16.102	16.082	16.122	VV	680	13258	0.16%	0.041%
261	16.138	16.122	16.179	VV	695	18182	0.22%	0.056%
262	16.203	16.179	16.219	VV	1028	16821	0.20%	0.052%
263	16.242	16.219	16.269	VV	2171	34794	0.42%	0.107%
264	16.297	16.269	16.352	VV	858	21064	0.26%	0.065%
265	16.378	16.352	16.394	VV	166	1987	0.02%	0.006%
266	16.421	16.394	16.429	PV	198	2729	0.03%	0.008%
267	16.436	16.429	16.444	VV	179	1379	0.02%	0.004%
268	16.454	16.444	16.477	VV	223	2335	0.03%	0.007%
269	16.494	16.477	16.504	VV	109	1344	0.02%	0.004%
270	16.527	16.504	16.553	PV	264	4255	0.05%	0.013%
271	16.632	16.553	16.680	PV	1498	49010	0.59%	0.150%
272	16.724	16.680	16.775	VV	1054	34390	0.42%	0.106%
273	16.807	16.775	16.830	VV	1576	26339	0.32%	0.081%
274	16.854	16.830	16.876	VV	1091	17658	0.21%	0.054%
275	16.921	16.876	16.951	VV	391	13393	0.16%	0.041%
276	16.964	16.951	16.982	VV	175	2648	0.03%	0.008%
277	17.035	16.982	17.047	VV	216	5140	0.06%	0.016%
278	17.088	17.047	17.111	VV	444	10112	0.12%	0.031%
279	17.119	17.111	17.139	VV	368	4822	0.06%	0.015%
280	17.159	17.139	17.171	VV	884	11916	0.14%	0.037%
281	17.192	17.171	17.217	VV	2371	36091	0.44%	0.111%
282	17.242	17.217	17.291	VV	2056	37774	0.46%	0.116%
283	17.310	17.291	17.324	VV	319	4830	0.06%	0.015%
284	17.346	17.324	17.361	VV	283	4160	0.05%	0.013%
285	17.387	17.361	17.410	VV	230	4894	0.06%	0.015%

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286	17.421	17.410	17.433	VV	158	1267	0.02%	0.004%
287	17.531	17.433	17.551	VV	407	12803	0.16%	0.039%
288	17.587	17.551	17.604	VV	877	20877	0.25%	0.064%
289	17.642	17.604	17.676	VV	2457	47610	0.58%	0.146%
290	17.683	17.676	17.694	VV	270	2239	0.03%	0.007%
291	17.731	17.694	17.771	VV	680	19443	0.24%	0.060%
292	17.783	17.771	17.796	VV	426	5362	0.06%	0.016%
293	17.804	17.796	17.816	VV	300	3534	0.04%	0.011%
294	17.825	17.816	17.846	VV	298	3489	0.04%	0.011%
295	17.896	17.846	17.905	VV	112	3262	0.04%	0.010%
296	17.932	17.905	17.943	PV	151	2258	0.03%	0.007%
297	18.049	17.961	18.059	PV	1060	20179	0.24%	0.062%
298	18.080	18.059	18.120	VV	3591	51708	0.63%	0.159%
299	18.169	18.120	18.199	VV	2940	45284	0.55%	0.139%
300	18.238	18.199	18.247	VV	469	10613	0.13%	0.033%
301	18.260	18.247	18.274	VV	452	6064	0.07%	0.019%
302	18.315	18.274	18.329	VV	466	12730	0.15%	0.039%
303	18.361	18.329	18.376	VV	602	12432	0.15%	0.038%
304	18.400	18.376	18.417	VV	725	12189	0.15%	0.037%
305	18.449	18.417	18.486	VV	7293	167736	2.03%	0.515%
306	18.503	18.486	18.552	VV	4339	74895	0.91%	0.230%
307	18.602	18.552	18.614	PV	671	9736	0.12%	0.030%
308	18.647	18.614	18.664	VV	298	8292	0.10%	0.025%
309	18.718	18.664	18.729	PV	310	4457	0.05%	0.014%

Sum of corrected areas: 32577073

Aromatic EPH 110724.M Sat Nov 09 05:40:34 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-3			SDG No.:	P4721
Lab Sample ID:	P4721-10			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.2
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/08/24 08:47	11/08/24 19:38	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	3.43		1	0.45	1.17	mg/kg	FE051127.D
Aliphatic C12-C16	Aliphatic C12-C16	10.9		1	0.28	0.78	mg/kg	FE051127.D
Aliphatic C16-C21	Aliphatic C16-C21	8.32		1	0.35	1.17	mg/kg	FE051127.D
Aliphatic C21-C28	Aliphatic C21-C28	0.96	J	1	0.94	1.56	mg/kg	FE051127.D
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	2.11	2.35	mg/kg	FE051127.D
Aromatic C10-C12	Aromatic C10-C12	1.34		1	0.35	0.78	mg/kg	FF014980.D
Aromatic C12-C16	Aromatic C12-C16	8.39		1	0.40	1.17	mg/kg	FF014980.D
Aromatic C16-C21	Aromatic C16-C21	14.1		1	1.13	1.95	mg/kg	FF014980.D
Aromatic C21-C36	Aromatic C21-C36	2.35	U	1	2.35	3.13	mg/kg	FF014980.D
Total AliphaticEPH	Total AliphaticEPH	34.8			4.13	7.03	mg/kg	
Total AromaticEPH	Total AromaticEPH	23.8			4.23	7.03	mg/kg	
Total EPH	Total EPH	58.6			8.36	14.1	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-10		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.2	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051127.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	3.43		0.45	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	10.9		0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.32		0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.96	J	0.94	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.2		2.11	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-10	Acq On:	08 Nov 2024 19:38
Client Sample ID:	EX-9-TPH-3	Operator:	YP\AJ
Data file:	FE051127.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.758	6147416	43.937	300	ug/ml
Aliphatic C12-C16	6.759	10.191	19558473	139.072	200	ug/ml
Aliphatic C16-C21	10.192	13.550	14656994	106.389	300	ug/ml
Aliphatic C21-C28	13.551	17.206	1635832	12.212	400	ug/ml
Aliphatic C28-C40	17.207	22.053	18478011	143.52	600	ug/ml
Aliphatic EPH	3.140	22.053	60476726	445.13		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3707687	32.66		ug/ml
Aliphatic C9-C28	3.140	17.206	41998715	301.61	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051127.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 19:38
Operator : YP\AJ
Sample : P4721-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-3

Integration File: sample.E
Quant Time: Nov 09 00:43:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	3707687	32.658 ug/ml
Spiked Amount 50.000		Recovery = 65.32%	
Target Compounds			

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

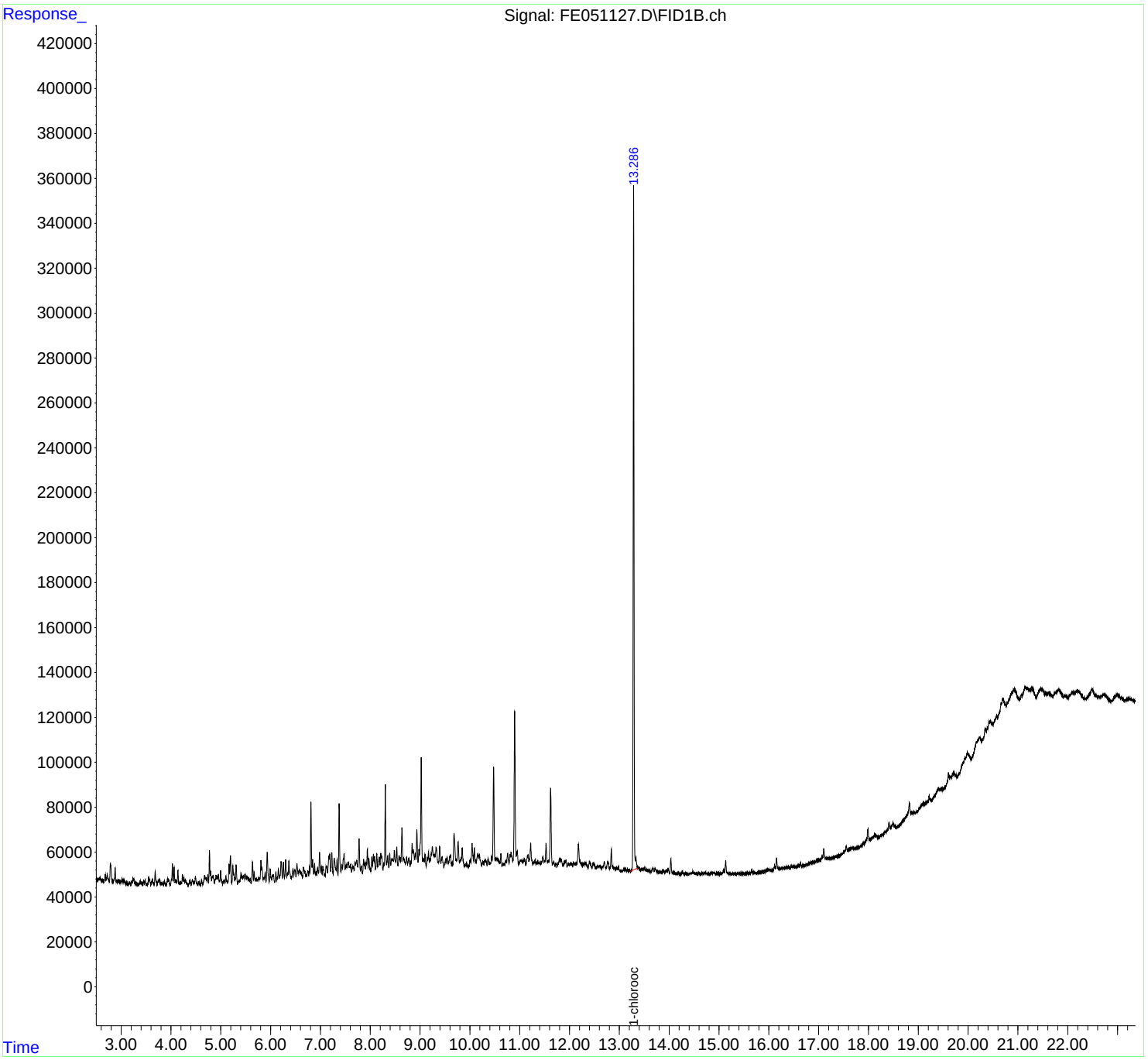
Quantitation Report (QT Reviewed)

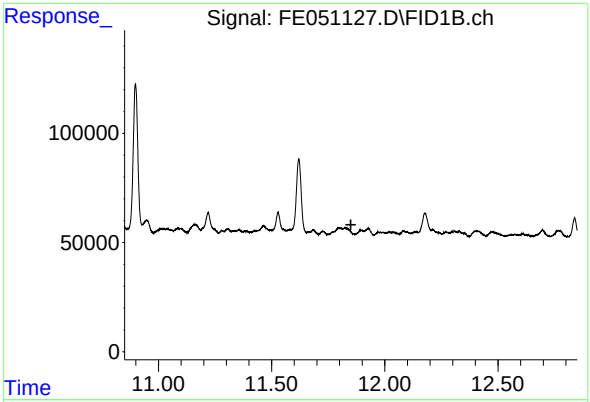
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051127.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 19:38
Operator : YP\AJ
Sample : P4721-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-3

Integration File: sample.E
Quant Time: Nov 09 00:43:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

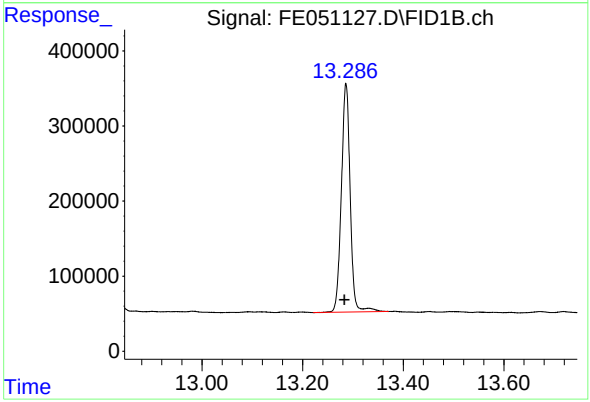




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.850 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
EX-9-TPH-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: 0.003 min
Response: 3707687
Conc: 32.66 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051127.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 19:38
Sample : P4721-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.204	3.275	PH	2069	45656	1.20%	0.071%
2	3.289	3.275	3.332	PV	259	3532	0.09%	0.005%
3	3.381	3.332	3.396	PV	1594	22857	0.60%	0.036%
4	3.409	3.396	3.431	VV	1202	15062	0.40%	0.023%
5	3.450	3.431	3.464	VV	1656	20010	0.53%	0.031%
6	3.481	3.464	3.508	VV	1856	25707	0.68%	0.040%
7	3.519	3.508	3.531	VV	595	5835	0.15%	0.009%
8	3.551	3.531	3.594	VV	3451	67484	1.78%	0.105%
9	3.629	3.594	3.664	VV	2533	46850	1.23%	0.073%
10	3.684	3.664	3.724	VV	6000	83529	2.20%	0.130%
11	3.765	3.724	3.800	VV	2750	66581	1.75%	0.103%
12	3.820	3.800	3.851	VV	940	18776	0.49%	0.029%
13	3.869	3.851	3.898	VV	2083	22020	0.58%	0.034%
14	3.933	3.898	3.984	PV	2954	68737	1.81%	0.107%
15	4.030	3.984	4.047	VV	9558	128450	3.39%	0.200%
16	4.064	4.047	4.084	VV	7952	94125	2.48%	0.146%
17	4.098	4.084	4.118	VV	2310	36307	0.96%	0.056%
18	4.140	4.118	4.163	VV	6602	81803	2.16%	0.127%
19	4.179	4.163	4.189	VV	1241	14128	0.37%	0.022%
20	4.200	4.189	4.211	VV	1390	15569	0.41%	0.024%
21	4.231	4.211	4.246	VV	4709	56784	1.50%	0.088%
22	4.260	4.246	4.276	VV	3647	46827	1.23%	0.073%
23	4.294	4.276	4.345	VV	2083	47497	1.25%	0.074%
24	4.381	4.345	4.406	PV	2651	41146	1.08%	0.064%
25	4.429	4.406	4.455	VV	2526	44701	1.18%	0.069%
26	4.491	4.455	4.538	VV	3962	75776	2.00%	0.118%
27	4.558	4.538	4.588	VV	1526	22034	0.58%	0.034%
28	4.614	4.588	4.637	VV	2449	30827	0.81%	0.048%
29	4.676	4.637	4.723	VV	4517	129116	3.40%	0.201%
30	4.740	4.723	4.754	VV	4784	55613	1.47%	0.086%
31	4.773	4.754	4.814	VV	15325	227968	6.01%	0.354%
32	4.832	4.814	4.841	VV	4028	53709	1.42%	0.083%
33	4.850	4.841	4.870	VV	4233	48696	1.28%	0.076%
34	4.906	4.870	4.918	VV	4283	77994	2.06%	0.121%
35	4.928	4.918	4.938	VV	3546	37308	0.98%	0.058%
36	4.951	4.938	4.978	VV	4571	67810	1.79%	0.105%

37	4.997	4.978	5.038	VV	6313	96842	2.55%	0.151%
38	5.067	5.038	5.083	VV	1945	36847	0.97%	0.057%
39	5.102	5.083	5.141	VV	3976	68078	1.79%	0.106%
40	5.165	5.141	5.177	VV	9048	102072	2.69%	0.159%
41	5.193	5.177	5.220	VV	12784	180891	4.77%	0.281%
42	5.242	5.220	5.280	VV	8480	154967	4.08%	0.241%
43	5.308	5.280	5.344	VV	8695	130762	3.45%	0.203%
44	5.371	5.344	5.383	VV	1818	29820	0.79%	0.046%
45	5.405	5.383	5.419	VV	5189	71600	1.89%	0.111%
46	5.429	5.419	5.440	VV	3797	40764	1.07%	0.063%
47	5.466	5.440	5.481	VV	4125	80226	2.11%	0.125%
48	5.499	5.481	5.515	VV	4217	67115	1.77%	0.104%
49	5.529	5.515	5.553	VV	3728	65056	1.71%	0.101%
50	5.564	5.553	5.578	VV	2602	31787	0.84%	0.049%
51	5.590	5.578	5.609	VV	2579	30237	0.80%	0.047%
52	5.636	5.609	5.655	VV	10019	131576	3.47%	0.204%
53	5.670	5.655	5.689	VV	5336	66684	1.76%	0.104%
54	5.701	5.689	5.713	VV	2515	29073	0.77%	0.045%
55	5.723	5.713	5.735	VV	2072	25876	0.68%	0.040%
56	5.753	5.735	5.766	VV	2713	39250	1.03%	0.061%
57	5.805	5.766	5.865	VV	10467	277322	7.31%	0.431%
58	5.889	5.865	5.907	VV	5043	75509	1.99%	0.117%
59	5.932	5.907	5.971	VV	14037	234445	6.18%	0.364%
60	5.992	5.971	6.021	VV	6538	104296	2.75%	0.162%
61	6.056	6.021	6.081	VV	3922	97094	2.56%	0.151%
62	6.105	6.081	6.122	VV	5243	66089	1.74%	0.103%
63	6.156	6.122	6.175	VV	6613	111910	2.95%	0.174%
64	6.211	6.175	6.236	VV	9759	202415	5.33%	0.315%
65	6.257	6.236	6.277	VV	9523	136040	3.59%	0.211%
66	6.302	6.277	6.327	VV	10662	174555	4.60%	0.271%
67	6.342	6.327	6.350	VV	4790	57392	1.51%	0.089%
68	6.367	6.350	6.408	VV	10039	189500	4.99%	0.295%
69	6.449	6.408	6.466	VV	6430	143520	3.78%	0.223%
70	6.482	6.466	6.509	VV	6110	123296	3.25%	0.192%
71	6.529	6.509	6.553	VV	8654	157858	4.16%	0.245%
72	6.574	6.553	6.591	VV	5461	112995	2.98%	0.176%
73	6.606	6.591	6.638	VV	4822	117679	3.10%	0.183%
74	6.660	6.638	6.705	VV	7042	196231	5.17%	0.305%
75	6.716	6.705	6.727	VV	3788	43458	1.15%	0.068%
76	6.747	6.727	6.765	VV	5209	99465	2.62%	0.155%
77	6.780	6.765	6.790	VV	7177	80945	2.13%	0.126%
78	6.810	6.790	6.832	VV	36012	449817	11.86%	0.699%
79	6.843	6.832	6.866	VV	10445	150288	3.96%	0.234%
80	6.882	6.866	6.903	VV	8394	126975	3.35%	0.197%
81	6.943	6.903	6.960	VV	6690	169523	4.47%	0.263%
82	6.983	6.960	7.008	VV	13326	233443	6.15%	0.363%
83	7.020	7.008	7.034	VV	7231	88423	2.33%	0.137%
84	7.050	7.034	7.093	VV	7236	172123	4.54%	0.268%
85	7.116	7.093	7.142	VV	7033	166726	4.39%	0.259%
86	7.187	7.142	7.206	VV	12800	347518	9.16%	0.540%
87	7.229	7.206	7.255	VV	13238	233494	6.15%	0.363%
88	7.278	7.255	7.317	VV	10847	274347	7.23%	0.426%
89	7.334	7.317	7.352	VV	10023	143405	3.78%	0.223%

90	7.376	7.352	7.412	VV	34870	508599	13.40%	0.790%
91	7.431	7.412	7.443	VV	7876	121784	3.21%	0.189%
92	7.475	7.443	7.494	VV	12776	284032	7.49%	0.441%
93	7.520	7.494	7.533	VV	7843	162585	4.29%	0.253%
94	7.562	7.533	7.581	VV	8990	220967	5.82%	0.343%
95	7.604	7.581	7.625	VV	7888	170928	4.51%	0.266%
96	7.652	7.625	7.676	VV	7041	185735	4.90%	0.289%
97	7.694	7.676	7.704	VV	8679	126722	3.34%	0.197%
98	7.727	7.704	7.750	VV	9489	225073	5.93%	0.350%
99	7.777	7.750	7.804	VV	19182	357377	9.42%	0.555%
100	7.819	7.804	7.843	VV	6946	130318	3.43%	0.203%
101	7.866	7.843	7.879	VV	10002	152679	4.02%	0.237%
102	7.888	7.879	7.903	VV	8246	102571	2.70%	0.159%
103	7.943	7.903	7.959	VV	14414	308042	8.12%	0.479%
104	7.973	7.959	8.011	VV	10209	225753	5.95%	0.351%
105	8.033	8.011	8.047	VV	11063	173645	4.58%	0.270%
106	8.064	8.047	8.077	VV	12095	177363	4.67%	0.276%
107	8.086	8.077	8.104	VV	11333	148367	3.91%	0.231%
108	8.131	8.104	8.150	VV	12348	236776	6.24%	0.368%
109	8.179	8.150	8.195	VV	10921	234583	6.18%	0.365%
110	8.212	8.195	8.255	VV	12539	341037	8.99%	0.530%
111	8.273	8.255	8.280	VV	8056	104551	2.76%	0.162%
112	8.302	8.280	8.328	VV	42815	567153	14.95%	0.881%
113	8.350	8.328	8.373	VV	11349	241485	6.36%	0.375%
114	8.392	8.373	8.411	VV	12188	207882	5.48%	0.323%
115	8.444	8.411	8.465	VV	9884	293501	7.74%	0.456%
116	8.483	8.465	8.510	VV	13742	288175	7.60%	0.448%
117	8.531	8.510	8.554	VV	15189	276195	7.28%	0.429%
118	8.578	8.554	8.613	VV	11282	337793	8.90%	0.525%
119	8.636	8.613	8.658	VV	23792	398088	10.49%	0.619%
120	8.677	8.658	8.704	VV	9760	252598	6.66%	0.393%
121	8.728	8.704	8.747	VV	10362	230002	6.06%	0.357%
122	8.775	8.747	8.799	VV	10031	261963	6.90%	0.407%
123	8.840	8.799	8.887	VV	16600	606291	15.98%	0.942%
124	8.905	8.887	8.917	VV	12305	197596	5.21%	0.307%
125	8.935	8.917	8.959	VV	22794	370706	9.77%	0.576%
126	8.977	8.959	8.987	VV	13721	196683	5.18%	0.306%
127	9.023	8.987	9.051	VV	54778	916012	24.14%	1.424%
128	9.065	9.051	9.082	VV	9739	172951	4.56%	0.269%
129	9.098	9.082	9.122	VV	11692	218664	5.76%	0.340%
130	9.146	9.122	9.153	VV	9818	156988	4.14%	0.244%
131	9.169	9.153	9.186	VV	12803	208291	5.49%	0.324%
132	9.246	9.186	9.275	VV	14985	610263	16.08%	0.948%
133	9.287	9.275	9.300	VV	11348	169614	4.47%	0.264%
134	9.324	9.300	9.369	VV	14363	457242	12.05%	0.711%
135	9.393	9.369	9.417	VV	14937	307052	8.09%	0.477%
136	9.440	9.417	9.477	VV	10094	305248	8.05%	0.474%
137	9.512	9.477	9.525	VV	8901	215790	5.69%	0.335%
138	9.543	9.525	9.561	VV	10135	193531	5.10%	0.301%
139	9.609	9.561	9.634	VV	11055	398556	10.50%	0.619%
140	9.640	9.634	9.652	VV	7469	77592	2.05%	0.121%
141	9.682	9.652	9.719	VV	20625	532524	14.04%	0.828%

142	9.763	9.719	9.791	VV	16956	484286	12.76%	0.753%
143	9.845	9.791	9.891	VV	14105	555021	14.63%	0.863%
144	9.925	9.891	9.959	VV	7050	264201	6.96%	0.411%
145	9.967	9.959	9.978	VV	6011	67549	1.78%	0.105%
146	10.005	9.978	10.019	VV	8753	182790	4.82%	0.284%
147	10.044	10.019	10.073	VV	16152	369750	9.75%	0.575%
148	10.089	10.073	10.129	VV	14150	336733	8.88%	0.523%
149	10.164	10.129	10.179	VV	10898	295200	7.78%	0.459%
150	10.192	10.179	10.234	VV	11173	291387	7.68%	0.453%
151	10.261	10.234	10.280	VV	8034	196509	5.18%	0.305%
152	10.301	10.280	10.313	VV	8504	152143	4.01%	0.236%
153	10.320	10.313	10.343	VV	8376	138036	3.64%	0.215%
154	10.365	10.343	10.387	VV	9126	203480	5.36%	0.316%
155	10.404	10.387	10.415	VV	7200	118343	3.12%	0.184%
156	10.436	10.415	10.447	VV	9723	165957	4.37%	0.258%
157	10.477	10.447	10.504	VV	49972	836588	22.05%	1.300%
158	10.531	10.504	10.600	VV	9053	484666	12.77%	0.753%
159	10.623	10.600	10.647	VV	11220	235214	6.20%	0.366%
160	10.666	10.647	10.701	VV	6912	208975	5.51%	0.325%
161	10.758	10.701	10.786	VV	11315	429038	11.31%	0.667%
162	10.805	10.786	10.813	VV	10766	147664	3.89%	0.229%
163	10.826	10.813	10.864	VV	11773	305308	8.05%	0.475%
164	10.899	10.864	10.929	VV	74769	1239594	32.67%	1.927%
165	10.948	10.929	10.977	VV	12007	284581	7.50%	0.442%
166	11.019	10.977	11.067	VV	8277	407147	10.73%	0.633%
167	11.087	11.067	11.125	VV	8332	265875	7.01%	0.413%
168	11.163	11.125	11.187	VV	9978	317123	8.36%	0.493%
169	11.220	11.187	11.265	VV	15569	452483	11.93%	0.703%
170	11.306	11.265	11.322	VV	7906	242159	6.38%	0.376%
171	11.332	11.322	11.344	VV	7015	91102	2.40%	0.142%
172	11.355	11.344	11.373	VV	7420	118425	3.12%	0.184%
173	11.385	11.373	11.409	VV	6917	146974	3.87%	0.228%
174	11.464	11.409	11.494	VV	9275	387878	10.22%	0.603%
175	11.529	11.494	11.565	VV	15392	400834	10.56%	0.623%
176	11.620	11.565	11.654	VV	39837	843927	22.24%	1.312%
177	11.684	11.654	11.707	VV	7281	199817	5.27%	0.311%
178	11.727	11.707	11.748	VV	6643	145590	3.84%	0.226%
179	11.799	11.748	11.815	VV	8199	274702	7.24%	0.427%
180	11.826	11.815	11.868	VV	8010	219836	5.79%	0.342%
181	11.895	11.868	11.907	VV	6971	149331	3.94%	0.232%
182	11.927	11.907	11.951	VV	7749	173349	4.57%	0.269%
183	11.972	11.951	11.984	VV	6014	113062	2.98%	0.176%
184	11.990	11.984	12.004	VV	6070	67306	1.77%	0.105%
185	12.019	12.004	12.064	VV	6138	209832	5.53%	0.326%
186	12.083	12.064	12.118	VV	6655	193119	5.09%	0.300%
187	12.135	12.118	12.147	VV	6212	105584	2.78%	0.164%
188	12.178	12.147	12.252	VV	14668	520706	13.72%	0.809%
189	12.273	12.252	12.286	VV	5921	112817	2.97%	0.175%
190	12.307	12.286	12.317	VV	6385	114890	3.03%	0.179%
191	12.328	12.317	12.372	VV	6390	178317	4.70%	0.277%
192	12.407	12.372	12.446	VV	6482	239599	6.31%	0.372%
193	12.474	12.446	12.531	VV	6107	260206	6.86%	0.404%
194	12.576	12.531	12.590	VV	4820	159888	4.21%	0.248%

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195	12.609	12.590	12.645	VV	5117	150243	3.96%	0.234%
196	12.697	12.645	12.732	VV	6737	252242	6.65%	0.392%
197	12.772	12.732	12.809	VV	6474	229597	6.05%	0.357%
198	12.839	12.809	12.884	VV	12091	275387	7.26%	0.428%
199	12.901	12.884	12.918	VV	4093	74780	1.97%	0.116%
200	12.949	12.918	12.965	VV	3712	101637	2.68%	0.158%
201	12.981	12.965	13.039	VV	4191	138653	3.65%	0.215%
202	13.093	13.039	13.105	VV	3410	109166	2.88%	0.170%
203	13.116	13.105	13.145	VV	3288	71536	1.89%	0.111%
204	13.163	13.145	13.184	VV	3167	64739	1.71%	0.101%
205	13.198	13.184	13.223	VV	3006	61367	1.62%	0.095%
206	13.286	13.223	13.320	VV	306927	3794141	100.00%	5.897%
207	13.331	13.320	13.378	VV	8028	192327	5.07%	0.299%
208	13.383	13.378	13.430	VV	3950	98996	2.61%	0.154%
209	13.452	13.430	13.474	VV	3514	81680	2.15%	0.127%
210	13.495	13.474	13.538	VV	3454	115834	3.05%	0.180%
211	13.549	13.538	13.600	VV	2762	89449	2.36%	0.139%
212	13.613	13.600	13.631	VV	2358	38125	1.00%	0.059%
213	13.672	13.631	13.697	VV	3407	99354	2.62%	0.154%
214	13.718	13.697	13.846	VV	3457	172278	4.54%	0.268%
215	13.881	13.846	13.919	VV	2127	78239	2.06%	0.122%
216	13.942	13.919	13.963	VV	2198	49424	1.30%	0.077%
217	13.982	13.963	14.007	VV	3203	54702	1.44%	0.085%
218	14.034	14.007	14.069	VV	7475	117010	3.08%	0.182%
219	14.090	14.069	14.104	VV	1207	23298	0.61%	0.036%
220	14.118	14.104	14.144	VV	993	19296	0.51%	0.030%
221	14.181	14.144	14.222	VV	801	27528	0.73%	0.043%
222	14.265	14.222	14.296	VV	1535	41221	1.09%	0.064%
223	14.329	14.296	14.348	VV	848	20571	0.54%	0.032%
224	14.357	14.348	14.381	VV	596	9269	0.24%	0.014%
225	14.474	14.381	14.524	VV	1664	63017	1.66%	0.098%
226	14.542	14.524	14.574	VV	841	17526	0.46%	0.027%
227	14.595	14.574	14.626	VV	1053	18319	0.48%	0.028%
228	14.664	14.626	14.685	VV	808	18122	0.48%	0.028%
229	14.723	14.685	14.774	VV	1054	34842	0.92%	0.054%
230	14.791	14.774	14.811	VV	500	8028	0.21%	0.012%
231	14.846	14.811	14.863	VV	737	15470	0.41%	0.024%
232	14.892	14.863	14.929	VV	792	24626	0.65%	0.038%
233	14.944	14.929	14.975	VV	591	12262	0.32%	0.019%
234	14.986	14.975	15.045	VV	437	11762	0.31%	0.018%
235	15.091	15.045	15.110	VV	2295	35931	0.95%	0.056%
236	15.135	15.110	15.233	VV	5993	98812	2.60%	0.154%
237	15.251	15.233	15.261	VV	120	1104	0.03%	0.002%
238	15.282	15.261	15.314	VV	226	4509	0.12%	0.007%
239	15.332	15.314	15.356	VV	199	2594	0.07%	0.004%
240	15.378	15.356	15.418	VV	184	4117	0.11%	0.006%
241	15.485	15.418	15.507	PV	149	4115	0.11%	0.006%
242	15.563	15.507	15.594	PV	182	4039	0.11%	0.006%
243	15.611	15.594	15.630	VV	258	3744	0.10%	0.006%
244	15.654	15.630	15.761	VV	1218	25293	0.67%	0.039%
245	15.795	15.761	15.813	PV	254	4350	0.11%	0.007%
246	15.868	15.813	15.881	VV	267	6242	0.16%	0.010%

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247	15.973	15.881	15.998	VV	798	24830	0.65%	0.039%
248	16.015	15.998	16.031	VV	574	9657	0.25%	0.015%
249	16.049	16.031	16.060	VV	347	4883	0.13%	0.008%
250	16.115	16.060	16.132	VV	1926	31231	0.82%	0.049%
251	16.155	16.132	16.227	VV	5190	90822	2.39%	0.141%
252	16.245	16.227	16.263	VV	384	6714	0.18%	0.010%
253	16.288	16.263	16.310	VV	396	8629	0.23%	0.013%
254	16.361	16.310	16.393	VV	539	21214	0.56%	0.033%
255	16.406	16.393	16.418	VV	382	5154	0.14%	0.008%
256	16.470	16.418	16.499	VV	457	17796	0.47%	0.028%
257	16.515	16.499	16.530	VV	293	5068	0.13%	0.008%
258	16.541	16.530	16.561	VV	236	2599	0.07%	0.004%
259	16.602	16.561	16.609	VV	413	6701	0.18%	0.010%
260	16.637	16.609	16.672	VV	1321	21271	0.56%	0.033%
261	16.681	16.672	16.694	VV	143	958	0.03%	0.001%
262	16.836	16.694	16.845	PV	461	11544	0.30%	0.018%
263	17.069	16.845	17.080	VV	2003	96940	2.55%	0.151%
264	17.103	17.080	17.177	VV	5237	100682	2.65%	0.156%
265	17.216	17.177	17.231	VV	330	8736	0.23%	0.014%
266	17.343	17.231	17.364	VV	419	9576	0.25%	0.015%
267	17.399	17.364	17.407	PV	228	2555	0.07%	0.004%
268	17.521	17.407	17.530	VV	1209	33029	0.87%	0.051%
269	17.554	17.530	17.578	VV	3106	54384	1.43%	0.085%
270	17.660	17.578	17.716	VV	1227	71348	1.88%	0.111%
271	17.803	17.716	17.818	VV	204	12791	0.34%	0.020%
272	17.988	17.818	18.020	PV	5749	152708	4.02%	0.237%
273	18.127	18.020	18.144	VV	2220	94322	2.49%	0.147%
274	18.157	18.144	18.188	VV	1184	18858	0.50%	0.029%
275	18.272	18.188	18.288	VV	351	4685	0.12%	0.007%
276	18.412	18.288	18.438	PV	4207	112369	2.96%	0.175%
277	18.492	18.438	18.525	VV	3104	97839	2.58%	0.152%
278	18.534	18.525	18.571	VV	972	17137	0.45%	0.027%
279	18.821	18.571	18.850	PV	6810	258246	6.81%	0.401%
280	18.860	18.850	18.874	VV	1754	23093	0.61%	0.036%
281	18.918	18.874	18.946	VV	1133	36699	0.97%	0.057%
282	19.031	18.946	19.040	PV	1309	34540	0.91%	0.054%
283	19.096	19.040	19.111	VV	2220	72035	1.90%	0.112%
284	19.125	19.111	19.134	VV	1424	17464	0.46%	0.027%
285	19.152	19.134	19.162	VV	1579	23212	0.61%	0.036%
286	19.217	19.162	19.237	VV	3189	74235	1.96%	0.115%
287	19.250	19.237	19.269	VV	1461	18781	0.49%	0.029%
288	19.403	19.269	19.421	VV	3140	163984	4.32%	0.255%
289	19.435	19.421	19.450	VV	2573	41495	1.09%	0.064%
290	19.475	19.450	19.491	VV	2437	50307	1.33%	0.078%
291	19.605	19.491	19.625	VV	7164	245392	6.47%	0.381%
292	19.655	19.625	19.669	VV	4566	122708	3.23%	0.191%
293	19.705	19.669	19.747	VV	5413	214950	5.67%	0.334%
294	19.757	19.747	19.780	VV	3798	60193	1.59%	0.094%
295	19.985	19.780	20.057	VV	9722	1035215	27.28%	1.609%
296	20.169	20.057	20.177	VV	11548	578901	15.26%	0.900%
297	20.230	20.177	20.270	VV	12476	648903	17.10%	1.009%
298	20.343	20.270	20.365	VV	14687	672295	17.72%	1.045%
299	20.418	20.365	20.490	VV	16379	1102895	29.07%	1.714%

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300	20.587	20.490	20.598	VV	15777	972181	25.62%	1.511%
301	20.666	20.598	20.674	VV	20517	804787	21.21%	1.251%
302	20.700	20.674	20.761	VV	21956	1049319	27.66%	1.631%
303	20.881	20.761	20.891	VV	21938	1529800	40.32%	2.378%
304	20.931	20.891	20.948	VV	22288	737228	19.43%	1.146%
305	20.957	20.948	21.024	VV	20937	845334	22.28%	1.314%
306	21.033	21.024	21.044	VV	16485	196467	5.18%	0.305%
307	21.071	21.044	21.087	VV	17460	430185	11.34%	0.669%
308	21.138	21.087	21.164	VV	19551	847667	22.34%	1.317%
309	21.168	21.164	21.189	VV	18737	266354	7.02%	0.414%
310	21.197	21.189	21.214	VV	18078	274890	7.25%	0.427%
311	21.223	21.214	21.237	VV	17189	233403	6.15%	0.363%
312	21.262	21.237	21.274	VV	16579	365045	9.62%	0.567%
313	21.295	21.274	21.361	VV	16498	753764	19.87%	1.171%
314	21.455	21.361	21.481	VV	13733	912341	24.05%	1.418%
315	21.487	21.481	21.560	VV	13139	526833	13.89%	0.819%
316	21.571	21.560	21.593	VV	9684	185122	4.88%	0.288%
317	21.621	21.593	21.700	VV	9191	502688	13.25%	0.781%
318	21.814	21.700	21.911	VV	7453	754986	19.90%	1.173%
319	21.945	21.911	22.007	VV	2654	103737	2.73%	0.161%
320	22.097	22.007	22.116	VV	1405	63668	1.68%	0.099%
321	22.134	22.116	22.154	VV	562	8258	0.22%	0.013%

Sum of corrected areas: 64342806

Aliphatic EPH 110724.M Mon Nov 11 00:54:27 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-10		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.2	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF014980.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	1.34		0.35	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.39		0.40	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.1		1.13	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.35	U	2.35	3.13	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.4		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.0		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	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:	P4721-10	Acq On:	08 Nov 2024 19:52
Client Sample ID:	EX-9-TPH-3	Operator:	YP\AJ
Data file:	FF014980.D	Misc:	
Instrument:	FID_F	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	2644125	17.106	200	ug/ml
Aromatic C12-C16	6.366	8.961	16475329	107.289	300	ug/ml
Aromatic C16-C21	8.962	13.378	25648683	180.502	500	ug/ml
Aromatic C21-C36	13.379	18.826	3546762	25.694	800	ug/ml
Aromatic EPH	4.496	18.826	48314899	330.591		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	7241706	54.42		ug/ml
2-Flurobiphenyl (SURR)	8.870	8.870	4814895	53.99		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	4919018	33.4		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014980.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:52
Operator : YP\AJ
Sample : P4721-10
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-3

Integration File: autoint1.e
Quant Time: Nov 09 00:28:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.996	7241706	54.415 ug/ml
Spiked Amount 50.000		Recovery = 108.83%	
6) S 2-Flurobiphenyl (SURR)	8.870	4814895	53.986 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 107.97%	
11) S ortho-Terphenyl (SURR)	11.930	4919018	33.398 ug/ml
Spiked Amount 50.000		Recovery = 66.80%	
Target Compounds			

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

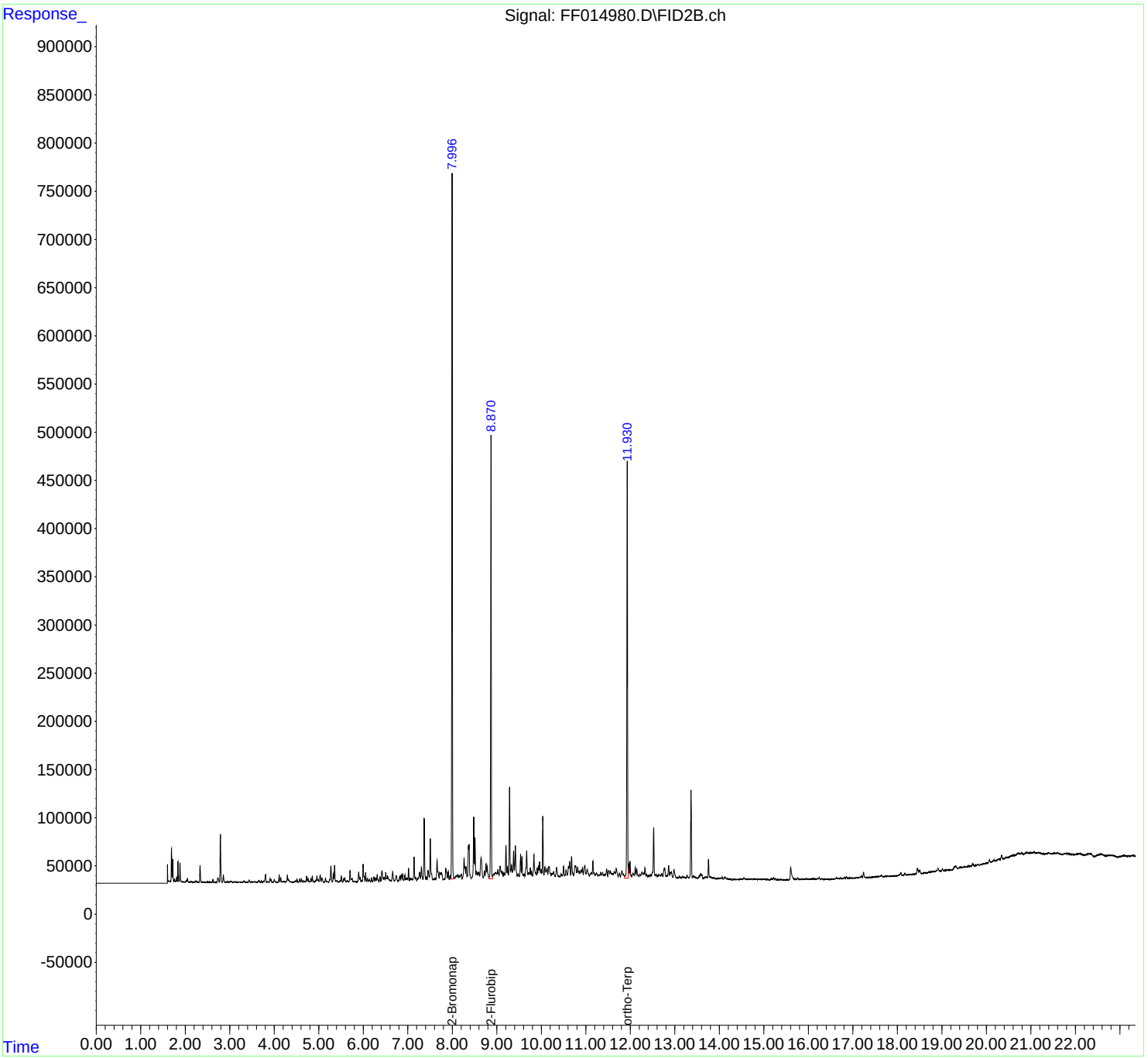
Quantitation Report (QT Reviewed)

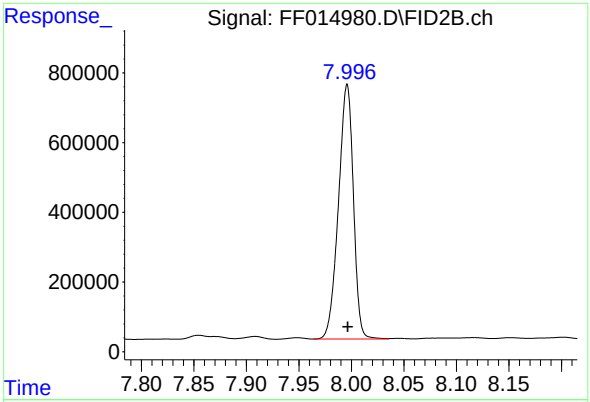
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014980.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:52
Operator : YP\AJ
Sample : P4721-10
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-3

Integration File: autoint1.e
Quant Time: Nov 09 00:28:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

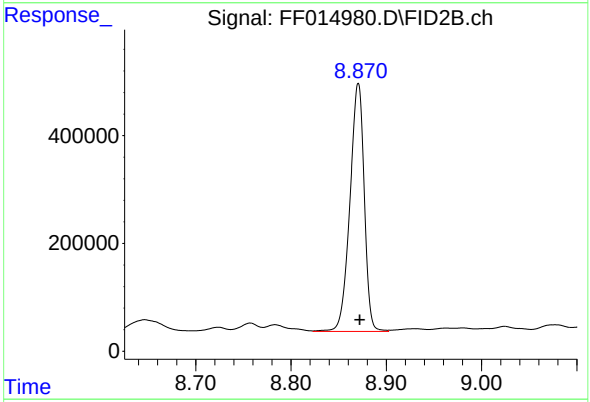




#4 2-Bromonaphthalene (SURR)

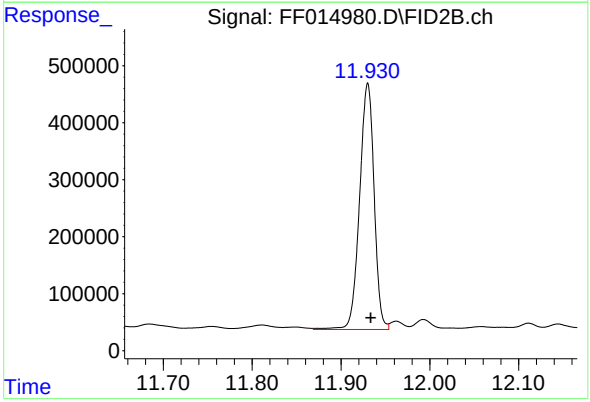
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 7241706
Conc: 54.42 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-3



#6 2-Flurobiphenyl (SURR)

R.T.: 8.870 min
Delta R.T.: -0.002 min
Response: 4814895
Conc: 53.99 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.003 min
Response: 4919018
Conc: 33.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014980.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:52
Sample : P4721-10
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.481	4.400	4.494	BV	1227	13185	0.18%	0.022%
2	4.512	4.494	4.539	VV	2856	29199	0.40%	0.048%
3	4.572	4.539	4.591	PV	3207	34543	0.47%	0.057%
4	4.609	4.591	4.629	VV	3380	32931	0.45%	0.054%
5	4.648	4.629	4.668	VV	1479	15670	0.21%	0.026%
6	4.697	4.668	4.708	PV	988	13661	0.19%	0.023%
7	4.727	4.708	4.745	VV	6299	67300	0.91%	0.111%
8	4.760	4.745	4.781	VV	3500	40416	0.55%	0.067%
9	4.790	4.781	4.804	VV	577	6530	0.09%	0.011%
10	4.823	4.804	4.839	VV	3689	39066	0.53%	0.064%
11	4.856	4.839	4.874	VV	6340	64642	0.88%	0.106%
12	4.881	4.874	4.902	VV	881	8990	0.12%	0.015%
13	4.931	4.902	4.943	VV	2196	27467	0.37%	0.045%
14	4.959	4.943	4.975	VV	6450	69308	0.94%	0.114%
15	4.987	4.975	5.005	VV	2667	29805	0.40%	0.049%
16	5.032	5.005	5.054	VV	7527	106148	1.44%	0.175%
17	5.072	5.054	5.125	VV	4335	68755	0.93%	0.113%
18	5.151	5.125	5.170	VV	4158	42050	0.57%	0.069%
19	5.186	5.170	5.209	VV	1099	14051	0.19%	0.023%
20	5.213	5.209	5.222	VV	351	1892	0.03%	0.003%
21	5.246	5.222	5.255	VV	3023	29965	0.41%	0.049%
22	5.273	5.255	5.304	VV	16811	198233	2.69%	0.326%
23	5.328	5.304	5.341	VV	8221	87964	1.20%	0.145%
24	5.356	5.341	5.376	VV	17639	177056	2.41%	0.292%
25	5.388	5.376	5.402	VV	1717	19083	0.26%	0.031%

rteres

26	5.414	5.402	5.432	VV	1748	17058	0.23%	0.028%
27	5.450	5.432	5.462	PV	395	4518	0.06%	0.007%
28	5.479	5.462	5.492	VV	1260	14872	0.20%	0.024%
29	5.509	5.492	5.540	VV	5876	64128	0.87%	0.106%
30	5.560	5.540	5.572	VV	3687	42121	0.57%	0.069%
31	5.585	5.572	5.605	VV	4550	47757	0.65%	0.079%
32	5.627	5.605	5.636	VV	1267	14931	0.20%	0.025%
33	5.648	5.636	5.663	VV	1580	16351	0.22%	0.027%
34	5.672	5.663	5.680	VV	567	4254	0.06%	0.007%
35	5.702	5.680	5.725	VV	11890	141469	1.92%	0.233%
36	5.750	5.725	5.768	VV	3979	66757	0.91%	0.110%
37	5.779	5.768	5.788	VV	993	10251	0.14%	0.017%
38	5.795	5.788	5.800	VV	890	6335	0.09%	0.010%
39	5.809	5.800	5.827	VV	1054	11263	0.15%	0.019%
40	5.833	5.827	5.849	VV	317	3277	0.04%	0.005%
41	5.897	5.849	5.918	VV	10225	141420	1.92%	0.233%
42	5.930	5.918	5.949	VV	4795	49961	0.68%	0.082%
43	5.966	5.949	5.977	VV	1568	17546	0.24%	0.029%
44	5.997	5.977	6.014	VV	18711	208015	2.83%	0.343%
45	6.019	6.014	6.039	VV	5781	55762	0.76%	0.092%
46	6.053	6.039	6.077	VV	10102	103249	1.40%	0.170%
47	6.094	6.077	6.110	VV	3957	42359	0.58%	0.070%
48	6.139	6.110	6.164	VV	2774	45741	0.62%	0.075%
49	6.188	6.164	6.209	VV	4375	48383	0.66%	0.080%
50	6.239	6.209	6.258	VV	5234	78345	1.06%	0.129%
51	6.275	6.258	6.293	VV	4368	54544	0.74%	0.090%
52	6.312	6.293	6.353	VV	7223	108733	1.48%	0.179%
53	6.375	6.353	6.397	VV	5475	77178	1.05%	0.127%
54	6.418	6.397	6.448	VV	11733	201322	2.74%	0.332%
55	6.462	6.448	6.489	VV	4859	89899	1.22%	0.148%
56	6.505	6.489	6.530	VV	10062	134361	1.83%	0.221%
57	6.547	6.530	6.581	VV	6315	116778	1.59%	0.192%
58	6.590	6.581	6.620	VV	2295	37536	0.51%	0.062%
59	6.660	6.620	6.697	VV	10625	186341	2.53%	0.307%
60	6.741	6.697	6.780	VV	6479	149537	2.03%	0.246%
61	6.820	6.780	6.834	VV	6133	97597	1.33%	0.161%
62	6.852	6.834	6.869	VV	7681	112641	1.53%	0.186%
63	6.886	6.869	6.907	VV	8608	108489	1.47%	0.179%
64	6.934	6.907	6.950	VV	6965	98976	1.34%	0.163%
65	6.962	6.950	6.974	VV	3848	44007	0.60%	0.072%
66	6.987	6.974	7.000	VV	4198	49253	0.67%	0.081%
67	7.017	7.000	7.037	VV	13638	144859	1.97%	0.239%
68	7.056	7.037	7.072	VV	4102	55868	0.76%	0.092%
69	7.093	7.072	7.106	VV	2902	51757	0.70%	0.085%

rteres

70	7.140	7.106	7.165	VV	25920	326709	4.44%	0.538%
71	7.179	7.165	7.202	VV	4635	71768	0.97%	0.118%
72	7.220	7.202	7.231	VV	3681	50109	0.68%	0.083%
73	7.264	7.231	7.284	VV	9762	189820	2.58%	0.313%
74	7.306	7.284	7.340	VV	15450	255608	3.47%	0.421%
75	7.368	7.340	7.402	VV	65725	818975	11.13%	1.349%
76	7.419	7.402	7.434	VV	5340	70797	0.96%	0.117%
77	7.455	7.434	7.483	VV	11817	212029	2.88%	0.349%
78	7.505	7.483	7.530	VV	44725	546155	7.42%	0.900%
79	7.535	7.530	7.569	VV	8348	105156	1.43%	0.173%
80	7.582	7.569	7.592	VV	2751	34451	0.47%	0.057%
81	7.612	7.592	7.628	VV	4054	65567	0.89%	0.108%
82	7.657	7.628	7.702	VV	22128	435734	5.92%	0.718%
83	7.718	7.702	7.728	VV	9403	110028	1.49%	0.181%
84	7.750	7.728	7.758	VV	8714	151517	2.06%	0.250%
85	7.765	7.758	7.793	VV	8363	109849	1.49%	0.181%
86	7.824	7.793	7.834	VV	2825	57383	0.78%	0.095%
87	7.855	7.834	7.866	VV	13660	170320	2.31%	0.281%
88	7.870	7.866	7.889	VV	10054	102957	1.40%	0.170%
89	7.908	7.889	7.928	VV	10483	147771	2.01%	0.243%
90	7.948	7.928	7.964	VV	6600	94047	1.28%	0.155%
91	7.996	7.964	8.035	VV	732807	7360854	100.00%	12.123%
92	8.046	8.035	8.060	VV	4720	60267	0.82%	0.099%
93	8.090	8.060	8.098	VV	5748	116090	1.58%	0.191%
94	8.116	8.098	8.135	VV	6826	131060	1.78%	0.216%
95	8.151	8.135	8.169	VV	6655	113518	1.54%	0.187%
96	8.202	8.169	8.223	VV	8018	185425	2.52%	0.305%
97	8.264	8.223	8.281	VV	23906	408426	5.55%	0.673%
98	8.288	8.281	8.301	VV	14955	152785	2.08%	0.252%
99	8.314	8.301	8.340	VV	15695	216255	2.94%	0.356%
100	8.362	8.340	8.369	VV	37043	375906	5.11%	0.619%
101	8.376	8.369	8.423	VV	38749	494470	6.72%	0.814%
102	8.482	8.423	8.498	VV	67041	906443	12.31%	1.493%
103	8.510	8.498	8.530	VV	45304	507833	6.90%	0.836%
104	8.543	8.530	8.562	VV	10936	172522	2.34%	0.284%
105	8.575	8.562	8.585	VV	9535	111074	1.51%	0.183%
106	8.598	8.585	8.616	VV	9747	149566	2.03%	0.246%
107	8.646	8.616	8.699	VV	24683	647631	8.80%	1.067%
108	8.724	8.699	8.737	VV	10576	169225	2.30%	0.279%
109	8.757	8.737	8.771	VV	18486	258696	3.51%	0.426%
110	8.783	8.771	8.823	VV	15474	297874	4.05%	0.491%
111	8.871	8.823	8.902	VV	463759	4944859	67.18%	8.144%
112	8.930	8.902	8.945	VV	7804	172255	2.34%	0.284%

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113	8.963	8.945	8.972	VV	8996	130845	1.78%	0.216%
114	8.981	8.972	8.994	VV	9375	114460	1.55%	0.189%
115	9.024	8.994	9.052	VV	12260	310926	4.22%	0.512%
116	9.077	9.052	9.095	VV	15164	310533	4.22%	0.511%
117	9.101	9.095	9.117	VV	10691	123394	1.68%	0.203%
118	9.130	9.117	9.145	VV	10166	133759	1.82%	0.220%
119	9.160	9.145	9.178	VV	9059	149288	2.03%	0.246%
120	9.206	9.178	9.227	VV	37546	535277	7.27%	0.882%
121	9.241	9.227	9.262	VV	15264	225684	3.07%	0.372%
122	9.288	9.262	9.310	VV	98077	1161663	15.78%	1.913%
123	9.332	9.310	9.347	VV	16892	286981	3.90%	0.473%
124	9.378	9.347	9.393	VV	31617	480904	6.53%	0.792%
125	9.418	9.393	9.460	VV	36919	668818	9.09%	1.102%
126	9.479	9.460	9.500	VV	7573	152279	2.07%	0.251%
127	9.535	9.500	9.551	VV	28198	426023	5.79%	0.702%
128	9.566	9.551	9.600	VV	25486	371809	5.05%	0.612%
129	9.616	9.600	9.632	VV	7790	123641	1.68%	0.204%
130	9.672	9.632	9.704	VV	31256	624650	8.49%	1.029%
131	9.716	9.704	9.731	VV	9070	134320	1.82%	0.221%
132	9.753	9.731	9.768	VV	13882	222209	3.02%	0.366%
133	9.781	9.768	9.804	VV	10627	165867	2.25%	0.273%
134	9.834	9.804	9.867	VV	27578	537981	7.31%	0.886%
135	9.875	9.867	9.889	VV	8984	102106	1.39%	0.168%
136	9.907	9.889	9.920	VV	13571	194442	2.64%	0.320%
137	9.935	9.920	9.946	VV	15782	196249	2.67%	0.323%
138	9.960	9.946	9.982	VV	20059	310039	4.21%	0.511%
139	9.998	9.982	10.012	VV	12110	186989	2.54%	0.308%
140	10.033	10.012	10.059	VV	67527	812317	11.04%	1.338%
141	10.079	10.059	10.103	VV	14686	293792	3.99%	0.484%
142	10.128	10.103	10.147	VV	12779	277503	3.77%	0.457%
143	10.175	10.147	10.199	VV	15107	372155	5.06%	0.613%
144	10.203	10.199	10.222	VV	8096	99097	1.35%	0.163%
145	10.239	10.222	10.254	VV	8328	141235	1.92%	0.233%
146	10.276	10.254	10.310	VV	10018	249093	3.38%	0.410%
147	10.341	10.310	10.388	VV	14372	387192	5.26%	0.638%
148	10.399	10.388	10.422	VV	5090	94829	1.29%	0.156%
149	10.442	10.422	10.458	VV	7436	129437	1.76%	0.213%
150	10.499	10.458	10.533	VV	15388	366375	4.98%	0.603%
151	10.555	10.533	10.581	VV	11438	243685	3.31%	0.401%
152	10.609	10.581	10.620	VV	15590	252435	3.43%	0.416%
153	10.635	10.620	10.659	VV	20121	324739	4.41%	0.535%
154	10.678	10.659	10.728	VV	25357	488255	6.63%	0.804%
155	10.754	10.728	10.763	VV	15787	242568	3.30%	0.400%

156	10.772	10.763	10.794	VV	15493	237410	3.23%	0.391%
157	10.816	10.794	10.842	VV	14293	315148	4.28%	0.519%
158	10.853	10.842	10.869	VV	10377	152358	2.07%	0.251%
159	10.891	10.869	10.907	VV	11383	223383	3.03%	0.368%
160	10.924	10.907	10.942	VV	13844	225484	3.06%	0.371%
161	10.977	10.942	11.002	VV	16283	421702	5.73%	0.695%
162	11.032	11.002	11.075	VV	11529	382983	5.20%	0.631%
163	11.121	11.075	11.136	VV	8592	260470	3.54%	0.429%
164	11.158	11.136	11.179	VV	20550	320100	4.35%	0.527%
165	11.189	11.179	11.214	VV	7788	142766	1.94%	0.235%
166	11.237	11.214	11.276	VV	8442	249447	3.39%	0.411%
167	11.298	11.276	11.315	VV	6626	136769	1.86%	0.225%
168	11.336	11.315	11.356	VV	8423	173448	2.36%	0.286%
169	11.377	11.356	11.396	VV	8820	168838	2.29%	0.278%
170	11.410	11.396	11.421	VV	6217	87615	1.19%	0.144%
171	11.467	11.421	11.489	VV	12311	331237	4.50%	0.546%
172	11.513	11.489	11.537	VV	10818	247842	3.37%	0.408%
173	11.553	11.537	11.579	VV	10307	215140	2.92%	0.354%
174	11.586	11.579	11.596	VV	7299	72533	0.99%	0.119%
175	11.608	11.596	11.619	VV	7798	99217	1.35%	0.163%
176	11.638	11.619	11.665	VV	9225	230363	3.13%	0.379%
177	11.684	11.665	11.723	VV	12306	308313	4.19%	0.508%
178	11.754	11.723	11.777	VV	8148	196853	2.67%	0.324%
179	11.811	11.777	11.834	VV	10567	256502	3.48%	0.422%
180	11.850	11.834	11.877	VV	6897	148964	2.02%	0.245%
181	11.930	11.877	11.953	VV	435298	5026903	68.29%	8.279%
182	11.962	11.953	11.977	VV	17281	193482	2.63%	0.319%
183	11.993	11.977	12.032	VV	20174	336518	4.57%	0.554%
184	12.058	12.032	12.073	VV	7705	158885	2.16%	0.262%
185	12.082	12.073	12.091	VV	6609	66851	0.91%	0.110%
186	12.111	12.091	12.128	VV	13745	209386	2.84%	0.345%
187	12.144	12.128	12.170	VV	12301	223283	3.03%	0.368%
188	12.177	12.170	12.195	VV	5876	79706	1.08%	0.131%
189	12.214	12.195	12.233	VV	6359	127506	1.73%	0.210%
190	12.260	12.233	12.284	VV	9150	224786	3.05%	0.370%
191	12.300	12.284	12.311	VV	8134	117628	1.60%	0.194%
192	12.329	12.311	12.352	VV	13330	219074	2.98%	0.361%
193	12.365	12.352	12.388	VV	7130	122067	1.66%	0.201%
194	12.401	12.388	12.415	VV	5090	77338	1.05%	0.127%
195	12.435	12.415	12.448	VV	5421	100235	1.36%	0.165%
196	12.463	12.448	12.476	VV	6529	94725	1.29%	0.156%
197	12.497	12.476	12.502	VV	9011	117333	1.59%	0.193%
198	12.525	12.502	12.556	VV	54652	722089	9.81%	1.189%
199	12.578	12.556	12.599	VV	6742	143415	1.95%	0.236%

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200	12.610	12.599	12.624	VV	5176	71404	0.97%	0.118%
201	12.640	12.624	12.670	VV	6308	150777	2.05%	0.248%
202	12.685	12.670	12.694	VV	6015	79925	1.09%	0.132%
203	12.708	12.694	12.732	VV	7267	134370	1.83%	0.221%
204	12.754	12.732	12.761	VV	11533	144472	1.96%	0.238%
205	12.774	12.761	12.801	VV	13429	219193	2.98%	0.361%
206	12.829	12.801	12.839	VV	5168	107658	1.46%	0.177%
207	12.862	12.839	12.882	VV	15527	253411	3.44%	0.417%
208	12.899	12.882	12.910	VV	8731	123463	1.68%	0.203%
209	12.923	12.910	12.957	VV	9089	176150	2.39%	0.290%
210	12.980	12.957	13.029	VV	11577	285743	3.88%	0.471%
211	13.035	13.029	13.057	VV	3028	47776	0.65%	0.079%
212	13.105	13.057	13.125	VV	4565	140334	1.91%	0.231%
213	13.136	13.125	13.151	VV	3244	47015	0.64%	0.077%
214	13.169	13.151	13.184	VV	3838	66098	0.90%	0.109%
215	13.198	13.184	13.219	VV	3649	70650	0.96%	0.116%
216	13.235	13.219	13.255	VV	3179	62674	0.85%	0.103%
217	13.275	13.255	13.325	VV	5589	148046	2.01%	0.244%
218	13.364	13.325	13.395	VV	93340	1224489	16.64%	2.017%
219	13.417	13.395	13.438	VV	4626	99302	1.35%	0.164%
220	13.448	13.438	13.473	VV	3850	70819	0.96%	0.117%
221	13.485	13.473	13.508	VV	2969	53845	0.73%	0.089%
222	13.583	13.508	13.597	VV	7280	233899	3.18%	0.385%
223	13.608	13.597	13.633	VV	6281	95473	1.30%	0.157%
224	13.647	13.633	13.654	VV	2312	27005	0.37%	0.044%
225	13.673	13.654	13.688	VV	3716	60786	0.83%	0.100%
226	13.707	13.688	13.730	VV	3940	81358	1.11%	0.134%
227	13.756	13.730	13.795	VV	21478	316200	4.30%	0.521%
228	13.802	13.795	13.812	VV	3203	31277	0.42%	0.052%
229	13.823	13.812	13.845	VV	3281	54256	0.74%	0.089%
230	13.864	13.845	13.895	VV	3149	71777	0.98%	0.118%
231	13.909	13.895	13.925	VV	1916	32162	0.44%	0.053%
232	13.938	13.925	13.951	VV	1727	24789	0.34%	0.041%
233	13.976	13.951	14.000	VV	2298	55857	0.76%	0.092%
234	14.013	14.000	14.036	VV	2520	46260	0.63%	0.076%
235	14.061	14.036	14.088	VV	3435	72690	0.99%	0.120%
236	14.117	14.088	14.134	VV	3474	66148	0.90%	0.109%
237	14.140	14.134	14.164	VV	2769	38038	0.52%	0.063%
238	14.182	14.164	14.205	VV	1872	36002	0.49%	0.059%
239	14.242	14.205	14.297	VV	1305	52323	0.71%	0.086%
240	14.329	14.297	14.369	VV	1136	38006	0.52%	0.063%
241	14.374	14.369	14.395	VV	769	10960	0.15%	0.018%
242	14.416	14.395	14.434	VV	865	17871	0.24%	0.029%

rteres

243	14.439	14.434	14.442	VV	774	3672	0.05%	0.006%
244	14.452	14.442	14.465	VV	859	10785	0.15%	0.018%
245	14.483	14.465	14.504	VV	1375	22870	0.31%	0.038%
246	14.552	14.504	14.579	VV	2772	66975	0.91%	0.110%
247	14.586	14.579	14.600	VV	1162	13739	0.19%	0.023%
248	14.603	14.600	14.626	VV	993	13562	0.18%	0.022%
249	14.635	14.626	14.659	VV	804	13980	0.19%	0.023%
250	14.681	14.659	14.715	VV	1373	34791	0.47%	0.057%
251	14.734	14.715	14.757	VV	1299	24421	0.33%	0.040%
252	14.780	14.757	14.794	VV	1180	20938	0.28%	0.034%
253	14.810	14.794	14.830	VV	1268	23961	0.33%	0.039%
254	14.842	14.830	14.865	VV	1140	18467	0.25%	0.030%
255	14.877	14.865	14.885	VV	903	9997	0.14%	0.016%
256	14.889	14.885	14.917	VV	865	12752	0.17%	0.021%
257	14.934	14.917	14.951	VV	761	13262	0.18%	0.022%
258	14.970	14.951	14.988	VV	864	17518	0.24%	0.029%
259	14.999	14.988	15.018	VV	1153	16460	0.22%	0.027%
260	15.032	15.018	15.053	VV	876	15241	0.21%	0.025%
261	15.065	15.053	15.134	VV	552	21539	0.29%	0.035%
262	15.188	15.134	15.201	VV	1303	37151	0.50%	0.061%
263	15.220	15.201	15.247	VV	2580	41182	0.56%	0.068%
264	15.265	15.247	15.292	VV	1572	24084	0.33%	0.040%
265	15.317	15.292	15.365	VV	425	13612	0.18%	0.022%
266	15.389	15.365	15.442	VV	732	15445	0.21%	0.025%
267	15.459	15.442	15.487	VV	305	5891	0.08%	0.010%
268	15.515	15.487	15.550	VV	370	6223	0.08%	0.010%
269	15.603	15.550	15.720	PV	12955	318697	4.33%	0.525%
270	15.758	15.720	15.782	VV	2067	41706	0.57%	0.069%
271	15.795	15.782	15.811	VV	529	7740	0.11%	0.013%
272	15.830	15.811	15.846	VV	620	9675	0.13%	0.016%
273	15.868	15.846	15.908	VV	679	18303	0.25%	0.030%
274	15.954	15.908	16.008	VV	996	35117	0.48%	0.058%
275	16.067	16.008	16.080	VV	760	24798	0.34%	0.041%
276	16.099	16.080	16.115	VV	782	14520	0.20%	0.024%
277	16.133	16.115	16.184	VV	794	25841	0.35%	0.043%
278	16.202	16.184	16.220	VV	1115	17974	0.24%	0.030%
279	16.243	16.220	16.272	VV	2459	38594	0.52%	0.064%
280	16.297	16.272	16.365	VV	723	19644	0.27%	0.032%
281	16.380	16.365	16.395	VV	82	1217	0.02%	0.002%
282	16.426	16.395	16.458	PV	222	5139	0.07%	0.008%
283	16.477	16.458	16.484	VV	140	1042	0.01%	0.002%
284	16.553	16.509	16.564	PV	139	2256	0.03%	0.004%
285	16.630	16.564	16.672	PV	1178	30410	0.41%	0.050%

rteres

286	16.681	16.672	16.700	VV	430	6606	0.09%	0.011%
287	16.726	16.700	16.769	VV	798	17598	0.24%	0.029%
288	16.806	16.769	16.830	VV	1475	23026	0.31%	0.038%
289	16.853	16.830	16.902	VV	2051	34460	0.47%	0.057%
290	16.923	16.902	16.947	VV	593	11073	0.15%	0.018%
291	16.958	16.947	16.977	VV	324	4851	0.07%	0.008%
292	17.029	16.977	17.045	VV	368	10324	0.14%	0.017%
293	17.086	17.045	17.109	VV	496	12220	0.17%	0.020%
294	17.116	17.109	17.130	VV	451	4674	0.06%	0.008%
295	17.156	17.130	17.172	VV	997	16089	0.22%	0.026%
296	17.192	17.172	17.215	VV	2357	34498	0.47%	0.057%
297	17.241	17.215	17.287	VV	5750	85729	1.16%	0.141%
298	17.297	17.287	17.320	VV	289	4206	0.06%	0.007%
299	17.340	17.320	17.369	VV	230	3370	0.05%	0.006%
300	17.390	17.369	17.408	VV	124	2879	0.04%	0.005%
301	17.530	17.408	17.551	PV	698	21554	0.29%	0.035%
302	17.578	17.551	17.602	VV	669	17469	0.24%	0.029%
303	17.641	17.602	17.690	VV	1975	39258	0.53%	0.065%
304	17.728	17.690	17.757	VV	509	12178	0.17%	0.020%
305	17.768	17.757	17.775	VV	266	2597	0.04%	0.004%
306	17.802	17.775	17.835	VV	283	7017	0.10%	0.012%
307	17.870	17.835	17.890	PV	253	5300	0.07%	0.009%
308	17.935	17.890	17.952	VV	223	5546	0.08%	0.009%
309	18.078	17.952	18.112	PV	3068	67125	0.91%	0.111%
310	18.127	18.112	18.142	VV	195	2233	0.03%	0.004%
311	18.169	18.142	18.204	VV	2310	34750	0.47%	0.057%
312	18.267	18.204	18.280	VV	223	9184	0.12%	0.015%
313	18.315	18.280	18.327	VV	255	4471	0.06%	0.007%
314	18.359	18.327	18.384	VV	342	7540	0.10%	0.012%
315	18.403	18.384	18.414	PV	399	3679	0.05%	0.006%
316	18.447	18.414	18.485	VV	5925	136268	1.85%	0.224%
317	18.502	18.485	18.542	VV	3348	56210	0.76%	0.093%
318	18.601	18.542	18.620	VV	709	10328	0.14%	0.017%
319	18.630	18.620	18.670	VV	359	5680	0.08%	0.009%
320	18.712	18.670	18.733	PV	618	8478	0.12%	0.014%

Sum of corrected areas: 60715844

Aromatic EPH 110724.M Sat Nov 09 05:40:51 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-4			SDG No.:	P4721
Lab Sample ID:	P4721-11			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.4
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
11/08/24 08:47	11/11/24 10:22	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	46.0		10	4.25	11.2	mg/kg	FG014724.D
Aliphatic C12-C16	Aliphatic C12-C16	69.0		10	2.68	7.45	mg/kg	FG014724.D
Aliphatic C16-C21	Aliphatic C16-C21	8.99		1	0.34	1.12	mg/kg	FG014713.D
Aliphatic C21-C28	Aliphatic C21-C28	1.19	J	1	0.89	1.49	mg/kg	FG014713.D
Aliphatic C28-C40	Aliphatic C28-C40	2.43		1	2.01	2.24	mg/kg	FG014713.D
Aromatic C10-C12	Aromatic C10-C12	10.4		1	0.34	0.75	mg/kg	FF014981.D
Aromatic C12-C16	Aromatic C12-C16	20.8		1	0.38	1.12	mg/kg	FF014981.D
Aromatic C16-C21	Aromatic C16-C21	14.3		1	1.07	1.86	mg/kg	FF014981.D
Aromatic C21-C36	Aromatic C21-C36	2.24	U	1	2.24	2.98	mg/kg	FF014981.D
Total AliphaticEPH	Total AliphaticEPH	128			10.2	23.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	45.5			4.03	6.71	mg/kg	
Total EPH	Total EPH	173			14.2	30.2	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-4		SDG No.:	P4721	
Lab Sample ID:	P4721-11		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.4	
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
FF014981.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.4		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	20.8		0.38	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.3		1.07	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.24	U	2.24	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.6		40 - 140	125%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	60.8		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.1		40 - 140	82%	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:	P4721-11	Acq On:	08 Nov 2024 20:20
Client Sample ID:	EX-9-TPH-4	Operator:	YP\AJ
Data file:	FF014981.D	Misc:	
Instrument:	FID_F	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	21486127	139.006	200	ug/ml
Aromatic C12-C16	6.366	8.961	42875315	279.207	300	ug/ml
Aromatic C16-C21	8.962	13.378	27177959	191.264	500	ug/ml
Aromatic C21-C36	13.379	18.826	3696033	26.775	800	ug/ml
Aromatic EPH	4.496	18.826	95235434	636.253		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	8331128	62.6		ug/ml
2-Flurobiphenyl (SURR)	8.872	8.872	5426343	60.84		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	6054973	41.11		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014981.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 20:20
Operator : YP\AJ
Sample : P4721-11
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-4

Integration File: autoint1.e
Quant Time: Nov 09 00:28:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.996	8331128	62.601 ug/ml
Spiked Amount 50.000		Recovery = 125.20%	
6) S 2-Flurobiphenyl (SURR)	8.872	5426343	60.842 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 121.68%	
11) S ortho-Terphenyl (SURR)	11.932	6054973	41.110 ug/ml
Spiked Amount 50.000		Recovery = 82.22%	
Target Compounds			

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

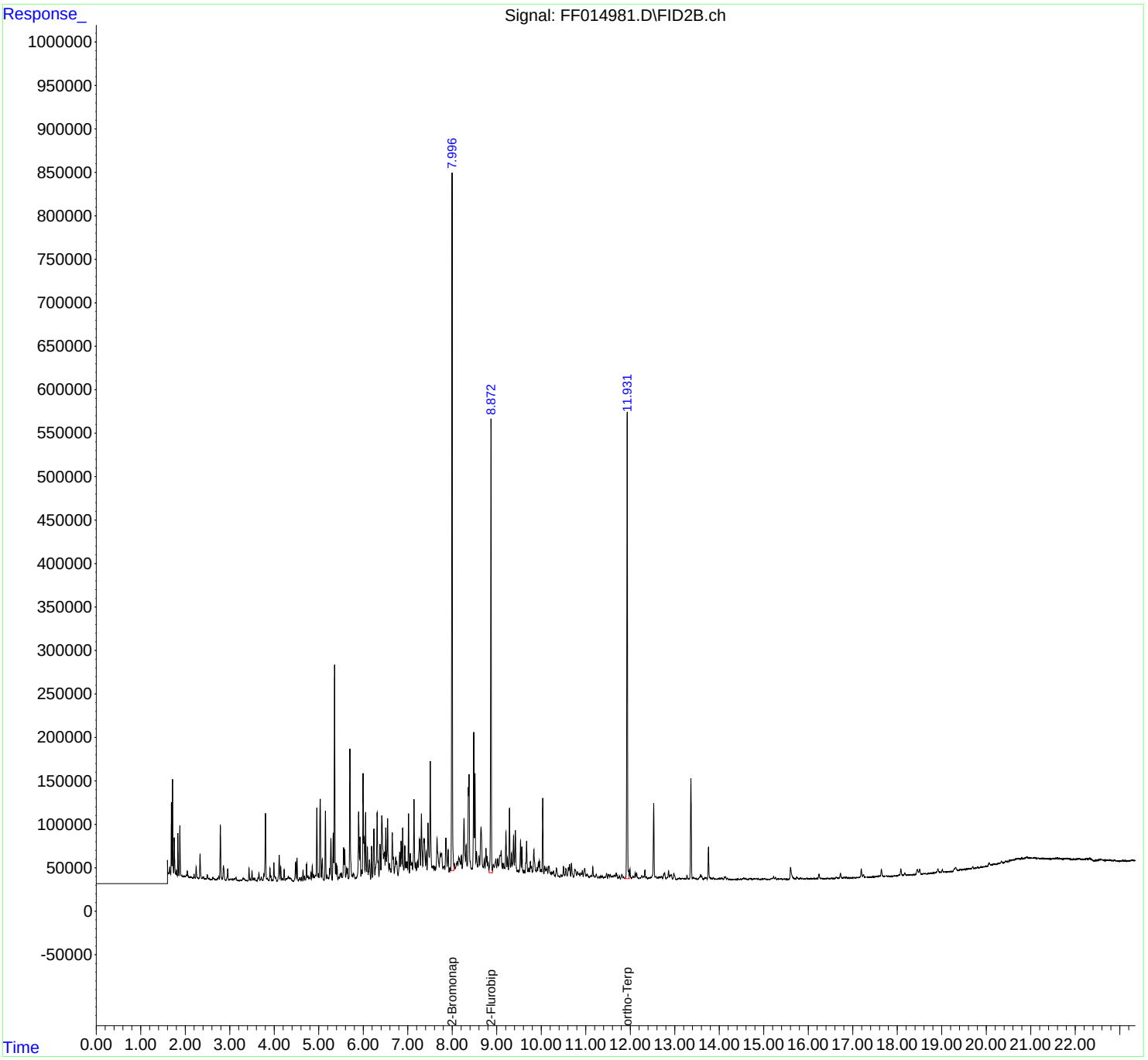
Quantitation Report (QT Reviewed)

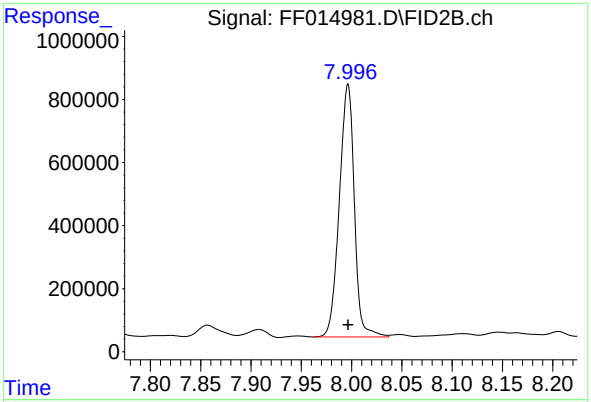
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014981.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 20:20
Operator : YP\AJ
Sample : P4721-11
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-4

Integration File: autoint1.e
Quant Time: Nov 09 00:28:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

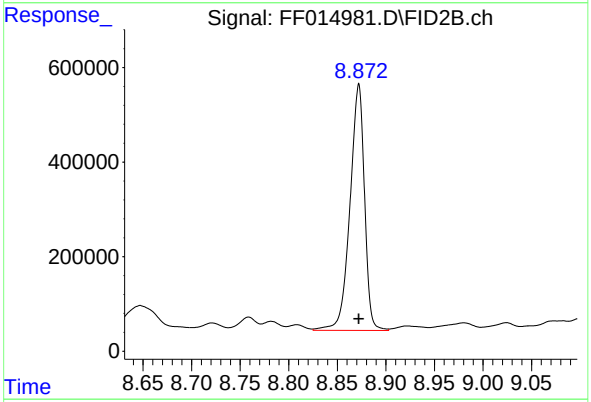




#4 2-Bromonaphthalene (SURR)

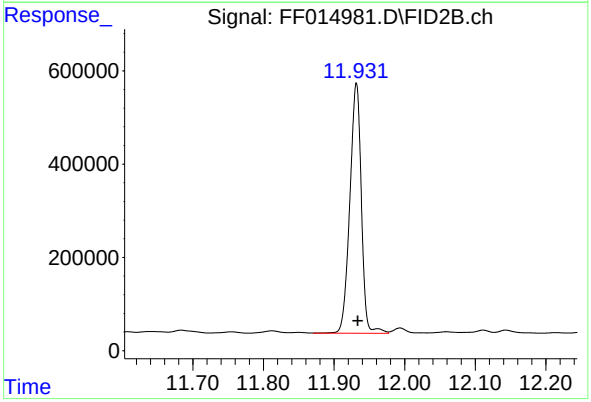
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 8331128
Conc: 62.60 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-4



#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 5426343
Conc: 60.84 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.002 min
Response: 6054973
Conc: 41.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014981.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 20:20
Sample : P4721-11
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.408	4.400	4.429	BV	467	2671	0.03%	0.002%
2	4.480	4.429	4.496	PV	21935	269559	3.04%	0.232%
3	4.512	4.496	4.539	VV	26939	282395	3.19%	0.243%
4	4.572	4.539	4.593	VV	4238	70098	0.79%	0.060%
5	4.609	4.593	4.626	VV	4584	48873	0.55%	0.042%
6	4.648	4.626	4.666	VV	12689	134823	1.52%	0.116%
7	4.681	4.666	4.706	VV	5865	69524	0.78%	0.060%
8	4.726	4.706	4.744	VV	19826	210827	2.38%	0.181%
9	4.759	4.744	4.775	VV	6337	89831	1.01%	0.077%
10	4.785	4.775	4.805	VV	3916	60071	0.68%	0.052%
11	4.825	4.805	4.839	VV	10371	123063	1.39%	0.106%
12	4.855	4.839	4.871	VV	18010	188539	2.13%	0.162%
13	4.881	4.871	4.900	VV	7709	101641	1.15%	0.087%
14	4.932	4.900	4.938	VV	7058	131513	1.48%	0.113%
15	4.958	4.938	4.979	VV	84377	882817	9.97%	0.759%
16	4.990	4.979	5.005	VV	8739	105972	1.20%	0.091%
17	5.033	5.005	5.057	VV	94255	1309752	14.79%	1.127%
18	5.080	5.057	5.120	VV	25484	387893	4.38%	0.334%
19	5.151	5.120	5.172	VV	80842	820303	9.26%	0.706%
20	5.185	5.172	5.203	VV	6887	90444	1.02%	0.078%
21	5.215	5.203	5.227	VV	4287	49547	0.56%	0.043%
22	5.247	5.227	5.257	VV	14759	162337	1.83%	0.140%
23	5.274	5.257	5.302	VV	49289	582317	6.57%	0.501%
24	5.326	5.302	5.338	VV	55417	597155	6.74%	0.514%
25	5.356	5.338	5.377	VV	249810	2490632	28.12%	2.142%

26	5.389	5.377	5.402	VV	20714	222968	2.52%	0.192%
27	5.414	5.402	5.431	VV	16869	171723	1.94%	0.148%
28	5.449	5.431	5.464	VV	4735	69558	0.79%	0.060%
29	5.483	5.464	5.498	VV	8592	138434	1.56%	0.119%
30	5.510	5.498	5.535	VV	9363	138511	1.56%	0.119%
31	5.560	5.535	5.573	VV	38609	459200	5.18%	0.395%
32	5.585	5.573	5.604	VV	36504	399784	4.51%	0.344%
33	5.627	5.604	5.637	VV	15163	193138	2.18%	0.166%
34	5.647	5.637	5.666	VV	14323	155636	1.76%	0.134%
35	5.701	5.666	5.743	VV	151833	1840990	20.79%	1.584%
36	5.753	5.743	5.764	VV	7004	77449	0.87%	0.067%
37	5.778	5.764	5.819	VV	9317	196585	2.22%	0.169%
38	5.835	5.819	5.847	VV	4227	58607	0.66%	0.050%
39	5.897	5.847	5.917	VV	79499	1127436	12.73%	0.970%
40	5.930	5.917	5.949	VV	50942	561671	6.34%	0.483%
41	5.966	5.949	5.977	VV	12770	161773	1.83%	0.139%
42	5.996	5.977	6.013	VV	123001	1416190	15.99%	1.218%
43	6.021	6.013	6.037	VV	50017	521253	5.89%	0.448%
44	6.053	6.037	6.077	VV	78968	866905	9.79%	0.746%
45	6.094	6.077	6.111	VV	38615	433680	4.90%	0.373%
46	6.141	6.111	6.166	VV	24740	441895	4.99%	0.380%
47	6.189	6.166	6.208	VV	40002	447456	5.05%	0.385%
48	6.240	6.208	6.261	VV	60044	876935	9.90%	0.754%
49	6.313	6.261	6.329	VV	78877	1295994	14.63%	1.115%
50	6.335	6.329	6.353	VV	23320	221989	2.51%	0.191%
51	6.376	6.353	6.397	VV	42088	636825	7.19%	0.548%
52	6.418	6.397	6.454	VV	75042	1540127	17.39%	1.325%
53	6.463	6.454	6.469	VV	30970	275617	3.11%	0.237%
54	6.478	6.469	6.490	VV	33693	349218	3.94%	0.300%
55	6.505	6.490	6.521	VV	61345	704619	7.96%	0.606%
56	6.547	6.521	6.577	VV	71901	1171572	13.23%	1.008%
57	6.591	6.577	6.623	VV	20207	404375	4.57%	0.348%
58	6.652	6.623	6.671	VV	55592	873504	9.86%	0.751%
59	6.678	6.671	6.697	VV	27610	300687	3.40%	0.259%
60	6.729	6.697	6.741	VV	27032	478791	5.41%	0.412%
61	6.751	6.741	6.782	VV	22516	364623	4.12%	0.314%
62	6.820	6.782	6.834	VV	33570	605103	6.83%	0.521%
63	6.850	6.834	6.869	VV	45824	677245	7.65%	0.583%
64	6.886	6.869	6.910	VV	60725	828628	9.36%	0.713%
65	6.935	6.910	6.951	VV	40298	612383	6.91%	0.527%
66	6.962	6.951	6.974	VV	22123	257135	2.90%	0.221%
67	6.987	6.974	6.999	VV	22100	280656	3.17%	0.241%
68	7.018	6.999	7.038	VV	77428	883439	9.97%	0.760%
69	7.058	7.038	7.075	VV	31664	484972	5.48%	0.417%

70	7.080	7.075	7.086	VV	19003	119458	1.35%	0.103%
71	7.095	7.086	7.108	VV	20599	241010	2.72%	0.207%
72	7.141	7.108	7.166	VV	93883	1374098	15.51%	1.182%
73	7.179	7.166	7.196	VV	20408	297612	3.36%	0.256%
74	7.216	7.196	7.232	VV	22385	387895	4.38%	0.334%
75	7.265	7.232	7.287	VV	48077	1038809	11.73%	0.894%
76	7.307	7.287	7.338	VV	77266	1280534	14.46%	1.102%
77	7.359	7.338	7.365	VV	47392	584945	6.60%	0.503%
78	7.372	7.365	7.399	VV	48115	703369	7.94%	0.605%
79	7.414	7.399	7.434	VV	33624	509525	5.75%	0.438%
80	7.455	7.434	7.485	VV	66387	1177312	13.29%	1.013%
81	7.506	7.485	7.542	VV	137506	1957869	22.11%	1.684%
82	7.553	7.542	7.567	VV	17025	247261	2.79%	0.213%
83	7.579	7.567	7.594	VV	17468	240883	2.72%	0.207%
84	7.611	7.594	7.627	VV	16391	282507	3.19%	0.243%
85	7.658	7.627	7.706	VV	48947	1289792	14.56%	1.109%
86	7.735	7.706	7.745	VV	31079	615201	6.95%	0.529%
87	7.762	7.745	7.794	VV	32200	691538	7.81%	0.595%
88	7.820	7.794	7.834	VV	16875	372074	4.20%	0.320%
89	7.857	7.834	7.886	VV	49219	939357	10.61%	0.808%
90	7.908	7.886	7.929	VV	35683	603827	6.82%	0.519%
91	7.947	7.929	7.962	VV	15105	267522	3.02%	0.230%
92	7.996	7.962	8.036	VV	815129	8856719	100.00%	7.619%
93	8.048	8.036	8.063	VV	19691	280357	3.17%	0.241%
94	8.110	8.063	8.127	VV	22301	686756	7.75%	0.591%
95	8.146	8.127	8.158	VV	27160	447109	5.05%	0.385%
96	8.164	8.158	8.189	VV	25122	411011	4.64%	0.354%
97	8.206	8.189	8.224	VV	29213	459262	5.19%	0.395%
98	8.264	8.224	8.299	VV	71818	1641299	18.53%	1.412%
99	8.313	8.299	8.331	VV	41396	567143	6.40%	0.488%
100	8.363	8.331	8.369	VV	107485	1166921	13.18%	1.004%
101	8.378	8.369	8.451	VV	122407	1869952	21.11%	1.609%
102	8.484	8.451	8.499	VV	170890	2144263	24.21%	1.845%
103	8.512	8.499	8.531	VV	123544	1354059	15.29%	1.165%
104	8.546	8.531	8.567	VV	33739	553323	6.25%	0.476%
105	8.577	8.567	8.581	VV	18042	150760	1.70%	0.130%
106	8.600	8.581	8.618	VV	28090	505298	5.71%	0.435%
107	8.647	8.618	8.702	VV	61828	1694402	19.13%	1.458%
108	8.721	8.702	8.738	VV	24646	418292	4.72%	0.360%
109	8.759	8.738	8.772	VV	37197	532456	6.01%	0.458%
110	8.782	8.772	8.798	VV	28170	363617	4.11%	0.313%
111	8.808	8.798	8.825	VV	20903	279301	3.15%	0.240%
112	8.872	8.825	8.903	VV	530402	5845896	66.01%	5.029%

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113	8.922	8.903	8.945	VV	18202	397817	4.49%	0.342%
114	8.980	8.945	8.998	VV	24913	638393	7.21%	0.549%
115	9.024	8.998	9.039	VV	25151	487639	5.51%	0.419%
116	9.082	9.039	9.088	VV	29148	698586	7.89%	0.601%
117	9.099	9.088	9.119	VV	33969	497037	5.61%	0.428%
118	9.130	9.119	9.143	VV	19587	247411	2.79%	0.213%
119	9.156	9.143	9.180	VV	19750	361695	4.08%	0.311%
120	9.207	9.180	9.228	VV	56259	863353	9.75%	0.743%
121	9.242	9.228	9.263	VV	26454	420689	4.75%	0.362%
122	9.287	9.263	9.310	VV	83347	1119694	12.64%	0.963%
123	9.333	9.310	9.348	VV	31635	500822	5.65%	0.431%
124	9.378	9.348	9.395	VV	51510	820666	9.27%	0.706%
125	9.419	9.395	9.458	VV	57670	1015061	11.46%	0.873%
126	9.475	9.458	9.497	VV	12143	255583	2.89%	0.220%
127	9.536	9.497	9.552	VV	45796	742358	8.38%	0.639%
128	9.566	9.552	9.602	VV	38859	588081	6.64%	0.506%
129	9.616	9.602	9.632	VV	11898	188265	2.13%	0.162%
130	9.672	9.632	9.700	VV	44624	883442	9.97%	0.760%
131	9.716	9.700	9.733	VV	14600	241186	2.72%	0.207%
132	9.756	9.733	9.770	VV	21419	357556	4.04%	0.308%
133	9.780	9.770	9.804	VV	16623	263951	2.98%	0.227%
134	9.835	9.804	9.871	VV	35648	819011	9.25%	0.705%
135	9.876	9.871	9.888	VV	11520	110101	1.24%	0.095%
136	9.907	9.888	9.919	VV	15110	236683	2.67%	0.204%
137	9.936	9.919	9.947	VV	20843	284899	3.22%	0.245%
138	9.960	9.947	9.982	VV	22630	342794	3.87%	0.295%
139	9.998	9.982	10.012	VV	12819	204158	2.31%	0.176%
140	10.034	10.012	10.059	VV	94761	1117119	12.61%	0.961%
141	10.079	10.059	10.102	VV	16321	322227	3.64%	0.277%
142	10.129	10.102	10.147	VV	14850	333903	3.77%	0.287%
143	10.173	10.147	10.198	VV	16248	394130	4.45%	0.339%
144	10.203	10.198	10.222	VV	9248	122083	1.38%	0.105%
145	10.239	10.222	10.257	VV	9214	169154	1.91%	0.146%
146	10.275	10.257	10.309	VV	10988	247542	2.79%	0.213%
147	10.341	10.309	10.389	VV	14274	394535	4.45%	0.339%
148	10.399	10.389	10.423	VV	5181	89671	1.01%	0.077%
149	10.443	10.423	10.458	VV	6569	113784	1.28%	0.098%
150	10.500	10.458	10.530	VV	15635	340327	3.84%	0.293%
151	10.555	10.530	10.581	VV	13367	269469	3.04%	0.232%
152	10.610	10.581	10.621	VV	14860	240059	2.71%	0.206%
153	10.635	10.621	10.660	VV	18421	293055	3.31%	0.252%
154	10.679	10.660	10.727	VV	19708	375398	4.24%	0.323%
155	10.754	10.727	10.794	VV	12879	362899	4.10%	0.312%

156	10.816	10.794	10.842	VV	10165	225305	2.54%	0.194%
157	10.852	10.842	10.869	VV	7434	105948	1.20%	0.091%
158	10.891	10.869	10.907	VV	8157	160964	1.82%	0.138%
159	10.924	10.907	10.942	VV	11263	174608	1.97%	0.150%
160	10.977	10.942	11.002	VV	13718	333139	3.76%	0.287%
161	11.033	11.002	11.054	VV	7091	181720	2.05%	0.156%
162	11.057	11.054	11.077	VV	4850	54567	0.62%	0.047%
163	11.122	11.077	11.136	VV	5727	158359	1.79%	0.136%
164	11.158	11.136	11.209	VV	15339	303222	3.42%	0.261%
165	11.235	11.209	11.276	VV	6794	183703	2.07%	0.158%
166	11.298	11.276	11.315	VV	4263	82777	0.93%	0.071%
167	11.336	11.315	11.357	VV	4851	103114	1.16%	0.089%
168	11.376	11.357	11.396	VV	4678	89488	1.01%	0.077%
169	11.417	11.396	11.422	VV	3382	48429	0.55%	0.042%
170	11.468	11.422	11.490	VV	7921	191341	2.16%	0.165%
171	11.517	11.490	11.535	VV	6725	143079	1.62%	0.123%
172	11.552	11.535	11.577	VV	6787	129307	1.46%	0.111%
173	11.587	11.577	11.594	VV	4199	42264	0.48%	0.036%
174	11.608	11.594	11.620	VV	5051	68543	0.77%	0.059%
175	11.638	11.620	11.665	VV	5526	131138	1.48%	0.113%
176	11.683	11.665	11.724	VV	8405	191428	2.16%	0.165%
177	11.754	11.724	11.780	VV	4858	109052	1.23%	0.094%
178	11.812	11.780	11.836	VV	6980	144117	1.63%	0.124%
179	11.851	11.836	11.877	VV	3718	70940	0.80%	0.061%
180	11.932	11.877	11.955	VV	537984	6041299	68.21%	5.197%
181	11.962	11.955	11.977	VV	11534	120393	1.36%	0.104%
182	11.993	11.977	12.032	VV	13170	199912	2.26%	0.172%
183	12.060	12.032	12.077	VV	4967	101068	1.14%	0.087%
184	12.111	12.077	12.127	VV	8552	153677	1.74%	0.132%
185	12.143	12.127	12.195	VV	8493	171908	1.94%	0.148%
186	12.214	12.195	12.232	VV	2894	55155	0.62%	0.047%
187	12.261	12.232	12.283	VV	5299	118250	1.34%	0.102%
188	12.300	12.283	12.310	VV	4614	63172	0.71%	0.054%
189	12.329	12.310	12.351	VV	11628	162844	1.84%	0.140%
190	12.365	12.351	12.387	VV	4021	63872	0.72%	0.055%
191	12.406	12.387	12.416	VV	2498	38541	0.44%	0.033%
192	12.435	12.416	12.447	VV	2947	48706	0.55%	0.042%
193	12.464	12.447	12.477	VV	3703	53955	0.61%	0.046%
194	12.528	12.477	12.560	VV	87979	1160061	13.10%	0.998%
195	12.576	12.560	12.596	VV	4227	77162	0.87%	0.066%
196	12.610	12.596	12.625	VV	3278	48364	0.55%	0.042%
197	12.641	12.625	12.674	VV	3838	91837	1.04%	0.079%
198	12.688	12.674	12.695	VV	3693	43869	0.50%	0.038%
199	12.707	12.695	12.730	VV	4306	68439	0.77%	0.059%

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200	12.754	12.730	12.762	VV	7450	94871	1.07%	0.082%
201	12.773	12.762	12.803	VV	8314	127247	1.44%	0.109%
202	12.862	12.803	12.882	VV	10741	214587	2.42%	0.185%
203	12.899	12.882	12.908	VV	5558	73635	0.83%	0.063%
204	12.922	12.908	12.959	VV	6482	117347	1.32%	0.101%
205	12.980	12.959	13.026	VV	7941	170098	1.92%	0.146%
206	13.035	13.026	13.050	VV	1099	14296	0.16%	0.012%
207	13.079	13.050	13.090	VV	1766	31588	0.36%	0.027%
208	13.105	13.090	13.121	VV	2293	34326	0.39%	0.030%
209	13.139	13.121	13.154	VV	1873	30767	0.35%	0.026%
210	13.170	13.154	13.186	VV	2316	37483	0.42%	0.032%
211	13.195	13.186	13.215	VV	1771	28241	0.32%	0.024%
212	13.223	13.215	13.251	VV	1578	28756	0.32%	0.025%
213	13.276	13.251	13.300	VV	5597	79701	0.90%	0.069%
214	13.308	13.300	13.321	VV	1454	18153	0.20%	0.016%
215	13.364	13.321	13.394	VV	116927	1434657	16.20%	1.234%
216	13.413	13.394	13.437	VV	2913	59501	0.67%	0.051%
217	13.450	13.437	13.475	VV	2101	40024	0.45%	0.034%
218	13.483	13.475	13.506	VV	1677	22754	0.26%	0.020%
219	13.583	13.506	13.599	VV	6254	159560	1.80%	0.137%
220	13.608	13.599	13.635	VV	4432	59395	0.67%	0.051%
221	13.645	13.635	13.657	VV	996	11882	0.13%	0.010%
222	13.676	13.657	13.692	VV	2983	44168	0.50%	0.038%
223	13.706	13.692	13.729	VV	2993	48631	0.55%	0.042%
224	13.757	13.729	13.810	VV	37584	480928	5.43%	0.414%
225	13.825	13.810	13.842	VV	2136	34342	0.39%	0.030%
226	13.863	13.842	13.893	VV	2797	53910	0.61%	0.046%
227	13.913	13.893	13.922	VV	1118	18218	0.21%	0.016%
228	13.937	13.922	13.953	VV	1331	17864	0.20%	0.015%
229	13.977	13.953	13.994	VV	1741	31801	0.36%	0.027%
230	14.013	13.994	14.030	VV	2485	37591	0.42%	0.032%
231	14.060	14.030	14.087	VV	2368	55060	0.62%	0.047%
232	14.118	14.087	14.130	VV	3355	50006	0.56%	0.043%
233	14.142	14.130	14.164	VV	3556	48032	0.54%	0.041%
234	14.182	14.164	14.202	VV	2243	32049	0.36%	0.028%
235	14.226	14.202	14.264	VV	791	22718	0.26%	0.020%
236	14.273	14.264	14.296	VV	420	4721	0.05%	0.004%
237	14.327	14.296	14.394	PV	783	26549	0.30%	0.023%
238	14.416	14.394	14.440	VV	829	15369	0.17%	0.013%
239	14.452	14.440	14.465	VV	539	6667	0.08%	0.006%
240	14.484	14.465	14.501	VV	1117	16500	0.19%	0.014%
241	14.554	14.501	14.587	VV	2069	60538	0.68%	0.052%
242	14.598	14.587	14.622	VV	1135	18329	0.21%	0.016%

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243	14.636	14.622	14.650	VV	485	8225	0.09%	0.007%
244	14.681	14.650	14.719	VV	1685	42520	0.48%	0.037%
245	14.731	14.719	14.759	VV	1015	17691	0.20%	0.015%
246	14.781	14.759	14.792	VV	1208	17666	0.20%	0.015%
247	14.808	14.792	14.826	VV	1364	20953	0.24%	0.018%
248	14.844	14.826	14.862	VV	1578	22483	0.25%	0.019%
249	14.874	14.862	14.918	VV	868	17094	0.19%	0.015%
250	14.967	14.918	14.989	VV	771	20690	0.23%	0.018%
251	15.015	14.989	15.047	VV	1129	28121	0.32%	0.024%
252	15.062	15.047	15.134	VV	522	17185	0.19%	0.015%
253	15.156	15.134	15.169	VV	912	12637	0.14%	0.011%
254	15.192	15.169	15.204	VV	1531	24422	0.28%	0.021%
255	15.221	15.204	15.244	VV	3238	47040	0.53%	0.040%
256	15.265	15.244	15.290	VV	2741	36012	0.41%	0.031%
257	15.312	15.290	15.342	VV	690	14660	0.17%	0.013%
258	15.357	15.342	15.374	VV	590	8700	0.10%	0.007%
259	15.389	15.374	15.424	VV	735	14187	0.16%	0.012%
260	15.463	15.424	15.495	VV	686	13195	0.15%	0.011%
261	15.510	15.495	15.542	PV	287	3461	0.04%	0.003%
262	15.603	15.542	15.715	PV	13516	332096	3.75%	0.286%
263	15.743	15.715	15.779	VV	2393	53145	0.60%	0.046%
264	15.786	15.779	15.804	VV	625	7669	0.09%	0.007%
265	15.828	15.804	15.849	VV	1500	22294	0.25%	0.019%
266	15.865	15.849	15.893	VV	907	15605	0.18%	0.013%
267	15.952	15.893	15.981	VV	759	23240	0.26%	0.020%
268	15.995	15.981	16.035	VV	713	13772	0.16%	0.012%
269	16.062	16.035	16.080	VV	589	10842	0.12%	0.009%
270	16.128	16.080	16.145	VV	520	16862	0.19%	0.015%
271	16.158	16.145	16.177	VV	519	7376	0.08%	0.006%
272	16.202	16.177	16.217	VV	858	13388	0.15%	0.012%
273	16.242	16.217	16.282	VV	5666	86032	0.97%	0.074%
274	16.301	16.282	16.324	VV	714	12520	0.14%	0.011%
275	16.333	16.324	16.359	VV	199	2603	0.03%	0.002%
276	16.373	16.359	16.387	PV	84	1161	0.01%	0.001%
277	16.425	16.387	16.451	PV	525	10032	0.11%	0.009%
278	16.464	16.451	16.484	VV	323	4270	0.05%	0.004%
279	16.529	16.484	16.562	VV	358	8365	0.09%	0.007%
280	16.577	16.562	16.598	PV	267	3606	0.04%	0.003%
281	16.631	16.598	16.664	VV	1553	30231	0.34%	0.026%
282	16.726	16.664	16.777	VV	5953	103414	1.17%	0.089%
283	16.806	16.777	16.832	VV	1302	21466	0.24%	0.018%
284	16.853	16.832	16.908	VV	1570	25150	0.28%	0.022%
285	16.923	16.908	16.982	VV	296	6686	0.08%	0.006%

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286	17.032	16.982	17.052	PV	640	10164	0.11%	0.009%
287	17.088	17.052	17.125	PV	566	8319	0.09%	0.007%
288	17.193	17.125	17.220	VV	9781	157908	1.78%	0.136%
289	17.241	17.220	17.310	VV	3368	65134	0.74%	0.056%
290	17.333	17.310	17.367	VV	270	6698	0.08%	0.006%
291	17.388	17.367	17.412	VV	238	4232	0.05%	0.004%
292	17.441	17.412	17.474	VV	447	9839	0.11%	0.008%
293	17.529	17.474	17.549	VV	589	13879	0.16%	0.012%
294	17.587	17.549	17.602	VV	938	18941	0.21%	0.016%
295	17.644	17.602	17.710	VV	8080	151171	1.71%	0.130%
296	17.733	17.710	17.747	VV	671	12122	0.14%	0.010%
297	17.754	17.747	17.783	VV	574	9548	0.11%	0.008%
298	17.806	17.783	17.840	VV	349	7387	0.08%	0.006%
299	17.871	17.840	17.890	VV	162	3470	0.04%	0.003%
300	17.929	17.890	17.959	PV	323	5610	0.06%	0.005%
301	18.081	17.959	18.142	PV	7782	148614	1.68%	0.128%
302	18.170	18.142	18.200	VV	3316	49051	0.55%	0.042%
303	18.228	18.200	18.247	VV	445	8780	0.10%	0.008%
304	18.264	18.247	18.283	VV	507	7635	0.09%	0.007%
305	18.312	18.283	18.330	VV	475	9116	0.10%	0.008%
306	18.358	18.330	18.377	VV	607	10545	0.12%	0.009%
307	18.398	18.377	18.414	PV	359	4953	0.06%	0.004%
308	18.448	18.414	18.481	VV	5902	135439	1.53%	0.117%
309	18.504	18.481	18.544	VV	6115	109931	1.24%	0.095%
310	18.558	18.544	18.572	VV	303	4146	0.05%	0.004%
311	18.599	18.572	18.619	VV	950	14532	0.16%	0.013%
312	18.629	18.619	18.667	VV	384	5630	0.06%	0.005%
313	18.712	18.667	18.735	PV	508	7365	0.08%	0.006%

Sum of corrected areas: 116251570

Aromatic EPH 110724.M Sat Nov 09 05:41:07 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-4		SDG No.:	P4721	
Lab Sample ID:	P4721-11		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.4	
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
FG014713.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	44.6	E	0.43	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	67.5	E	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.99		0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.19	J	0.89	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.43		2.01	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.0		40 - 140	84%	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:	P4721-11	Acq On:	08 Nov 2024 16:34
Client Sample ID:	EX-9-TPH-4	Operator:	YP\AJ
Data file:	FG014713.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.844	78571995	598.228	300	ug/ml
Aliphatic C12-C16	6.845	10.289	123016591	905.72	200	ug/ml
Aliphatic C16-C21	10.290	13.661	17037426	120.618	300	ug/ml
Aliphatic C21-C28	13.662	17.327	2241040	15.941	400	ug/ml
Aliphatic C28-C40	17.328	22.264	3453190	32.674	600	ug/ml
Aliphatic EPH	3.223	22.264	224320242	1670		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.395	13.395	5162691	42.04		ug/ml
Aliphatic C9-C28	3.223	17.327	220867052	1640	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014713.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:34
Operator : YP\AJ
Sample : P4721-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4

Integration File: autoint1.e
Quant Time: Nov 09 03:41:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.395	5162691	42.045 ug/ml
Spiked Amount 50.000		Recovery = 84.09%	
Target Compounds			

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

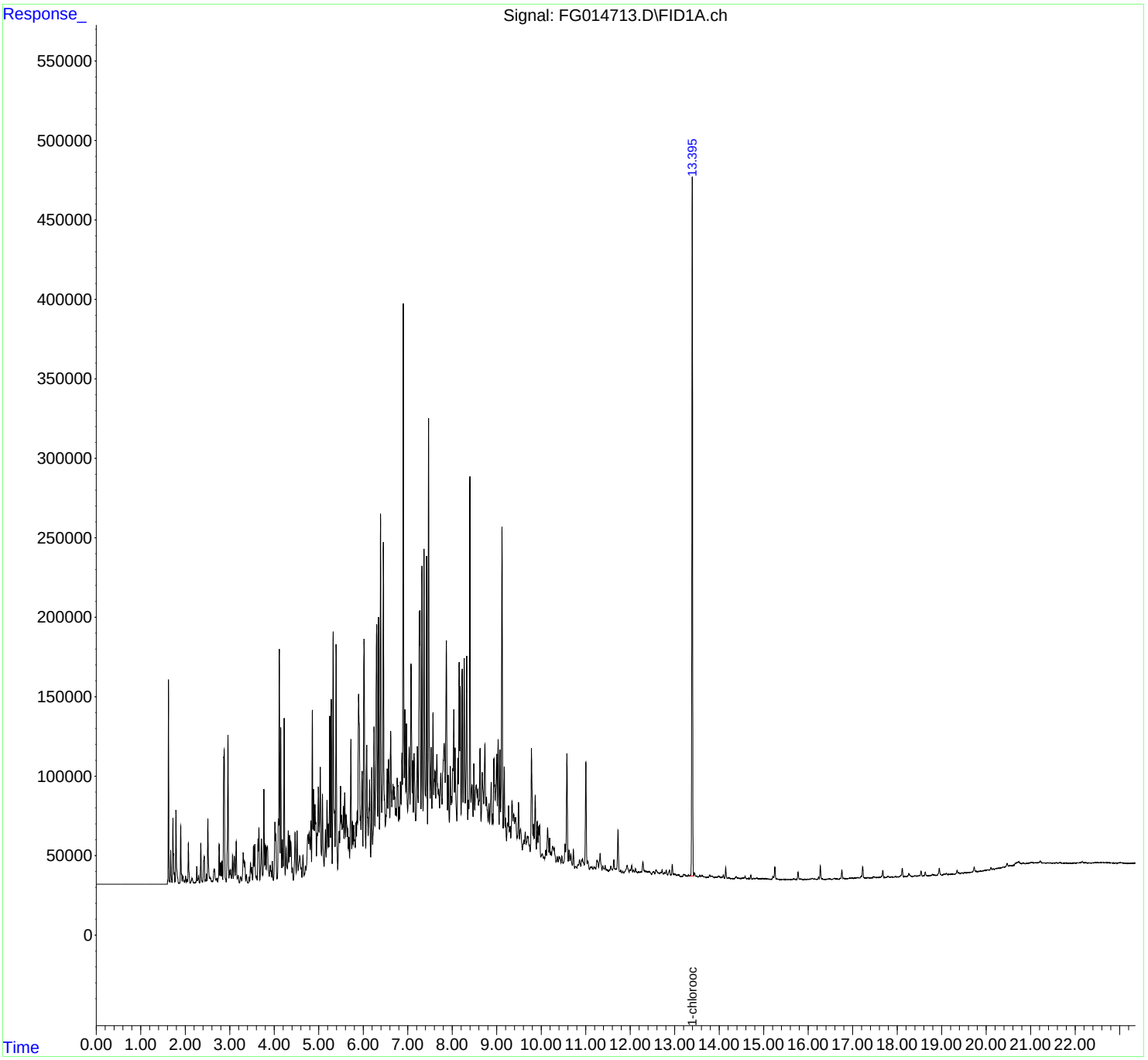
Quantitation Report (QT Reviewed)

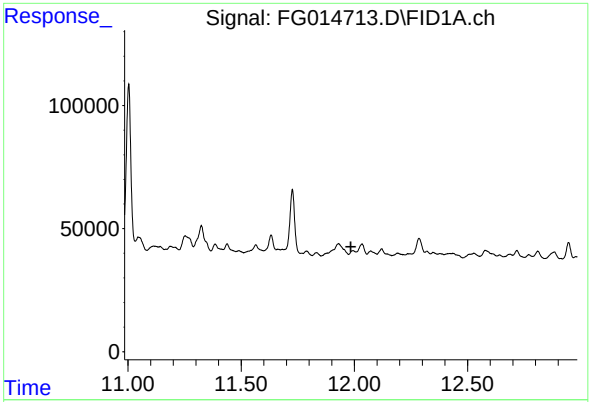
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014713.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:34
Operator : YP\AJ
Sample : P4721-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4

Integration File: autoint1.e
Quant Time: Nov 09 03:41:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

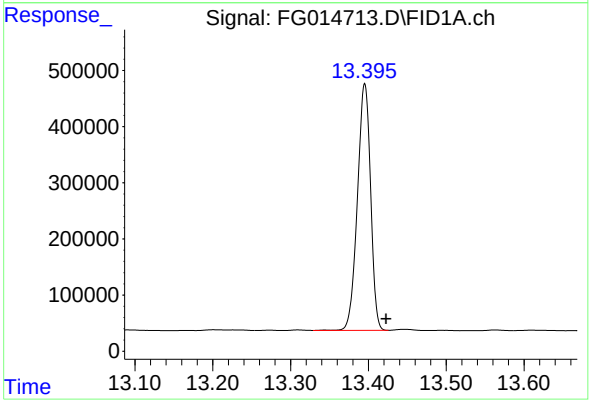




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.395 min
Delta R.T.: -0.027 min
Response: 5162691
Conc: 42.04 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014713.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:34
Sample : P4721-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	2.659	2.601	2.693	BV	7489	160573	2.78%	0.069%
2	2.709	2.693	2.728	VV	2083	25062	0.43%	0.011%
3	2.763	2.728	2.778	PV	23526	252978	4.39%	0.108%
4	2.795	2.778	2.811	VV	12261	162790	2.82%	0.070%
5	2.825	2.811	2.842	VV	13299	145950	2.53%	0.062%
6	2.874	2.842	2.921	VV	83583	1429410	24.78%	0.611%
7	2.961	2.921	2.984	VV	92496	1113615	19.30%	0.476%
8	3.017	2.984	3.040	VV	8061	183758	3.19%	0.079%
9	3.063	3.040	3.080	VV	17213	208312	3.61%	0.089%
10	3.104	3.080	3.122	VV	16669	261864	4.54%	0.112%
11	3.145	3.122	3.170	VV	25780	349939	6.07%	0.150%
12	3.188	3.170	3.217	VV	4728	71235	1.23%	0.030%
13	3.243	3.217	3.269	PV	4002	68918	1.19%	0.029%
14	3.303	3.269	3.359	VV	19316	525710	9.11%	0.225%
15	3.375	3.359	3.412	VV	5369	73164	1.27%	0.031%
16	3.437	3.412	3.449	PV	3889	40882	0.71%	0.017%
17	3.468	3.449	3.482	VV	12642	152576	2.64%	0.065%
18	3.493	3.482	3.513	VV	10084	122917	2.13%	0.053%
19	3.534	3.513	3.548	VV	22958	267417	4.64%	0.114%
20	3.563	3.548	3.595	VV	24465	339970	5.89%	0.145%
21	3.604	3.595	3.616	VV	4409	43870	0.76%	0.019%
22	3.636	3.616	3.644	VV	27625	271784	4.71%	0.116%
23	3.656	3.644	3.678	VV	34918	398032	6.90%	0.170%
24	3.713	3.678	3.738	VV	27722	473409	8.21%	0.202%
25	3.768	3.738	3.788	VV	58695	721037	12.50%	0.308%
26	3.804	3.788	3.818	VV	23813	297389	5.16%	0.127%
27	3.847	3.818	3.887	VV	23184	589474	10.22%	0.252%
28	3.909	3.887	3.941	VV	11136	240553	4.17%	0.103%
29	3.956	3.941	3.980	VV	13628	164215	2.85%	0.070%
30	4.016	3.980	4.064	VV	38260	878766	15.23%	0.376%
31	4.114	4.064	4.131	VV	146514	1935533	33.55%	0.827%
32	4.146	4.131	4.167	VV	97346	1079039	18.71%	0.461%
33	4.183	4.167	4.201	VV	27193	371162	6.43%	0.159%
34	4.224	4.201	4.247	VV	103519	1177716	20.42%	0.503%
35	4.267	4.247	4.298	VV	22012	395125	6.85%	0.169%
36	4.316	4.298	4.331	VV	32842	409918	7.11%	0.175%

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37	4.345	4.331	4.358	VV	29989	365968	6.34%	0.156%
38	4.373	4.358	4.430	VV	25963	565269	9.80%	0.242%
39	4.469	4.430	4.494	VV	31791	558049	9.67%	0.238%
40	4.514	4.494	4.539	VV	32695	486436	8.43%	0.208%
41	4.574	4.539	4.623	VV	16796	556881	9.65%	0.238%
42	4.646	4.623	4.669	VV	17208	271731	4.71%	0.116%
43	4.703	4.669	4.715	VV	10167	200059	3.47%	0.085%
44	4.758	4.715	4.773	VV	30153	719042	12.46%	0.307%
45	4.786	4.773	4.807	VV	31444	555555	9.63%	0.237%
46	4.823	4.807	4.838	VV	39148	527059	9.14%	0.225%
47	4.857	4.838	4.872	VV	108738	1184845	20.54%	0.506%
48	4.882	4.872	4.901	VV	58911	799870	13.87%	0.342%
49	4.916	4.901	4.950	VV	49251	1082598	18.77%	0.463%
50	4.992	4.950	5.010	VV	60405	1330343	23.06%	0.568%
51	5.035	5.010	5.065	VV	72681	1316203	22.82%	0.562%
52	5.084	5.065	5.120	VV	55563	929381	16.11%	0.397%
53	5.151	5.120	5.167	VV	33403	600006	10.40%	0.256%
54	5.187	5.167	5.206	VV	51477	779179	13.51%	0.333%
55	5.218	5.206	5.229	VV	36993	407685	7.07%	0.174%
56	5.249	5.229	5.265	VV	104720	1319857	22.88%	0.564%
57	5.282	5.265	5.303	VV	115990	1363572	23.64%	0.583%
58	5.325	5.303	5.368	VV	157569	2496363	43.27%	1.067%
59	5.391	5.368	5.427	VV	149578	2027190	35.14%	0.866%
60	5.460	5.427	5.471	VV	32459	605202	10.49%	0.259%
61	5.491	5.471	5.526	VV	60688	1381449	23.95%	0.590%
62	5.554	5.526	5.568	VV	48203	975917	16.92%	0.417%
63	5.584	5.568	5.602	VV	56516	862661	14.95%	0.369%
64	5.618	5.602	5.641	VV	42328	855209	14.83%	0.365%
65	5.651	5.641	5.666	VV	33937	436758	7.57%	0.187%
66	5.679	5.666	5.695	VV	28499	407574	7.07%	0.174%
67	5.723	5.695	5.743	VV	90327	1370235	23.75%	0.586%
68	5.758	5.743	5.773	VV	38229	547817	9.50%	0.234%
69	5.788	5.773	5.820	VV	36118	800728	13.88%	0.342%
70	5.839	5.820	5.850	VV	37611	565473	9.80%	0.242%
71	5.897	5.850	5.949	VV	117829	3748076	64.97%	1.602%
72	5.975	5.949	5.992	VV	70133	1235985	21.43%	0.528%
73	6.019	5.992	6.056	VV	152842	2984033	51.73%	1.275%
74	6.079	6.056	6.112	VV	85990	1649111	28.59%	0.705%
75	6.144	6.112	6.168	VV	64629	1384093	23.99%	0.591%
76	6.192	6.168	6.212	VV	72324	1063426	18.43%	0.454%
77	6.244	6.212	6.263	VV	97399	1620480	28.09%	0.692%
78	6.302	6.263	6.324	VV	161184	3397329	58.89%	1.452%
79	6.344	6.324	6.366	VV	166828	2242988	38.88%	0.958%
80	6.390	6.366	6.417	VV	229661	3234848	56.08%	1.382%
81	6.453	6.417	6.498	VV	213737	4036649	69.98%	1.725%
82	6.539	6.498	6.555	VV	71219	1739218	30.15%	0.743%
83	6.570	6.555	6.598	VV	76873	1546275	26.80%	0.661%
84	6.617	6.598	6.644	VV	95221	1843726	31.96%	0.788%
85	6.668	6.644	6.680	VV	61769	1231293	21.34%	0.526%
86	6.692	6.680	6.726	VV	60167	1448404	25.11%	0.619%
87	6.736	6.726	6.747	VV	45483	567224	9.83%	0.242%
88	6.765	6.747	6.795	VV	65503	1569754	27.21%	0.671%
89	6.805	6.795	6.817	VV	46992	567799	9.84%	0.243%

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90	6.837	6.817	6.853	VV	62848	1170544	20.29%	0.500%
91	6.900	6.853	6.923	VV	363648	5768695	100.00%	2.465%
92	6.936	6.923	6.957	VV	107849	1679145	29.11%	0.718%
93	6.972	6.957	6.999	VV	99774	1688935	29.28%	0.722%
94	7.032	6.999	7.051	VV	84609	1964645	34.06%	0.840%
95	7.075	7.051	7.101	VV	137226	2670912	46.30%	1.141%
96	7.111	7.101	7.125	VV	76606	924108	16.02%	0.395%
97	7.142	7.125	7.179	VV	80881	1935356	33.55%	0.827%
98	7.217	7.179	7.235	VV	84882	2006171	34.78%	0.857%
99	7.276	7.235	7.298	VV	172647	4334743	75.14%	1.852%
100	7.321	7.298	7.344	VV	199067	2846460	49.34%	1.216%
101	7.366	7.344	7.400	VV	209400	3466526	60.09%	1.481%
102	7.424	7.400	7.445	VV	204790	2803150	48.59%	1.198%
103	7.468	7.445	7.505	VV	291028	4510216	78.18%	1.927%
104	7.524	7.505	7.543	VV	85005	1495809	25.93%	0.639%
105	7.568	7.543	7.586	VV	106400	1867649	32.38%	0.798%
106	7.613	7.586	7.629	VV	69974	1627564	28.21%	0.696%
107	7.655	7.629	7.685	VV	80208	2197925	38.10%	0.939%
108	7.695	7.685	7.716	VV	58384	991067	17.18%	0.424%
109	7.743	7.716	7.771	VV	68418	1886657	32.71%	0.806%
110	7.819	7.771	7.843	VV	87073	3169874	54.95%	1.355%
111	7.868	7.843	7.895	VV	151351	2998172	51.97%	1.281%
112	7.911	7.895	7.935	VV	67307	1272155	22.05%	0.544%
113	7.957	7.935	7.975	VV	72804	1326819	23.00%	0.567%
114	7.985	7.975	7.993	VV	53805	572802	9.93%	0.245%
115	8.036	7.993	8.052	VV	107962	2647194	45.89%	1.131%
116	8.065	8.052	8.104	VV	84235	1842834	31.95%	0.787%
117	8.126	8.104	8.137	VV	77757	1172572	20.33%	0.501%
118	8.156	8.137	8.169	VV	137971	1973710	34.21%	0.843%
119	8.181	8.169	8.201	VV	122743	1602931	27.79%	0.685%
120	8.224	8.201	8.245	VV	133887	2181157	37.81%	0.932%
121	8.270	8.245	8.293	VV	140978	2491325	43.19%	1.065%
122	8.326	8.293	8.349	VV	141468	2698959	46.79%	1.153%
123	8.366	8.349	8.374	VV	51561	702734	12.18%	0.300%
124	8.398	8.374	8.423	VV	254500	3458574	59.95%	1.478%
125	8.444	8.423	8.469	VV	60949	1486979	25.78%	0.635%
126	8.487	8.469	8.506	VV	73725	1260703	21.85%	0.539%
127	8.538	8.506	8.562	VV	60907	1884032	32.66%	0.805%
128	8.576	8.562	8.591	VV	58195	935380	16.21%	0.400%
129	8.625	8.591	8.649	VV	83878	1979920	34.32%	0.846%
130	8.674	8.649	8.708	VV	68802	1949278	33.79%	0.833%
131	8.735	8.708	8.758	VV	86514	1979078	34.31%	0.846%
132	8.771	8.758	8.807	VV	53174	1355928	23.50%	0.579%
133	8.826	8.807	8.842	VV	49082	898574	15.58%	0.384%
134	8.877	8.842	8.896	VV	62822	1597059	27.68%	0.682%
135	8.907	8.896	8.918	VV	42496	515620	8.94%	0.220%
136	8.938	8.918	8.967	VV	77201	1708734	29.62%	0.730%
137	9.000	8.967	9.015	VV	80583	1845686	31.99%	0.789%
138	9.032	9.015	9.055	VV	89801	1550695	26.88%	0.663%
139	9.072	9.055	9.089	VV	82680	1212688	21.02%	0.518%
140	9.119	9.089	9.146	VV	222827	3575228	61.98%	1.528%
141	9.170	9.146	9.188	VV	72619	1265341	21.93%	0.541%

142	9.197	9.188	9.220	VV	40055	662872	11.49%	0.283%
143	9.243	9.220	9.251	VV	36887	597150	10.35%	0.255%
144	9.267	9.251	9.286	VV	47494	821134	14.23%	0.351%
145	9.301	9.286	9.317	VV	34441	601153	10.42%	0.257%
146	9.345	9.317	9.366	VV	50481	1194251	20.70%	0.510%
147	9.384	9.366	9.402	VV	41790	886097	15.36%	0.379%
148	9.424	9.402	9.459	VV	40384	1181914	20.49%	0.505%
149	9.491	9.459	9.513	VV	49455	1161365	20.13%	0.496%
150	9.536	9.513	9.578	VV	32852	1084271	18.80%	0.463%
151	9.610	9.578	9.620	VV	25984	598331	10.37%	0.256%
152	9.642	9.620	9.660	VV	31057	641733	11.12%	0.274%
153	9.690	9.660	9.699	VV	28461	609928	10.57%	0.261%
154	9.707	9.699	9.751	VV	28133	752593	13.05%	0.322%
155	9.782	9.751	9.815	VV	83526	1783604	30.92%	0.762%
156	9.827	9.815	9.841	VV	35885	497764	8.63%	0.213%
157	9.866	9.841	9.891	VV	53977	1107962	19.21%	0.473%
158	9.913	9.891	9.930	VV	37743	678075	11.75%	0.290%
159	9.945	9.930	9.955	VV	34387	446779	7.74%	0.191%
160	9.965	9.955	9.993	VV	35352	576560	9.99%	0.246%
161	10.023	9.993	10.057	VV	17352	622611	10.79%	0.266%
162	10.102	10.057	10.118	VV	19462	585867	10.16%	0.250%
163	10.144	10.118	10.174	VV	33323	840534	14.57%	0.359%
164	10.189	10.174	10.208	VV	27330	461696	8.00%	0.197%
165	10.220	10.208	10.232	VV	18534	252676	4.38%	0.108%
166	10.255	10.232	10.281	VV	21990	591203	10.25%	0.253%
167	10.292	10.281	10.337	VV	21007	561126	9.73%	0.240%
168	10.361	10.337	10.381	VV	15335	357949	6.21%	0.153%
169	10.401	10.381	10.444	VV	15557	523074	9.07%	0.224%
170	10.464	10.444	10.491	VV	15788	371403	6.44%	0.159%
171	10.536	10.491	10.549	VV	23468	558606	9.68%	0.239%
172	10.578	10.549	10.607	VV	80298	1380347	23.93%	0.590%
173	10.626	10.607	10.647	VV	19402	381822	6.62%	0.163%
174	10.666	10.647	10.699	VV	17158	418374	7.25%	0.179%
175	10.723	10.699	10.751	VV	19945	415491	7.20%	0.178%
176	10.773	10.751	10.801	VV	9325	263014	4.56%	0.112%
177	10.825	10.801	10.841	VV	10330	234650	4.07%	0.100%
178	10.861	10.841	10.890	VV	13467	331657	5.75%	0.142%
179	10.929	10.890	10.967	VV	13694	553247	9.59%	0.236%
180	11.003	10.967	11.033	VV	75537	1281914	22.22%	0.548%
181	11.047	11.033	11.083	VV	12401	317296	5.50%	0.136%
182	11.115	11.083	11.170	VV	8916	428013	7.42%	0.183%
183	11.188	11.170	11.225	VV	8762	272676	4.73%	0.117%
184	11.253	11.225	11.289	VV	13064	417169	7.23%	0.178%
185	11.324	11.289	11.366	VV	17229	534029	9.26%	0.228%
186	11.385	11.366	11.420	VV	9681	261568	4.53%	0.112%
187	11.438	11.420	11.477	VV	9792	269338	4.67%	0.115%
188	11.489	11.477	11.512	VV	6967	137594	2.39%	0.059%
189	11.564	11.512	11.599	VV	9375	387712	6.72%	0.166%
190	11.632	11.599	11.688	VV	13337	461531	8.00%	0.197%
191	11.726	11.688	11.775	VV	31734	686135	11.89%	0.293%
192	11.789	11.775	11.813	VV	6739	138782	2.41%	0.059%
193	11.832	11.813	11.854	VV	6101	133791	2.32%	0.057%
194	11.930	11.854	11.975	VV	9802	508725	8.82%	0.217%

195	11.994	11.975	12.007	VV	6883	124228	2.15%	0.053%
196	12.033	12.007	12.056	VV	9646	221868	3.85%	0.095%
197	12.072	12.056	12.101	VV	6778	166621	2.89%	0.071%
198	12.120	12.101	12.166	VV	7656	232466	4.03%	0.099%
199	12.191	12.166	12.224	VV	5790	184701	3.20%	0.079%
200	12.286	12.224	12.311	VV	11836	387317	6.71%	0.166%
201	12.320	12.311	12.338	VV	6618	98119	1.70%	0.042%
202	12.348	12.338	12.367	VV	6094	102048	1.77%	0.044%
203	12.378	12.367	12.396	VV	5638	94490	1.64%	0.040%
204	12.435	12.396	12.481	VV	5705	263033	4.56%	0.112%
205	12.528	12.481	12.555	VV	5770	219940	3.81%	0.094%
206	12.579	12.555	12.629	VV	6872	254963	4.42%	0.109%
207	12.641	12.629	12.659	VV	5046	84934	1.47%	0.036%
208	12.687	12.659	12.699	VV	5367	115043	1.99%	0.049%
209	12.717	12.699	12.751	VV	6876	164235	2.85%	0.070%
210	12.770	12.751	12.787	VV	5086	99197	1.72%	0.042%
211	12.810	12.787	12.845	VV	6530	169119	2.93%	0.072%
212	12.882	12.845	12.918	VV	6198	204895	3.55%	0.088%
213	12.946	12.918	12.968	VV	10080	185230	3.21%	0.079%
214	12.978	12.968	12.993	VV	4316	59703	1.03%	0.026%
215	13.008	12.993	13.045	VV	4202	115143	2.00%	0.049%
216	13.062	13.045	13.081	VV	3666	73304	1.27%	0.031%
217	13.092	13.081	13.139	VV	3701	104390	1.81%	0.045%
218	13.168	13.139	13.178	VV	2689	59406	1.03%	0.025%
219	13.202	13.178	13.218	VV	3920	82415	1.43%	0.035%
220	13.226	13.218	13.255	VV	3589	70301	1.22%	0.030%
221	13.273	13.255	13.288	VV	3145	57179	0.99%	0.024%
222	13.309	13.288	13.328	VV	3637	71405	1.24%	0.031%
223	13.395	13.328	13.427	VV	443167	5325890	92.32%	2.276%
224	13.446	13.427	13.478	VV	4692	109816	1.90%	0.047%
225	13.493	13.478	13.518	VV	2781	61829	1.07%	0.026%
226	13.562	13.518	13.586	VV	3405	105415	1.83%	0.045%
227	13.609	13.586	13.655	VV	3218	107640	1.87%	0.046%
228	13.673	13.655	13.710	VV	2210	67507	1.17%	0.029%
229	13.728	13.710	13.747	VV	2127	42137	0.73%	0.018%
230	13.789	13.747	13.814	VV	3403	101599	1.76%	0.043%
231	13.836	13.814	13.888	VV	2733	102793	1.78%	0.044%
232	13.907	13.888	13.926	VV	1970	41600	0.72%	0.018%
233	13.951	13.926	13.967	VV	2096	49239	0.85%	0.021%
234	13.987	13.967	14.040	VV	2617	92567	1.60%	0.040%
235	14.058	14.040	14.073	VV	2114	37431	0.65%	0.016%
236	14.093	14.073	14.119	VV	3469	61636	1.07%	0.026%
237	14.147	14.119	14.181	VV	7958	125436	2.17%	0.054%
238	14.205	14.181	14.221	VV	1622	33161	0.57%	0.014%
239	14.235	14.221	14.257	VV	1482	27218	0.47%	0.012%
240	14.267	14.257	14.285	VV	1023	16563	0.29%	0.007%
241	14.298	14.285	14.321	VV	1144	21201	0.37%	0.009%
242	14.383	14.321	14.463	VV	2236	114338	1.98%	0.049%
243	14.481	14.463	14.497	VV	1227	21166	0.37%	0.009%
244	14.534	14.497	14.550	VV	1351	37474	0.65%	0.016%
245	14.582	14.550	14.639	VV	2286	72493	1.26%	0.031%
246	14.658	14.639	14.688	VV	1066	25982	0.45%	0.011%

247	14.709	14.688	14.753	VV	3091	56031	0.97%	0.024%
248	14.777	14.753	14.795	VV	1090	23012	0.40%	0.010%
249	14.803	14.795	14.821	VV	940	13507	0.23%	0.006%
250	14.844	14.821	14.894	VV	1371	44348	0.77%	0.019%
251	14.913	14.894	14.943	VV	872	22284	0.39%	0.010%
252	14.969	14.943	15.013	VV	894	32329	0.56%	0.014%
253	15.030	15.013	15.047	VV	856	15551	0.27%	0.007%
254	15.063	15.047	15.080	VV	863	13588	0.24%	0.006%
255	15.105	15.080	15.128	VV	646	15873	0.28%	0.007%
256	15.136	15.128	15.160	VV	535	8610	0.15%	0.004%
257	15.207	15.160	15.223	VV	2251	40926	0.71%	0.017%
258	15.251	15.223	15.285	VV	8142	129172	2.24%	0.055%
259	15.295	15.285	15.374	VV	609	20599	0.36%	0.009%
260	15.392	15.374	15.407	VV	346	4564	0.08%	0.002%
261	15.425	15.407	15.435	VV	294	4135	0.07%	0.002%
262	15.454	15.435	15.485	VV	347	7841	0.14%	0.003%
263	15.499	15.485	15.545	VV	314	7642	0.13%	0.003%
264	15.561	15.545	15.571	VV	228	2514	0.04%	0.001%
265	15.588	15.571	15.619	VV	302	6572	0.11%	0.003%
266	15.636	15.619	15.650	VV	278	3362	0.06%	0.001%
267	15.679	15.650	15.714	VV	768	16210	0.28%	0.007%
268	15.729	15.714	15.744	VV	400	5297	0.09%	0.002%
269	15.772	15.744	15.803	VV	4794	70804	1.23%	0.030%
270	15.816	15.803	15.845	VV	501	10265	0.18%	0.004%
271	15.851	15.845	15.895	VV	353	5564	0.10%	0.002%
272	15.910	15.895	15.935	VV	329	5221	0.09%	0.002%
273	15.949	15.935	15.975	VV	256	4909	0.09%	0.002%
274	15.997	15.975	16.028	VV	293	7318	0.13%	0.003%
275	16.092	16.028	16.120	VV	834	27984	0.49%	0.012%
276	16.138	16.120	16.195	VV	558	14149	0.25%	0.006%
277	16.234	16.195	16.250	VV	1728	24402	0.42%	0.010%
278	16.274	16.250	16.351	VV	8683	126621	2.19%	0.054%
279	16.369	16.351	16.393	PV	174	1719	0.03%	0.001%
280	16.420	16.393	16.431	PV	340	4626	0.08%	0.002%
281	16.458	16.431	16.535	VV	489	17369	0.30%	0.007%
282	16.584	16.535	16.625	VV	620	16220	0.28%	0.007%
283	16.635	16.625	16.685	VV	386	7069	0.12%	0.003%
284	16.758	16.685	16.785	PV	5777	88425	1.53%	0.038%
285	16.805	16.785	16.825	VV	492	8495	0.15%	0.004%
286	16.841	16.825	16.854	VV	243	3644	0.06%	0.002%
287	16.881	16.854	16.893	VV	262	5271	0.09%	0.002%
288	16.927	16.893	16.950	VV	514	11501	0.20%	0.005%
289	16.974	16.950	17.011	VV	501	13686	0.24%	0.006%
290	17.060	17.011	17.077	VV	636	15299	0.27%	0.007%
291	17.120	17.077	17.144	VV	669	18964	0.33%	0.008%
292	17.190	17.144	17.201	VV	1619	27155	0.47%	0.012%
293	17.224	17.201	17.295	VV	7418	118852	2.06%	0.051%
294	17.340	17.295	17.372	VV	480	11983	0.21%	0.005%
295	17.473	17.372	17.489	VV	952	22976	0.40%	0.010%
296	17.506	17.489	17.536	VV	517	12361	0.21%	0.005%
297	17.561	17.536	17.578	VV	355	6936	0.12%	0.003%
298	17.599	17.578	17.617	VV	435	6954	0.12%	0.003%
299	17.677	17.617	17.715	VV	4609	79387	1.38%	0.034%

300	17.721	17.715	17.741	VV	135	1173	0.02%	0.001%
301	17.792	17.741	17.828	PV	802	19834	0.34%	0.008%
302	17.858	17.828	17.868	VV	341	6391	0.11%	0.003%
303	17.881	17.868	17.905	VV	350	4709	0.08%	0.002%
304	17.963	17.905	17.990	VV	507	11399	0.20%	0.005%
305	18.017	17.990	18.035	VV	324	5654	0.10%	0.002%
306	18.114	18.035	18.143	VV	5454	101104	1.75%	0.043%
307	18.162	18.143	18.216	VV	480	12188	0.21%	0.005%
308	18.264	18.216	18.348	VV	2091	54886	0.95%	0.023%
309	18.394	18.348	18.445	PV	665	16938	0.29%	0.007%
310	18.495	18.445	18.510	VV	586	15562	0.27%	0.007%
311	18.537	18.510	18.565	VV	3359	50396	0.87%	0.022%
312	18.630	18.565	18.657	VV	2714	45509	0.79%	0.019%
313	18.668	18.657	18.685	VV	362	4556	0.08%	0.002%
314	18.693	18.685	18.717	VV	229	2811	0.05%	0.001%
315	18.796	18.717	18.882	VV	904	32210	0.56%	0.014%
316	18.946	18.882	19.010	PV	4341	87672	1.52%	0.037%
317	19.053	19.010	19.077	PV	898	15065	0.26%	0.006%
318	19.102	19.077	19.158	VV	995	22361	0.39%	0.010%
319	19.204	19.158	19.221	VV	353	8750	0.15%	0.004%
320	19.241	19.221	19.286	VV	372	7276	0.13%	0.003%
321	19.346	19.286	19.368	PV	2539	40257	0.70%	0.017%
322	19.383	19.368	19.417	VV	831	15498	0.27%	0.007%
323	19.456	19.417	19.478	VV	573	12370	0.21%	0.005%
324	19.522	19.478	19.555	VV	713	19360	0.34%	0.008%
325	19.594	19.555	19.617	VV	508	12444	0.22%	0.005%
326	19.676	19.617	19.684	VV	480	14580	0.25%	0.006%
327	19.731	19.684	19.799	VV	3513	85320	1.48%	0.036%
328	19.861	19.799	19.892	VV	682	28669	0.50%	0.012%
329	19.973	19.892	19.991	VV	900	40102	0.70%	0.017%
330	20.038	19.991	20.063	VV	1069	38623	0.67%	0.017%
331	20.108	20.063	20.138	VV	2188	57893	1.00%	0.025%
332	20.156	20.138	20.181	VV	1264	29806	0.52%	0.013%
333	20.228	20.181	20.245	VV	1457	48082	0.83%	0.021%
334	20.277	20.245	20.305	VV	1511	51574	0.89%	0.022%
335	20.379	20.305	20.398	VV	2023	93253	1.62%	0.040%
336	20.473	20.398	20.501	VV	4071	153296	2.66%	0.066%
337	20.523	20.501	20.559	VV	2534	83069	1.44%	0.035%
338	20.692	20.559	20.701	VV	4064	252491	4.38%	0.108%
339	20.732	20.701	20.801	VV	4339	219087	3.80%	0.094%
340	20.832	20.801	20.885	VV	3592	155223	2.69%	0.066%
341	21.011	20.885	21.101	VV	3442	391248	6.78%	0.167%
342	21.109	21.101	21.115	VV	2766	22726	0.39%	0.010%
343	21.219	21.115	21.265	VV	3664	255059	4.42%	0.109%
344	21.296	21.265	21.322	VV	2306	77706	1.35%	0.033%
345	21.331	21.322	21.339	VV	2175	22032	0.38%	0.009%
346	21.348	21.339	21.370	VV	2153	38381	0.67%	0.016%
347	21.382	21.370	21.405	VV	2087	42453	0.74%	0.018%
348	21.414	21.405	21.435	VV	1980	34545	0.60%	0.015%
349	21.452	21.435	21.486	VV	1861	54554	0.95%	0.023%
350	21.498	21.486	21.538	VV	1697	50213	0.87%	0.021%
351	21.582	21.538	21.613	VV	1644	69901	1.21%	0.030%

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352	21.666	21.613	21.741	VV	1574	98975	1.72%	0.042%
353	21.788	21.741	21.854	VV	1038	61221	1.06%	0.026%
354	21.869	21.854	21.899	VV	725	17947	0.31%	0.008%
355	21.910	21.899	21.925	VV	605	8737	0.15%	0.004%
356	21.960	21.925	22.001	VV	564	24176	0.42%	0.010%
357	22.017	22.001	22.028	VV	494	7029	0.12%	0.003%
358	22.045	22.028	22.085	VV	484	13344	0.23%	0.006%
359	22.157	22.085	22.218	VV	764	32506	0.56%	0.014%
360	22.225	22.218	22.251	VBA	72	12399	0.21%	0.005%

Sum of corrected areas: 234011623

Aliphatic EPH 102124.M Sat Nov 09 05:18:14 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-4DL		SDG No.:	P4721	
Lab Sample ID:	P4721-11DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.4	
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
FG014724.D	10	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	46.0		4.25	11.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	69.0		2.68	7.45	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.38	J	3.35	11.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	8.94	U	8.94	14.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.1	U	20.1	22.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.17		40 - 140	83%	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:	P4721-11DL	Acq On:	11 Nov 2024 10:22
Client Sample ID:	EX-9-TPH-4DL	Operator:	YP\AJ
Data file:	FG014724.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.223	22.254	22945698	170.799		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	511442	4.17		ug/ml
Aliphatic C9-C12	3.223	6.843	8104252	61.704	300	ug/ml
Aliphatic C12-C16	6.844	10.286	12571148	92.556	200	ug/ml
Aliphatic C16-C21	10.287	13.658	1588090	11.243	300	ug/ml
Aliphatic C21-C28	13.659	17.322	493412	3.51	400	ug/ml
Aliphatic C28-C40	17.323	22.254	188796	1.786	600	ug/ml
Aliphatic C9-C28	3.223	17.322	22756902	169.013	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014724.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:22
Operator : YP\AJ
Sample : P4721-11DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4DL

Integration File: autoint1.e
Quant Time: Nov 11 20:49:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.390	511442	4.165 ug/ml
Spiked Amount 50.000		Recovery =	8.33%
Target Compounds			

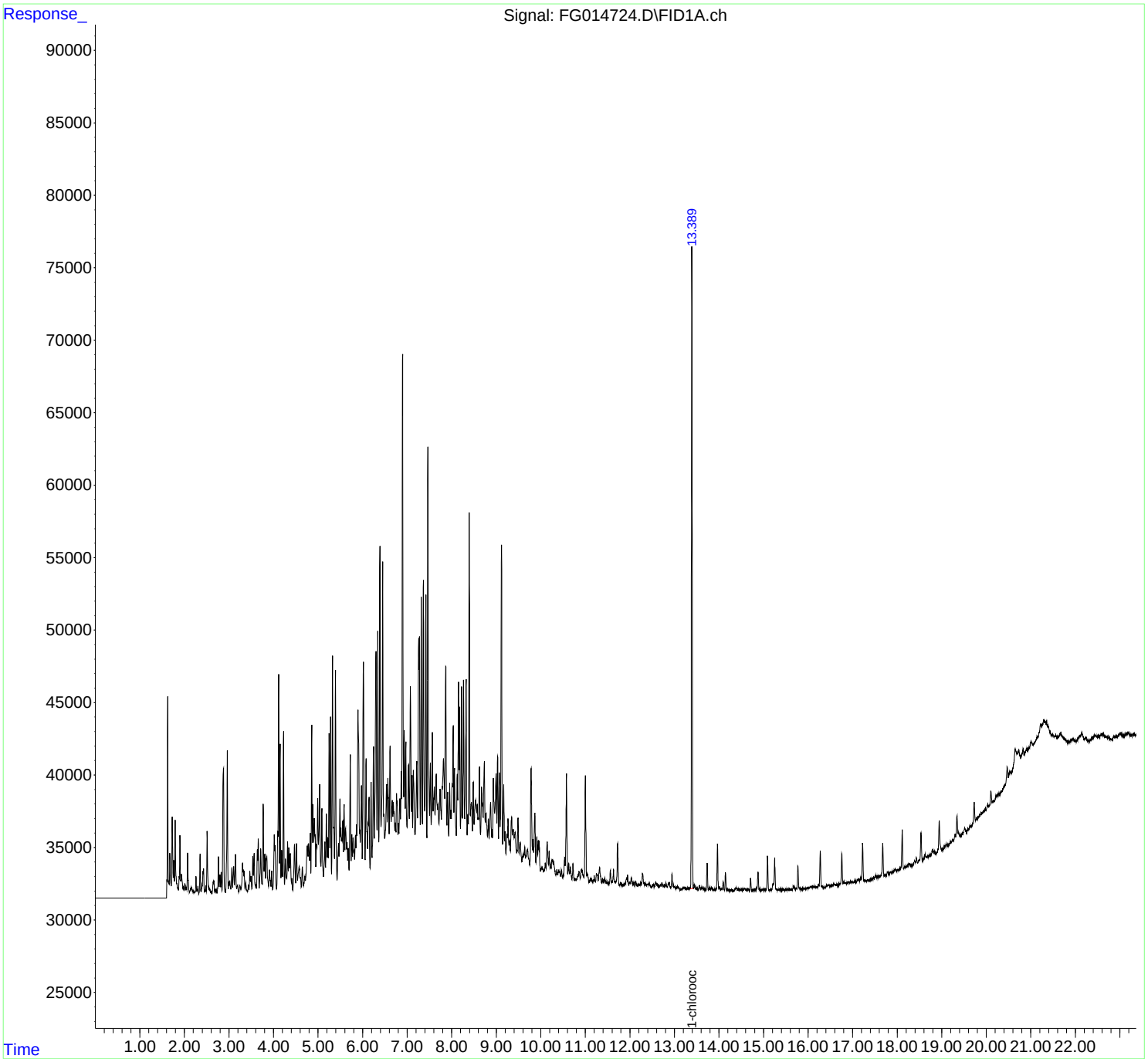
(f)=RT Delta > 1/2 Window (m)=manual int.

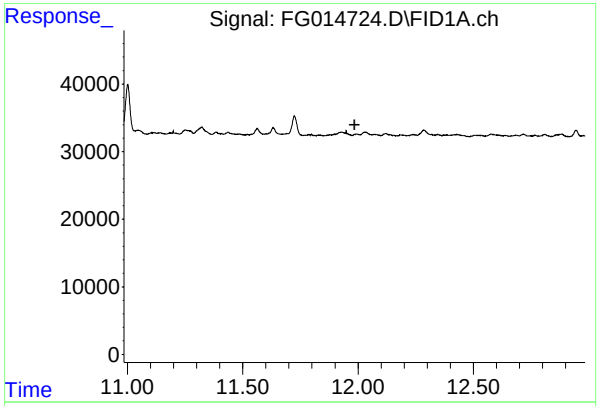
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014724.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:22
Operator : YP\AJ
Sample : P4721-11DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4DL

Integration File: autoint1.e
Quant Time: Nov 11 20:49:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

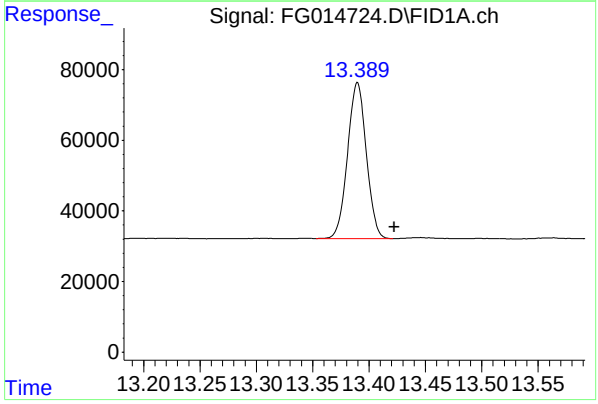




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.033 min
Response: 511442
Conc: 4.17 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014724.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:22
Sample : P4721-11DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.245	3.222	3.269	BV	447	7145	1.38%	0.030%
2	3.305	3.269	3.317	VV	1973	28510	5.49%	0.121%
3	3.322	3.317	3.333	VV	1516	13476	2.59%	0.057%
4	3.342	3.333	3.360	VV	1459	14725	2.83%	0.063%
5	3.377	3.360	3.417	VV	611	8858	1.71%	0.038%
6	3.438	3.417	3.450	VV	444	5000	0.96%	0.021%
7	3.469	3.450	3.483	VV	1422	16585	3.19%	0.071%
8	3.494	3.483	3.515	VV	1068	13270	2.55%	0.057%
9	3.536	3.515	3.550	VV	2476	28650	5.52%	0.122%
10	3.565	3.550	3.597	VV	2664	37259	7.17%	0.159%
11	3.604	3.597	3.617	VV	484	5038	0.97%	0.021%
12	3.658	3.617	3.680	VV	3665	71993	13.86%	0.307%
13	3.714	3.680	3.739	VV	2919	50298	9.68%	0.214%
14	3.769	3.739	3.789	VV	6066	76151	14.66%	0.325%
15	3.805	3.789	3.820	VV	2616	35225	6.78%	0.150%
16	3.849	3.820	3.889	VV	2431	61663	11.87%	0.263%
17	3.911	3.889	3.942	VV	1508	28139	5.42%	0.120%
18	3.958	3.942	3.982	VV	1427	17264	3.32%	0.074%
19	4.018	3.982	4.030	VV	3899	55468	10.68%	0.236%
20	4.035	4.030	4.067	VV	3205	36211	6.97%	0.154%
21	4.116	4.067	4.133	VV	14997	201249	38.74%	0.858%
22	4.148	4.133	4.169	VV	10127	112699	21.69%	0.480%
23	4.184	4.169	4.203	VV	2848	38635	7.44%	0.165%
24	4.226	4.203	4.248	VV	11065	121936	23.47%	0.520%
25	4.269	4.248	4.296	VV	2261	38257	7.36%	0.163%
26	4.318	4.296	4.332	VV	3420	44776	8.62%	0.191%
27	4.346	4.332	4.360	VV	3056	37995	7.31%	0.162%
28	4.375	4.360	4.402	VV	2631	47951	9.23%	0.204%
29	4.411	4.402	4.431	VV	932	9531	1.83%	0.041%
30	4.471	4.431	4.496	VV	3254	57680	11.10%	0.246%
31	4.516	4.496	4.541	VV	3327	49695	9.57%	0.212%
32	4.576	4.541	4.625	VV	1747	57253	11.02%	0.244%
33	4.648	4.625	4.672	VV	1729	27778	5.35%	0.118%
34	4.704	4.672	4.716	VV	1075	19956	3.84%	0.085%
35	4.758	4.716	4.774	VV	3153	73457	14.14%	0.313%
36	4.788	4.774	4.808	VV	3296	57071	10.99%	0.243%

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37	4.825	4.808	4.840	VV	4047	54365	10.47%	0.232%
38	4.858	4.840	4.873	VV	11443	122426	23.57%	0.522%
39	4.884	4.873	4.902	VV	5951	83817	16.13%	0.357%
40	4.918	4.902	4.951	VV	5050	111854	21.53%	0.477%
41	4.993	4.951	5.010	VV	6405	137306	26.43%	0.585%
42	5.037	5.010	5.065	VV	7381	136744	26.32%	0.583%
43	5.086	5.065	5.122	VV	5731	97288	18.73%	0.415%
44	5.153	5.122	5.169	VV	3460	60971	11.74%	0.260%
45	5.188	5.169	5.206	VV	5352	79451	15.29%	0.339%
46	5.219	5.206	5.230	VV	3746	43187	8.31%	0.184%
47	5.249	5.230	5.266	VV	10928	135132	26.01%	0.576%
48	5.283	5.266	5.304	VV	12047	141761	27.29%	0.604%
49	5.325	5.304	5.369	VV	16241	258394	49.74%	1.101%
50	5.392	5.369	5.428	VV	15213	208341	40.10%	0.888%
51	5.460	5.428	5.471	VV	3312	60569	11.66%	0.258%
52	5.492	5.471	5.539	VV	6414	169660	32.66%	0.723%
53	5.555	5.539	5.569	VV	4900	72532	13.96%	0.309%
54	5.585	5.569	5.603	VV	5983	88701	17.07%	0.378%
55	5.618	5.603	5.642	VV	4385	88411	17.02%	0.377%
56	5.652	5.642	5.667	VV	3392	42601	8.20%	0.182%
57	5.680	5.667	5.696	VV	2966	42213	8.13%	0.180%
58	5.724	5.696	5.744	VV	9445	140529	27.05%	0.599%
59	5.759	5.744	5.773	VV	3946	54884	10.56%	0.234%
60	5.788	5.773	5.821	VV	3688	82149	15.81%	0.350%
61	5.839	5.821	5.851	VV	3911	56775	10.93%	0.242%
62	5.864	5.851	5.874	VV	4551	56126	10.80%	0.239%
63	5.898	5.874	5.949	VV	12406	330935	63.70%	1.410%
64	5.975	5.949	5.993	VV	7330	127250	24.49%	0.542%
65	6.019	5.993	6.057	VV	15832	306901	59.08%	1.308%
66	6.079	6.057	6.112	VV	9179	168459	32.43%	0.718%
67	6.144	6.112	6.168	VV	6546	141652	27.27%	0.604%
68	6.192	6.168	6.212	VV	7544	108169	20.82%	0.461%
69	6.244	6.212	6.263	VV	9979	166230	32.00%	0.708%
70	6.302	6.263	6.324	VV	16604	350461	67.46%	1.494%
71	6.343	6.324	6.365	VV	17882	230686	44.41%	0.983%
72	6.388	6.365	6.416	VV	23759	335450	64.57%	1.430%
73	6.452	6.416	6.497	VV	22741	416448	80.16%	1.775%
74	6.538	6.497	6.554	VV	7403	178758	34.41%	0.762%
75	6.569	6.554	6.597	VV	7819	158963	30.60%	0.677%
76	6.617	6.597	6.642	VV	10026	186975	35.99%	0.797%
77	6.667	6.642	6.680	VV	6218	125656	24.19%	0.535%
78	6.691	6.680	6.725	VV	6151	147663	28.42%	0.629%
79	6.736	6.725	6.747	VV	4745	58937	11.35%	0.251%
80	6.764	6.747	6.794	VV	6799	157776	30.37%	0.672%
81	6.805	6.794	6.816	VV	4735	56425	10.86%	0.240%
82	6.836	6.816	6.852	VV	6418	117424	22.60%	0.500%
83	6.869	6.852	6.878	VV	8308	106493	20.50%	0.454%
84	6.897	6.878	6.922	VV	37062	488137	93.96%	2.080%
85	6.935	6.922	6.956	VV	11115	173286	33.36%	0.738%
86	6.971	6.956	6.997	VV	10286	170955	32.91%	0.729%
87	7.031	6.997	7.050	VV	8775	200701	38.63%	0.855%
88	7.074	7.050	7.099	VV	14004	273588	52.66%	1.166%
89	7.110	7.099	7.124	VV	7991	95527	18.39%	0.407%

90	7.141	7.124	7.178	VV	8327	199661	38.43%	0.851%
91	7.216	7.178	7.234	VV	8999	201804	38.85%	0.860%
92	7.274	7.234	7.297	VV	17656	446946	86.04%	1.905%
93	7.319	7.297	7.342	VV	20213	294369	56.66%	1.254%
94	7.364	7.342	7.395	VV	21453	347632	66.92%	1.481%
95	7.422	7.395	7.443	VV	20429	298393	57.44%	1.272%
96	7.466	7.443	7.504	VV	30628	467013	89.90%	1.990%
97	7.522	7.504	7.542	VV	8862	151621	29.19%	0.646%
98	7.566	7.542	7.584	VV	10946	190409	36.65%	0.811%
99	7.611	7.584	7.627	VV	7187	162142	31.21%	0.691%
100	7.654	7.627	7.684	VV	8124	223435	43.01%	0.952%
101	7.694	7.684	7.715	VV	6010	104267	20.07%	0.444%
102	7.741	7.715	7.768	VV	7049	187047	36.01%	0.797%
103	7.816	7.768	7.841	VV	9160	324699	62.50%	1.384%
104	7.867	7.841	7.893	VV	15477	307789	59.25%	1.312%
105	7.909	7.893	7.933	VV	6850	128794	24.79%	0.549%
106	7.955	7.933	7.973	VV	7475	134801	25.95%	0.574%
107	7.983	7.973	7.993	VV	5591	62569	12.04%	0.267%
108	8.034	7.993	8.050	VV	11500	268632	51.71%	1.145%
109	8.064	8.050	8.104	VV	8505	190976	36.76%	0.814%
110	8.125	8.104	8.136	VV	8069	118147	22.74%	0.503%
111	8.154	8.136	8.167	VV	14470	199630	38.43%	0.851%
112	8.179	8.167	8.199	VV	12754	166593	32.07%	0.710%
113	8.222	8.199	8.243	VV	14123	223257	42.98%	0.951%
114	8.268	8.243	8.291	VV	14455	257016	49.47%	1.095%
115	8.324	8.291	8.348	VV	14680	277019	53.32%	1.181%
116	8.364	8.348	8.372	VV	5293	68666	13.22%	0.293%
117	8.395	8.372	8.419	VV	25925	352516	67.86%	1.502%
118	8.444	8.419	8.467	VV	6162	157934	30.40%	0.673%
119	8.484	8.467	8.504	VV	7501	130122	25.05%	0.555%
120	8.536	8.504	8.562	VV	6313	196715	37.87%	0.838%
121	8.574	8.562	8.602	VV	6060	130573	25.13%	0.556%
122	8.624	8.602	8.648	VV	8626	169700	32.67%	0.723%
123	8.673	8.648	8.706	VV	7216	197738	38.06%	0.843%
124	8.733	8.706	8.755	VV	8893	200231	38.54%	0.853%
125	8.770	8.755	8.805	VV	5410	140762	27.10%	0.600%
126	8.824	8.805	8.840	VV	5008	91836	17.68%	0.391%
127	8.875	8.840	8.896	VV	6162	164090	31.59%	0.699%
128	8.907	8.896	8.917	VV	4307	49394	9.51%	0.211%
129	8.936	8.917	8.965	VV	7820	174121	33.52%	0.742%
130	8.998	8.965	9.014	VV	8176	188625	36.31%	0.804%
131	9.031	9.014	9.053	VV	9343	157259	30.27%	0.670%
132	9.071	9.053	9.088	VV	8243	125659	24.19%	0.536%
133	9.118	9.088	9.145	VV	23943	368067	70.85%	1.569%
134	9.169	9.145	9.187	VV	7360	127422	24.53%	0.543%
135	9.196	9.187	9.218	VV	4136	64395	12.40%	0.274%
136	9.266	9.218	9.287	VV	5045	155823	30.00%	0.664%
137	9.299	9.287	9.316	VV	3490	58398	11.24%	0.249%
138	9.344	9.316	9.364	VV	5140	120302	23.16%	0.513%
139	9.381	9.364	9.403	VV	4284	94491	18.19%	0.403%
140	9.424	9.403	9.459	VV	4076	118228	22.76%	0.504%
141	9.489	9.459	9.512	VV	5067	114383	22.02%	0.487%

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142	9.537	9.512	9.575	VV	3367	107813	20.75%	0.459%
143	9.608	9.575	9.619	VV	2612	61833	11.90%	0.264%
144	9.640	9.619	9.659	VV	3068	64255	12.37%	0.274%
145	9.705	9.659	9.751	VV	2900	135433	26.07%	0.577%
146	9.782	9.751	9.814	VV	8488	180153	34.68%	0.768%
147	9.825	9.814	9.840	VV	3593	49816	9.59%	0.212%
148	9.866	9.840	9.890	VV	5418	110790	21.33%	0.472%
149	9.912	9.890	9.929	VV	3785	69320	13.34%	0.295%
150	9.944	9.929	9.955	VV	3524	47383	9.12%	0.202%
151	9.964	9.955	9.992	VV	3469	54747	10.54%	0.233%
152	10.026	9.992	10.062	VV	1690	65009	12.51%	0.277%
153	10.102	10.062	10.117	VV	1969	53991	10.39%	0.230%
154	10.144	10.117	10.172	VV	3394	82343	15.85%	0.351%
155	10.188	10.172	10.232	VV	2768	72181	13.89%	0.308%
156	10.252	10.232	10.279	VV	2149	55283	10.64%	0.236%
157	10.291	10.279	10.338	VV	2053	57694	11.11%	0.246%
158	10.361	10.338	10.384	VV	1537	35495	6.83%	0.151%
159	10.400	10.384	10.412	VV	1442	22131	4.26%	0.094%
160	10.422	10.412	10.444	VV	1377	23902	4.60%	0.102%
161	10.464	10.444	10.491	VV	1485	34227	6.59%	0.146%
162	10.535	10.491	10.548	VV	2350	51720	9.96%	0.220%
163	10.577	10.548	10.606	VV	8088	140347	27.02%	0.598%
164	10.626	10.606	10.645	VV	1944	36723	7.07%	0.157%
165	10.665	10.645	10.699	VV	1691	41215	7.93%	0.176%
166	10.722	10.699	10.751	VV	1915	39566	7.62%	0.169%
167	10.765	10.751	10.792	VV	886	20369	3.92%	0.087%
168	10.860	10.792	10.887	VV	1385	59331	11.42%	0.253%
169	10.910	10.887	10.922	VV	1518	26474	5.10%	0.113%
170	10.926	10.922	10.968	VV	1442	32295	6.22%	0.138%
171	11.002	10.968	11.034	VV	8004	133315	25.66%	0.568%
172	11.047	11.034	11.085	VV	1200	29234	5.63%	0.125%
173	11.112	11.085	11.129	VV	827	19881	3.83%	0.085%
174	11.142	11.129	11.168	VV	814	17419	3.35%	0.074%
175	11.199	11.168	11.225	VV	1005	25446	4.90%	0.108%
176	11.252	11.225	11.288	VV	1218	37612	7.24%	0.160%
177	11.321	11.288	11.369	VV	1651	52524	10.11%	0.224%
178	11.384	11.369	11.417	VV	922	21404	4.12%	0.091%
179	11.437	11.417	11.472	VV	931	23415	4.51%	0.100%
180	11.486	11.472	11.525	VV	654	17954	3.46%	0.077%
181	11.563	11.525	11.605	VV	1454	38905	7.49%	0.166%
182	11.632	11.605	11.669	VV	1539	35402	6.81%	0.151%
183	11.724	11.669	11.762	VV	3272	70318	13.54%	0.300%
184	11.796	11.762	11.815	VV	549	15167	2.92%	0.065%
185	11.829	11.815	11.850	VV	481	9264	1.78%	0.039%
186	11.929	11.850	11.974	VV	917	46866	9.02%	0.200%
187	11.993	11.974	12.009	VV	633	11606	2.23%	0.049%
188	12.031	12.009	12.058	VV	903	21376	4.11%	0.091%
189	12.072	12.058	12.102	VV	562	13336	2.57%	0.057%
190	12.120	12.102	12.175	VV	690	22285	4.29%	0.095%
191	12.186	12.175	12.210	VV	484	9403	1.81%	0.040%
192	12.239	12.210	12.257	VV	531	13290	2.56%	0.057%
193	12.286	12.257	12.334	VV	1198	34064	6.56%	0.145%
194	12.345	12.334	12.363	VV	555	8255	1.59%	0.035%

rteres

195	12.430	12.363	12.481	VV	554	31514	6.07%	0.134%
196	12.522	12.481	12.554	VV	450	16603	3.20%	0.071%
197	12.577	12.554	12.622	VV	632	19686	3.79%	0.084%
198	12.638	12.622	12.655	VV	431	7497	1.44%	0.032%
199	12.685	12.655	12.698	VV	447	9779	1.88%	0.042%
200	12.717	12.698	12.754	VV	615	14723	2.83%	0.063%
201	12.768	12.754	12.786	VV	471	7071	1.36%	0.030%
202	12.809	12.786	12.840	VV	592	13174	2.54%	0.056%
203	12.881	12.840	12.916	VV	622	19377	3.73%	0.083%
204	12.945	12.916	12.965	VV	1198	18838	3.63%	0.080%
205	12.979	12.965	12.993	VV	435	5758	1.11%	0.025%
206	13.008	12.993	13.037	VV	338	7120	1.37%	0.030%
207	13.072	13.037	13.083	VV	321	7218	1.39%	0.031%
208	13.090	13.083	13.133	VV	274	5558	1.07%	0.024%
209	13.144	13.133	13.153	VV	133	1413	0.27%	0.006%
210	13.165	13.153	13.176	VV	171	1975	0.38%	0.008%
211	13.208	13.176	13.229	VV	258	7146	1.38%	0.030%
212	13.235	13.229	13.255	VV	278	2931	0.56%	0.012%
213	13.267	13.255	13.288	VV	207	3227	0.62%	0.014%
214	13.308	13.288	13.326	VV	272	4563	0.88%	0.019%
215	13.342	13.326	13.352	VV	226	3097	0.60%	0.013%
216	13.390	13.352	13.423	VV	44213	519493	100.00%	2.214%
217	13.445	13.423	13.486	VV	464	10517	2.02%	0.045%
218	13.498	13.486	13.530	VV	233	4359	0.84%	0.019%
219	13.561	13.530	13.587	VV	372	7846	1.51%	0.033%
220	13.615	13.587	13.662	VV	237	7870	1.51%	0.034%
221	13.673	13.662	13.707	VV	151	2984	0.57%	0.013%
222	13.733	13.707	13.759	VV	1963	24643	4.74%	0.105%
223	13.783	13.759	13.812	VV	244	6099	1.17%	0.026%
224	13.835	13.812	13.893	VV	244	7810	1.50%	0.033%
225	13.908	13.893	13.924	VV	119	1992	0.38%	0.008%
226	13.965	13.924	13.995	VV	3272	45215	8.70%	0.193%
227	14.015	13.995	14.075	VV	296	8280	1.59%	0.035%
228	14.095	14.075	14.120	VV	647	9028	1.74%	0.038%
229	14.145	14.120	14.184	VV	1255	16629	3.20%	0.071%
230	14.205	14.184	14.269	VV	156	4144	0.80%	0.018%
231	14.274	14.269	14.317	VV	66	1429	0.28%	0.006%
232	14.379	14.317	14.405	PV	254	6212	1.20%	0.026%
233	14.439	14.405	14.462	VV	158	3625	0.70%	0.015%
234	14.475	14.462	14.502	VV	170	2172	0.42%	0.009%
235	14.510	14.502	14.521	VV	103	926	0.18%	0.004%
236	14.537	14.521	14.548	VV	164	1917	0.37%	0.008%
237	14.578	14.548	14.610	VV	209	4816	0.93%	0.021%
238	14.639	14.610	14.685	VV	143	4188	0.81%	0.018%
239	14.708	14.685	14.748	VV	846	11602	2.23%	0.049%
240	14.798	14.748	14.815	PV	133	2877	0.55%	0.012%
241	14.876	14.815	14.939	VV	1317	22528	4.34%	0.096%
242	14.991	14.939	15.009	VV	122	3344	0.64%	0.014%
243	15.016	15.009	15.047	VV	86	1857	0.36%	0.008%
244	15.088	15.047	15.151	VV	2405	32271	6.21%	0.138%
245	15.210	15.151	15.219	VV	488	7790	1.50%	0.033%
246	15.249	15.219	15.334	VV	2271	35906	6.91%	0.153%

rteres

247	15.350	15.334	15.413	VV	66	2585	0.50%	0.011%
248	15.444	15.413	15.473	VV	110	1724	0.33%	0.007%
249	15.515	15.473	15.644	PV	85	4404	0.85%	0.019%
250	15.674	15.644	15.713	VV	236	5288	1.02%	0.023%
251	15.729	15.713	15.739	VV	106	1242	0.24%	0.005%
252	15.771	15.739	15.859	VV	1643	24668	4.75%	0.105%
253	15.869	15.859	15.884	VV	39	514	0.10%	0.002%
254	15.904	15.884	15.962	VV	86	1956	0.38%	0.008%
255	15.977	15.962	16.015	VV	81	2117	0.41%	0.009%
256	16.059	16.015	16.077	PV	164	4543	0.87%	0.019%
257	16.097	16.077	16.110	VV	200	2879	0.55%	0.012%
258	16.146	16.110	16.170	VV	160	4448	0.86%	0.019%
259	16.178	16.170	16.200	VV	118	1447	0.28%	0.006%
260	16.232	16.200	16.249	VV	258	4515	0.87%	0.019%
261	16.272	16.249	16.353	VV	2577	38179	7.35%	0.163%
262	16.421	16.353	16.477	PV	207	7597	1.46%	0.032%
263	16.489	16.477	16.506	VV	129	1680	0.32%	0.007%
264	16.513	16.506	16.525	VV	83	893	0.17%	0.004%
265	16.576	16.525	16.621	VV	190	6068	1.17%	0.026%
266	16.632	16.621	16.650	VV	125	1524	0.29%	0.006%
267	16.659	16.650	16.695	VV	88	1692	0.33%	0.007%
268	16.756	16.695	16.792	VV	2194	33145	6.38%	0.141%
269	16.800	16.792	16.832	VV	189	3314	0.64%	0.014%
270	16.916	16.832	16.931	VV	126	5654	1.09%	0.024%
271	16.960	16.931	16.969	VV	127	2633	0.51%	0.011%
272	16.980	16.969	17.022	VV	118	2803	0.54%	0.012%
273	17.056	17.022	17.082	VV	160	3430	0.66%	0.015%
274	17.121	17.082	17.152	VV	278	6948	1.34%	0.030%
275	17.186	17.152	17.195	VV	297	5353	1.03%	0.023%
276	17.223	17.195	17.254	VV	2682	38153	7.34%	0.163%
277	17.277	17.254	17.299	VV	99	1732	0.33%	0.007%
278	17.335	17.299	17.374	VV	87	2283	0.44%	0.010%
279	17.408	17.374	17.423	PV	114	1739	0.33%	0.007%
280	17.470	17.423	17.482	VV	128	3026	0.58%	0.013%
281	17.512	17.482	17.541	VV	253	5016	0.97%	0.021%
282	17.562	17.541	17.615	VV	150	4364	0.84%	0.019%
283	17.674	17.615	17.708	VV	2328	34971	6.73%	0.149%
284	17.721	17.708	17.744	VV	113	1231	0.24%	0.005%
285	17.784	17.744	17.822	PV	248	5237	1.01%	0.022%
286	17.879	17.822	17.909	VV	150	4936	0.95%	0.021%
287	17.952	17.909	17.988	VV	231	5866	1.13%	0.025%
288	18.004	17.988	18.015	VV	132	1508	0.29%	0.006%
289	18.112	18.015	18.143	VV	2751	40715	7.84%	0.174%
290	18.187	18.143	18.203	VV	119	3163	0.61%	0.013%
291	18.261	18.203	18.279	VV	247	6185	1.19%	0.026%
292	18.290	18.279	18.315	VV	154	1923	0.37%	0.008%
293	18.392	18.315	18.409	PV	270	4982	0.96%	0.021%
294	18.433	18.409	18.462	VV	358	5700	1.10%	0.024%
295	18.494	18.462	18.509	PV	196	3204	0.62%	0.014%
296	18.535	18.509	18.562	VV	1972	28900	5.56%	0.123%
297	18.628	18.562	18.649	VV	377	6980	1.34%	0.030%
298	18.669	18.649	18.699	VV	138	3166	0.61%	0.013%
299	18.797	18.699	18.826	VV	426	13701	2.64%	0.058%

rteres
Sum of corrected areas: 23465192

Aliphatic EPH 102124.M Mon Nov 11 22:19:49 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-5			SDG No.:	P4721
Lab Sample ID:	P4721-12			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.9
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
11/08/24 08:47	11/08/24 17:02	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	J	1	0.44	1.15	mg/kg	FG014714.D
Aliphatic C12-C16	Aliphatic C12-C16	0.61	J	1	0.28	0.77	mg/kg	FG014714.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	1	0.35	1.15	mg/kg	FG014714.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.53	mg/kg	FG014714.D
Aliphatic C28-C40	Aliphatic C28-C40	2.07	U	1	2.07	2.30	mg/kg	FG014714.D
Aromatic C10-C12	Aromatic C10-C12	0.35	J	1	0.35	0.77	mg/kg	FF014982.D
Aromatic C12-C16	Aromatic C12-C16	0.45	J	1	0.39	1.15	mg/kg	FF014982.D
Aromatic C16-C21	Aromatic C16-C21	2.42		1	1.10	1.91	mg/kg	FF014982.D
Aromatic C21-C36	Aromatic C21-C36	2.30	U	1	2.30	3.06	mg/kg	FF014982.D
Total AliphaticEPH	Total AliphaticEPH	4.05	U		4.05	6.90	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.13	U		4.13	6.89	mg/kg	
Total EPH	Total EPH	8.18	U		8.18	13.8	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-5		SDG No.:	P4721	
Lab Sample ID:	P4721-12		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.9	
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
FF014982.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	J	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.45	J	0.39	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.42		1.10	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.30	U	2.30	3.06	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.0		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.7		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.6		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:	P4721-12	Acq On:	08 Nov 2024 20:49
Client Sample ID:	EX-9-TPH-5	Operator:	YP\AJ
Data file:	FF014982.D	Misc:	
Instrument:	FID_F	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	710067	4.594	200	ug/ml
Aromatic C12-C16	6.366	8.961	899352	5.857	300	ug/ml
Aromatic C16-C21	8.962	13.378	4484950	31.563	500	ug/ml
Aromatic C21-C36	13.379	18.826	3004399	21.765	800	ug/ml
Aromatic EPH	4.496	18.826	9098768	63.778		ug/ml
2-Bromonaphthalene (SURR)	7.995	7.995	6788370	51.01		ug/ml
2-Flurobiphenyl (SURR)	8.869	8.869	4428729	49.66		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	4658557	31.63		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014982.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 20:49
Operator : YP\AJ
Sample : P4721-12
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 09 00:28:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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_F
ClientSampleId :
EX-9-TPH-5

Manual Integrations APPROVED

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.995	6788370	51.009 ug/ml
Spiked Amount 50.000		Recovery = 102.02%	
6) S 2-Flurobiphenyl (SURR)	8.869	4428729	49.656 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 99.31%	
11) S ortho-Terphenyl (SURR)	11.930	4658557	31.629 ug/mlm
Spiked Amount 50.000		Recovery = 63.26%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014982.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 20:49
Operator : YP\AJ
Sample : P4721-12
Misc :
ALS Vial : 70 Sample Multiplier: 1

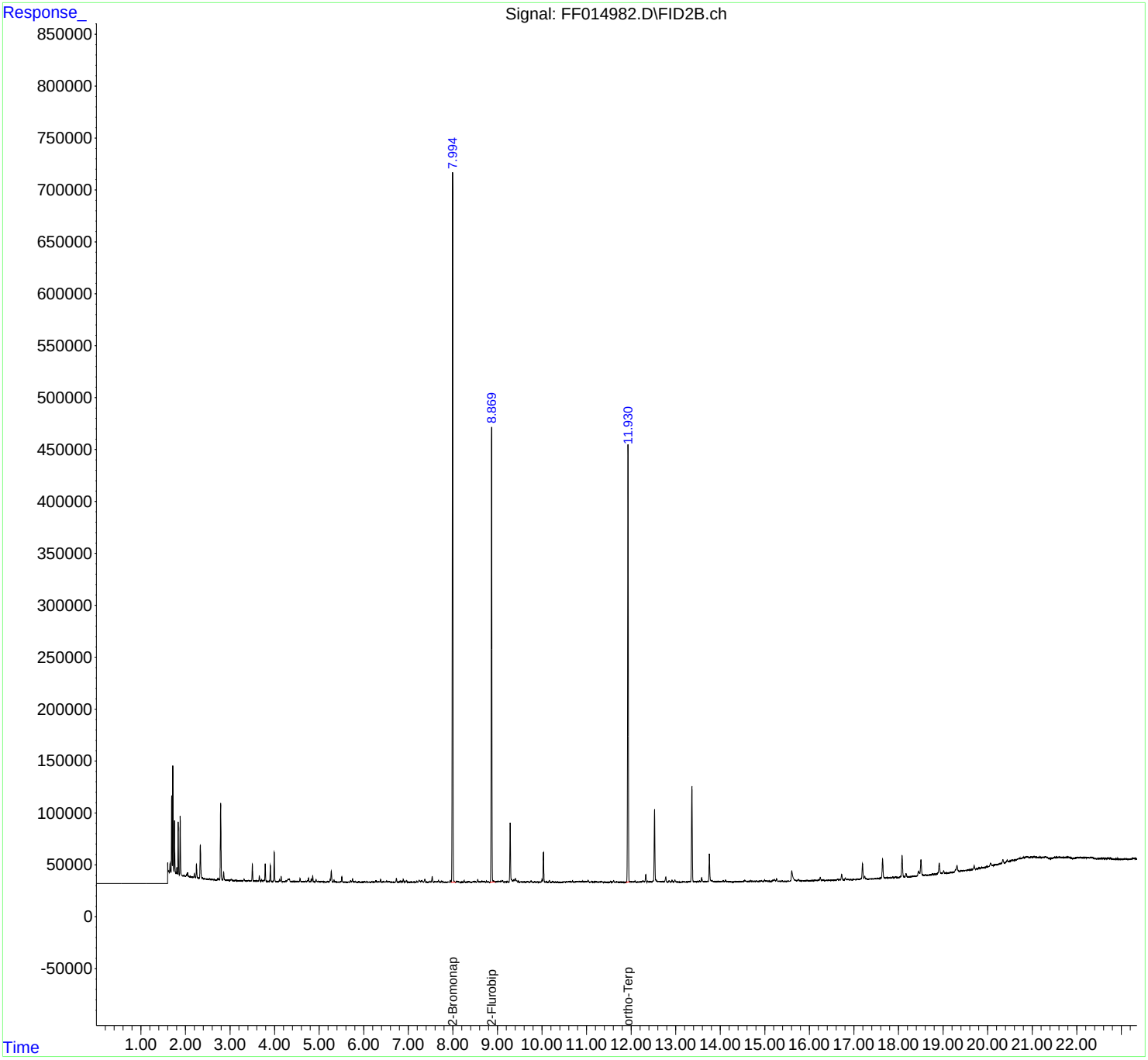
Integration File: autoint1.e
Quant Time: Nov 09 00:28:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

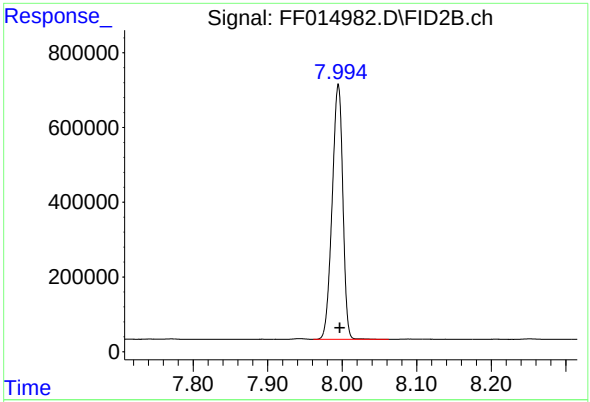
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-5

Manual Integrations APPROVED

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





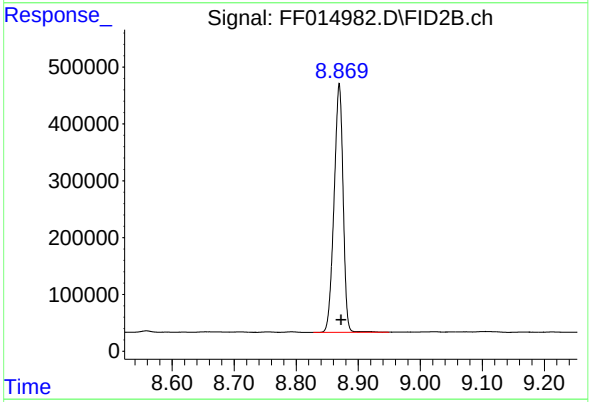
#4 2-Bromonaphthalene (SURR)

R.T.: 7.995 min
Delta R.T.: -0.002 min
Response: 6788370
Conc: 51.01 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-5

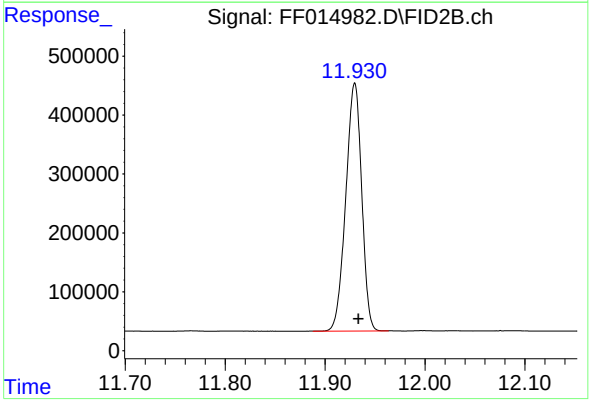
Manual Integrations APPROVED

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



#6 2-Flurobiphenyl (SURR)

R.T.: 8.869 min
Delta R.T.: -0.003 min
Response: 4428729
Conc: 49.66 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.004 min
Response: 4658557
Conc: 31.63 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-5

rteres

Area Percent

Manual IntegrationsAPPROVED

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

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Da
Data File : FF014982.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 20:49
Sample : P4721-12
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.431	4.401	4.446	BV	689	5139	0.08%	0.021%
2	4.457	4.446	4.491	VV	261	3003	0.04%	0.012%
3	4.516	4.491	4.537	VV	499	5432	0.08%	0.022%
4	4.571	4.545	4.597	VV	3244	35126	0.52%	0.140%
5	4.610	4.597	4.626	VV	422	4303	0.06%	0.017%
6	4.656	4.626	4.676	VV	359	5332	0.08%	0.021%
7	4.700	4.676	4.719	PV	755	8005	0.12%	0.032%
8	4.736	4.719	4.744	VV	1169	10977	0.16%	0.044%
9	4.760	4.744	4.782	VV	3667	39646	0.58%	0.159%
10	4.795	4.782	4.802	VV	336	2722	0.04%	0.011%
11	4.822	4.802	4.839	VV	3131	32735	0.48%	0.131%
12	4.855	4.839	4.901	VV	5894	60686	0.89%	0.243%
13	4.930	4.905	4.955	VV	2551	30134	0.44%	0.120%
14	4.959	4.955	4.964	VV	374	2010	0.03%	0.008%
15	4.982	4.964	5.018	VV	726	11665	0.17%	0.047%
16	5.063	5.018	5.099	VV	867	17464	0.26%	0.070%
17	5.112	5.099	5.144	VV	325	4648	0.07%	0.019%
18	5.186	5.161	5.219	PV	647	10626	0.16%	0.042%
19	5.245	5.219	5.254	VV	2279	23196	0.34%	0.093%
20	5.272	5.254	5.303	VV	10778	128153	1.88%	0.512%
21	5.333	5.303	5.369	VV	2204	28184	0.41%	0.113%
22	5.384	5.369	5.430	VV	488	5679	0.08%	0.023%
23	5.444	5.430	5.463	PV	221	2942	0.04%	0.012%
24	5.478	5.463	5.490	VV	551	5879	0.09%	0.024%
25	5.509	5.490	5.542	VV	5379	54998	0.81%	0.220%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-5

rteres

Manual IntegrationsAPPROVED

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

26	5.561	5.554	5.569	VV	142	1012	0.01%	0.004%
27	5.575	5.569	5.597	VV	146			
28	5.614	5.597	5.631	VV	169			
29	5.648	5.631	5.660	VV	270			
30	5.670	5.660	5.686	VV	430			
31	5.705	5.686	5.725	VV	1666	18369	0.27%	0.073%
32	5.750	5.725	5.774	VV	3476	39658	0.58%	0.159%
33	5.786	5.774	5.792	VV	224	2110	0.03%	0.008%
34	5.809	5.792	5.847	VV	932	10603	0.16%	0.042%
35	5.895	5.864	5.941	VV	527	10697	0.16%	0.043%
36	5.967	5.941	5.985	PV	430	5098	0.07%	0.020%
37	6.017	5.985	6.044	VV	633	11030	0.16%	0.044%
38	6.054	6.044	6.064	VV	364	3283	0.05%	0.013%
39	6.081	6.064	6.112	VV	429	6873	0.10%	0.027%
40	6.141	6.125	6.158	VV	208	2067	0.03%	0.008%
41	6.184	6.158	6.202	PV	740	8425	0.12%	0.034%
42	6.217	6.202	6.254	VV	350	7435	0.11%	0.030%
43	6.275	6.254	6.320	VV	1879	29626	0.44%	0.118%
44	6.336	6.320	6.358	VV	1064	12997	0.19%	0.052%
45	6.380	6.358	6.404	VV	2857	32092	0.47%	0.128%
46	6.418	6.404	6.425	VV	319	3313	0.05%	0.013%
47	6.446	6.425	6.475	VV	1166	15954	0.23%	0.064%
48	6.516	6.475	6.547	VV	976	23196	0.34%	0.093%
49	6.571	6.547	6.606	VV	1233	16322	0.24%	0.065%
50	6.614	6.606	6.627	VV	212	1961	0.03%	0.008%
51	6.657	6.636	6.677	VV	273	4913	0.07%	0.020%
52	6.693	6.677	6.707	VV	225	3224	0.05%	0.013%
53	6.733	6.707	6.761	VV	3836	44016	0.65%	0.176%
54	6.774	6.761	6.800	VV	413	7559	0.11%	0.030%
55	6.820	6.800	6.837	VV	1472	17933	0.26%	0.072%
56	6.855	6.837	6.870	VV	1123	13090	0.19%	0.052%
57	6.887	6.870	6.911	VV	3136	34535	0.51%	0.138%
58	6.922	6.911	6.941	VV	832	9107	0.13%	0.036%
59	6.962	6.941	6.984	VV	1773	18167	0.27%	0.073%
60	7.016	6.984	7.040	VV	302	4759	0.07%	0.019%
61	7.065	7.040	7.096	PV	504	8404	0.12%	0.034%
62	7.117	7.096	7.132	VV	486	6640	0.10%	0.027%
63	7.139	7.132	7.162	VV	412	4092	0.06%	0.016%
64	7.187	7.162	7.217	VV	1464	18551	0.27%	0.074%
65	7.242	7.217	7.257	VV	2202	29408	0.43%	0.118%
66	7.262	7.257	7.276	VV	1218	11806	0.17%	0.047%
67	7.295	7.276	7.299	VV	1705	17829	0.26%	0.071%
68	7.304	7.299	7.339	VV	1823	21512	0.32%	0.086%
69	7.370	7.339	7.439	VV	3151	53025	0.78%	0.212%

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70	7.456	7.439	7.465	VV	582	5701	0.08%	0.023%
71	7.478	7.465	7.491	VV	542			
72	7.504	7.491	7.516	VV	537			
73	7.535	7.516	7.565	VV	5673			
74	7.596	7.565	7.609	VV	791			
75	7.614	7.609	7.627	VV	663	5508	0.08%	0.022%
76	7.645	7.627	7.659	VV	1099	13142	0.19%	0.053%
77	7.677	7.659	7.697	VV	1758	22469	0.33%	0.090%
78	7.714	7.697	7.724	VV	495	5789	0.09%	0.023%
79	7.742	7.724	7.756	VV	932	12453	0.18%	0.050%
80	7.771	7.756	7.796	VV	1339	15658	0.23%	0.063%
81	7.845	7.796	7.875	VV	288	8323	0.12%	0.033%
82	7.893	7.875	7.902	VV	437	4583	0.07%	0.018%
83	7.912	7.902	7.924	VV	387	3912	0.06%	0.016%
84	7.943	7.924	7.961	VV	2037	22089	0.32%	0.088%
85	7.995	7.961	8.071	VV	681186	6800075	100.00%	27.191%
86	8.089	8.071	8.134	VV	885	21850	0.32%	0.087%
87	8.138	8.134	8.182	VV	408	7888	0.12%	0.032%
88	8.207	8.182	8.230	VV	513	6828	0.10%	0.027%
89	8.252	8.230	8.280	VV	1387	18100	0.27%	0.072%
90	8.311	8.280	8.322	VV	377	6156	0.09%	0.025%
91	8.360	8.322	8.374	VV	652	14946	0.22%	0.060%
92	8.377	8.374	8.416	VV	519	6077	0.09%	0.024%
93	8.457	8.416	8.466	VV	614	10716	0.16%	0.043%
94	8.482	8.466	8.495	VV	826	10598	0.16%	0.042%
95	8.510	8.495	8.523	VV	635	7537	0.11%	0.030%
96	8.559	8.523	8.579	VV	2854	37559	0.55%	0.150%
97	8.590	8.579	8.602	VV	554	6304	0.09%	0.025%
98	8.619	8.602	8.634	VV	593	8625	0.13%	0.034%
99	8.655	8.634	8.692	VV	1121	28931	0.43%	0.116%
100	8.710	8.692	8.737	VV	912	15772	0.23%	0.063%
101	8.755	8.737	8.774	VV	993	13238	0.19%	0.053%
102	8.793	8.774	8.827	VV	1106	14874	0.22%	0.059%
103	8.869	8.827	8.900	VV	437630	4415949	64.94%	17.658%
104	8.916	8.900	8.941	VV	1479	29301	0.43%	0.117%
105	8.945	8.941	8.954	VV	577	4050	0.06%	0.016%
106	8.975	8.954	8.994	VV	751	16729	0.25%	0.067%
107	9.022	8.994	9.037	VV	1275	24667	0.36%	0.099%
108	9.052	9.037	9.061	VV	1024	12371	0.18%	0.049%
109	9.074	9.061	9.085	VV	1126	13887	0.20%	0.056%
110	9.105	9.085	9.142	VV	1574	37900	0.56%	0.152%
111	9.166	9.142	9.196	VV	747	15610	0.23%	0.062%
112	9.213	9.196	9.247	VV	896	17123	0.25%	0.068%

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113	9.287	9.247	9.349	VV	57241	661283	9.72%	2.644%
114	9.364	9.349	9.378	VV	2394			
115	9.402	9.378	9.425	VV	3972			
116	9.436	9.425	9.457	VV	1977			
117	9.473	9.457	9.493	VV	1009			
118	9.499	9.493	9.503	VV	153	1039	0.02%	0.004%
119	9.524	9.503	9.552	VV	757	13127	0.19%	0.052%
120	9.567	9.552	9.589	VV	525	8528	0.13%	0.034%
121	9.609	9.589	9.641	VV	707	12529	0.18%	0.050%
122	9.671	9.641	9.683	VV	1033	14696	0.22%	0.059%
123	9.690	9.683	9.705	VV	797	7720	0.11%	0.031%
124	9.711	9.705	9.730	VV	396	5159	0.08%	0.021%
125	9.753	9.730	9.796	VV	1661	28299	0.42%	0.113%
126	9.832	9.796	9.872	VV	629	15377	0.23%	0.061%
127	9.893	9.872	9.921	VV	821	11536	0.17%	0.046%
128	9.958	9.921	9.976	VV	514	10987	0.16%	0.044%
129	10.002	9.976	10.013	VV	2976	34176	0.50%	0.137%
130	10.032	10.013	10.060	VV	28889	301283	4.43%	1.205%
131	10.086	10.060	10.126	VV	729	16728	0.25%	0.067%
132	10.166	10.126	10.194	VV	2044	29031	0.43%	0.116%
133	10.201	10.194	10.209	VV	191	1496	0.02%	0.006%
134	10.237	10.217	10.252	VV	627	9158	0.13%	0.037%
135	10.255	10.252	10.298	VV	481	8701	0.13%	0.035%
136	10.316	10.298	10.326	PV	363	4140	0.06%	0.017%
137	10.337	10.326	10.348	VV	437	4663	0.07%	0.019%
138	10.361	10.348	10.385	VV	639	7008	0.10%	0.028%
139	10.446	10.419	10.461	VV	365	5342	0.08%	0.021%
140	10.491	10.461	10.527	VV	701	18902	0.28%	0.076%
141	10.560	10.527	10.577	VV	867	17407	0.26%	0.070%
142	10.600	10.577	10.617	VV	920	16098	0.24%	0.064%
143	10.634	10.617	10.663	VV	743	15549	0.23%	0.062%
144	10.686	10.663	10.708	VV	1266	19433	0.29%	0.078%
145	10.724	10.708	10.738	VV	505	6690	0.10%	0.027%
146	10.767	10.738	10.777	VV	872	15231	0.22%	0.061%
147	10.791	10.777	10.819	VV	967	20435	0.30%	0.082%
148	10.854	10.819	10.876	VV	1201	28611	0.42%	0.114%
149	10.880	10.876	10.885	VV	647	3441	0.05%	0.014%
150	10.905	10.885	10.939	VV	1303	27151	0.40%	0.109%
151	10.960	10.939	10.973	VV	992	13760	0.20%	0.055%
152	10.986	10.973	11.010	VV	806	16295	0.24%	0.065%
153	11.034	11.010	11.076	VV	2053	38709	0.57%	0.155%
154	11.096	11.076	11.104	VV	589	7700	0.11%	0.031%
155	11.124	11.104	11.146	VV	731	13752	0.20%	0.055%

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156	11.157	11.146	11.170	VV	654	7663	0.11%	0.031%
157	11.185	11.170	11.207	VV	738			
158	11.225	11.207	11.259	VV	639			
159	11.277	11.259	11.285	VV	507			
160	11.333	11.285	11.351	VV	1033			
161	11.357	11.351	11.382	VV	565	6560	0.10%	0.026%
162	11.396	11.382	11.402	VV	283	2317	0.03%	0.009%
163	11.409	11.402	11.422	VV	286	3036	0.04%	0.012%
164	11.430	11.422	11.444	VV	227	2567	0.04%	0.010%
165	11.470	11.452	11.497	VV	295	4927	0.07%	0.020%
166	11.541	11.497	11.564	VV	912	15572	0.23%	0.062%
167	11.579	11.564	11.591	VV	528	5816	0.09%	0.023%
168	11.608	11.591	11.641	VV	1880	24638	0.36%	0.099%
169	11.654	11.641	11.667	VV	425	5642	0.08%	0.023%
170	11.684	11.667	11.738	VV	673	14632	0.22%	0.059%
171	11.766	11.738	11.787	VV	787	10101	0.15%	0.040%
172	11.799	11.787	11.806	VV	341	2823	0.04%	0.011%
173	11.808	11.806	11.839	VV	337	4598	0.07%	0.018%
174	11.846	11.839	11.862	VV	215	2072	0.03%	0.008%
175	11.930	11.862	11.981	PV	420979	4685758	68.91%	18.737%
176	11.998	11.981	12.017	VV	1021	16547	0.24%	0.066%
177	12.030	12.017	12.049	VV	825	12960	0.19%	0.052%
178	12.076	12.049	12.116	VV	1162	24991	0.37%	0.100%
179	12.148	12.116	12.169	VV	342	9333	0.14%	0.037%
180	12.186	12.169	12.192	VV	325	4178	0.06%	0.017%
181	12.215	12.192	12.229	VV	547	10036	0.15%	0.040%
182	12.269	12.229	12.298	VV	1514	39363	0.58%	0.157%
183	12.329	12.298	12.352	VV	7701	98957	1.46%	0.396%
184	12.370	12.352	12.396	VV	1321	18427	0.27%	0.074%
185	12.418	12.396	12.424	VV	678	8660	0.13%	0.035%
186	12.429	12.424	12.460	VV	662	11277	0.17%	0.045%
187	12.526	12.460	12.594	VV	70267	873113	12.84%	3.491%
188	12.606	12.594	12.624	VV	1025	16051	0.24%	0.064%
189	12.639	12.624	12.671	VV	878	20890	0.31%	0.084%
190	12.686	12.671	12.706	VV	826	15223	0.22%	0.061%
191	12.710	12.706	12.738	VV	710	12058	0.18%	0.048%
192	12.778	12.738	12.829	VV	5133	86546	1.27%	0.346%
193	12.857	12.829	12.887	VV	1591	26479	0.39%	0.106%
194	12.918	12.887	12.941	VV	2319	32008	0.47%	0.128%
195	12.953	12.941	12.959	VV	353	3203	0.05%	0.013%
196	12.982	12.959	13.027	VV	2273	39262	0.58%	0.157%
197	13.038	13.027	13.055	VV	207	2687	0.04%	0.011%
198	13.061	13.055	13.100	VV	164	2835	0.04%	0.011%
199	13.146	13.124	13.161	PV	623	7983	0.12%	0.032%

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200	13.170	13.161	13.226	VV	475	13364	0.20%	0.053%
201	13.239	13.234	13.256	VV	248			
202	13.276	13.256	13.305	VV	756			
203	13.364	13.305	13.397	VV	92256	1		
204	13.412	13.397	13.436	VV	524			
205	13.438	13.436	13.441	VV	444	1203	0.02%	0.005%
206	13.445	13.441	13.461	VV	456	4465	0.07%	0.018%
207	13.476	13.461	13.483	VV	444	4731	0.07%	0.019%
208	13.487	13.483	13.502	VV	374	3270	0.05%	0.013%
209	13.530	13.502	13.561	VV	817	20078	0.30%	0.080%
210	13.583	13.561	13.631	VV	4323	65557	0.96%	0.262%
211	13.646	13.631	13.689	VV	546	14916	0.22%	0.060%
212	13.693	13.689	13.695	VV	384	1397	0.02%	0.006%
213	13.725	13.695	13.731	VV	774	12225	0.18%	0.049%
214	13.756	13.731	13.852	VV	27333	365535	5.38%	1.462%
215	13.872	13.852	13.897	VV	557	11536	0.17%	0.046%
216	13.910	13.897	13.915	VV	470	4631	0.07%	0.019%
217	13.936	13.915	13.954	VV	700	11830	0.17%	0.047%
218	13.966	13.954	13.970	VV	506	4416	0.06%	0.018%
219	13.980	13.970	14.015	VV	599	11779	0.17%	0.047%
220	14.034	14.015	14.041	VV	476	5964	0.09%	0.024%
221	14.065	14.041	14.091	VV	1498	24025	0.35%	0.096%
222	14.117	14.091	14.196	VV	2034	36854	0.54%	0.147%
223	14.215	14.196	14.235	VV	216	3799	0.06%	0.015%
224	14.341	14.305	14.364	PV	301	6930	0.10%	0.028%
225	14.374	14.364	14.399	VV	276	3940	0.06%	0.016%
226	14.414	14.409	14.429	VV	173	1631	0.02%	0.007%
227	14.443	14.429	14.466	VV	237	4227	0.06%	0.017%
228	14.473	14.466	14.492	VV	229	3179	0.05%	0.013%
229	14.551	14.492	14.594	VV	1518	40493	0.60%	0.162%
230	14.600	14.594	14.628	VV	399	7044	0.10%	0.028%
231	14.636	14.628	14.659	VV	365	5183	0.08%	0.021%
232	14.678	14.659	14.712	VV	808	13995	0.21%	0.056%
233	14.736	14.712	14.756	VV	649	11744	0.17%	0.047%
234	14.777	14.756	14.796	VV	484	8977	0.13%	0.036%
235	14.811	14.796	14.816	VV	477	4985	0.07%	0.020%
236	14.819	14.816	14.823	VV	505	2050	0.03%	0.008%
237	14.826	14.823	14.841	VV	461	4703	0.07%	0.019%
238	14.846	14.841	14.864	VV	408	4594	0.07%	0.018%
239	14.869	14.864	14.876	VV	320	1909	0.03%	0.008%
240	14.918	14.876	14.954	VV	957	22858	0.34%	0.091%
241	14.996	14.954	15.017	VV	1383	25351	0.37%	0.101%
242	15.031	15.017	15.042	VV	536	7231	0.11%	0.029%

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243	15.063	15.042	15.094	VV	423	10270	0.15%	0.041%
244	15.097	15.094	15.122	VV	264			
245	15.177	15.132	15.200	VV	1148			
246	15.220	15.200	15.241	VV	1999			
247	15.265	15.241	15.305	VV	2739			
248	15.321	15.305	15.356	VV	352	5634	0.08%	0.023%
249	15.386	15.365	15.411	PV	583	8223	0.12%	0.033%
250	15.418	15.411	15.454	VV	189	3204	0.05%	0.013%
251	15.463	15.454	15.490	VV	144	1912	0.03%	0.008%
252	15.518	15.490	15.547	PV	237	4770	0.07%	0.019%
253	15.604	15.559	15.720	PV	10091	257400	3.79%	1.029%
254	15.757	15.720	15.782	VV	1474	34067	0.50%	0.136%
255	15.796	15.782	15.837	VV	401	8503	0.13%	0.034%
256	15.844	15.837	15.849	VV	176	1126	0.02%	0.005%
257	15.877	15.849	15.894	VV	280	6138	0.09%	0.025%
258	15.899	15.894	15.911	VV	223	1918	0.03%	0.008%
259	15.952	15.911	15.989	VV	501	12025	0.18%	0.048%
260	16.001	15.989	16.008	VV	137	1203	0.02%	0.005%
261	16.062	16.020	16.087	VV	326	9623	0.14%	0.038%
262	16.106	16.087	16.119	VV	391	5593	0.08%	0.022%
263	16.132	16.119	16.159	VV	445	7548	0.11%	0.030%
264	16.168	16.159	16.179	VV	224	2410	0.04%	0.010%
265	16.201	16.179	16.217	VV	804	12164	0.18%	0.049%
266	16.243	16.217	16.277	VV	3209	48286	0.71%	0.193%
267	16.301	16.277	16.330	VV	641	11427	0.17%	0.046%
268	16.338	16.330	16.359	VV	80	1068	0.02%	0.004%
269	16.371	16.359	16.389	VV	124	1605	0.02%	0.006%
270	16.420	16.399	16.425	VV	167	1869	0.03%	0.007%
271	16.566	16.537	16.571	VV	111	1079	0.02%	0.004%
272	16.631	16.589	16.661	VV	843	20888	0.31%	0.084%
273	16.667	16.661	16.694	VV	458	8230	0.12%	0.033%
274	16.726	16.694	16.769	VV	5581	84690	1.25%	0.339%
275	16.807	16.778	16.833	VV	1931	27891	0.41%	0.112%
276	16.855	16.833	16.876	VV	907	12847	0.19%	0.051%
277	16.881	16.876	16.892	VV	232	1706	0.03%	0.007%
278	16.897	16.892	16.904	VV	261	1450	0.02%	0.006%
279	16.921	16.904	16.936	VV	330	4873	0.07%	0.019%
280	16.939	16.936	16.952	VV	228	1685	0.02%	0.007%
281	16.958	16.952	16.979	VV	159	1763	0.03%	0.007%
282	17.085	17.013	17.105	VV	372	8284	0.12%	0.033%
283	17.112	17.105	17.119	VV	246	1581	0.02%	0.006%
284	17.123	17.119	17.139	VV	221	1977	0.03%	0.008%
285	17.193	17.139	17.222	VV	15069	225977	3.32%	0.904%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-5

Manual IntegrationsAPPROVED

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

					rteres			
286	17.242	17.222	17.297	VV	3095	52782	0.78%	0.211%
287	17.312	17.297	17.329	VV	205			
288	17.341	17.329	17.352	VV	204			
289	17.402	17.366	17.407	VV	110			
290	17.429	17.407	17.444	PV	119			
291	17.477	17.456	17.502	VV	275	4410	0.06%	0.018%
292	17.533	17.502	17.549	VV	387	6079	0.09%	0.024%
293	17.577	17.549	17.597	VV	484	9763	0.14%	0.039%
294	17.643	17.597	17.703	VV	18793	290761	4.28%	1.163%
295	17.729	17.703	17.735	VV	619	9092	0.13%	0.036%
296	17.738	17.735	17.761	VV	564	6353	0.09%	0.025%
297	17.771	17.761	17.776	VV	290	2487	0.04%	0.010%
298	17.782	17.776	17.791	VV	305	2184	0.03%	0.009%
299	17.809	17.791	17.814	VV	236	2962	0.04%	0.012%
300	17.818	17.814	17.829	VV	243	1453	0.02%	0.006%
301	17.869	17.829	17.908	VV	1007	18094	0.27%	0.072%
302	17.938	17.908	17.970	VV	1198	20696	0.30%	0.083%
303	18.080	17.986	18.137	PV	20992	334110	4.91%	1.336%
304	18.170	18.137	18.217	VV	3442	53897	0.79%	0.216%
305	18.246	18.217	18.256	VV	231	4588	0.07%	0.018%
306	18.261	18.256	18.282	VV	189	1687	0.02%	0.007%
307	18.308	18.282	18.312	PV	214	2460	0.04%	0.010%
308	18.317	18.312	18.330	VV	228	1893	0.03%	0.008%
309	18.355	18.330	18.377	VV	693	10611	0.16%	0.042%
310	18.400	18.377	18.417	PV	438	5693	0.08%	0.023%
311	18.448	18.417	18.476	VV	4437	96789	1.42%	0.387%
312	18.503	18.476	18.576	VV	15621	267958	3.94%	1.071%
313	18.598	18.576	18.624	VV	615	13262	0.20%	0.053%
314	18.630	18.624	18.664	VV	309	4572	0.07%	0.018%
315	18.713	18.664	18.736	PV	247	3152	0.05%	0.013%
316	18.767	18.736	18.792	PV	564	9301	0.14%	0.037%
			Sum of corrected areas:			25008693		

Aromatic EPH 110724.M Sat Nov 09 05:41:23 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-5		SDG No.:	P4721	
Lab Sample ID:	P4721-12		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.9	
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
FG014714.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.44	J	0.44	1.15	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.61	J	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	0.35	1.15	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	0.92	1.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.07	U	2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.9		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-12	Acq On:	08 Nov 2024 17:02
Client Sample ID:	EX-9-TPH-5	Operator:	YP\AJ
Data file:	FG014714.D	Misc:	
Instrument:	FID_G	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.844	751961	5.725	300	ug/ml
Aliphatic C12-C16	6.845	10.289	1079282	7.946	200	ug/ml
Aliphatic C16-C21	10.290	13.661	616820	4.367	300	ug/ml
Aliphatic C21-C28	13.662	17.327	516026	3.671	400	ug/ml
Aliphatic C28-C40	17.328	22.264	2638403	24.964	600	ug/ml
Aliphatic EPH	3.223	22.264	5602492	46.673		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	4278741	34.85		ug/ml
Aliphatic C9-C28	3.223	17.327	2964089	21.709	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014714.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:02
Operator : YP\AJ
Sample : P4721-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-5

Integration File: autoint1.e
Quant Time: Nov 09 03:41:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.391	4278741	34.846 ug/ml
Spiked Amount 50.000		Recovery = 69.69%	
Target Compounds			

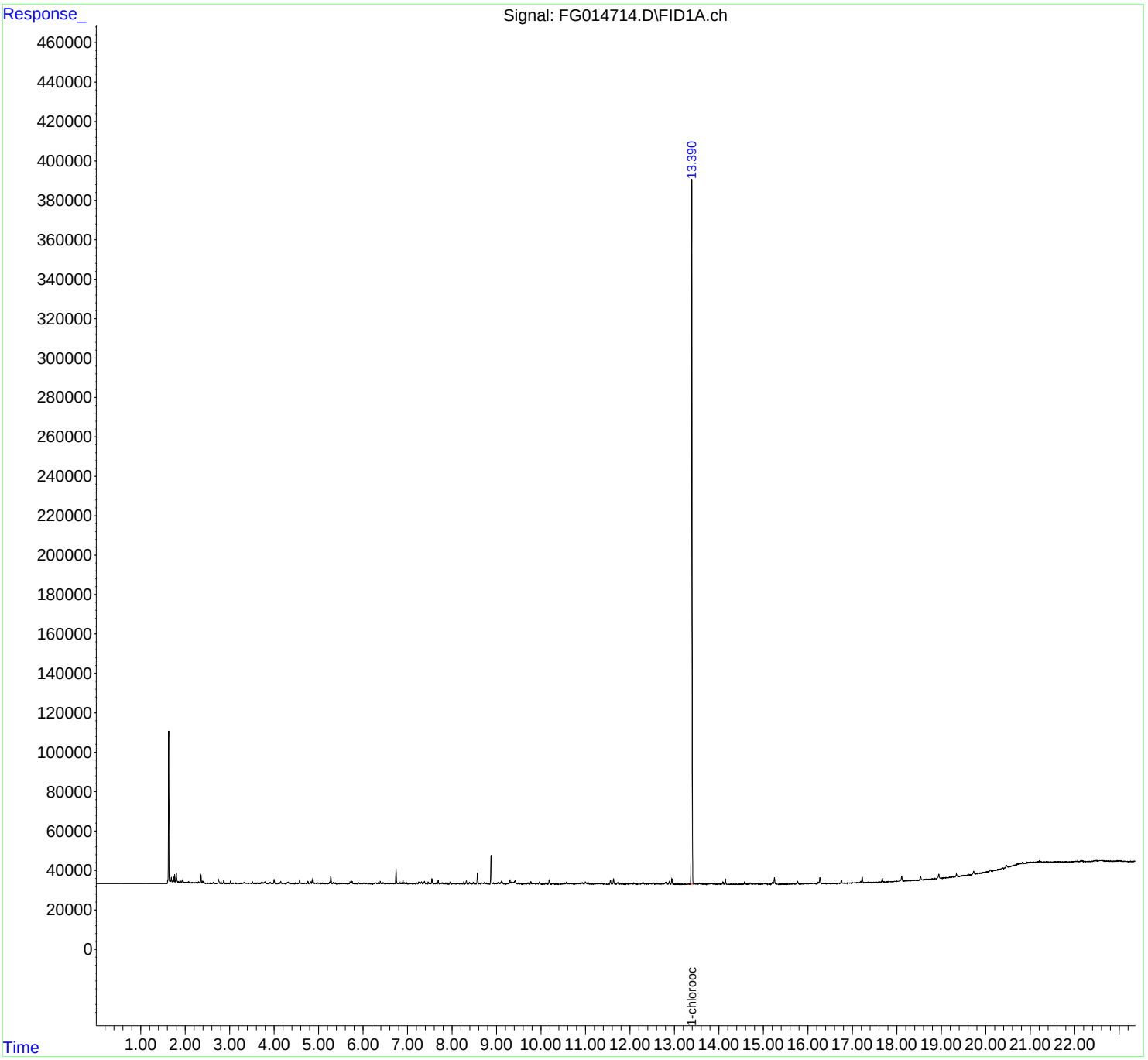
(f)=RT Delta > 1/2 Window (m)=manual int.

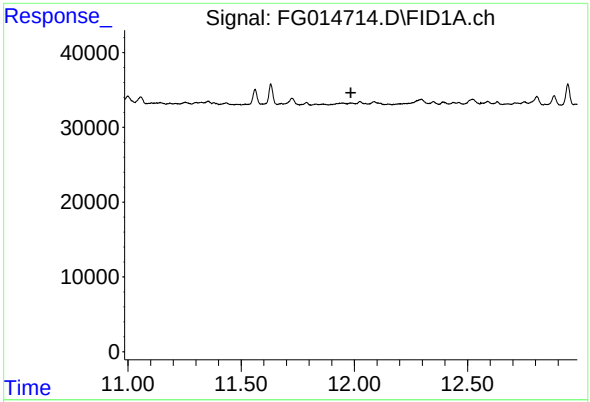
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014714.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:02
Operator : YP\AJ
Sample : P4721-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-5

Integration File: autoint1.e
Quant Time: Nov 09 03:41:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

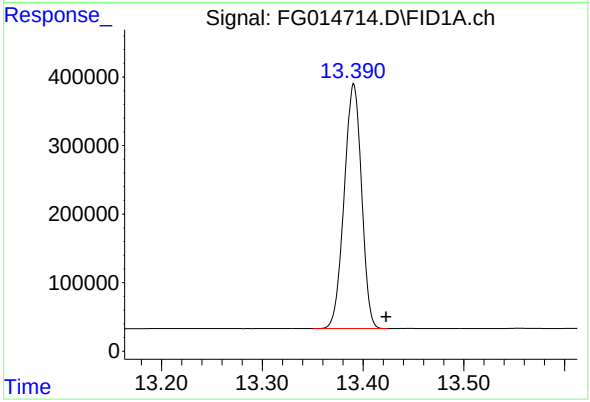




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-5



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.032 min
Response: 4278741
Conc: 34.85 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014714.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:02
Sample : P4721-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	2.639	2.602	2.698	BV	623	6268	0.15%	0.063%
2	2.716	2.698	2.729	PV	62	889	0.02%	0.009%
3	2.747	2.729	2.785	VV	2081	28694	0.67%	0.287%
4	2.806	2.785	2.835	VV	1005	10056	0.23%	0.101%
5	2.869	2.835	2.935	PV	1560	17359	0.40%	0.174%
6	2.965	2.935	2.997	PV	183	2725	0.06%	0.027%
7	3.022	2.997	3.062	VV	1362	13204	0.31%	0.132%
8	3.110	3.062	3.131	VV	166	4368	0.10%	0.044%
9	3.140	3.131	3.165	VV	154	2519	0.06%	0.025%
10	3.192	3.165	3.220	VV	227	5226	0.12%	0.052%
11	3.326	3.220	3.393	VV	569	18997	0.44%	0.190%
12	3.512	3.393	3.532	VV	1010	19625	0.46%	0.197%
13	3.543	3.532	3.554	VV	185	2276	0.05%	0.023%
14	3.566	3.554	3.618	VV	268	6759	0.16%	0.068%
15	3.640	3.618	3.694	VV	333	9851	0.23%	0.099%
16	3.720	3.694	3.754	VV	751	13619	0.32%	0.136%
17	3.770	3.754	3.782	VV	511	6331	0.15%	0.063%
18	3.797	3.782	3.829	VV	964	11583	0.27%	0.116%
19	3.850	3.829	3.872	VV	160	3563	0.08%	0.036%
20	3.912	3.872	3.944	VV	745	12063	0.28%	0.121%
21	3.962	3.944	3.978	VV	160	2625	0.06%	0.026%
22	4.000	3.978	4.076	VV	2257	28052	0.65%	0.281%
23	4.115	4.076	4.131	VV	717	9619	0.22%	0.096%
24	4.149	4.131	4.173	VV	1122	13344	0.31%	0.134%
25	4.185	4.173	4.198	VV	208	2464	0.06%	0.025%
26	4.225	4.198	4.256	VV	389	6541	0.15%	0.066%
27	4.319	4.256	4.339	VV	861	21314	0.50%	0.214%
28	4.346	4.339	4.441	VV	389	11768	0.27%	0.118%
29	4.469	4.441	4.496	VV	270	6129	0.14%	0.061%
30	4.509	4.496	4.552	VV	236	5881	0.14%	0.059%
31	4.574	4.552	4.597	VV	1589	19158	0.45%	0.192%
32	4.612	4.597	4.632	VV	339	4525	0.11%	0.045%
33	4.649	4.632	4.667	VV	238	3417	0.08%	0.034%
34	4.699	4.667	4.721	VV	446	8578	0.20%	0.086%
35	4.762	4.721	4.806	VV	1196	21671	0.51%	0.217%
36	4.825	4.806	4.840	VV	1009	11964	0.28%	0.120%

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37	4.858	4.840	4.901	VV	2064	27029	0.63%	0.271%
38	4.938	4.901	4.953	VV	353	8788	0.20%	0.088%
39	4.987	4.953	5.008	VV	466	9885	0.23%	0.099%
40	5.034	5.008	5.052	VV	362	7681	0.18%	0.077%
41	5.086	5.052	5.136	VV	382	11271	0.26%	0.113%
42	5.149	5.136	5.168	VV	183	2901	0.07%	0.029%
43	5.188	5.168	5.213	VV	401	5899	0.14%	0.059%
44	5.275	5.213	5.307	VV	3968	58265	1.36%	0.584%
45	5.336	5.307	5.375	VV	803	15442	0.36%	0.155%
46	5.391	5.375	5.432	VV	261	4755	0.11%	0.048%
47	5.485	5.432	5.505	VV	304	6322	0.15%	0.063%
48	5.518	5.505	5.545	VV	411	5477	0.13%	0.055%
49	5.556	5.545	5.572	VV	227	2613	0.06%	0.026%
50	5.584	5.572	5.602	VV	196	2698	0.06%	0.027%
51	5.620	5.602	5.633	VV	157	2370	0.06%	0.024%
52	5.676	5.633	5.692	VV	213	5147	0.12%	0.052%
53	5.709	5.692	5.730	VV	1074	15003	0.35%	0.150%
54	5.754	5.730	5.777	VV	1344	18664	0.44%	0.187%
55	5.814	5.777	5.855	VV	341	8377	0.20%	0.084%
56	5.896	5.855	5.961	VV	662	16411	0.38%	0.164%
57	5.976	5.961	5.989	VV	238	3199	0.07%	0.032%
58	6.020	5.989	6.047	VV	642	11808	0.28%	0.118%
59	6.056	6.047	6.065	VV	216	2151	0.05%	0.022%
60	6.079	6.065	6.112	VV	333	6430	0.15%	0.064%
61	6.144	6.112	6.168	VV	227	4964	0.12%	0.050%
62	6.190	6.168	6.212	PV	328	4359	0.10%	0.044%
63	6.242	6.212	6.258	VV	401	6403	0.15%	0.064%
64	6.281	6.258	6.325	VV	625	17216	0.40%	0.172%
65	6.342	6.325	6.364	VV	771	9768	0.23%	0.098%
66	6.387	6.364	6.416	VV	1335	18001	0.42%	0.180%
67	6.451	6.416	6.491	VV	859	16166	0.38%	0.162%
68	6.527	6.491	6.556	VV	528	13859	0.32%	0.139%
69	6.568	6.556	6.595	VV	323	5864	0.14%	0.059%
70	6.620	6.595	6.647	VV	351	7620	0.18%	0.076%
71	6.663	6.647	6.681	VV	311	4733	0.11%	0.047%
72	6.702	6.681	6.719	VV	233	4571	0.11%	0.046%
73	6.741	6.719	6.803	VV	7794	87438	2.04%	0.876%
74	6.830	6.803	6.850	VV	774	10696	0.25%	0.107%
75	6.867	6.850	6.878	VV	595	6750	0.16%	0.068%
76	6.897	6.878	6.918	VV	1895	22295	0.52%	0.223%
77	6.932	6.918	6.952	VV	684	8874	0.21%	0.089%
78	6.971	6.952	7.001	VV	831	10834	0.25%	0.109%
79	7.028	7.001	7.046	VV	325	5402	0.13%	0.054%
80	7.073	7.046	7.103	VV	441	9181	0.21%	0.092%
81	7.147	7.103	7.176	VV	340	9192	0.21%	0.092%
82	7.199	7.176	7.232	VV	765	11890	0.28%	0.119%
83	7.253	7.232	7.290	VV	1113	22636	0.53%	0.227%
84	7.315	7.290	7.346	VV	1038	20410	0.48%	0.204%
85	7.381	7.346	7.404	VV	1343	24262	0.57%	0.243%
86	7.420	7.404	7.438	VV	410	5238	0.12%	0.052%
87	7.464	7.438	7.504	VV	1073	17038	0.40%	0.171%
88	7.517	7.504	7.529	VV	306	3597	0.08%	0.036%
89	7.548	7.529	7.579	VV	2660	33617	0.78%	0.337%

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90	7.608	7.579	7.619	VV	471	7695	0.18%	0.077%
91	7.628	7.619	7.642	VV	445	4951	0.12%	0.050%
92	7.656	7.642	7.669	VV	650	8049	0.19%	0.081%
93	7.689	7.669	7.715	VV	1965	23799	0.56%	0.238%
94	7.755	7.715	7.768	VV	487	10450	0.24%	0.105%
95	7.783	7.768	7.837	VV	679	12501	0.29%	0.125%
96	7.863	7.837	7.890	VV	439	8600	0.20%	0.086%
97	7.911	7.890	7.934	VV	212	3400	0.08%	0.034%
98	7.957	7.934	7.991	VV	1095	14450	0.34%	0.145%
99	8.034	7.991	8.089	VV	423	13583	0.32%	0.136%
100	8.123	8.089	8.142	VV	438	8431	0.20%	0.084%
101	8.151	8.142	8.165	VV	358	3759	0.09%	0.038%
102	8.176	8.165	8.196	VV	330	3985	0.09%	0.040%
103	8.219	8.196	8.240	VV	450	6189	0.14%	0.062%
104	8.266	8.240	8.290	VV	1301	16490	0.38%	0.165%
105	8.322	8.290	8.344	VV	1683	21403	0.50%	0.214%
106	8.362	8.344	8.374	VV	305	4152	0.10%	0.042%
107	8.393	8.374	8.411	VV	996	11965	0.28%	0.120%
108	8.424	8.411	8.459	VV	375	7554	0.18%	0.076%
109	8.479	8.459	8.502	VV	932	11787	0.27%	0.118%
110	8.512	8.502	8.525	VV	266	3396	0.08%	0.034%
111	8.531	8.525	8.541	VV	266	2167	0.05%	0.022%
112	8.573	8.541	8.649	VV	5886	76994	1.80%	0.771%
113	8.672	8.649	8.708	VV	694	16339	0.38%	0.164%
114	8.730	8.708	8.752	VV	865	13918	0.32%	0.139%
115	8.769	8.752	8.795	VV	545	8261	0.19%	0.083%
116	8.810	8.795	8.845	VV	567	8664	0.20%	0.087%
117	8.877	8.845	8.909	VV	14442	150731	3.52%	1.510%
118	8.929	8.909	8.952	VV	628	11630	0.27%	0.117%
119	8.991	8.952	9.011	VV	407	12935	0.30%	0.130%
120	9.036	9.011	9.054	VV	931	15421	0.36%	0.155%
121	9.068	9.054	9.081	VV	669	8476	0.20%	0.085%
122	9.117	9.081	9.160	VV	1746	37360	0.87%	0.374%
123	9.183	9.160	9.213	VV	455	8154	0.19%	0.082%
124	9.234	9.213	9.255	VV	435	6386	0.15%	0.064%
125	9.268	9.255	9.282	VV	320	4372	0.10%	0.044%
126	9.302	9.282	9.321	VV	2203	27380	0.64%	0.274%
127	9.338	9.321	9.384	VV	1194	30610	0.71%	0.307%
128	9.420	9.384	9.471	VV	2162	47993	1.12%	0.481%
129	9.491	9.471	9.514	VV	718	9759	0.23%	0.098%
130	9.540	9.514	9.574	VV	451	7442	0.17%	0.075%
131	9.622	9.574	9.632	VV	345	6819	0.16%	0.068%
132	9.644	9.632	9.672	VV	374	6834	0.16%	0.068%
133	9.706	9.672	9.748	VV	659	16489	0.38%	0.165%
134	9.773	9.748	9.808	VV	1302	21364	0.50%	0.214%
135	9.825	9.808	9.839	VV	433	5784	0.13%	0.058%
136	9.860	9.839	9.888	VV	381	8043	0.19%	0.081%
137	9.911	9.888	9.943	VV	590	11714	0.27%	0.117%
138	9.963	9.943	10.004	VV	1187	16054	0.37%	0.161%
139	10.023	10.004	10.041	VV	184	3242	0.08%	0.032%
140	10.055	10.041	10.073	VV	329	3460	0.08%	0.035%
141	10.103	10.073	10.132	VV	721	10716	0.25%	0.107%

rteres

142	10.142	10.132	10.156	VV	220	2693	0.06%	0.027%
143	10.185	10.156	10.212	VV	2318	29272	0.68%	0.293%
144	10.286	10.212	10.322	VV	355	14001	0.33%	0.140%
145	10.335	10.322	10.348	VV	172	2460	0.06%	0.025%
146	10.358	10.348	10.391	VV	192	2612	0.06%	0.026%
147	10.401	10.391	10.415	VV	110	1064	0.02%	0.011%
148	10.464	10.415	10.481	VV	246	5362	0.13%	0.054%
149	10.506	10.481	10.545	VV	337	9529	0.22%	0.095%
150	10.577	10.545	10.600	VV	1112	18920	0.44%	0.190%
151	10.620	10.600	10.638	VV	464	7469	0.17%	0.075%
152	10.668	10.638	10.693	VV	327	8451	0.20%	0.085%
153	10.707	10.693	10.751	VV	280	6883	0.16%	0.069%
154	10.790	10.751	10.806	VV	386	8558	0.20%	0.086%
155	10.818	10.806	10.841	VV	380	6651	0.16%	0.067%
156	10.862	10.841	10.891	VV	548	12584	0.29%	0.126%
157	10.926	10.891	10.963	VV	854	20624	0.48%	0.207%
158	10.999	10.963	11.032	VV	1212	26543	0.62%	0.266%
159	11.056	11.032	11.085	VV	1087	20116	0.47%	0.202%
160	11.142	11.085	11.167	VV	366	13041	0.30%	0.131%
161	11.186	11.167	11.199	VV	264	3939	0.09%	0.039%
162	11.211	11.199	11.228	VV	240	3367	0.08%	0.034%
163	11.253	11.228	11.281	VV	390	8632	0.20%	0.086%
164	11.300	11.281	11.311	VV	352	5163	0.12%	0.052%
165	11.354	11.311	11.403	VV	520	18142	0.42%	0.182%
166	11.434	11.403	11.469	VV	318	6740	0.16%	0.068%
167	11.480	11.469	11.501	VV	109	1769	0.04%	0.018%
168	11.517	11.501	11.529	VV	158	1767	0.04%	0.018%
169	11.561	11.529	11.596	VV	2137	29483	0.69%	0.295%
170	11.631	11.596	11.662	VV	2814	36997	0.86%	0.371%
171	11.677	11.662	11.686	VV	253	2711	0.06%	0.027%
172	11.724	11.686	11.759	VV	933	17719	0.41%	0.178%
173	11.788	11.759	11.809	VV	385	5023	0.12%	0.050%
174	11.830	11.809	11.844	PV	159	2229	0.05%	0.022%
175	11.860	11.844	11.889	VV	171	2962	0.07%	0.030%
176	11.897	11.889	11.901	VV	127	714	0.02%	0.007%
177	11.947	11.901	11.965	VV	297	8572	0.20%	0.086%
178	11.988	11.965	12.004	VV	294	5940	0.14%	0.060%
179	12.025	12.004	12.059	VV	516	9954	0.23%	0.100%
180	12.087	12.059	12.134	VV	487	12621	0.29%	0.126%
181	12.149	12.134	12.166	VV	169	2444	0.06%	0.024%
182	12.295	12.166	12.335	VV	819	35421	0.83%	0.355%
183	12.349	12.335	12.375	VV	505	7712	0.18%	0.077%
184	12.392	12.375	12.418	VV	461	7817	0.18%	0.078%
185	12.438	12.418	12.452	VV	387	6102	0.14%	0.061%
186	12.461	12.452	12.482	VV	400	5168	0.12%	0.052%
187	12.522	12.482	12.553	VV	814	20676	0.48%	0.207%
188	12.589	12.553	12.612	VV	542	12291	0.29%	0.123%
189	12.631	12.612	12.654	VV	489	7377	0.17%	0.074%
190	12.677	12.654	12.692	VV	209	3929	0.09%	0.039%
191	12.709	12.692	12.735	VV	349	7000	0.16%	0.070%
192	12.751	12.735	12.768	VV	478	7287	0.17%	0.073%
193	12.806	12.768	12.835	VV	1211	22738	0.53%	0.228%
194	12.882	12.835	12.915	VV	1307	19856	0.46%	0.199%

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195	12.943	12.915	13.031	VV	2871	39990	0.93%	0.401%
196	13.062	13.031	13.129	VV	215	5798	0.14%	0.058%
197	13.133	13.129	13.182	VV	67	570	0.01%	0.006%
198	13.225	13.182	13.253	PV	213	5759	0.13%	0.058%
199	13.266	13.253	13.292	VV	131	2056	0.05%	0.021%
200	13.309	13.292	13.322	VV	233	2892	0.07%	0.029%
201	13.337	13.322	13.347	VV	202	2545	0.06%	0.026%
202	13.391	13.347	13.427	VV	357158	4287057	100.00%	42.953%
203	13.445	13.427	13.478	VV	314	7395	0.17%	0.074%
204	13.492	13.478	13.513	VV	197	3917	0.09%	0.039%
205	13.555	13.513	13.591	VV	540	14321	0.33%	0.143%
206	13.611	13.591	13.653	VV	378	10448	0.24%	0.105%
207	13.670	13.653	13.679	VV	241	3115	0.07%	0.031%
208	13.686	13.679	13.718	VV	210	3809	0.09%	0.038%
209	13.759	13.718	13.798	VV	341	11124	0.26%	0.111%
210	13.829	13.798	13.878	VV	409	13068	0.30%	0.131%
211	13.893	13.878	13.919	VV	185	3552	0.08%	0.036%
212	13.936	13.919	13.974	VV	263	5709	0.13%	0.057%
213	14.001	13.974	14.036	VV	297	8078	0.19%	0.081%
214	14.053	14.036	14.069	VV	199	3078	0.07%	0.031%
215	14.090	14.069	14.116	VV	1316	17572	0.41%	0.176%
216	14.144	14.116	14.185	VV	2885	38369	0.89%	0.384%
217	14.197	14.185	14.249	VV	105	2669	0.06%	0.027%
218	14.269	14.249	14.342	VV	66	1882	0.04%	0.019%
219	14.371	14.342	14.460	PV	200	8040	0.19%	0.081%
220	14.477	14.460	14.522	VV	168	3515	0.08%	0.035%
221	14.579	14.522	14.685	VV	1246	26863	0.63%	0.269%
222	14.707	14.685	14.754	VV	796	13414	0.31%	0.134%
223	14.769	14.754	14.795	VV	211	3932	0.09%	0.039%
224	14.804	14.795	14.834	VV	199	4571	0.11%	0.046%
225	14.848	14.834	14.893	VV	264	7672	0.18%	0.077%
226	14.907	14.893	14.943	VV	208	4652	0.11%	0.047%
227	14.964	14.943	14.975	VV	193	3206	0.07%	0.032%
228	15.028	14.975	15.045	VV	264	8846	0.21%	0.089%
229	15.058	15.045	15.149	VV	282	9394	0.22%	0.094%
230	15.203	15.149	15.222	VV	1061	17134	0.40%	0.172%
231	15.248	15.222	15.303	VV	3316	47238	1.10%	0.473%
232	15.311	15.303	15.349	VV	110	1363	0.03%	0.014%
233	15.378	15.349	15.402	VV	73	649	0.02%	0.007%
234	15.418	15.402	15.453	PV	189	2703	0.06%	0.027%
235	15.475	15.453	15.486	VV	101	1162	0.03%	0.012%
236	15.493	15.486	15.508	VV	66	593	0.01%	0.006%
237	15.519	15.508	15.535	VV	77	937	0.02%	0.009%
238	15.563	15.535	15.615	PV	78	2316	0.05%	0.023%
239	15.678	15.615	15.706	VV	190	6013	0.14%	0.060%
240	15.769	15.706	15.856	VV	1427	26778	0.62%	0.268%
241	15.955	15.856	15.991	VV	202	10821	0.25%	0.108%
242	16.003	15.991	16.032	VV	147	2840	0.07%	0.028%
243	16.088	16.032	16.112	VV	284	9386	0.22%	0.094%
244	16.130	16.112	16.194	VV	306	8237	0.19%	0.083%
245	16.232	16.194	16.248	VV	916	13648	0.32%	0.137%
246	16.270	16.248	16.303	VV	3144	44330	1.03%	0.444%

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247	16.311	16.303	16.348	VV	206	3352	0.08%	0.034%
248	16.358	16.348	16.395	VV	54	1284	0.03%	0.013%
249	16.442	16.395	16.459	PV	124	2776	0.06%	0.028%
250	16.477	16.459	16.509	VV	88	1798	0.04%	0.018%
251	16.581	16.509	16.616	PV	68	2455	0.06%	0.025%
252	16.627	16.616	16.656	VV	98	1361	0.03%	0.014%
253	16.669	16.656	16.682	VV	64	561	0.01%	0.006%
254	16.754	16.682	16.811	VV	1668	27710	0.65%	0.278%
255	16.840	16.811	16.874	VV	137	2969	0.07%	0.030%
256	16.883	16.874	16.892	VV	84	551	0.01%	0.006%
257	16.919	16.892	16.949	PV	155	3784	0.09%	0.038%
258	16.990	16.949	17.009	VV	105	3156	0.07%	0.032%
259	17.055	17.009	17.072	VV	190	3761	0.09%	0.038%
260	17.108	17.072	17.146	VV	214	5927	0.14%	0.059%
261	17.152	17.146	17.159	VV	123	976	0.02%	0.010%
262	17.187	17.159	17.199	VV	765	10382	0.24%	0.104%
263	17.221	17.199	17.292	VV	2878	40945	0.96%	0.410%
264	17.334	17.292	17.360	PV	92	1542	0.04%	0.015%
265	17.390	17.360	17.407	PV	76	1347	0.03%	0.013%
266	17.517	17.407	17.539	PV	107	3576	0.08%	0.036%
267	17.556	17.539	17.565	VV	103	1035	0.02%	0.010%
268	17.602	17.565	17.611	VV	109	2335	0.05%	0.023%
269	17.672	17.611	17.742	VV	1897	31266	0.73%	0.313%
270	17.780	17.742	17.799	PV	167	3877	0.09%	0.039%
271	17.856	17.799	17.869	VV	149	4954	0.12%	0.050%
272	17.876	17.869	17.892	VV	107	1330	0.03%	0.013%
273	17.955	17.892	17.980	VV	157	6689	0.16%	0.067%
274	18.004	17.980	18.029	VV	133	2375	0.06%	0.024%
275	18.109	18.029	18.148	VV	2631	45993	1.07%	0.461%
276	18.167	18.148	18.182	VV	116	956	0.02%	0.010%
277	18.190	18.182	18.194	VV	50	295	0.01%	0.003%
278	18.212	18.194	18.225	VV	64	881	0.02%	0.009%
279	18.273	18.225	18.317	VV	163	5574	0.13%	0.056%
280	18.342	18.317	18.351	VV	29	446	0.01%	0.004%
281	18.398	18.351	18.425	PV	154	3498	0.08%	0.035%
282	18.435	18.425	18.450	VV	94	809	0.02%	0.008%
283	18.457	18.450	18.465	VV	28	147	0.00%	0.001%
284	18.533	18.465	18.579	PV	1983	29939	0.70%	0.300%
285	18.631	18.579	18.642	PV	205	3578	0.08%	0.036%
286	18.666	18.642	18.705	VV	126	2492	0.06%	0.025%
287	18.797	18.705	18.809	PV	185	5814	0.14%	0.058%
288	18.855	18.809	18.871	VV	76	2587	0.06%	0.026%
289	18.943	18.871	18.979	PV	2259	40542	0.95%	0.406%
290	18.987	18.979	19.001	VV	131	1295	0.03%	0.013%
291	19.093	19.001	19.124	PV	132	5648	0.13%	0.057%
292	19.177	19.124	19.189	VV	73	1298	0.03%	0.013%
293	19.259	19.189	19.271	PV	108	3749	0.09%	0.038%
294	19.340	19.271	19.405	PV	1199	21140	0.49%	0.212%
295	19.522	19.405	19.535	VV	205	7193	0.17%	0.072%
296	19.595	19.535	19.608	VV	163	5521	0.13%	0.055%
297	19.627	19.608	19.636	VV	254	2727	0.06%	0.027%
298	19.728	19.636	19.758	VV	1804	39764	0.93%	0.398%
299	19.872	19.758	19.895	VV	526	31086	0.73%	0.311%

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300	20.036	19.895	20.049	VV	726	47995	1.12%	0.481%
301	20.103	20.049	20.128	VV	1555	46024	1.07%	0.461%
302	20.379	20.128	20.402	VV	1650	189601	4.42%	1.900%
303	20.467	20.402	20.496	VV	2870	109915	2.56%	1.101%
304	20.745	20.496	20.752	VV	2788	354987	8.28%	3.557%
305	20.828	20.752	20.862	VV	3156	189996	4.43%	1.904%
306	21.006	20.862	21.045	VV	3010	313865	7.32%	3.145%
307	21.073	21.045	21.084	VV	2737	63257	1.48%	0.634%
308	21.096	21.084	21.103	VV	2760	29580	0.69%	0.296%
309	21.115	21.103	21.125	VV	2733	36858	0.86%	0.369%
310	21.217	21.125	21.264	VV	3152	223912	5.22%	2.243%
311	21.275	21.264	21.284	VV	2332	27932	0.65%	0.280%
312	21.302	21.284	21.318	VV	2325	46004	1.07%	0.461%
313	21.360	21.318	21.395	VV	2197	99970	2.33%	1.002%
314	21.407	21.395	21.449	VV	2074	63825	1.49%	0.639%
315	21.455	21.449	21.469	VV	1898	22331	0.52%	0.224%
316	21.472	21.469	21.479	VV	1879	10902	0.25%	0.109%
317	21.495	21.479	21.532	VV	1805	54603	1.27%	0.547%
318	21.589	21.532	21.617	VV	1609	80152	1.87%	0.803%
319	21.662	21.617	21.700	VV	1554	70688	1.65%	0.708%
320	21.712	21.700	21.745	VV	1264	32409	0.76%	0.325%
321	21.764	21.745	21.778	VV	1135	20704	0.48%	0.207%
322	21.810	21.778	21.828	VV	967	28534	0.67%	0.286%
323	21.838	21.828	21.847	VV	848	9574	0.22%	0.096%
324	21.946	21.847	21.959	VV	716	49029	1.14%	0.491%
325	22.020	21.959	22.027	VV	720	26777	0.62%	0.268%
326	22.045	22.027	22.097	VV	688	22859	0.53%	0.229%
327	22.149	22.097	22.216	VV	646	30356	0.71%	0.304%
328	22.226	22.216	22.252	VBA	90	12466	0.29%	0.125%

Sum of corrected areas: 9980859

Aliphatic EPH 102124.M Sat Nov 09 05:18:31 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-6			SDG No.:	P4721
Lab Sample ID:	P4721-13			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	83.6
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
11/08/24 08:47	11/08/24 17:30	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.63	J	1	0.45	1.20	mg/kg	FG014715.D
Aliphatic C12-C16	Aliphatic C12-C16	0.90		1	0.29	0.80	mg/kg	FG014715.D
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	1	0.36	1.20	mg/kg	FG014715.D
Aliphatic C21-C28	Aliphatic C21-C28	0.96	U	1	0.96	1.59	mg/kg	FG014715.D
Aliphatic C28-C40	Aliphatic C28-C40	2.15	U	1	2.15	2.39	mg/kg	FG014715.D
Aromatic C10-C12	Aromatic C10-C12	0.49	J	1	0.36	0.80	mg/kg	FF014983.D
Aromatic C12-C16	Aromatic C12-C16	0.60	J	1	0.41	1.20	mg/kg	FF014983.D
Aromatic C16-C21	Aromatic C16-C21	2.27		1	1.15	1.99	mg/kg	FF014983.D
Aromatic C21-C36	Aromatic C21-C36	2.39	U	1	2.39	3.19	mg/kg	FF014983.D
Total AliphaticEPH	Total AliphaticEPH	4.21	U		4.21	7.18	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.30	U		4.30	7.18	mg/kg	
Total EPH	Total EPH	8.51	U		8.51	14.4	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-6		SDG No.:	P4721	
Lab Sample ID:	P4721-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.6	
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
FF014983.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.49	J	0.36	0.80	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.60	J	0.41	1.20	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.27		1.15	1.99	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.39	U	2.39	3.19	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.2		40 - 140	84%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.1		40 - 140	42%	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:	P4721-13	Acq On:	08 Nov 2024 21:17
Client Sample ID:	EX-9-TPH-6	Operator:	YP\AJ
Data file:	FF014983.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	958574	6.202	200	ug/ml
Aromatic C12-C16	6.366	8.961	1153015	7.509	300	ug/ml
Aromatic C16-C21	8.962	13.378	4046021	28.474	500	ug/ml
Aromatic C21-C36	13.379	18.826	2523675	18.282	800	ug/ml
Aromatic EPH	4.496	18.826	8681285	60.466		ug/ml
2-Bromonaphthalene (SURR)	7.994	7.994	5614472	42.19		ug/ml
2-Flurobiphenyl (SURR)	8.869	8.869	3790854	42.5		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	3112087	21.13		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014983.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:17
Operator : YP\AJ
Sample : P4721-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-6

Integration File: autoint1.e
Quant Time: Nov 09 00:28:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.994	5614472	42.188 ug/ml
Spiked Amount 50.000		Recovery = 84.38%	
6) S 2-Flurobiphenyl (SURR)	8.869	3790854	42.504 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 85.01%	
11) S ortho-Terphenyl (SURR)	11.929	3112087	21.129 ug/ml
Spiked Amount 50.000		Recovery = 42.26%	
Target Compounds			

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

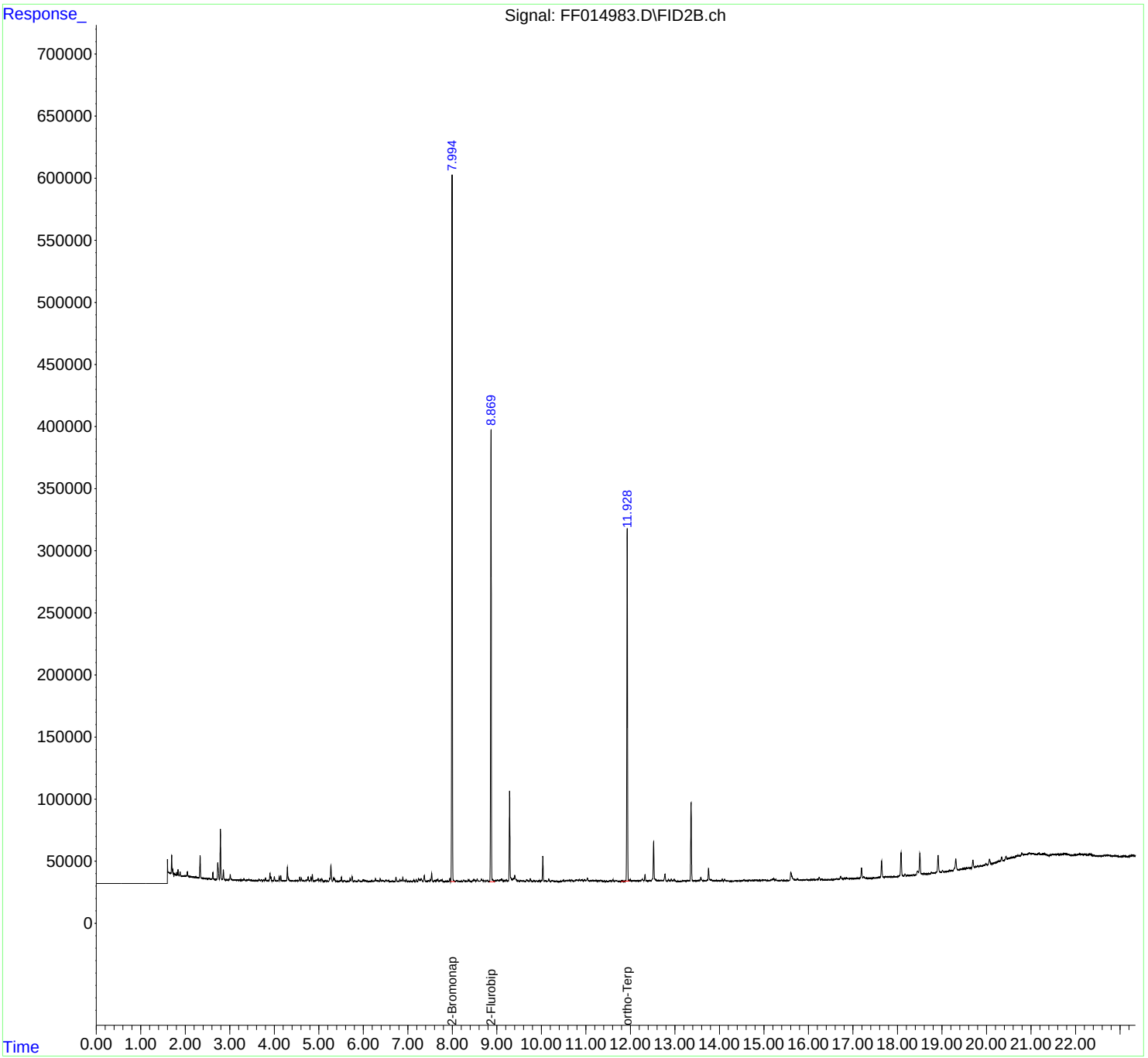
Quantitation Report (QT Reviewed)

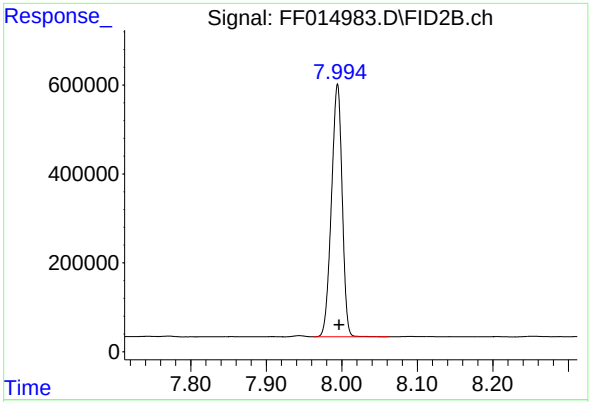
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014983.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:17
Operator : YP\AJ
Sample : P4721-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-6

Integration File: autoint1.e
Quant Time: Nov 09 00:28:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

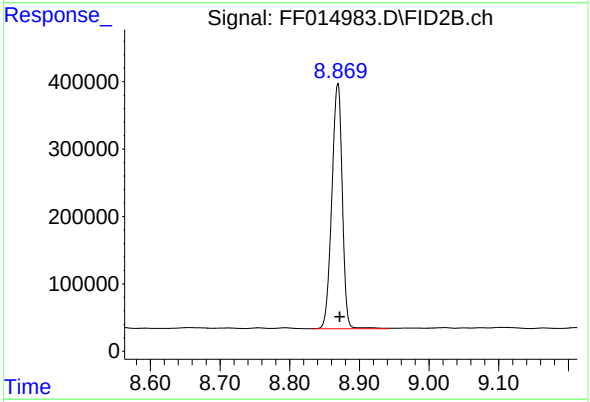




#4 2-Bromonaphthalene (SURR)

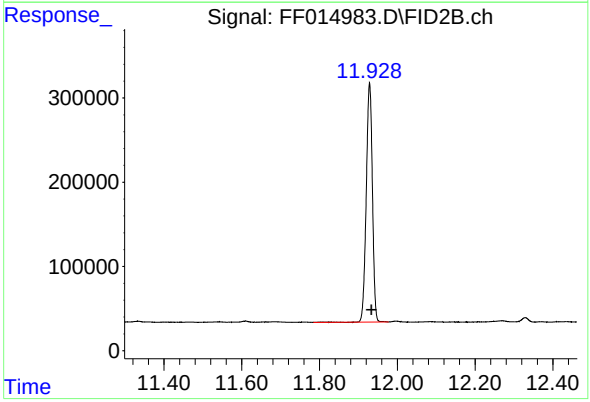
R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 5614472
Conc: 42.19 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-6



#6 2-Flurobiphenyl (SURR)

R.T.: 8.869 min
Delta R.T.: -0.003 min
Response: 3790854
Conc: 42.50 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: -0.005 min
Response: 3112087
Conc: 21.13 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014983.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:17
Sample : P4721-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.434	4.426	4.457	PV	127	1665	0.03%	0.008%
2	4.481	4.457	4.495	VV	392	5807	0.10%	0.027%
3	4.514	4.495	4.536	VV	808	10100	0.18%	0.048%
4	4.571	4.536	4.594	VV	3300	36681	0.65%	0.173%
5	4.609	4.594	4.630	VV	2593	26159	0.47%	0.123%
6	4.646	4.630	4.673	VV	544	7188	0.13%	0.034%
7	4.698	4.673	4.712	VV	763	9583	0.17%	0.045%
8	4.726	4.712	4.742	VV	1385	15025	0.27%	0.071%
9	4.760	4.742	4.783	VV	3651	40773	0.72%	0.192%
10	4.793	4.783	4.803	VV	402	3637	0.06%	0.017%
11	4.823	4.803	4.838	VV	3624	38039	0.68%	0.179%
12	4.855	4.838	4.899	VV	5521	59180	1.05%	0.279%
13	4.932	4.899	4.945	VV	964	13085	0.23%	0.062%
14	4.959	4.945	4.972	VV	1252	14192	0.25%	0.067%
15	4.987	4.972	5.008	VV	2445	26959	0.48%	0.127%
16	5.030	5.008	5.050	VV	1611	21362	0.38%	0.101%
17	5.069	5.050	5.100	VV	2321	29373	0.52%	0.138%
18	5.114	5.100	5.133	VV	170	2200	0.04%	0.010%
19	5.151	5.133	5.169	PV	715	7470	0.13%	0.035%
20	5.186	5.169	5.214	VV	830	10943	0.19%	0.052%
21	5.247	5.214	5.254	VV	2807	25614	0.46%	0.121%
22	5.272	5.254	5.306	VV	12961	162792	2.89%	0.767%
23	5.332	5.306	5.345	VV	2774	32537	0.58%	0.153%
24	5.356	5.345	5.376	VV	2661	25852	0.46%	0.122%
25	5.388	5.376	5.426	VV	337	5504	0.10%	0.026%

26	5.453	5.426	5.459	PV	168	1521	0.03%	0.007%
27	5.480	5.463	5.491	VV	753	7889	0.14%	0.037%
28	5.509	5.491	5.547	VV	3761	40149	0.71%	0.189%
29	5.562	5.547	5.581	VV	756	9397	0.17%	0.044%
30	5.585	5.581	5.599	VV	463	3258	0.06%	0.015%
31	5.632	5.622	5.636	VV	190	1179	0.02%	0.006%
32	5.671	5.636	5.685	VV	503	7094	0.13%	0.033%
33	5.703	5.685	5.720	VV	2658	29799	0.53%	0.140%
34	5.750	5.720	5.792	VV	4186	60722	1.08%	0.286%
35	5.810	5.792	5.840	VV	1177	13781	0.25%	0.065%
36	5.848	5.840	5.864	VV	186	1956	0.03%	0.009%
37	5.896	5.864	5.918	VV	1351	20769	0.37%	0.098%
38	5.932	5.918	5.951	VV	422	4896	0.09%	0.023%
39	5.968	5.951	5.979	VV	332	3706	0.07%	0.017%
40	5.997	5.979	6.010	VV	1704	18745	0.33%	0.088%
41	6.017	6.010	6.036	VV	1050	11190	0.20%	0.053%
42	6.054	6.036	6.070	VV	921	10045	0.18%	0.047%
43	6.093	6.070	6.116	VV	708	9749	0.17%	0.046%
44	6.136	6.116	6.141	VV	309	3090	0.05%	0.015%
45	6.143	6.141	6.156	VV	299	1765	0.03%	0.008%
46	6.186	6.156	6.205	PV	912	12011	0.21%	0.057%
47	6.240	6.205	6.257	VV	597	12297	0.22%	0.058%
48	6.275	6.257	6.300	VV	2480	30288	0.54%	0.143%
49	6.312	6.300	6.323	VV	713	7971	0.14%	0.038%
50	6.336	6.323	6.357	VV	907	11059	0.20%	0.052%
51	6.380	6.357	6.399	VV	2615	29788	0.53%	0.140%
52	6.419	6.399	6.435	VV	832	13631	0.24%	0.064%
53	6.445	6.435	6.474	VV	868	13660	0.24%	0.064%
54	6.479	6.474	6.488	VV	374	2945	0.05%	0.014%
55	6.506	6.488	6.540	VV	1297	26905	0.48%	0.127%
56	6.546	6.540	6.556	VV	652	5547	0.10%	0.026%
57	6.570	6.556	6.600	VV	963	13892	0.25%	0.065%
58	6.616	6.600	6.630	VV	208	2755	0.05%	0.013%
59	6.652	6.630	6.712	VV	535	14924	0.27%	0.070%
60	6.733	6.712	6.762	VV	3666	41635	0.74%	0.196%
61	6.776	6.762	6.787	VV	431	4907	0.09%	0.023%
62	6.821	6.787	6.837	VV	1906	24474	0.44%	0.115%
63	6.855	6.837	6.870	VV	1433	16567	0.29%	0.078%
64	6.887	6.870	6.907	VV	3522	38606	0.69%	0.182%
65	6.923	6.907	6.944	VV	1166	14891	0.26%	0.070%
66	6.962	6.944	6.982	VV	1820	19954	0.35%	0.094%
67	6.993	6.982	7.003	VV	290	2819	0.05%	0.013%
68	7.016	7.003	7.037	VV	779	8213	0.15%	0.039%
69	7.061	7.037	7.098	PV	519	9792	0.17%	0.046%

70	7.117	7.098	7.127	VV	582	6836	0.12%	0.032%
71	7.140	7.127	7.163	VV	1134	12299	0.22%	0.058%
72	7.188	7.163	7.217	VV	1771	23379	0.42%	0.110%
73	7.242	7.217	7.259	VV	2655	37181	0.66%	0.175%
74	7.264	7.259	7.277	VV	1500	14632	0.26%	0.069%
75	7.306	7.277	7.339	VV	2310	49753	0.88%	0.235%
76	7.370	7.339	7.406	VV	5152	70161	1.25%	0.331%
77	7.412	7.406	7.437	VV	334	4639	0.08%	0.022%
78	7.455	7.437	7.470	VV	893	12376	0.22%	0.058%
79	7.479	7.470	7.491	VV	807	8520	0.15%	0.040%
80	7.505	7.491	7.516	VV	1735	17504	0.31%	0.083%
81	7.536	7.516	7.571	VV	6825	79789	1.42%	0.376%
82	7.596	7.571	7.604	VV	939	10879	0.19%	0.051%
83	7.614	7.604	7.629	VV	858	9679	0.17%	0.046%
84	7.646	7.629	7.660	VV	1540	19341	0.34%	0.091%
85	7.676	7.660	7.702	VV	1888	27271	0.48%	0.129%
86	7.716	7.702	7.723	VV	755	7373	0.13%	0.035%
87	7.744	7.723	7.757	VV	1313	19663	0.35%	0.093%
88	7.771	7.757	7.796	VV	1691	20159	0.36%	0.095%
89	7.802	7.796	7.813	VV	164	1268	0.02%	0.006%
90	7.854	7.813	7.875	VV	586	11613	0.21%	0.055%
91	7.907	7.875	7.925	VV	490	10044	0.18%	0.047%
92	7.944	7.925	7.963	VV	2755	29510	0.52%	0.139%
93	7.994	7.963	8.061	VV	568275	5624409	100.00%	26.510%
94	8.091	8.061	8.099	VV	938	12588	0.22%	0.059%
95	8.108	8.099	8.133	VV	789	12351	0.22%	0.058%
96	8.142	8.133	8.173	VV	460	7920	0.14%	0.037%
97	8.177	8.173	8.188	VV	249	2130	0.04%	0.010%
98	8.206	8.188	8.224	VV	604	7338	0.13%	0.035%
99	8.253	8.224	8.277	VV	1504	22877	0.41%	0.108%
100	8.288	8.277	8.299	VV	518	5754	0.10%	0.027%
101	8.313	8.299	8.325	VV	595	7044	0.13%	0.033%
102	8.360	8.325	8.370	VV	1400	22576	0.40%	0.106%
103	8.377	8.370	8.414	VV	1434	15709	0.28%	0.074%
104	8.419	8.414	8.425	VV	214	1077	0.02%	0.005%
105	8.452	8.425	8.462	VV	562	8090	0.14%	0.038%
106	8.482	8.462	8.497	VV	2179	26679	0.47%	0.126%
107	8.509	8.497	8.527	VV	1518	17100	0.30%	0.081%
108	8.559	8.527	8.580	VV	2392	34632	0.62%	0.163%
109	8.593	8.580	8.614	VV	803	11680	0.21%	0.055%
110	8.656	8.614	8.690	VV	1652	45541	0.81%	0.215%
111	8.712	8.690	8.739	VV	1109	20307	0.36%	0.096%
112	8.755	8.739	8.773	VV	1313	16573	0.29%	0.078%

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113	8.793	8.773	8.823	VV	1376	19769	0.35%	0.093%
114	8.869	8.832	8.905	VV	363694	3768407	67.00%	17.762%
115	8.913	8.905	8.947	VV	1488	25506	0.45%	0.120%
116	8.981	8.947	8.996	VV	937	23526	0.42%	0.111%
117	9.022	8.996	9.037	VV	1578	27889	0.50%	0.131%
118	9.050	9.037	9.061	VV	1170	14201	0.25%	0.067%
119	9.074	9.061	9.086	VV	1474	18413	0.33%	0.087%
120	9.103	9.086	9.144	VV	1989	45926	0.82%	0.216%
121	9.164	9.144	9.190	VV	1103	17913	0.32%	0.084%
122	9.210	9.190	9.232	VV	1576	24649	0.44%	0.116%
123	9.245	9.232	9.257	VV	631	8629	0.15%	0.041%
124	9.287	9.257	9.351	VV	73012	830677	14.77%	3.915%
125	9.368	9.351	9.385	VV	2515	44870	0.80%	0.211%
126	9.402	9.385	9.429	VV	5191	88298	1.57%	0.416%
127	9.435	9.429	9.455	VV	1821	17781	0.32%	0.084%
128	9.474	9.455	9.502	VV	1364	17985	0.32%	0.085%
129	9.528	9.502	9.551	VV	1240	21765	0.39%	0.103%
130	9.567	9.551	9.589	VV	1046	13770	0.24%	0.065%
131	9.605	9.589	9.634	VV	755	13131	0.23%	0.062%
132	9.670	9.634	9.709	VV	1757	35958	0.64%	0.169%
133	9.719	9.709	9.729	VV	494	5106	0.09%	0.024%
134	9.752	9.729	9.795	VV	2439	37667	0.67%	0.178%
135	9.833	9.795	9.870	VV	1190	23771	0.42%	0.112%
136	9.893	9.870	9.920	VV	888	14322	0.25%	0.068%
137	9.962	9.920	9.977	VV	805	16659	0.30%	0.079%
138	10.001	9.977	10.011	VV	1112	14579	0.26%	0.069%
139	10.033	10.011	10.064	VV	20730	211798	3.77%	0.998%
140	10.084	10.064	10.123	VV	752	18980	0.34%	0.089%
141	10.134	10.123	10.147	VV	467	5337	0.09%	0.025%
142	10.167	10.147	10.196	VV	1949	27853	0.50%	0.131%
143	10.201	10.196	10.215	VV	263	2420	0.04%	0.011%
144	10.239	10.215	10.258	VV	733	12867	0.23%	0.061%
145	10.264	10.258	10.304	VV	580	10507	0.19%	0.050%
146	10.318	10.304	10.322	VV	359	3197	0.06%	0.015%
147	10.339	10.322	10.384	VV	663	10446	0.19%	0.049%
148	10.442	10.417	10.459	VV	406	6516	0.12%	0.031%
149	10.492	10.459	10.525	VV	1066	24185	0.43%	0.114%
150	10.560	10.525	10.578	VV	1192	22594	0.40%	0.106%
151	10.602	10.578	10.620	VV	1274	22346	0.40%	0.105%
152	10.633	10.620	10.661	VV	1166	20261	0.36%	0.095%
153	10.682	10.661	10.707	VV	1422	24649	0.44%	0.116%
154	10.711	10.707	10.714	VV	499	1774	0.03%	0.008%
155	10.717	10.714	10.721	VV	541	2107	0.04%	0.010%

rteres

156	10.723	10.721	10.735	VV	485	3058	0.05%	0.014%
157	10.769	10.735	10.782	VV	1361	26485	0.47%	0.125%
158	10.791	10.782	10.797	VV	1156	9518	0.17%	0.045%
159	10.806	10.797	10.822	VV	1235	16735	0.30%	0.079%
160	10.854	10.822	10.872	VV	1438	32759	0.58%	0.154%
161	10.883	10.872	10.886	VV	955	7391	0.13%	0.035%
162	10.905	10.886	10.941	VV	1465	36379	0.65%	0.171%
163	10.962	10.941	10.972	VV	1201	16828	0.30%	0.079%
164	10.983	10.972	11.007	VV	1184	20969	0.37%	0.099%
165	11.034	11.007	11.059	VV	2777	49210	0.87%	0.232%
166	11.062	11.059	11.085	VV	580	8008	0.14%	0.038%
167	11.100	11.085	11.105	VV	676	7112	0.13%	0.034%
168	11.124	11.105	11.141	VV	828	14311	0.25%	0.067%
169	11.160	11.141	11.174	VV	1138	15357	0.27%	0.072%
170	11.188	11.174	11.208	VV	780	12534	0.22%	0.059%
171	11.231	11.208	11.259	VV	999	19964	0.35%	0.094%
172	11.274	11.259	11.287	VV	557	7755	0.14%	0.037%
173	11.333	11.287	11.351	VV	1414	30004	0.53%	0.141%
174	11.360	11.351	11.384	VV	551	7738	0.14%	0.036%
175	11.410	11.384	11.429	VV	387	7347	0.13%	0.035%
176	11.434	11.429	11.439	VV	225	1301	0.02%	0.006%
177	11.443	11.439	11.451	VV	267	1803	0.03%	0.008%
178	11.469	11.451	11.487	VV	430	6328	0.11%	0.030%
179	11.503	11.487	11.508	VV	253	2088	0.04%	0.010%
180	11.543	11.508	11.563	VV	745	14085	0.25%	0.066%
181	11.584	11.563	11.588	VV	400	4685	0.08%	0.022%
182	11.610	11.588	11.644	VV	1599	22883	0.41%	0.108%
183	11.656	11.644	11.667	VV	490	6003	0.11%	0.028%
184	11.683	11.667	11.729	VV	784	17047	0.30%	0.080%
185	11.763	11.729	11.784	VV	390	6702	0.12%	0.032%
186	11.809	11.784	11.867	PV	447	12140	0.22%	0.057%
187	11.929	11.867	11.980	VV	284070	3134429	55.73%	14.774%
188	11.997	11.980	12.036	VV	1475	26867	0.48%	0.127%
189	12.086	12.036	12.127	VV	881	29631	0.53%	0.140%
190	12.142	12.127	12.174	VV	530	11579	0.21%	0.055%
191	12.178	12.174	12.187	VV	406	3220	0.06%	0.015%
192	12.209	12.187	12.219	VV	683	9725	0.17%	0.046%
193	12.269	12.219	12.295	VV	1946	51417	0.91%	0.242%
194	12.329	12.295	12.353	VV	5623	77021	1.37%	0.363%
195	12.372	12.353	12.395	VV	819	13574	0.24%	0.064%
196	12.417	12.395	12.424	VV	772	10478	0.19%	0.049%
197	12.435	12.424	12.459	VV	867	13930	0.25%	0.066%
198	12.523	12.459	12.595	VV	32099	453450	8.06%	2.137%
199	12.602	12.595	12.622	VV	898	12844	0.23%	0.061%

rteres

200	12.643	12.622	12.667	VV	828	19269	0.34%	0.091%
201	12.685	12.667	12.701	VV	970	16891	0.30%	0.080%
202	12.709	12.701	12.733	VV	957	14955	0.27%	0.070%
203	12.777	12.733	12.828	VV	5941	108740	1.93%	0.513%
204	12.857	12.828	12.884	VV	1621	27757	0.49%	0.131%
205	12.918	12.884	12.942	VV	2082	32688	0.58%	0.154%
206	12.951	12.942	12.959	VV	444	3786	0.07%	0.018%
207	12.981	12.959	13.027	VV	1729	33276	0.59%	0.157%
208	13.043	13.037	13.054	VV	261	1757	0.03%	0.008%
209	13.061	13.054	13.075	VV	216	2001	0.04%	0.009%
210	13.082	13.075	13.105	VV	181	1891	0.03%	0.009%
211	13.143	13.128	13.157	VV	227	3050	0.05%	0.014%
212	13.171	13.157	13.176	VV	409	3683	0.07%	0.017%
213	13.194	13.176	13.227	VV	527	11747	0.21%	0.055%
214	13.240	13.227	13.254	VV	308	3881	0.07%	0.018%
215	13.277	13.254	13.303	VV	996	16806	0.30%	0.079%
216	13.364	13.303	13.395	VV	63514	780258	13.87%	3.678%
217	13.420	13.395	13.440	VV	702	15627	0.28%	0.074%
218	13.449	13.440	13.455	VV	485	4039	0.07%	0.019%
219	13.461	13.455	13.483	VV	454	6951	0.12%	0.033%
220	13.489	13.483	13.504	VV	444	4922	0.09%	0.023%
221	13.536	13.504	13.543	VV	919	15783	0.28%	0.074%
222	13.548	13.543	13.561	VV	849	9063	0.16%	0.043%
223	13.583	13.561	13.630	VV	3366	58225	1.04%	0.274%
224	13.650	13.630	13.688	VV	654	17864	0.32%	0.084%
225	13.693	13.688	13.695	VV	471	1916	0.03%	0.009%
226	13.755	13.695	13.813	VV	10584	175566	3.12%	0.828%
227	13.819	13.813	13.848	VV	1272	18066	0.32%	0.085%
228	13.870	13.848	13.890	VV	733	13448	0.24%	0.063%
229	13.933	13.890	13.949	VV	786	19281	0.34%	0.091%
230	13.981	13.949	14.012	VV	776	22161	0.39%	0.104%
231	14.030	14.012	14.035	VV	574	6793	0.12%	0.032%
232	14.065	14.035	14.093	VV	1662	30495	0.54%	0.144%
233	14.118	14.093	14.161	VV	1796	32114	0.57%	0.151%
234	14.175	14.161	14.201	VV	319	6399	0.11%	0.030%
235	14.207	14.201	14.246	VV	296	5272	0.09%	0.025%
236	14.253	14.246	14.292	VV	174	2967	0.05%	0.014%
237	14.342	14.306	14.347	VV	375	6003	0.11%	0.028%
238	14.359	14.347	14.402	VV	343	9066	0.16%	0.043%
239	14.415	14.402	14.425	VV	291	3528	0.06%	0.017%
240	14.430	14.425	14.437	VV	245	1499	0.03%	0.007%
241	14.454	14.437	14.474	VV	441	6823	0.12%	0.032%
242	14.485	14.474	14.494	VV	317	3264	0.06%	0.015%

rteres

243	14.517	14.494	14.525	VV	548	7878	0.14%	0.037%
244	14.552	14.525	14.598	VV	1424	32711	0.58%	0.154%
245	14.612	14.598	14.625	VV	566	7732	0.14%	0.036%
246	14.644	14.625	14.660	VV	503	8478	0.15%	0.040%
247	14.679	14.660	14.710	VV	835	16315	0.29%	0.077%
248	14.737	14.710	14.755	VV	826	14999	0.27%	0.071%
249	14.779	14.755	14.795	VV	685	13042	0.23%	0.061%
250	14.817	14.795	14.868	VV	736	26466	0.47%	0.125%
251	14.890	14.868	14.917	VV	587	13773	0.24%	0.065%
252	14.937	14.917	14.952	VV	488	8844	0.16%	0.042%
253	14.996	14.952	15.012	VV	738	21614	0.38%	0.102%
254	15.028	15.012	15.052	VV	748	14271	0.25%	0.067%
255	15.060	15.052	15.090	VV	510	9054	0.16%	0.043%
256	15.095	15.090	15.130	VV	383	5996	0.11%	0.028%
257	15.185	15.130	15.201	VV	1278	32079	0.57%	0.151%
258	15.219	15.201	15.247	VV	1829	32191	0.57%	0.152%
259	15.265	15.247	15.295	VV	1128	16359	0.29%	0.077%
260	15.304	15.295	15.334	VV	200	3062	0.05%	0.014%
261	15.339	15.334	15.362	VV	162	1751	0.03%	0.008%
262	15.389	15.362	15.435	VV	578	11213	0.20%	0.053%
263	15.461	15.435	15.481	VV	202	3463	0.06%	0.016%
264	15.522	15.481	15.554	VV	313	6865	0.12%	0.032%
265	15.605	15.554	15.721	PV	6858	188540	3.35%	0.889%
266	15.756	15.721	15.784	VV	1235	29734	0.53%	0.140%
267	15.792	15.784	15.844	VV	358	9802	0.17%	0.046%
268	15.869	15.844	15.885	VV	398	7090	0.13%	0.033%
269	15.954	15.885	16.007	VV	689	24162	0.43%	0.114%
270	16.066	16.007	16.079	VV	461	13654	0.24%	0.064%
271	16.104	16.079	16.130	VV	516	12941	0.23%	0.061%
272	16.137	16.130	16.169	VV	426	7212	0.13%	0.034%
273	16.202	16.169	16.220	VV	600	11526	0.20%	0.054%
274	16.242	16.220	16.274	VV	2261	34229	0.61%	0.161%
275	16.298	16.274	16.349	VV	632	12933	0.23%	0.061%
276	16.371	16.349	16.404	VV	165	2968	0.05%	0.014%
277	16.415	16.404	16.427	VV	182	2025	0.04%	0.010%
278	16.436	16.427	16.462	VV	169	2145	0.04%	0.010%
279	16.489	16.477	16.505	VV	121	1087	0.02%	0.005%
280	16.531	16.505	16.560	PV	139	2345	0.04%	0.011%
281	16.630	16.560	16.667	PV	683	20996	0.37%	0.099%
282	16.725	16.667	16.777	VV	2641	55312	0.98%	0.261%
283	16.807	16.777	16.832	VV	1212	19674	0.35%	0.093%
284	16.854	16.832	16.877	VV	1183	18791	0.33%	0.089%
285	16.917	16.877	16.974	VV	470	19578	0.35%	0.092%

rteres

286	16.984	16.974	16.996	VV	315	3320	0.06%	0.016%
287	17.030	16.996	17.054	VV	416	9572	0.17%	0.045%
288	17.086	17.054	17.107	VV	718	13593	0.24%	0.064%
289	17.115	17.107	17.137	VV	478	6849	0.12%	0.032%
290	17.192	17.137	17.220	VV	8870	139129	2.47%	0.656%
291	17.241	17.220	17.285	VV	1778	34197	0.61%	0.161%
292	17.296	17.285	17.334	VV	392	7141	0.13%	0.034%
293	17.368	17.334	17.421	VV	201	5989	0.11%	0.028%
294	17.483	17.421	17.494	PV	206	4317	0.08%	0.020%
295	17.529	17.494	17.545	PV	273	4001	0.07%	0.019%
296	17.643	17.545	17.704	VV	13514	221442	3.94%	1.044%
297	17.732	17.704	17.774	VV	596	17543	0.31%	0.083%
298	17.780	17.774	17.799	VV	364	4117	0.07%	0.019%
299	17.806	17.799	17.827	VV	266	3919	0.07%	0.018%
300	17.836	17.827	17.872	VV	249	5139	0.09%	0.024%
301	17.923	17.872	17.962	VV	370	9328	0.17%	0.044%
302	18.080	17.962	18.135	PV	19269	300546	5.34%	1.417%
303	18.169	18.135	18.197	VV	1806	30893	0.55%	0.146%
304	18.229	18.197	18.244	VV	261	6823	0.12%	0.032%
305	18.257	18.244	18.289	VV	255	4384	0.08%	0.021%
306	18.309	18.289	18.317	VV	177	1575	0.03%	0.007%
307	18.351	18.317	18.379	VV	611	10430	0.19%	0.049%
308	18.400	18.379	18.415	PV	350	3638	0.06%	0.017%
309	18.452	18.415	18.475	VV	3319	71410	1.27%	0.337%
310	18.502	18.475	18.552	VV	17340	272321	4.84%	1.284%
311	18.561	18.552	18.584	VV	414	6280	0.11%	0.030%
312	18.598	18.584	18.659	VV	513	11023	0.20%	0.052%
313	18.710	18.659	18.729	PV	230	2597	0.05%	0.012%
314	18.767	18.729	18.787	PV	675	10124	0.18%	0.048%

Sum of corrected areas: 21216005

Aromatic EPH 110724.M Sat Nov 09 05:41:39 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-6		SDG No.:	P4721	
Lab Sample ID:	P4721-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.6	
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
FG014715.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.63	J	0.45	1.20	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.90		0.29	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.60	J	0.36	1.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.96	U	0.96	1.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.15	U	2.15	2.39	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.5		40 - 140	51%	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:	P4721-13	Acq On:	08 Nov 2024 17:30
Client Sample ID:	EX-9-TPH-6	Operator:	YP\AJ
Data file:	FG014715.D	Misc:	
Instrument:	FID_G	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.844	1032781	7.863	300	ug/ml
Aliphatic C12-C16	6.845	10.289	1531457	11.275	200	ug/ml
Aliphatic C16-C21	10.290	13.661	1061236	7.513	300	ug/ml
Aliphatic C21-C28	13.662	17.327	592988	4.218	400	ug/ml
Aliphatic C28-C40	17.328	22.264	2439448	23.082	600	ug/ml
Aliphatic EPH	3.223	22.264	6657910	53.952		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	3132365	25.51		ug/ml
Aliphatic C9-C28	3.223	17.327	4218462	30.869	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014715.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:30
Operator : YP\AJ
Sample : P4721-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-6

Integration File: autoint1.e
Quant Time: Nov 09 03:41:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.390	3132365	25.510 ug/ml
Spiked Amount 50.000		Recovery = 51.02%	
Target Compounds			

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

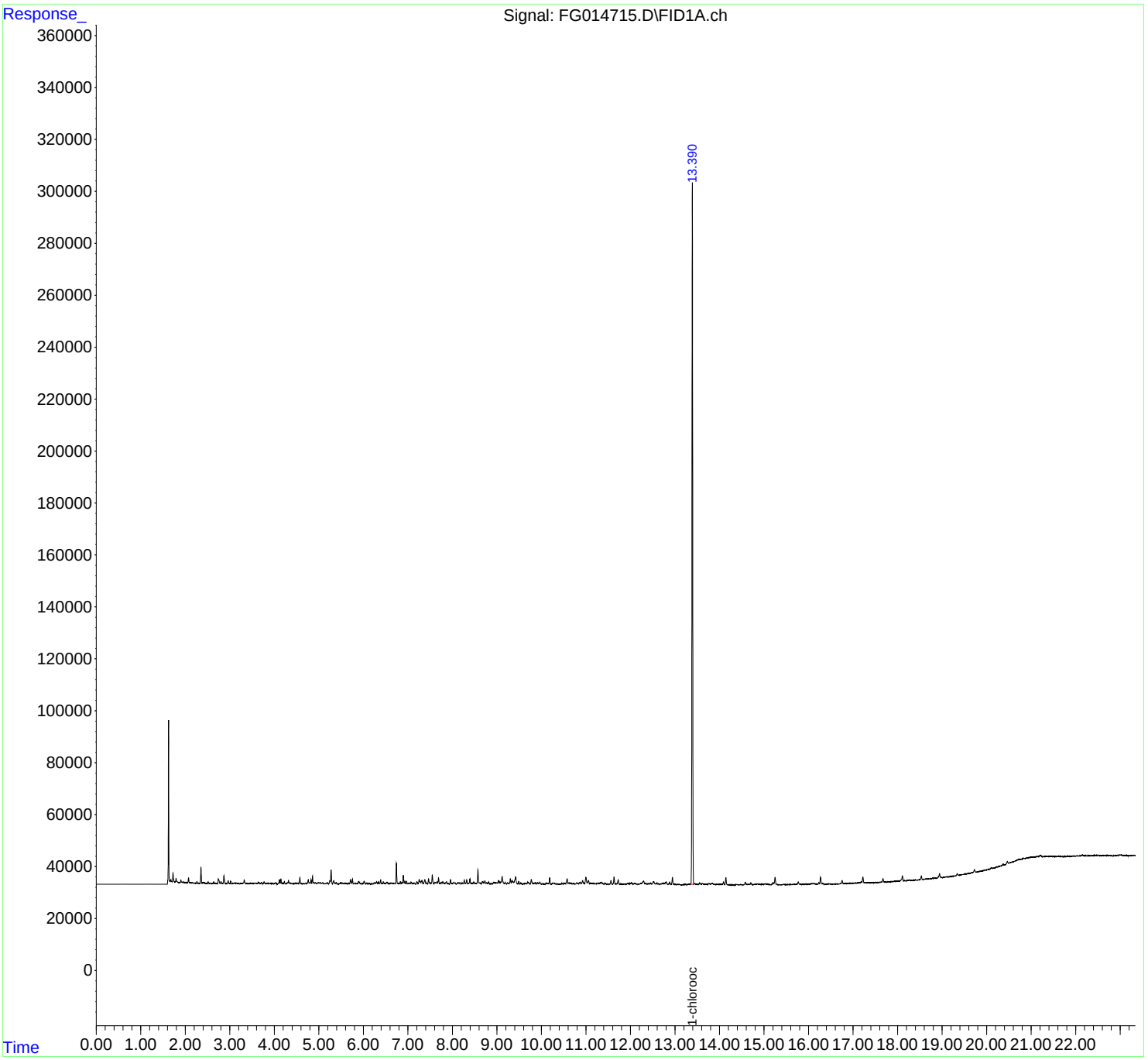
Quantitation Report (QT Reviewed)

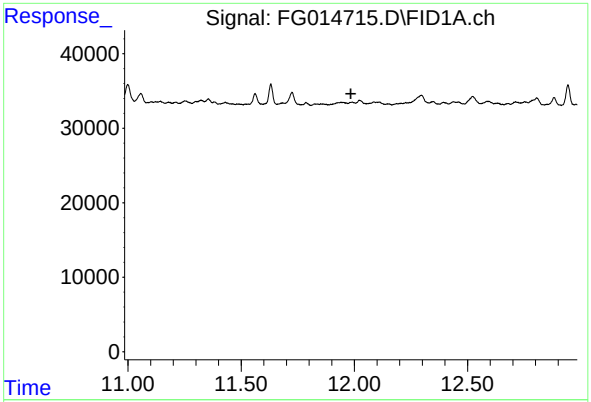
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014715.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:30
Operator : YP\AJ
Sample : P4721-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-6

Integration File: autoint1.e
Quant Time: Nov 09 03:41:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

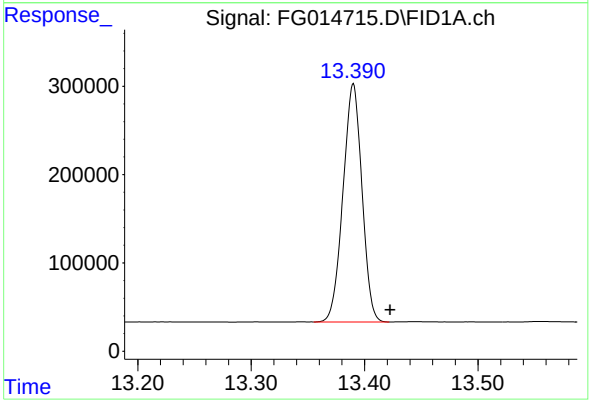




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-6



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.033 min
Response: 3132365
Conc: 25.51 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014715.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:30
Sample : P4721-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	2.637	2.601	2.723	BV	758	10917	0.35%	0.110%
2	2.745	2.723	2.781	PV	1851	29360	0.93%	0.295%
3	2.803	2.781	2.844	VV	862	12162	0.39%	0.122%
4	2.868	2.844	2.920	VV	3130	39056	1.24%	0.393%
5	2.964	2.920	2.988	PV	1217	16049	0.51%	0.161%
6	3.019	2.988	3.046	VV	1097	12896	0.41%	0.130%
7	3.067	3.046	3.079	VV	198	2930	0.09%	0.029%
8	3.106	3.079	3.125	VV	376	7272	0.23%	0.073%
9	3.150	3.125	3.171	VV	372	6918	0.22%	0.070%
10	3.186	3.171	3.223	VV	189	4015	0.13%	0.040%
11	3.243	3.223	3.274	VV	181	4135	0.13%	0.042%
12	3.324	3.274	3.360	VV	1515	24551	0.78%	0.247%
13	3.375	3.360	3.420	VV	189	4994	0.16%	0.050%
14	3.439	3.420	3.453	VV	247	3097	0.10%	0.031%
15	3.471	3.453	3.485	VV	308	3959	0.13%	0.040%
16	3.498	3.485	3.521	VV	251	4017	0.13%	0.040%
17	3.537	3.521	3.549	VV	331	3938	0.13%	0.040%
18	3.568	3.549	3.597	VV	426	7336	0.23%	0.074%
19	3.608	3.597	3.620	VV	205	2092	0.07%	0.021%
20	3.639	3.620	3.649	VV	558	6214	0.20%	0.062%
21	3.658	3.649	3.685	VV	542	7149	0.23%	0.072%
22	3.713	3.685	3.740	VV	608	10317	0.33%	0.104%
23	3.770	3.740	3.819	VV	849	15419	0.49%	0.155%
24	3.854	3.819	3.895	VV	364	9224	0.29%	0.093%
25	3.908	3.895	3.943	VV	305	5509	0.17%	0.055%
26	3.959	3.943	3.987	VV	277	3588	0.11%	0.036%
27	4.019	3.987	4.066	VV	449	11548	0.37%	0.116%
28	4.116	4.066	4.132	PV	1637	21301	0.68%	0.214%
29	4.149	4.132	4.171	VV	1881	20556	0.65%	0.207%
30	4.184	4.171	4.204	VV	319	4886	0.16%	0.049%
31	4.225	4.204	4.249	VV	967	11669	0.37%	0.117%
32	4.319	4.249	4.336	VV	1248	23363	0.74%	0.235%
33	4.347	4.336	4.365	VV	526	6647	0.21%	0.067%
34	4.378	4.365	4.441	VV	331	8417	0.27%	0.085%
35	4.470	4.441	4.493	VV	430	8136	0.26%	0.082%
36	4.516	4.493	4.545	VV	433	8242	0.26%	0.083%

rteres

37	4.574	4.545	4.601	VV	2468	28952	0.92%	0.291%
38	4.609	4.601	4.627	VV	291	3128	0.10%	0.031%
39	4.646	4.627	4.675	VV	254	4369	0.14%	0.044%
40	4.702	4.675	4.738	VV	429	8830	0.28%	0.089%
41	4.763	4.738	4.781	VV	1731	22622	0.72%	0.227%
42	4.790	4.781	4.806	VV	487	6341	0.20%	0.064%
43	4.825	4.806	4.841	VV	1678	18700	0.59%	0.188%
44	4.858	4.841	4.901	VV	3064	40290	1.28%	0.405%
45	4.918	4.901	4.952	VV	562	12881	0.41%	0.129%
46	4.990	4.952	5.007	VV	705	14514	0.46%	0.146%
47	5.035	5.007	5.061	VV	632	14095	0.45%	0.142%
48	5.086	5.061	5.125	VV	655	12403	0.39%	0.125%
49	5.153	5.125	5.167	VV	269	5183	0.16%	0.052%
50	5.188	5.167	5.209	VV	690	10127	0.32%	0.102%
51	5.276	5.209	5.306	VV	5514	87462	2.78%	0.879%
52	5.335	5.306	5.371	VV	1410	26026	0.83%	0.262%
53	5.391	5.371	5.431	VV	712	11574	0.37%	0.116%
54	5.489	5.431	5.503	PV	613	12907	0.41%	0.130%
55	5.518	5.503	5.541	VV	640	10016	0.32%	0.101%
56	5.554	5.541	5.568	VV	362	4628	0.15%	0.047%
57	5.585	5.568	5.605	VV	503	7286	0.23%	0.073%
58	5.615	5.605	5.639	VV	344	5770	0.18%	0.058%
59	5.654	5.639	5.664	VV	301	3431	0.11%	0.034%
60	5.676	5.664	5.691	VV	352	4244	0.13%	0.043%
61	5.711	5.691	5.738	VV	1848	27198	0.86%	0.273%
62	5.756	5.738	5.777	VV	2044	22506	0.71%	0.226%
63	5.789	5.777	5.798	VV	266	2916	0.09%	0.029%
64	5.814	5.798	5.848	VV	564	9678	0.31%	0.097%
65	5.862	5.848	5.870	VV	301	3672	0.12%	0.037%
66	5.897	5.870	5.933	VV	1212	24873	0.79%	0.250%
67	5.945	5.933	5.955	VV	257	2980	0.09%	0.030%
68	5.975	5.955	5.991	VV	534	7093	0.23%	0.071%
69	6.019	5.991	6.058	VV	1226	22880	0.73%	0.230%
70	6.079	6.058	6.111	VV	622	10646	0.34%	0.107%
71	6.142	6.111	6.166	VV	391	7608	0.24%	0.076%
72	6.192	6.166	6.211	PV	544	6565	0.21%	0.066%
73	6.244	6.211	6.265	VV	735	11741	0.37%	0.118%
74	6.296	6.265	6.325	VV	880	21676	0.69%	0.218%
75	6.342	6.325	6.365	VV	1058	14280	0.45%	0.144%
76	6.388	6.365	6.415	VV	1771	23715	0.75%	0.238%
77	6.451	6.415	6.492	VV	1013	23014	0.73%	0.231%
78	6.533	6.492	6.556	VV	769	20330	0.65%	0.204%
79	6.568	6.556	6.597	VV	490	9955	0.32%	0.100%
80	6.618	6.597	6.643	VV	667	12858	0.41%	0.129%
81	6.663	6.643	6.681	VV	438	8540	0.27%	0.086%
82	6.691	6.681	6.699	VV	414	4350	0.14%	0.044%
83	6.706	6.699	6.716	VV	416	3763	0.12%	0.038%
84	6.742	6.716	6.772	VV	8141	89840	2.85%	0.903%
85	6.783	6.772	6.796	VV	492	5738	0.18%	0.058%
86	6.802	6.796	6.810	VV	334	2672	0.08%	0.027%
87	6.831	6.810	6.850	VV	1139	15611	0.50%	0.157%
88	6.867	6.850	6.879	VV	898	11122	0.35%	0.112%
89	6.897	6.879	6.919	VV	3511	42079	1.34%	0.423%

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90	6.933	6.919	6.954	VV	1219	15667	0.50%	0.157%
91	6.971	6.954	6.996	VV	1291	16039	0.51%	0.161%
92	7.028	6.996	7.051	VV	543	11743	0.37%	0.118%
93	7.073	7.051	7.098	VV	926	16178	0.51%	0.163%
94	7.111	7.098	7.125	VV	423	5561	0.18%	0.056%
95	7.142	7.125	7.171	VV	573	11458	0.36%	0.115%
96	7.201	7.171	7.231	VV	1097	20435	0.65%	0.205%
97	7.254	7.231	7.291	VV	1911	39289	1.25%	0.395%
98	7.316	7.291	7.347	VV	1617	31771	1.01%	0.319%
99	7.382	7.347	7.408	VV	1897	36227	1.15%	0.364%
100	7.420	7.408	7.441	VV	673	8432	0.27%	0.085%
101	7.465	7.441	7.505	VV	2182	35066	1.11%	0.352%
102	7.519	7.505	7.527	VV	605	6654	0.21%	0.067%
103	7.549	7.527	7.581	VV	3708	51113	1.62%	0.514%
104	7.609	7.581	7.639	VV	816	20400	0.65%	0.205%
105	7.656	7.639	7.670	VV	1120	15280	0.49%	0.154%
106	7.689	7.670	7.714	VV	2575	32929	1.05%	0.331%
107	7.755	7.714	7.768	VV	806	19508	0.62%	0.196%
108	7.784	7.768	7.808	VV	1193	17735	0.56%	0.178%
109	7.818	7.808	7.840	VV	542	9847	0.31%	0.099%
110	7.865	7.840	7.891	VV	1057	21122	0.67%	0.212%
111	7.905	7.891	7.935	VV	482	8205	0.26%	0.082%
112	7.957	7.935	7.991	VV	1864	26517	0.84%	0.267%
113	8.035	7.991	8.051	VV	861	20003	0.64%	0.201%
114	8.060	8.051	8.090	VV	594	9388	0.30%	0.094%
115	8.126	8.090	8.139	VV	738	14156	0.45%	0.142%
116	8.152	8.139	8.168	VV	757	10075	0.32%	0.101%
117	8.177	8.168	8.195	VV	693	7728	0.25%	0.078%
118	8.220	8.195	8.240	VV	780	12368	0.39%	0.124%
119	8.267	8.240	8.290	VV	1665	24484	0.78%	0.246%
120	8.322	8.290	8.344	VV	1818	27618	0.88%	0.278%
121	8.364	8.344	8.373	VV	564	8247	0.26%	0.083%
122	8.394	8.373	8.416	VV	2198	28133	0.89%	0.283%
123	8.444	8.416	8.460	VV	520	12041	0.38%	0.121%
124	8.481	8.460	8.505	VV	1081	17525	0.56%	0.176%
125	8.524	8.505	8.543	VV	549	10961	0.35%	0.110%
126	8.574	8.543	8.599	VV	5522	69087	2.19%	0.694%
127	8.622	8.599	8.648	VV	785	16482	0.52%	0.166%
128	8.672	8.648	8.707	VV	1094	27124	0.86%	0.273%
129	8.731	8.707	8.753	VV	1458	26120	0.83%	0.263%
130	8.769	8.753	8.794	VV	844	14370	0.46%	0.144%
131	8.812	8.794	8.841	VV	935	16017	0.51%	0.161%
132	8.866	8.841	8.892	VV	410	10410	0.33%	0.105%
133	8.932	8.892	8.948	VV	1013	20139	0.64%	0.202%
134	8.971	8.948	9.015	VV	891	26829	0.85%	0.270%
135	9.036	9.015	9.055	VV	1540	25094	0.80%	0.252%
136	9.069	9.055	9.082	VV	1152	14366	0.46%	0.144%
137	9.117	9.082	9.159	VV	3110	65664	2.08%	0.660%
138	9.184	9.159	9.218	VV	818	17819	0.57%	0.179%
139	9.235	9.218	9.251	VV	726	10705	0.34%	0.108%
140	9.268	9.251	9.280	VV	633	9322	0.30%	0.094%
141	9.302	9.280	9.321	VV	2308	31464	1.00%	0.316%

142	9.340	9.321	9.378	VV	1700	39474	1.25%	0.397%
143	9.421	9.378	9.471	VV	3043	74539	2.37%	0.749%
144	9.491	9.471	9.518	VV	1220	18548	0.59%	0.186%
145	9.541	9.518	9.575	VV	777	14416	0.46%	0.145%
146	9.623	9.575	9.670	VV	593	23528	0.75%	0.236%
147	9.706	9.670	9.748	VV	1025	28224	0.90%	0.284%
148	9.774	9.748	9.813	VV	2012	37293	1.18%	0.375%
149	9.825	9.813	9.835	VV	555	6098	0.19%	0.061%
150	9.860	9.835	9.888	VV	754	17430	0.55%	0.175%
151	9.912	9.888	9.933	VV	887	15368	0.49%	0.154%
152	9.964	9.933	9.992	VV	1069	20471	0.65%	0.206%
153	10.022	9.992	10.041	VV	416	9115	0.29%	0.092%
154	10.052	10.041	10.077	VV	275	4932	0.16%	0.050%
155	10.104	10.077	10.121	VV	770	11420	0.36%	0.115%
156	10.144	10.121	10.161	VV	509	10237	0.32%	0.103%
157	10.185	10.161	10.212	VV	2734	35668	1.13%	0.358%
158	10.265	10.212	10.276	VV	663	17344	0.55%	0.174%
159	10.283	10.276	10.324	VV	645	13236	0.42%	0.133%
160	10.357	10.324	10.386	VV	464	11104	0.35%	0.112%
161	10.397	10.386	10.417	VV	276	4013	0.13%	0.040%
162	10.435	10.417	10.443	VV	297	3790	0.12%	0.038%
163	10.465	10.443	10.483	VV	482	8889	0.28%	0.089%
164	10.509	10.483	10.546	VV	654	18985	0.60%	0.191%
165	10.576	10.546	10.600	VV	2211	39231	1.25%	0.394%
166	10.621	10.600	10.641	VV	875	15997	0.51%	0.161%
167	10.658	10.641	10.686	VV	677	15322	0.49%	0.154%
168	10.694	10.686	10.705	VV	457	4834	0.15%	0.049%
169	10.721	10.705	10.755	VV	504	12258	0.39%	0.123%
170	10.791	10.755	10.805	VV	741	15003	0.48%	0.151%
171	10.819	10.805	10.841	VV	715	13625	0.43%	0.137%
172	10.864	10.841	10.892	VV	936	22701	0.72%	0.228%
173	10.926	10.892	10.964	VV	1637	39426	1.25%	0.396%
174	10.999	10.964	11.029	VV	2899	56932	1.81%	0.572%
175	11.057	11.029	11.090	VV	1709	36462	1.16%	0.366%
176	11.122	11.090	11.135	VV	598	14735	0.47%	0.148%
177	11.143	11.135	11.164	VV	694	9655	0.31%	0.097%
178	11.180	11.164	11.195	VV	521	8418	0.27%	0.085%
179	11.211	11.195	11.226	VV	542	8604	0.27%	0.086%
180	11.252	11.226	11.285	VV	713	18799	0.60%	0.189%
181	11.323	11.285	11.338	VV	811	20520	0.65%	0.206%
182	11.355	11.338	11.399	VV	995	23120	0.73%	0.232%
183	11.430	11.399	11.474	VV	529	16436	0.52%	0.165%
184	11.487	11.474	11.508	VV	303	5556	0.18%	0.056%
185	11.561	11.508	11.595	VV	1692	31525	1.00%	0.317%
186	11.631	11.595	11.659	VV	3012	41896	1.33%	0.421%
187	11.682	11.659	11.695	VV	472	8162	0.26%	0.082%
188	11.724	11.695	11.763	VV	1869	34388	1.09%	0.346%
189	11.787	11.763	11.808	VV	495	8079	0.26%	0.081%
190	11.825	11.808	11.891	VV	330	13441	0.43%	0.135%
191	11.942	11.891	11.972	VV	530	20683	0.66%	0.208%
192	11.990	11.972	12.005	VV	585	9983	0.32%	0.100%
193	12.023	12.005	12.061	VV	825	18396	0.58%	0.185%
194	12.086	12.061	12.138	VV	606	21633	0.69%	0.217%

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195	12.149	12.138	12.166	VV	355	5015	0.16%	0.050%
196	12.296	12.166	12.330	VV	1509	66559	2.11%	0.669%
197	12.347	12.330	12.376	VV	665	13658	0.43%	0.137%
198	12.393	12.376	12.416	VV	563	10682	0.34%	0.107%
199	12.438	12.416	12.486	VV	643	21258	0.67%	0.214%
200	12.522	12.486	12.558	VV	1357	34936	1.11%	0.351%
201	12.588	12.558	12.617	VV	706	19305	0.61%	0.194%
202	12.632	12.617	12.661	VV	455	9956	0.32%	0.100%
203	12.679	12.661	12.690	VV	414	6031	0.19%	0.061%
204	12.712	12.690	12.738	VV	646	14553	0.46%	0.146%
205	12.752	12.738	12.768	VV	665	10215	0.32%	0.103%
206	12.805	12.768	12.838	VV	1186	30082	0.96%	0.302%
207	12.882	12.838	12.914	VV	1225	23266	0.74%	0.234%
208	12.943	12.914	12.988	VV	2926	42832	1.36%	0.430%
209	13.002	12.988	13.030	VV	326	6723	0.21%	0.068%
210	13.063	13.030	13.078	VV	288	6479	0.21%	0.065%
211	13.088	13.078	13.149	VV	230	5837	0.19%	0.059%
212	13.227	13.149	13.255	VV	344	13072	0.42%	0.131%
213	13.268	13.255	13.283	VV	268	3518	0.11%	0.035%
214	13.306	13.283	13.327	VV	360	6925	0.22%	0.070%
215	13.390	13.327	13.425	VV	270028	3149807	100.00%	31.659%
216	13.446	13.425	13.485	VV	568	14529	0.46%	0.146%
217	13.494	13.485	13.510	VV	384	4553	0.14%	0.046%
218	13.556	13.510	13.589	VV	878	22344	0.71%	0.225%
219	13.609	13.589	13.653	VV	557	16307	0.52%	0.164%
220	13.675	13.653	13.696	VV	401	8145	0.26%	0.082%
221	13.766	13.696	13.792	VV	558	21147	0.67%	0.213%
222	13.837	13.792	13.874	VV	631	23424	0.74%	0.235%
223	13.893	13.874	13.917	VV	298	6384	0.20%	0.064%
224	13.939	13.917	13.971	VV	358	9149	0.29%	0.092%
225	13.995	13.971	14.038	VV	444	13310	0.42%	0.134%
226	14.090	14.038	14.115	VV	1250	23712	0.75%	0.238%
227	14.144	14.115	14.191	VV	2934	40804	1.30%	0.410%
228	14.203	14.191	14.216	VV	233	2427	0.08%	0.024%
229	14.223	14.216	14.228	VV	129	888	0.03%	0.009%
230	14.240	14.228	14.308	VV	179	4492	0.14%	0.045%
231	14.314	14.308	14.323	VV	96	594	0.02%	0.006%
232	14.328	14.323	14.338	PV	58	331	0.01%	0.003%
233	14.372	14.338	14.427	VV	268	9854	0.31%	0.099%
234	14.439	14.427	14.461	VV	185	3010	0.10%	0.030%
235	14.475	14.461	14.512	VV	215	4665	0.15%	0.047%
236	14.535	14.512	14.549	VV	184	3273	0.10%	0.033%
237	14.580	14.549	14.630	VV	1135	21342	0.68%	0.215%
238	14.652	14.630	14.685	VV	261	7438	0.24%	0.075%
239	14.705	14.685	14.750	VV	848	14420	0.46%	0.145%
240	14.808	14.750	14.818	VV	307	8882	0.28%	0.089%
241	14.850	14.818	14.901	VV	417	15183	0.48%	0.153%
242	14.909	14.901	14.941	VV	265	5083	0.16%	0.051%
243	14.964	14.941	14.990	VV	361	7478	0.24%	0.075%
244	15.030	14.990	15.044	VV	476	11049	0.35%	0.111%
245	15.059	15.044	15.082	VV	385	7445	0.24%	0.075%
246	15.092	15.082	15.161	VV	214	6900	0.22%	0.069%

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247	15.204	15.161	15.221	VV	893	16019	0.51%	0.161%
248	15.248	15.221	15.370	VV	2860	48158	1.53%	0.484%
249	15.388	15.370	15.401	VV	61	558	0.02%	0.006%
250	15.444	15.401	15.464	PV	127	3362	0.11%	0.034%
251	15.504	15.464	15.544	VV	92	2391	0.08%	0.024%
252	15.559	15.544	15.578	PV	64	757	0.02%	0.008%
253	15.585	15.578	15.591	VV	31	253	0.01%	0.003%
254	15.623	15.591	15.630	VV	71	934	0.03%	0.009%
255	15.677	15.630	15.711	VV	223	5428	0.17%	0.055%
256	15.770	15.711	15.855	VV	1134	23332	0.74%	0.235%
257	15.942	15.855	15.985	VV	245	12552	0.40%	0.126%
258	15.997	15.985	16.021	VV	192	3178	0.10%	0.032%
259	16.092	16.021	16.111	VV	371	12560	0.40%	0.126%
260	16.133	16.111	16.158	VV	356	7654	0.24%	0.077%
261	16.170	16.158	16.191	VV	197	2997	0.10%	0.030%
262	16.230	16.191	16.247	VV	743	11395	0.36%	0.115%
263	16.271	16.247	16.304	VV	2660	39231	1.25%	0.394%
264	16.324	16.304	16.355	VV	294	5757	0.18%	0.058%
265	16.361	16.355	16.390	VV	104	1478	0.05%	0.015%
266	16.420	16.390	16.431	PV	124	1629	0.05%	0.016%
267	16.451	16.431	16.537	VV	200	5904	0.19%	0.059%
268	16.555	16.537	16.567	PV	126	1276	0.04%	0.013%
269	16.583	16.567	16.621	VV	167	2379	0.08%	0.024%
270	16.636	16.621	16.666	VV	115	2068	0.07%	0.021%
271	16.754	16.666	16.784	VV	1311	21290	0.68%	0.214%
272	16.802	16.784	16.818	VV	147	2267	0.07%	0.023%
273	16.846	16.818	16.873	VV	138	3015	0.10%	0.030%
274	16.958	16.873	16.998	VV	214	9705	0.31%	0.098%
275	17.035	16.998	17.043	VV	186	3527	0.11%	0.035%
276	17.057	17.043	17.081	VV	194	3289	0.10%	0.033%
277	17.106	17.081	17.134	VV	260	5733	0.18%	0.058%
278	17.151	17.134	17.163	VV	243	3706	0.12%	0.037%
279	17.187	17.163	17.201	VV	628	10194	0.32%	0.102%
280	17.221	17.201	17.258	VV	2334	34205	1.09%	0.344%
281	17.268	17.258	17.295	VV	279	3978	0.13%	0.040%
282	17.330	17.295	17.368	VV	145	3469	0.11%	0.035%
283	17.376	17.368	17.385	VV	56	438	0.01%	0.004%
284	17.403	17.385	17.423	VV	60	894	0.03%	0.009%
285	17.436	17.423	17.450	PV	65	444	0.01%	0.004%
286	17.469	17.450	17.479	PV	69	637	0.02%	0.006%
287	17.514	17.479	17.531	VV	109	1749	0.06%	0.018%
288	17.605	17.531	17.627	VV	91	2504	0.08%	0.025%
289	17.672	17.627	17.716	VV	1342	20185	0.64%	0.203%
290	17.720	17.716	17.731	VV	52	279	0.01%	0.003%
291	17.787	17.731	17.828	PV	190	4980	0.16%	0.050%
292	17.956	17.828	17.987	VV	203	10319	0.33%	0.104%
293	18.015	17.987	18.040	PV	165	4022	0.13%	0.040%
294	18.109	18.040	18.148	VV	2062	40000	1.27%	0.402%
295	18.161	18.148	18.181	VV	136	2041	0.06%	0.021%
296	18.267	18.181	18.318	VV	264	10959	0.35%	0.110%
297	18.328	18.318	18.335	VV	55	311	0.01%	0.003%
298	18.343	18.335	18.361	PV	25	260	0.01%	0.003%
299	18.394	18.361	18.416	VV	149	2656	0.08%	0.027%

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300	18.425	18.416	18.448	VV	109	702	0.02%	0.007%
301	18.533	18.448	18.559	VV	1424	21447	0.68%	0.216%
302	18.586	18.559	18.604	PV	125	1446	0.05%	0.015%
303	18.630	18.604	18.650	VV	198	3061	0.10%	0.031%
304	18.665	18.650	18.680	VV	97	1202	0.04%	0.012%
305	18.693	18.680	18.698	VV	47	381	0.01%	0.004%
306	18.744	18.698	18.765	VV	78	1819	0.06%	0.018%
307	18.837	18.765	18.887	VV	149	6300	0.20%	0.063%
308	18.942	18.887	19.008	PV	1601	30873	0.98%	0.310%
309	19.100	19.008	19.111	VV	158	6160	0.20%	0.062%
310	19.125	19.111	19.133	VV	107	1183	0.04%	0.012%
311	19.150	19.133	19.161	VV	91	1150	0.04%	0.012%
312	19.196	19.161	19.207	PV	102	1599	0.05%	0.016%
313	19.341	19.207	19.378	VV	791	14397	0.46%	0.145%
314	19.385	19.378	19.395	VV	73	710	0.02%	0.007%
315	19.589	19.395	19.597	VV	184	16015	0.51%	0.161%
316	19.726	19.597	19.768	VV	1296	39537	1.26%	0.397%
317	20.038	19.768	20.048	VV	599	67426	2.14%	0.678%
318	20.104	20.048	20.129	VV	1092	35640	1.13%	0.358%
319	20.372	20.129	20.397	VV	1747	173074	5.49%	1.740%
320	20.467	20.397	20.493	VV	2467	102363	3.25%	1.029%
321	20.826	20.493	20.849	VV	2832	489221	15.53%	4.917%
322	20.910	20.849	20.918	VV	2703	109261	3.47%	1.098%
323	20.933	20.918	20.945	VV	2715	42807	1.36%	0.430%
324	21.013	20.945	21.051	VV	2850	173968	5.52%	1.749%
325	21.136	21.051	21.149	VV	2692	152361	4.84%	1.531%
326	21.217	21.149	21.276	VV	2941	194155	6.16%	1.951%
327	21.288	21.276	21.301	VV	2230	33054	1.05%	0.332%
328	21.359	21.301	21.405	VV	2102	130366	4.14%	1.310%
329	21.429	21.405	21.448	VV	1951	49315	1.57%	0.496%
330	21.477	21.448	21.534	VV	1841	88613	2.81%	0.891%
331	21.571	21.534	21.605	VV	1567	62789	1.99%	0.631%
332	21.651	21.605	21.717	VV	1374	84208	2.67%	0.846%
333	21.731	21.717	21.758	VV	1064	25104	0.80%	0.252%
334	21.775	21.758	21.783	VV	1009	14208	0.45%	0.143%
335	21.805	21.783	21.814	VV	941	17175	0.55%	0.173%
336	21.827	21.814	21.861	VV	923	24185	0.77%	0.243%
337	21.869	21.861	21.882	VV	778	9445	0.30%	0.095%
338	21.892	21.882	21.898	VV	715	6435	0.20%	0.065%
339	22.028	21.898	22.055	VV	522	54208	1.72%	0.545%
340	22.153	22.055	22.204	VV	536	32721	1.04%	0.329%
341	22.227	22.204	22.251	VBA	144	13217	0.42%	0.133%

Sum of corrected areas: 9949299

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-7			SDG No.:	P4721
Lab Sample ID:	P4721-14			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.8
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
11/08/24 08:47	11/11/24 10:50	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	344		25	10.9	28.8	mg/kg	FG014725.D
Aliphatic C12-C16	Aliphatic C12-C16	300		25	6.90	19.2	mg/kg	FG014725.D
Aliphatic C16-C21	Aliphatic C16-C21	21.0		1	0.35	1.15	mg/kg	FG014716.D
Aliphatic C21-C28	Aliphatic C21-C28	1.03	J	1	0.92	1.53	mg/kg	FG014716.D
Aliphatic C28-C40	Aliphatic C28-C40	2.07	U	1	2.07	2.30	mg/kg	FG014716.D
Aromatic C10-C12	Aromatic C10-C12	531		50	17.3	38.4	mg/kg	FF014995.D
Aromatic C12-C16	Aromatic C12-C16	230		50	19.6	57.5	mg/kg	FF014995.D
Aromatic C16-C21	Aromatic C16-C21	49.6		2	2.21	3.84	mg/kg	FF014994.D
Aromatic C21-C36	Aromatic C21-C36	2.30	U	1	2.30	3.07	mg/kg	FF014984.D
Total AliphaticEPH	Total AliphaticEPH	666			21.1	53.0	mg/kg	
Total AromaticEPH	Total AromaticEPH	811			41.4	103	mg/kg	
Total EPH	Total EPH	1480			62.5	156	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:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-7		SDG No.:	P4721	
Lab Sample ID:	P4721-14		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.8	
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
FF014984.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	380	E	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	180	E	0.39	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	48.9	E	1.10	1.92	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.30	U	2.30	3.07	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	66.6		40 - 140	133%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	61.5		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4721-14	Acq On:	08 Nov 2024 21:45
Client Sample ID:	EX-9-TPH-7	Operator:	YP\AJ
Data file:	FF014984.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	767676576	4970	200	ug/ml
Aromatic C12-C16	6.366	8.961	361270134	2350	300	ug/ml
Aromatic C16-C21	8.962	13.378	90512075	636.977	500	ug/ml
Aromatic C21-C36	13.379	18.826	3850024	27.89	800	ug/ml
Aromatic EPH	4.496	18.826	1223308809	7980		ug/ml
2-Bromonaphthalene (SURR)	8.000	8.000	8865715	66.62		ug/ml
2-Flurobiphenyl (SURR)	8.875	8.875	5486583	61.52		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	3895106	26.45		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014984.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:45
Operator : YP\AJ
Sample : P4721-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7

Integration File: autoint1.e
Quant Time: Nov 09 00:28:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	8.000	8865715	66.618 ug/ml
Spiked Amount 50.000		Recovery = 133.24%	
6) S 2-Flurobiphenyl (SURR)	8.875	5486583	61.517 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 123.03%	
11) S ortho-Terphenyl (SURR)	11.930	3895106	26.446 ug/ml
Spiked Amount 50.000		Recovery = 52.89%	
Target Compounds			

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

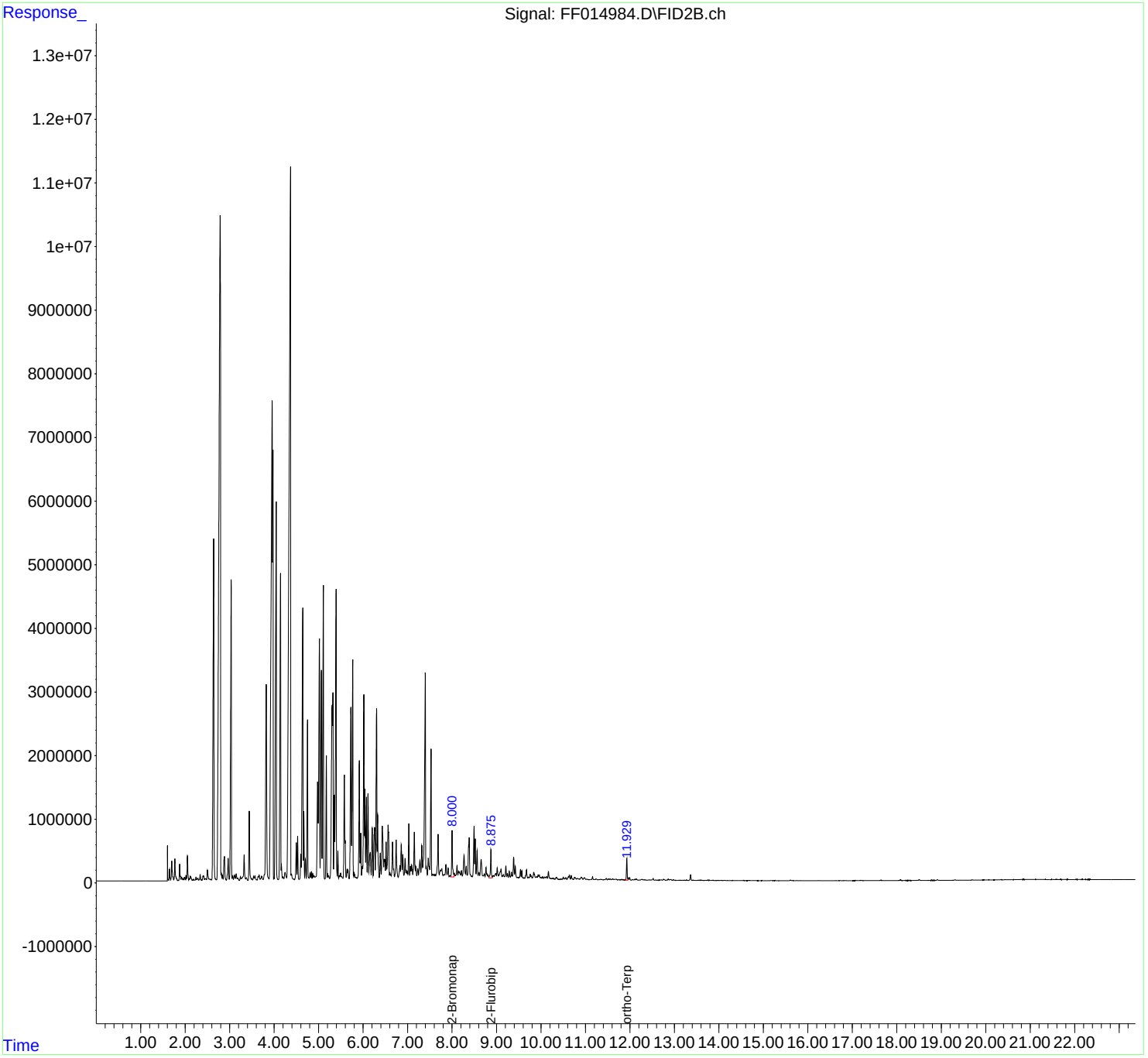
Quantitation Report (QT Reviewed)

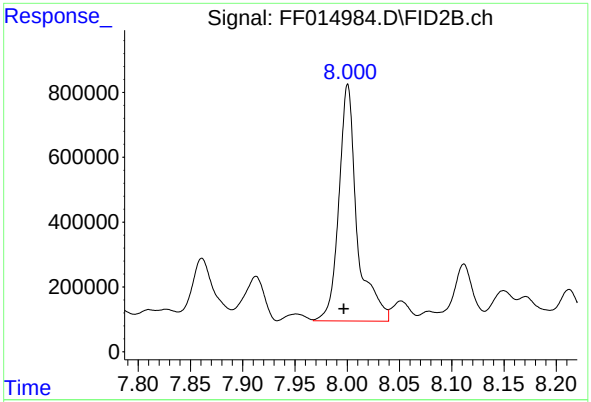
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014984.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:45
Operator : YP\AJ
Sample : P4721-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7

Integration File: autoint1.e
Quant Time: Nov 09 00:28:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

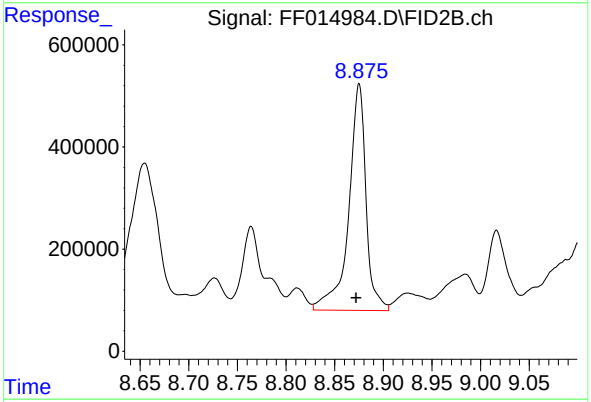




#4 2-Bromonaphthalene (SURR)

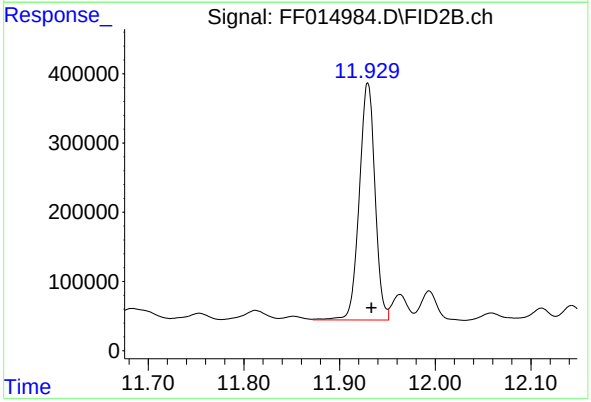
R.T.: 8.000 min
Delta R.T.: 0.004 min
Response: 8865715
Conc: 66.62 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7



#6 2-Flurobiphenyl (SURR)

R.T.: 8.875 min
Delta R.T.: 0.003 min
Response: 5486583
Conc: 61.52 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.004 min
Response: 3895106
Conc: 26.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014984.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 21:45
Sample : P4721-14
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.448	4.442	4.460	PV	4646	26571	0.05%	0.002%
2	4.498	4.460	4.513	PV	584937	6393411	10.97%	0.518%
3	4.529	4.513	4.558	VV	687147	6802356	11.67%	0.551%
4	4.599	4.558	4.608	VV	403808	3856785	6.62%	0.312%
5	4.644	4.608	4.656	VV	4248047	57995553	99.53%	4.697%
6	4.668	4.656	4.687	VV	1074487	10441636	17.92%	0.846%
7	4.703	4.687	4.723	VV	326834	3722745	6.39%	0.302%
8	4.751	4.723	4.786	VV	2520459	25518855	43.80%	2.067%
9	4.808	4.786	4.822	VV	106454	1300124	2.23%	0.105%
10	4.837	4.822	4.852	VV	125710	1403396	2.41%	0.114%
11	4.867	4.852	4.881	VV	100817	1138393	1.95%	0.092%
12	4.895	4.881	4.917	VV	68347	1183254	2.03%	0.096%
13	4.941	4.917	4.946	VV	51958	809093	1.39%	0.066%
14	4.978	4.946	4.992	VV	1540762	22299453	38.27%	1.806%
15	5.019	4.992	5.034	VV	3800042	51730147	88.78%	4.190%
16	5.063	5.034	5.078	VV	3295517	45625883	78.31%	3.695%
17	5.107	5.078	5.141	VV	4640650	55609452	95.44%	4.504%
18	5.175	5.141	5.192	VV	1939836	18521982	31.79%	1.500%
19	5.205	5.192	5.219	VV	98133	1153690	1.98%	0.093%
20	5.228	5.219	5.251	VV	63249	802703	1.38%	0.065%
21	5.305	5.251	5.314	VV	2734358	46385271	79.61%	3.757%
22	5.323	5.314	5.336	VV	2935424	25808758	44.29%	2.090%
23	5.354	5.336	5.364	VV	1336707	13564153	23.28%	1.099%
24	5.394	5.364	5.420	VV	4581074	58266599	100.00%	4.719%
25	5.434	5.420	5.451	VV	458065	3967949	6.81%	0.321%

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26	5.465	5.451	5.478	VV	69620	847599	1.45%	0.069%
27	5.495	5.478	5.513	VV	105543	1599291	2.74%	0.130%
28	5.521	5.513	5.545	VV	54391	769348	1.32%	0.062%
29	5.579	5.545	5.620	VV	1653585	24203841	41.54%	1.960%
30	5.640	5.620	5.651	VV	167435	1984818	3.41%	0.161%
31	5.660	5.651	5.686	VV	157241	1895669	3.25%	0.154%
32	5.725	5.686	5.742	VV	2718274	35426145	60.80%	2.869%
33	5.768	5.742	5.782	VV	3485665	40815224	70.05%	3.306%
34	5.791	5.782	5.802	VV	123837	1170194	2.01%	0.095%
35	5.809	5.802	5.823	VV	88146	838318	1.44%	0.068%
36	5.828	5.823	5.840	VV	45236	421000	0.72%	0.034%
37	5.850	5.840	5.864	VV	39437	468322	0.80%	0.038%
38	5.916	5.864	5.933	VV	1875974	21932219	37.64%	1.776%
39	5.949	5.933	5.966	VV	736319	8535851	14.65%	0.691%
40	5.983	5.966	5.991	VV	211217	2438089	4.18%	0.197%
41	6.019	5.991	6.032	VV	2918449	35734252	61.33%	2.894%
42	6.043	6.032	6.058	VV	1437252	14309026	24.56%	1.159%
43	6.077	6.058	6.091	VV	1300021	14246513	24.45%	1.154%
44	6.111	6.091	6.129	VV	1358780	14565545	25.00%	1.180%
45	6.160	6.129	6.182	VV	428572	9278933	15.92%	0.752%
46	6.206	6.182	6.227	VV	817503	11504876	19.75%	0.932%
47	6.259	6.227	6.274	VV	822539	14474602	24.84%	1.172%
48	6.303	6.274	6.316	VV	2703721	33434401	57.38%	2.708%
49	6.328	6.316	6.366	VV	1022985	12480859	21.42%	1.011%
50	6.386	6.366	6.408	VV	420852	5518824	9.47%	0.447%
51	6.431	6.408	6.464	VV	848630	16359921	28.08%	1.325%
52	6.476	6.464	6.483	VV	329891	3169637	5.44%	0.257%
53	6.489	6.483	6.502	VV	326007	3153321	5.41%	0.255%
54	6.517	6.502	6.533	VV	598907	6483336	11.13%	0.525%
55	6.562	6.533	6.592	VV	865837	16920037	29.04%	1.370%
56	6.602	6.592	6.631	VV	119398	2058857	3.53%	0.167%
57	6.662	6.631	6.682	VV	599690	8294834	14.24%	0.672%
58	6.687	6.682	6.706	VV	174796	1710730	2.94%	0.139%
59	6.744	6.706	6.791	VV	634149	10562526	18.13%	0.855%
60	6.829	6.791	6.841	VV	229486	4115461	7.06%	0.333%
61	6.858	6.841	6.878	VV	558791	7910756	13.58%	0.641%
62	6.893	6.878	6.916	VV	397364	5237951	8.99%	0.424%
63	6.945	6.916	6.961	VV	342929	5092953	8.74%	0.412%
64	6.970	6.961	6.984	VV	156097	1814673	3.11%	0.147%
65	6.996	6.984	7.007	VV	135610	1608064	2.76%	0.130%
66	7.028	7.007	7.047	VV	885685	9995684	17.16%	0.810%
67	7.064	7.047	7.077	VV	214981	2901251	4.98%	0.235%
68	7.091	7.077	7.116	VV	238691	4028531	6.91%	0.326%
69	7.151	7.116	7.176	VV	754837	11404028	19.57%	0.924%

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70	7.186	7.176	7.205	VV	210738	2561589	4.40%	0.207%
71	7.229	7.205	7.246	VV	178386	2999336	5.15%	0.243%
72	7.277	7.246	7.299	VV	311581	6339878	10.88%	0.513%
73	7.321	7.299	7.340	VV	545628	8210731	14.09%	0.665%
74	7.399	7.340	7.412	VV	3272550	50809417	87.20%	4.115%
75	7.420	7.412	7.445	VV	213739	3178685	5.46%	0.257%
76	7.465	7.445	7.498	VV	343576	7055289	12.11%	0.571%
77	7.528	7.498	7.548	VV	2068398	24324426	41.75%	1.970%
78	7.561	7.548	7.574	VV	90337	1296163	2.22%	0.105%
79	7.587	7.574	7.602	VV	88702	1300848	2.23%	0.105%
80	7.617	7.602	7.632	VV	93063	1420620	2.44%	0.115%
81	7.687	7.632	7.712	VV	720088	12067739	20.71%	0.977%
82	7.741	7.712	7.752	VV	156863	3150227	5.41%	0.255%
83	7.769	7.752	7.797	VV	178664	3550822	6.09%	0.288%
84	7.810	7.797	7.818	VV	85499	1004861	1.72%	0.081%
85	7.827	7.818	7.838	VV	86563	1037388	1.78%	0.084%
86	7.861	7.838	7.890	VV	243934	4488129	7.70%	0.364%
87	7.913	7.890	7.933	VV	188441	3194600	5.48%	0.259%
88	7.951	7.933	7.967	VV	72475	1305238	2.24%	0.106%
89	8.001	7.967	8.039	VV	781820	11042505	18.95%	0.894%
90	8.051	8.039	8.068	VV	112481	1581093	2.71%	0.128%
91	8.078	8.068	8.086	VV	80653	858736	1.47%	0.070%
92	8.112	8.086	8.131	VV	227290	3649295	6.26%	0.296%
93	8.150	8.131	8.162	VV	144395	2245618	3.85%	0.182%
94	8.171	8.162	8.194	VV	126506	1997834	3.43%	0.162%
95	8.212	8.194	8.231	VV	148497	2354398	4.04%	0.191%
96	8.270	8.231	8.302	VV	391072	8248006	14.16%	0.668%
97	8.319	8.302	8.344	VV	214916	3451597	5.92%	0.280%
98	8.386	8.344	8.430	VV	670534	13939641	23.92%	1.129%
99	8.433	8.430	8.458	VV	65510	1030910	1.77%	0.083%
100	8.496	8.458	8.509	VV	849316	11441110	19.64%	0.927%
101	8.522	8.509	8.539	VV	650388	6544321	11.23%	0.530%
102	8.564	8.539	8.588	VV	466664	6874695	11.80%	0.557%
103	8.606	8.588	8.623	VV	122348	2060594	3.54%	0.167%
104	8.655	8.623	8.691	VV	324994	7286151	12.50%	0.590%
105	8.697	8.691	8.703	VV	68120	503283	0.86%	0.041%
106	8.726	8.703	8.743	VV	100302	1894113	3.25%	0.153%
107	8.764	8.743	8.800	VV	201627	3875639	6.65%	0.314%
108	8.811	8.800	8.827	VV	80941	1104965	1.90%	0.089%
109	8.875	8.827	8.905	VV	481552	7215535	12.38%	0.584%
110	8.925	8.905	8.949	VV	71003	1648269	2.83%	0.133%
111	8.984	8.949	8.999	VV	107986	2595666	4.45%	0.210%
112	9.016	8.999	9.042	VV	193944	3135008	5.38%	0.254%

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113	9.102	9.042	9.123	VV	175419	5394504	9.26%	0.437%
114	9.134	9.123	9.144	VV	74257	855028	1.47%	0.069%
115	9.158	9.144	9.187	VV	90918	1779676	3.05%	0.144%
116	9.211	9.187	9.231	VV	225293	3275410	5.62%	0.265%
117	9.245	9.231	9.266	VV	105961	1614396	2.77%	0.131%
118	9.287	9.266	9.309	VV	139357	2257131	3.87%	0.183%
119	9.337	9.309	9.352	VV	126720	2125176	3.65%	0.172%
120	9.386	9.352	9.406	VV	363659	5657466	9.71%	0.458%
121	9.423	9.406	9.461	VV	219736	3479972	5.97%	0.282%
122	9.475	9.461	9.499	VV	47463	970316	1.67%	0.079%
123	9.539	9.499	9.555	VV	170028	2817127	4.83%	0.228%
124	9.570	9.555	9.605	VV	153120	2269172	3.89%	0.184%
125	9.619	9.605	9.634	VV	39708	612548	1.05%	0.050%
126	9.675	9.634	9.702	VV	163736	3225081	5.54%	0.261%
127	9.718	9.702	9.735	VV	52157	867468	1.49%	0.070%
128	9.758	9.735	9.773	VV	96175	1525040	2.62%	0.124%
129	9.782	9.773	9.807	VV	66325	1046366	1.80%	0.085%
130	9.837	9.807	9.873	VV	127234	3114564	5.35%	0.252%
131	9.884	9.873	9.890	VV	48483	474896	0.82%	0.038%
132	9.908	9.890	9.921	VV	59289	971995	1.67%	0.079%
133	9.937	9.921	9.951	VV	88519	1237971	2.12%	0.100%
134	9.962	9.951	9.984	VV	82752	1238232	2.13%	0.100%
135	10.002	9.984	10.020	VV	48056	903865	1.55%	0.073%
136	10.038	10.020	10.061	VV	58754	1068985	1.83%	0.087%
137	10.080	10.061	10.102	VV	52757	1072954	1.84%	0.087%
138	10.130	10.102	10.147	VV	58189	1281118	2.20%	0.104%
139	10.167	10.147	10.198	VV	137886	2291035	3.93%	0.186%
140	10.204	10.198	10.225	VV	34348	479705	0.82%	0.039%
141	10.239	10.225	10.256	VV	29269	506636	0.87%	0.041%
142	10.278	10.256	10.309	VV	37595	878393	1.51%	0.071%
143	10.343	10.309	10.387	VV	49068	1381828	2.37%	0.112%
144	10.399	10.387	10.422	VV	18334	335658	0.58%	0.027%
145	10.443	10.422	10.460	VV	22994	409110	0.70%	0.033%
146	10.471	10.460	10.478	VV	17079	180201	0.31%	0.015%
147	10.501	10.478	10.521	VV	50768	823883	1.41%	0.067%
148	10.528	10.521	10.536	VV	22393	191442	0.33%	0.016%
149	10.555	10.536	10.583	VV	45581	870181	1.49%	0.070%
150	10.612	10.583	10.621	VV	54774	824410	1.41%	0.067%
151	10.637	10.621	10.662	VV	81245	1320669	2.27%	0.107%
152	10.681	10.662	10.725	VV	73325	1320852	2.27%	0.107%
153	10.755	10.725	10.796	VV	49069	1333606	2.29%	0.108%
154	10.819	10.796	10.844	VV	32473	752849	1.29%	0.061%
155	10.850	10.844	10.867	VV	23968	298140	0.51%	0.024%

156	10.905	10.867	10.943	VV	51674	1457601	2.50%	0.118%
157	10.978	10.943	11.001	VV	44236	1057142	1.81%	0.086%
158	11.008	11.001	11.019	VV	18218	185226	0.32%	0.015%
159	11.034	11.019	11.052	VV	19174	330434	0.57%	0.027%
160	11.058	11.052	11.075	VV	13861	165624	0.28%	0.013%
161	11.122	11.075	11.135	VV	15304	445058	0.76%	0.036%
162	11.159	11.135	11.187	VV	58497	880911	1.51%	0.071%
163	11.191	11.187	11.206	VV	13356	143024	0.25%	0.012%
164	11.236	11.206	11.277	VV	22432	686996	1.18%	0.056%
165	11.298	11.277	11.310	VV	12651	215114	0.37%	0.017%
166	11.335	11.310	11.361	VV	16864	440028	0.76%	0.036%
167	11.375	11.361	11.395	VV	15549	258776	0.44%	0.021%
168	11.430	11.395	11.441	VV	12836	303230	0.52%	0.025%
169	11.467	11.441	11.489	VV	30136	574896	0.99%	0.047%
170	11.511	11.489	11.536	VV	23789	506161	0.87%	0.041%
171	11.553	11.536	11.576	VV	26856	436394	0.75%	0.035%
172	11.608	11.576	11.623	VV	26085	504235	0.87%	0.041%
173	11.637	11.623	11.663	VV	18267	378724	0.65%	0.031%
174	11.683	11.663	11.723	VV	21691	567754	0.97%	0.046%
175	11.753	11.723	11.777	VV	14872	322888	0.55%	0.026%
176	11.812	11.777	11.836	VV	19099	413350	0.71%	0.033%
177	11.852	11.836	11.871	VV	10658	178999	0.31%	0.014%
178	11.930	11.871	11.951	VV	348462	4144013	7.11%	0.336%
179	11.963	11.951	11.978	VV	42186	496756	0.85%	0.040%
180	11.994	11.978	12.032	VV	47455	649321	1.11%	0.053%
181	12.059	12.032	12.084	VV	15608	320504	0.55%	0.026%
182	12.111	12.084	12.126	VV	22705	362849	0.62%	0.029%
183	12.143	12.126	12.193	VV	26577	524536	0.90%	0.042%
184	12.215	12.193	12.230	VV	7664	143285	0.25%	0.012%
185	12.274	12.230	12.292	VV	17674	488544	0.84%	0.040%
186	12.300	12.292	12.314	VV	12347	143157	0.25%	0.012%
187	12.329	12.314	12.354	VV	12133	221933	0.38%	0.018%
188	12.364	12.354	12.382	VV	7592	108719	0.19%	0.009%
189	12.405	12.382	12.415	VV	7199	120710	0.21%	0.010%
190	12.436	12.415	12.452	VV	10467	187629	0.32%	0.015%
191	12.462	12.452	12.477	VV	8313	111607	0.19%	0.009%
192	12.499	12.477	12.503	VV	10561	137613	0.24%	0.011%
193	12.522	12.503	12.556	VV	35088	509305	0.87%	0.041%
194	12.579	12.556	12.598	VV	9076	174421	0.30%	0.014%
195	12.612	12.598	12.629	VV	6464	101920	0.17%	0.008%
196	12.644	12.629	12.653	VV	6364	84856	0.15%	0.007%
197	12.660	12.653	12.669	VV	6269	59653	0.10%	0.005%
198	12.686	12.669	12.694	VV	9264	122478	0.21%	0.010%
199	12.707	12.694	12.728	VV	11725	173959	0.30%	0.014%

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200	12.753	12.728	12.765	VV	21013	294493	0.51%	0.024%
201	12.771	12.765	12.797	VV	16504	201477	0.35%	0.016%
202	12.831	12.797	12.842	VV	8518	165464	0.28%	0.013%
203	12.863	12.842	12.882	VV	25459	366838	0.63%	0.030%
204	12.899	12.882	12.907	VV	14346	188536	0.32%	0.015%
205	12.921	12.907	12.955	VV	17572	299405	0.51%	0.024%
206	12.977	12.955	13.027	VV	15720	310359	0.53%	0.025%
207	13.035	13.027	13.049	VV	2771	33690	0.06%	0.003%
208	13.077	13.049	13.083	VV	3548	59963	0.10%	0.005%
209	13.103	13.083	13.121	VV	4967	89168	0.15%	0.007%
210	13.137	13.121	13.153	VV	6076	84541	0.15%	0.007%
211	13.170	13.153	13.181	VV	4318	63260	0.11%	0.005%
212	13.194	13.181	13.251	VV	5173	160478	0.28%	0.013%
213	13.275	13.251	13.299	VV	12042	172902	0.30%	0.014%
214	13.309	13.299	13.319	VV	2895	33151	0.06%	0.003%
215	13.364	13.319	13.395	VV	91474	1226301	2.10%	0.099%
216	13.417	13.395	13.440	VV	5382	112015	0.19%	0.009%
217	13.450	13.440	13.473	VV	3767	63678	0.11%	0.005%
218	13.482	13.473	13.504	VV	2804	40630	0.07%	0.003%
219	13.532	13.504	13.543	VV	5613	88073	0.15%	0.007%
220	13.561	13.543	13.592	VV	6316	160408	0.28%	0.013%
221	13.609	13.592	13.654	VV	7957	140498	0.24%	0.011%
222	13.674	13.654	13.689	VV	5445	73893	0.13%	0.006%
223	13.707	13.689	13.725	VV	5483	87152	0.15%	0.007%
224	13.754	13.725	13.806	VV	10787	233777	0.40%	0.019%
225	13.827	13.806	13.839	VV	2865	50224	0.09%	0.004%
226	13.863	13.839	13.903	VV	7376	144501	0.25%	0.012%
227	13.908	13.903	13.922	VV	1590	16766	0.03%	0.001%
228	13.935	13.922	13.950	VV	2103	26694	0.05%	0.002%
229	13.972	13.950	13.995	VV	5213	82279	0.14%	0.007%
230	14.013	13.995	14.026	VV	3724	52554	0.09%	0.004%
231	14.035	14.026	14.040	VV	2720	20698	0.04%	0.002%
232	14.060	14.040	14.088	VV	4206	84803	0.15%	0.007%
233	14.118	14.088	14.132	VV	4789	78103	0.13%	0.006%
234	14.141	14.132	14.163	VV	3875	49854	0.09%	0.004%
235	14.182	14.163	14.244	VV	2514	56686	0.10%	0.005%
236	14.249	14.244	14.302	VV	681	13495	0.02%	0.001%
237	14.338	14.302	14.367	PV	1049	24413	0.04%	0.002%
238	14.380	14.367	14.401	VV	571	9312	0.02%	0.001%
239	14.410	14.401	14.434	VV	643	10281	0.02%	0.001%
240	14.451	14.434	14.465	VV	979	13944	0.02%	0.001%
241	14.482	14.465	14.502	VV	1418	20806	0.04%	0.002%
242	14.509	14.502	14.514	VV	599	3956	0.01%	0.000%

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243	14.557	14.514	14.625	VV	2909	109754	0.19%	0.009%
244	14.679	14.625	14.717	VV	3546	93236	0.16%	0.008%
245	14.730	14.717	14.759	VV	1903	33396	0.06%	0.003%
246	14.782	14.759	14.795	VV	1367	23917	0.04%	0.002%
247	14.810	14.795	14.829	VV	1388	22745	0.04%	0.002%
248	14.839	14.829	14.863	VV	1117	17614	0.03%	0.001%
249	14.876	14.863	14.920	VV	640	15271	0.03%	0.001%
250	14.965	14.920	14.986	VV	712	18281	0.03%	0.001%
251	15.002	14.986	15.021	VV	604	10545	0.02%	0.001%
252	15.029	15.021	15.095	VV	576	14372	0.02%	0.001%
253	15.109	15.095	15.131	VV	294	4610	0.01%	0.000%
254	15.153	15.131	15.172	VV	1822	25468	0.04%	0.002%
255	15.193	15.172	15.205	VV	2032	29498	0.05%	0.002%
256	15.219	15.205	15.250	VV	2794	46308	0.08%	0.004%
257	15.265	15.250	15.290	VV	1256	17112	0.03%	0.001%
258	15.313	15.290	15.325	VV	613	8906	0.02%	0.001%
259	15.346	15.325	15.370	VV	825	17339	0.03%	0.001%
260	15.389	15.370	15.444	VV	830	20360	0.03%	0.002%
261	15.461	15.444	15.482	VV	449	5808	0.01%	0.000%
262	15.516	15.482	15.556	PV	353	7569	0.01%	0.001%
263	15.604	15.556	15.706	VV	7036	183797	0.32%	0.015%
264	15.755	15.706	15.801	VV	1325	42887	0.07%	0.003%
265	15.827	15.801	15.847	VV	1561	21801	0.04%	0.002%
266	15.865	15.847	15.901	VV	809	14104	0.02%	0.001%
267	15.922	15.901	15.925	VV	317	3836	0.01%	0.000%
268	15.931	15.925	15.936	VV	410	2165	0.00%	0.000%
269	15.954	15.936	16.026	VV	748	25742	0.04%	0.002%
270	16.061	16.026	16.082	VV	712	13246	0.02%	0.001%
271	16.098	16.082	16.132	VV	454	10264	0.02%	0.001%
272	16.139	16.132	16.179	VV	376	7724	0.01%	0.001%
273	16.201	16.179	16.219	VV	751	10962	0.02%	0.001%
274	16.241	16.219	16.279	VV	2095	34165	0.06%	0.003%
275	16.297	16.279	16.365	VV	571	11641	0.02%	0.001%
276	16.380	16.365	16.397	PV	173	1830	0.00%	0.000%
277	16.422	16.397	16.455	VV	413	8979	0.02%	0.001%
278	16.466	16.455	16.486	VV	306	3247	0.01%	0.000%
279	16.533	16.503	16.564	VV	234	4506	0.01%	0.000%
280	16.576	16.564	16.585	VV	159	1176	0.00%	0.000%
281	16.634	16.597	16.662	VV	784	17019	0.03%	0.001%
282	16.724	16.662	16.765	VV	1772	42819	0.07%	0.003%
283	16.771	16.765	16.778	VV	185	1228	0.00%	0.000%
284	16.807	16.778	16.830	VV	1035	15628	0.03%	0.001%
285	16.853	16.830	16.876	VV	2012	29141	0.05%	0.002%

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286	16.884	16.876	16.904	VV	325	4219	0.01%	0.000%
287	16.926	16.904	16.950	VV	338	6902	0.01%	0.001%
288	16.957	16.950	16.978	VV	231	3173	0.01%	0.000%
289	17.033	16.978	17.058	VV	1002	18215	0.03%	0.001%
290	17.089	17.058	17.131	VV	975	21421	0.04%	0.002%
291	17.157	17.131	17.167	VV	878	12653	0.02%	0.001%
292	17.192	17.167	17.218	VV	5690	84861	0.15%	0.007%
293	17.241	17.218	17.324	VV	2106	44334	0.08%	0.004%
294	17.343	17.324	17.370	VV	302	6353	0.01%	0.001%
295	17.378	17.370	17.417	VV	191	2936	0.01%	0.000%
296	17.450	17.417	17.459	PV	211	3302	0.01%	0.000%
297	17.472	17.468	17.491	VV	202	1702	0.00%	0.000%
298	17.528	17.509	17.545	VV	232	2977	0.01%	0.000%
299	17.590	17.545	17.597	VV	486	9104	0.02%	0.001%
300	17.643	17.597	17.696	VV	9135	147920	0.25%	0.012%
301	17.731	17.696	17.742	VV	570	10480	0.02%	0.001%
302	17.745	17.742	17.774	VV	380	5786	0.01%	0.000%
303	17.799	17.774	17.811	VV	262	4745	0.01%	0.000%
304	17.816	17.811	17.856	VV	185	3012	0.01%	0.000%
305	17.875	17.856	17.887	VV	155	2121	0.00%	0.000%
306	17.899	17.887	17.915	VV	217	2529	0.00%	0.000%
307	17.928	17.915	17.952	VV	292	3744	0.01%	0.000%
308	18.080	17.985	18.137	PV	14883	240087	0.41%	0.019%
309	18.168	18.137	18.207	VV	1773	33478	0.06%	0.003%
310	18.227	18.207	18.281	VV	374	10594	0.02%	0.001%
311	18.315	18.281	18.327	VV	129	2981	0.01%	0.000%
312	18.354	18.327	18.381	VV	586	9216	0.02%	0.001%
313	18.402	18.381	18.417	PV	295	3892	0.01%	0.000%
314	18.450	18.417	18.476	VV	3169	68871	0.12%	0.006%
315	18.503	18.476	18.556	VV	13905	229768	0.39%	0.019%
316	18.567	18.556	18.577	VV	418	5100	0.01%	0.000%
317	18.597	18.577	18.621	VV	632	11134	0.02%	0.001%
318	18.630	18.621	18.666	VV	258	4469	0.01%	0.000%
319	18.712	18.666	18.739	PV	1015	13663	0.02%	0.001%
320	18.767	18.739	18.782	PV	332	4773	0.01%	0.000%

Sum of corrected areas: 1234694927

Aromatic EPH 110724.M Sat Nov 09 05:41:56 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-7		SDG No.:	P4721	
Lab Sample ID:	P4721-14		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.8	
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
FG014716.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	303	E	0.44	1.15	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	263	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	21.0		0.35	1.15	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.03	J	0.92	1.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.07	U	2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.2		40 - 140	44%	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:	P4721-14	Acq On:	08 Nov 2024 17:59
Client Sample ID:	EX-9-TPH-7	Operator:	YP\AJ
Data file:	FG014716.D	Misc:	
Instrument:	FID_G	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.844	519785212	3960	300	ug/ml
Aliphatic C12-C16	6.845	10.289	467014804	3440	200	ug/ml
Aliphatic C16-C21	10.290	13.661	38631816	273.498	300	ug/ml
Aliphatic C21-C28	13.662	17.327	1895669	13.485	400	ug/ml
Aliphatic C28-C40	17.328	22.264	505726	4.785	600	ug/ml
Aliphatic EPH	3.223	22.264	1027833227	7690		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	2726684	22.21		ug/ml
Aliphatic C9-C28	3.223	17.327	1027327501	7680	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014716.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:59
Operator : YP\AJ
Sample : P4721-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7

Integration File: autoint1.e
Quant Time: Nov 09 03:41:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.391	2726684	22.206 ug/ml
Spiked Amount 50.000		Recovery = 44.41%	
Target Compounds			

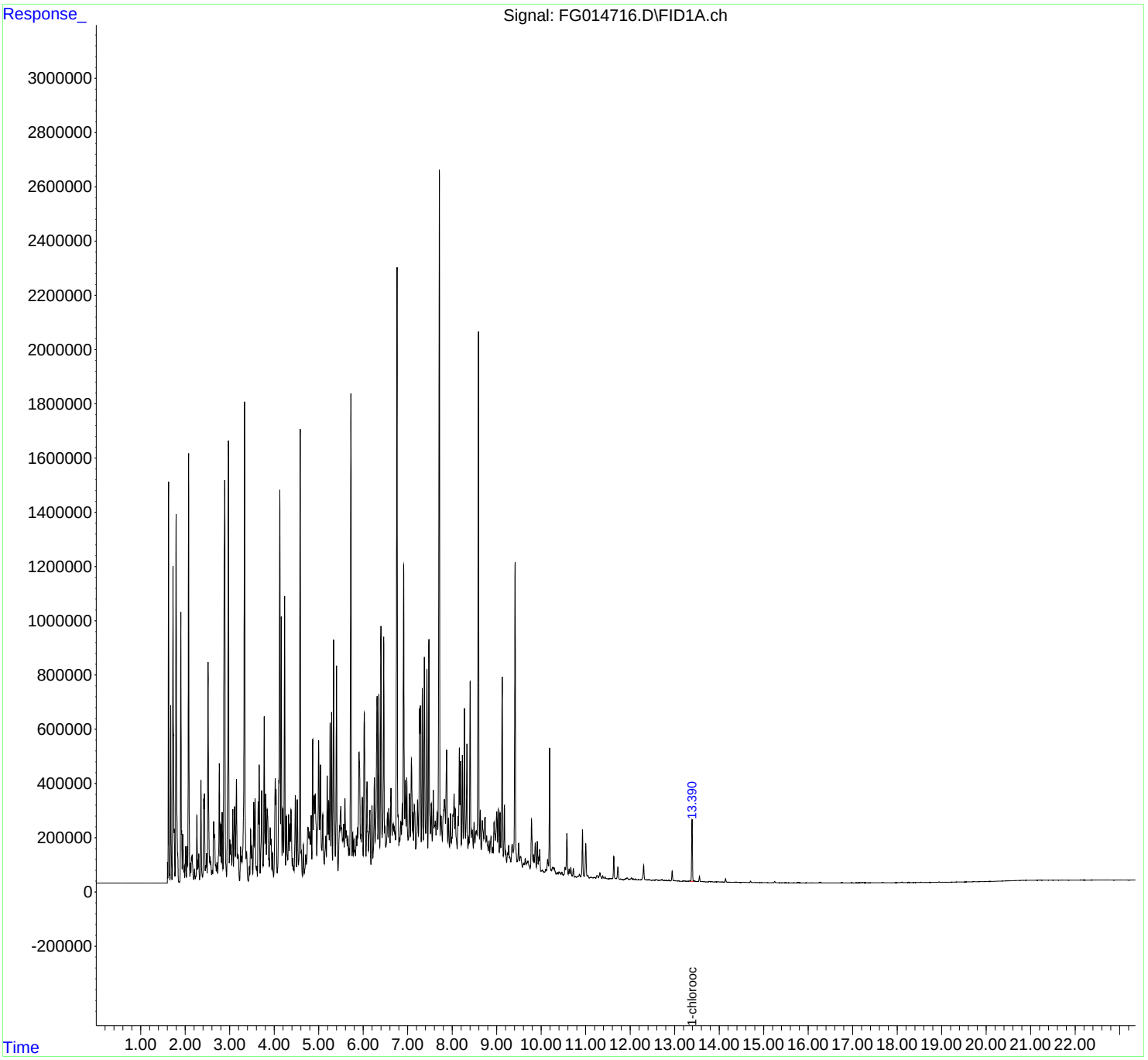
(f)=RT Delta > 1/2 Window (m)=manual int.

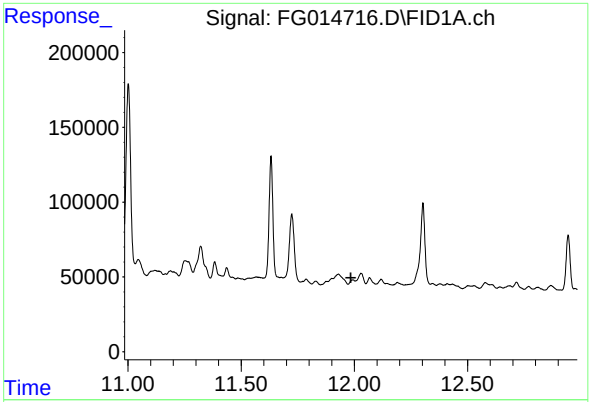
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014716.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:59
Operator : YP\AJ
Sample : P4721-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7

Integration File: autoint1.e
Quant Time: Nov 09 03:41:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

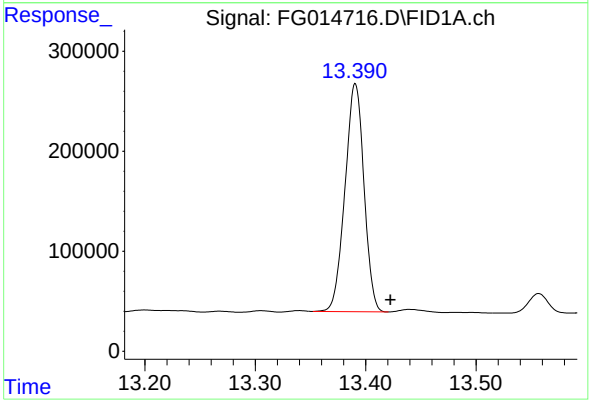




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.032 min
Response: 2726684
Conc: 22.21 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014716.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:59
Sample : P4721-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	2.639	2.602	2.698	BV	189757	4413006	12.70%	0.398%
2	2.714	2.698	2.732	VV	43872	494330	1.42%	0.045%
3	2.767	2.732	2.783	VV	409153	4962799	14.28%	0.448%
4	2.798	2.783	2.815	VV	188500	2458829	7.08%	0.222%
5	2.830	2.815	2.849	VV	233262	2649770	7.63%	0.239%
6	2.887	2.849	2.928	VV	1482816	24703621	71.09%	2.230%
7	2.971	2.928	2.992	VV	1620667	19504307	56.13%	1.760%
8	3.003	2.992	3.046	VV	141097	3213542	9.25%	0.290%
9	3.069	3.046	3.085	VV	255650	3232690	9.30%	0.292%
10	3.110	3.085	3.128	VV	268350	4451337	12.81%	0.402%
11	3.152	3.128	3.221	VV	371119	7115237	20.48%	0.642%
12	3.245	3.221	3.258	PV	124620	1483175	4.27%	0.134%
13	3.268	3.258	3.278	VV	91853	981419	2.82%	0.089%
14	3.333	3.278	3.365	VV	1749731	24353947	70.08%	2.198%
15	3.379	3.365	3.418	VV	108567	1705990	4.91%	0.154%
16	3.442	3.418	3.452	PV	55528	555120	1.60%	0.050%
17	3.471	3.452	3.486	VV	189061	2370150	6.82%	0.214%
18	3.498	3.486	3.518	VV	129644	1585474	4.56%	0.143%
19	3.539	3.518	3.553	VV	291426	3441494	9.90%	0.311%
20	3.570	3.553	3.599	VV	304497	4244539	12.21%	0.383%
21	3.608	3.599	3.621	VV	56890	580147	1.67%	0.052%
22	3.663	3.621	3.684	VV	428901	7926177	22.81%	0.715%
23	3.719	3.684	3.755	VV	335114	6270320	18.04%	0.566%
24	3.776	3.755	3.794	VV	607066	7174910	20.65%	0.648%
25	3.809	3.794	3.824	VV	322698	3891407	11.20%	0.351%
26	3.844	3.824	3.891	VV	264057	6414258	18.46%	0.579%
27	3.911	3.891	3.923	VV	195044	2637729	7.59%	0.238%
28	3.930	3.923	3.948	VV	154973	1700865	4.89%	0.154%
29	3.961	3.948	3.986	VV	104572	1327594	3.82%	0.120%
30	4.023	3.986	4.068	VV	378159	9225081	26.55%	0.833%
31	4.126	4.068	4.142	VV	1435259	20843420	59.98%	1.881%
32	4.158	4.142	4.177	VV	980141	10709550	30.82%	0.967%
33	4.192	4.177	4.211	VV	267285	3594313	10.34%	0.324%
34	4.234	4.211	4.255	VV	1055532	11937917	34.35%	1.077%
35	4.275	4.255	4.305	VV	241199	3983236	11.46%	0.360%
36	4.324	4.305	4.338	VV	245958	3159314	9.09%	0.285%

37	4.352	4.338	4.362	VV	212515	2503255	7.20%	0.226%
38	4.378	4.362	4.405	VV	264731	4583782	13.19%	0.414%
39	4.416	4.405	4.446	VV	86439	1453242	4.18%	0.131%
40	4.476	4.446	4.499	VV	317349	4966921	14.29%	0.448%
41	4.519	4.499	4.546	VV	301777	4419415	12.72%	0.399%
42	4.585	4.546	4.633	VV	1681622	20763466	59.75%	1.874%
43	4.654	4.633	4.676	VV	136074	1848155	5.32%	0.167%
44	4.708	4.676	4.723	VV	98040	1802312	5.19%	0.163%
45	4.760	4.723	4.780	VV	199078	5102736	14.68%	0.461%
46	4.792	4.780	4.814	VV	182176	3328717	9.58%	0.300%
47	4.831	4.814	4.846	VV	243826	3390714	9.76%	0.306%
48	4.865	4.846	4.879	VV	524006	6047829	17.40%	0.546%
49	4.899	4.879	4.912	VV	315089	5427797	15.62%	0.490%
50	4.924	4.912	4.957	VV	323499	6342480	18.25%	0.572%
51	4.999	4.957	5.021	VV	520561	10315290	29.68%	0.931%
52	5.042	5.021	5.071	VV	430804	7365491	21.20%	0.665%
53	5.092	5.071	5.125	VV	247175	4572901	13.16%	0.413%
54	5.157	5.125	5.172	VV	168344	3328419	9.58%	0.300%
55	5.192	5.172	5.210	VV	388857	5434987	15.64%	0.491%
56	5.224	5.210	5.237	VV	298749	3686972	10.61%	0.333%
57	5.257	5.237	5.274	VV	581436	7351387	21.15%	0.664%
58	5.291	5.274	5.311	VV	624106	7235929	20.82%	0.653%
59	5.335	5.311	5.374	VV	891808	13756642	39.59%	1.242%
60	5.401	5.374	5.435	VV	797861	10739780	30.91%	0.969%
61	5.497	5.435	5.544	VV	275378	11868576	34.15%	1.071%
62	5.561	5.544	5.574	VV	213368	3140693	9.04%	0.283%
63	5.590	5.574	5.608	VV	307330	4589294	13.21%	0.414%
64	5.619	5.608	5.644	VV	188060	3543738	10.20%	0.320%
65	5.658	5.644	5.673	VV	170953	2404179	6.92%	0.217%
66	5.684	5.673	5.695	VV	121023	1426454	4.10%	0.129%
67	5.724	5.695	5.751	VV	1816081	22785550	65.57%	2.057%
68	5.765	5.751	5.780	VV	180438	2345234	6.75%	0.212%
69	5.794	5.780	5.827	VV	158076	3385741	9.74%	0.306%
70	5.845	5.827	5.857	VV	168022	2473178	7.12%	0.223%
71	5.870	5.857	5.880	VV	196666	2416866	6.95%	0.218%
72	5.908	5.880	5.955	VV	472566	12954271	37.28%	1.169%
73	5.981	5.955	5.999	VV	312175	5438646	15.65%	0.491%
74	6.025	5.999	6.063	VV	623260	12166015	35.01%	1.098%
75	6.086	6.063	6.119	VV	369021	7115684	20.48%	0.642%
76	6.150	6.119	6.174	VV	262572	5402993	15.55%	0.488%
77	6.198	6.174	6.218	VV	281304	4207805	12.11%	0.380%
78	6.251	6.218	6.270	VV	383852	6429966	18.50%	0.580%
79	6.312	6.270	6.332	VV	685626	13936033	40.10%	1.258%
80	6.352	6.332	6.373	VV	687707	9039505	26.01%	0.816%
81	6.399	6.373	6.426	VV	942662	13544096	38.97%	1.222%
82	6.461	6.426	6.508	VV	905528	16232905	46.71%	1.465%
83	6.546	6.508	6.562	VV	252940	5911193	17.01%	0.534%
84	6.577	6.562	6.604	VV	271474	5483715	15.78%	0.495%
85	6.624	6.604	6.651	VV	343237	6787409	19.53%	0.613%
86	6.674	6.651	6.687	VV	214457	4258257	12.25%	0.384%
87	6.698	6.687	6.727	VV	204011	4438617	12.77%	0.401%
88	6.760	6.727	6.804	VV	2249994	32313487	92.99%	2.916%
89	6.844	6.804	6.859	VV	221392	5878947	16.92%	0.531%

90	6.877	6.859	6.887	VV	286586	3976901	11.44%	0.359%
91	6.909	6.887	6.931	VV	1168049	15804934	45.48%	1.426%
92	6.944	6.931	6.964	VV	373789	5796533	16.68%	0.523%
93	6.980	6.964	7.009	VV	382121	6521538	18.77%	0.589%
94	7.039	7.009	7.059	VV	325632	6942500	19.98%	0.627%
95	7.084	7.059	7.108	VV	450024	9020066	25.96%	0.814%
96	7.118	7.108	7.131	VV	256477	2965889	8.53%	0.268%
97	7.148	7.131	7.181	VV	282667	6447074	18.55%	0.582%
98	7.223	7.181	7.242	VV	303200	7130451	20.52%	0.644%
99	7.284	7.242	7.305	VV	652391	15964234	45.94%	1.441%
100	7.328	7.305	7.350	VV	716015	10116665	29.11%	0.913%
101	7.375	7.350	7.405	VV	830145	13195425	37.97%	1.191%
102	7.432	7.405	7.452	VV	784765	10786005	31.04%	0.974%
103	7.477	7.452	7.512	VV	886219	14188893	40.83%	1.281%
104	7.531	7.512	7.551	VV	287796	5071940	14.60%	0.458%
105	7.575	7.551	7.593	VV	337822	6038207	17.38%	0.545%
106	7.619	7.593	7.636	VV	225217	5250122	15.11%	0.474%
107	7.662	7.636	7.675	VV	255819	5162425	14.86%	0.466%
108	7.711	7.675	7.732	VV	2647730	34750783	100.00%	3.136%
109	7.751	7.732	7.778	VV	242634	5579086	16.05%	0.504%
110	7.824	7.778	7.849	VV	304622	10676119	30.72%	0.964%
111	7.875	7.849	7.900	VV	488512	9842584	28.32%	0.888%
112	7.916	7.900	7.940	VV	235491	4246631	12.22%	0.383%
113	7.962	7.940	7.982	VV	252774	4678215	13.46%	0.422%
114	8.043	7.982	8.057	VV	323887	10150031	29.21%	0.916%
115	8.069	8.057	8.111	VV	269912	6183173	17.79%	0.558%
116	8.132	8.111	8.141	VV	240769	3454869	9.94%	0.312%
117	8.161	8.141	8.175	VV	494635	7205440	20.73%	0.650%
118	8.186	8.175	8.206	VV	443254	5632530	16.21%	0.508%
119	8.229	8.206	8.250	VV	467766	7384653	21.25%	0.667%
120	8.276	8.250	8.300	VV	639726	10246152	29.48%	0.925%
121	8.332	8.300	8.354	VV	509646	9180214	26.42%	0.829%
122	8.369	8.354	8.379	VV	163794	2252179	6.48%	0.203%
123	8.404	8.379	8.427	VV	744270	10460694	30.10%	0.944%
124	8.449	8.427	8.474	VV	190982	4762725	13.71%	0.430%
125	8.492	8.474	8.512	VV	219673	3901525	11.23%	0.352%
126	8.541	8.512	8.556	VV	187445	4602030	13.24%	0.415%
127	8.591	8.556	8.614	VV	2055527	26605816	76.56%	2.401%
128	8.631	8.614	8.653	VV	266353	4457765	12.83%	0.402%
129	8.679	8.653	8.711	VV	225793	6110820	17.58%	0.552%
130	8.741	8.711	8.763	VV	241091	6369219	18.33%	0.575%
131	8.775	8.763	8.811	VV	171383	4144822	11.93%	0.374%
132	8.829	8.811	8.845	VV	150559	2661305	7.66%	0.240%
133	8.874	8.845	8.898	VV	168467	4413774	12.70%	0.398%
134	8.910	8.898	8.921	VV	126115	1642191	4.73%	0.148%
135	8.941	8.921	8.969	VV	220205	4908887	14.13%	0.443%
136	9.001	8.969	9.018	VV	259567	6004234	17.28%	0.542%
137	9.036	9.018	9.058	VV	269174	4664652	13.42%	0.421%
138	9.076	9.058	9.093	VV	255977	3862710	11.12%	0.349%
139	9.125	9.093	9.150	VV	760043	11622556	33.45%	1.049%
140	9.174	9.150	9.192	VV	283053	4416875	12.71%	0.399%
141	9.201	9.192	9.224	VV	115330	1837087	5.29%	0.166%

142	9.245	9.224	9.254	VV	107916	1728559	4.97%	0.156%
143	9.269	9.254	9.318	VV	135665	3832498	11.03%	0.346%
144	9.348	9.318	9.369	VV	139446	3471232	9.99%	0.313%
145	9.414	9.369	9.459	VV	1168365	17474691	50.29%	1.577%
146	9.493	9.459	9.515	VV	142701	3432536	9.88%	0.310%
147	9.535	9.515	9.579	VV	94149	3035282	8.73%	0.274%
148	9.608	9.579	9.621	VV	69137	1631781	4.70%	0.147%
149	9.642	9.621	9.661	VV	86969	1774751	5.11%	0.160%
150	9.692	9.661	9.750	VV	76430	3600963	10.36%	0.325%
151	9.783	9.750	9.816	VV	231738	4976314	14.32%	0.449%
152	9.827	9.816	9.842	VV	101213	1395425	4.02%	0.126%
153	9.868	9.842	9.891	VV	146452	2908533	8.37%	0.263%
154	9.914	9.891	9.933	VV	150840	2484801	7.15%	0.224%
155	9.967	9.933	9.994	VV	119697	2886385	8.31%	0.261%
156	10.027	9.994	10.077	VV	45148	2011348	5.79%	0.182%
157	10.102	10.077	10.117	VV	47713	1024775	2.95%	0.092%
158	10.144	10.117	10.164	VV	84604	1811795	5.21%	0.164%
159	10.190	10.164	10.234	VV	491100	6800643	19.57%	0.614%
160	10.256	10.234	10.281	VV	54932	1440344	4.14%	0.130%
161	10.292	10.281	10.341	VV	53014	1466099	4.22%	0.132%
162	10.361	10.341	10.380	VV	36613	778591	2.24%	0.070%
163	10.401	10.380	10.444	VV	38250	1293224	3.72%	0.117%
164	10.464	10.444	10.496	VV	37432	974335	2.80%	0.088%
165	10.536	10.496	10.549	VV	54993	1239986	3.57%	0.112%
166	10.578	10.549	10.606	VV	178825	3144871	9.05%	0.284%
167	10.627	10.606	10.646	VV	48659	920331	2.65%	0.083%
168	10.666	10.646	10.697	VV	54222	1116262	3.21%	0.101%
169	10.722	10.697	10.750	VV	50397	1013021	2.92%	0.091%
170	10.769	10.750	10.793	VV	21300	509765	1.47%	0.046%
171	10.825	10.793	10.836	VV	22746	533973	1.54%	0.048%
172	10.859	10.836	10.887	VV	29598	743282	2.14%	0.067%
173	10.928	10.887	10.965	VV	193003	2996852	8.62%	0.270%
174	11.002	10.965	11.032	VV	143102	2572668	7.40%	0.232%
175	11.045	11.032	11.082	VV	25738	629434	1.81%	0.057%
176	11.119	11.082	11.157	VV	18560	780480	2.25%	0.070%
177	11.188	11.157	11.225	VV	18366	683032	1.97%	0.062%
178	11.253	11.225	11.287	VV	24984	803368	2.31%	0.073%
179	11.321	11.287	11.365	VV	34691	1080787	3.11%	0.098%
180	11.383	11.365	11.417	VV	24396	557646	1.60%	0.050%
181	11.436	11.417	11.475	VV	20548	549273	1.58%	0.050%
182	11.486	11.475	11.515	VV	13591	308657	0.89%	0.028%
183	11.566	11.515	11.597	VV	14372	672324	1.93%	0.061%
184	11.632	11.597	11.689	VV	95141	1695580	4.88%	0.153%
185	11.724	11.689	11.763	VV	56198	1191900	3.43%	0.108%
186	11.787	11.763	11.812	VV	12995	337511	0.97%	0.030%
187	11.829	11.812	11.851	VV	11620	246590	0.71%	0.022%
188	11.929	11.851	11.972	VV	16399	924115	2.66%	0.083%
189	11.992	11.972	12.004	VV	12502	223679	0.64%	0.020%
190	12.030	12.004	12.051	VV	17019	387610	1.12%	0.035%
191	12.067	12.051	12.095	VV	13970	309304	0.89%	0.028%
192	12.118	12.095	12.168	VV	13049	464946	1.34%	0.042%
193	12.190	12.168	12.219	VV	10962	304679	0.88%	0.027%
194	12.303	12.219	12.336	VV	63977	1464178	4.21%	0.132%

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195	12.345	12.336	12.362	VV	10341	153328	0.44%	0.014%
196	12.378	12.362	12.394	VV	10130	183295	0.53%	0.017%
197	12.410	12.394	12.425	VV	10245	185028	0.53%	0.017%
198	12.433	12.425	12.478	VV	9950	271556	0.78%	0.025%
199	12.503	12.478	12.516	VV	8899	186321	0.54%	0.017%
200	12.528	12.516	12.552	VV	8987	181065	0.52%	0.016%
201	12.579	12.552	12.632	VV	11013	438307	1.26%	0.040%
202	12.643	12.632	12.657	VV	8186	116396	0.33%	0.011%
203	12.685	12.657	12.697	VV	8929	203788	0.59%	0.018%
204	12.716	12.697	12.750	VV	11351	278311	0.80%	0.025%
205	12.770	12.750	12.792	VV	8604	188444	0.54%	0.017%
206	12.809	12.792	12.840	VV	7961	206249	0.59%	0.019%
207	12.868	12.840	12.914	VV	9218	326777	0.94%	0.029%
208	12.944	12.914	12.989	VV	43036	734276	2.11%	0.066%
209	13.005	12.989	13.055	VV	7195	247674	0.71%	0.022%
210	13.062	13.055	13.074	VV	5904	63538	0.18%	0.006%
211	13.091	13.074	13.152	VV	6615	238803	0.69%	0.022%
212	13.164	13.152	13.177	VV	4679	68759	0.20%	0.006%
213	13.200	13.177	13.253	VV	6390	249374	0.72%	0.023%
214	13.268	13.253	13.286	VV	5251	93551	0.27%	0.008%
215	13.305	13.286	13.322	VV	5708	107320	0.31%	0.010%
216	13.340	13.322	13.352	VV	5829	92227	0.27%	0.008%
217	13.391	13.352	13.422	VV	232588	2924239	8.41%	0.264%
218	13.440	13.422	13.473	VV	7088	169490	0.49%	0.015%
219	13.482	13.473	13.525	VV	4019	118363	0.34%	0.011%
220	13.557	13.525	13.587	VV	23011	363478	1.05%	0.033%
221	13.602	13.587	13.707	VV	4272	247745	0.71%	0.022%
222	13.722	13.707	13.746	VV	2994	62377	0.18%	0.006%
223	13.785	13.746	13.812	VV	4774	139361	0.40%	0.013%
224	13.832	13.812	13.888	VV	3767	138139	0.40%	0.012%
225	13.904	13.888	13.921	VV	2855	51202	0.15%	0.005%
226	13.938	13.921	13.959	VV	3099	61716	0.18%	0.006%
227	13.984	13.959	14.035	VV	3378	121680	0.35%	0.011%
228	14.056	14.035	14.074	VV	2792	56311	0.16%	0.005%
229	14.088	14.074	14.113	VV	2516	48481	0.14%	0.004%
230	14.144	14.113	14.177	VV	14899	222338	0.64%	0.020%
231	14.201	14.177	14.216	VV	2027	40880	0.12%	0.004%
232	14.229	14.216	14.272	VV	1868	50150	0.14%	0.005%
233	14.287	14.272	14.338	VV	1307	46483	0.13%	0.004%
234	14.377	14.338	14.425	VV	2402	87425	0.25%	0.008%
235	14.440	14.425	14.460	VV	1421	25890	0.07%	0.002%
236	14.474	14.460	14.488	VV	1162	17850	0.05%	0.002%
237	14.507	14.488	14.520	VV	1357	22563	0.06%	0.002%
238	14.534	14.520	14.546	VV	1412	19996	0.06%	0.002%
239	14.576	14.546	14.602	VV	1536	43643	0.13%	0.004%
240	14.612	14.602	14.636	VV	936	17337	0.05%	0.002%
241	14.645	14.636	14.678	VV	772	18197	0.05%	0.002%
242	14.706	14.678	14.754	VV	6247	96649	0.28%	0.009%
243	14.776	14.754	14.811	VV	1042	27293	0.08%	0.002%
244	14.835	14.811	14.887	VV	1117	34773	0.10%	0.003%
245	14.910	14.887	14.940	VV	839	20236	0.06%	0.002%
246	14.958	14.940	14.976	VV	746	13575	0.04%	0.001%

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247	14.987	14.976	15.005	VV	643	10423	0.03%	0.001%
248	15.024	15.005	15.040	VV	624	11305	0.03%	0.001%
249	15.058	15.040	15.080	VV	692	12881	0.04%	0.001%
250	15.103	15.080	15.122	VV	560	11032	0.03%	0.001%
251	15.131	15.122	15.178	VV	378	9795	0.03%	0.001%
252	15.203	15.178	15.220	VV	911	14325	0.04%	0.001%
253	15.247	15.220	15.278	VV	5427	74222	0.21%	0.007%
254	15.289	15.278	15.362	VV	373	11135	0.03%	0.001%
255	15.385	15.362	15.415	VV	204	3001	0.01%	0.000%
256	15.442	15.415	15.473	PV	238	5207	0.01%	0.000%
257	15.498	15.473	15.542	VV	228	5084	0.01%	0.000%
258	15.559	15.542	15.567	PV	130	1074	0.00%	0.000%
259	15.585	15.567	15.606	VV	194	2610	0.01%	0.000%
260	15.632	15.606	15.652	VV	144	2023	0.01%	0.000%
261	15.679	15.652	15.719	VV	206	4241	0.01%	0.000%
262	15.730	15.719	15.742	VV	127	1058	0.00%	0.000%
263	15.769	15.742	15.844	VV	2217	34788	0.10%	0.003%
264	15.858	15.844	15.895	VV	82	1954	0.01%	0.000%
265	15.913	15.895	15.932	VV	117	1593	0.00%	0.000%
266	15.950	15.932	16.025	VV	242	6479	0.02%	0.001%
267	16.090	16.025	16.192	VV	385	18944	0.05%	0.002%
268	16.198	16.192	16.205	VV	61	481	0.00%	0.000%
269	16.230	16.205	16.246	VV	724	9050	0.03%	0.001%
270	16.270	16.246	16.352	VV	3007	47061	0.14%	0.004%
271	16.365	16.352	16.399	VV	91	973	0.00%	0.000%
272	16.411	16.399	16.425	PV	100	847	0.00%	0.000%
273	16.453	16.425	16.506	VV	202	6527	0.02%	0.001%
274	16.514	16.506	16.539	VV	110	802	0.00%	0.000%
275	16.582	16.539	16.616	PV	224	5441	0.02%	0.000%
276	16.626	16.616	16.656	VV	121	2063	0.01%	0.000%
277	16.665	16.656	16.689	VV	91	1129	0.00%	0.000%
278	16.754	16.689	16.779	VV	1366	20929	0.06%	0.002%
279	16.796	16.779	16.818	VV	157	2018	0.01%	0.000%
280	16.832	16.818	16.843	VV	96	868	0.00%	0.000%
281	16.852	16.843	16.871	VV	100	908	0.00%	0.000%
282	16.884	16.871	16.892	PV	77	709	0.00%	0.000%
283	16.921	16.892	16.935	VV	163	2732	0.01%	0.000%
284	16.969	16.935	17.013	VV	185	6187	0.02%	0.001%
285	17.026	17.013	17.040	VV	130	1533	0.00%	0.000%
286	17.057	17.040	17.071	VV	208	2453	0.01%	0.000%
287	17.118	17.071	17.162	VV	214	7999	0.02%	0.001%
288	17.187	17.162	17.199	VV	566	8122	0.02%	0.001%
289	17.221	17.199	17.300	VV	2310	36698	0.11%	0.003%
290	17.322	17.300	17.344	VV	115	2420	0.01%	0.000%
291	17.374	17.344	17.387	VV	111	2000	0.01%	0.000%
292	17.459	17.387	17.524	PV	185	6977	0.02%	0.001%
293	17.553	17.524	17.565	VV	112	1730	0.00%	0.000%
294	17.568	17.565	17.576	VV	88	275	0.00%	0.000%
295	17.603	17.576	17.628	PV	117	2008	0.01%	0.000%
296	17.672	17.628	17.704	VV	1402	20999	0.06%	0.002%
297	17.793	17.704	17.821	VV	189	6467	0.02%	0.001%
298	17.879	17.821	17.895	VV	106	3410	0.01%	0.000%
299	17.919	17.895	17.928	PV	138	1536	0.00%	0.000%

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300	17.957	17.928	17.980	VV	183	3764	0.01%	0.000%
301	18.010	17.980	18.025	VV	127	2779	0.01%	0.000%
302	18.109	18.025	18.151	VV	2100	40898	0.12%	0.004%
303	18.162	18.151	18.204	VV	152	2377	0.01%	0.000%
304	18.262	18.204	18.309	VV	412	11169	0.03%	0.001%
305	18.393	18.309	18.418	PV	203	4658	0.01%	0.000%
306	18.488	18.418	18.502	VV	148	3568	0.01%	0.000%
307	18.532	18.502	18.560	VV	1437	20325	0.06%	0.002%
308	18.584	18.560	18.591	PV	79	482	0.00%	0.000%
309	18.625	18.591	18.651	VV	385	6331	0.02%	0.001%
310	18.668	18.651	18.679	VV	111	1907	0.01%	0.000%
311	18.792	18.679	18.809	VV	235	8121	0.02%	0.001%
312	18.814	18.809	18.849	VV	190	2955	0.01%	0.000%
313	18.942	18.849	19.019	PV	1667	35503	0.10%	0.003%
314	19.101	19.019	19.123	PV	189	5987	0.02%	0.001%
315	19.213	19.123	19.221	VV	59	470	0.00%	0.000%
316	19.340	19.221	19.365	VV	941	12379	0.04%	0.001%
317	19.378	19.365	19.399	VV	132	2026	0.01%	0.000%
318	19.517	19.399	19.536	PV	168	5688	0.02%	0.001%
319	19.590	19.536	19.605	VV	106	2635	0.01%	0.000%
320	19.727	19.605	19.772	VV	1176	25566	0.07%	0.002%
321	19.788	19.772	19.805	VV	93	1418	0.00%	0.000%
322	20.029	19.805	20.055	PV	136	6296	0.02%	0.001%
323	20.105	20.055	20.135	PV	518	9099	0.03%	0.001%
324	20.158	20.135	20.175	VV	114	1772	0.01%	0.000%
325	20.376	20.175	20.387	PV	122	5877	0.02%	0.001%
326	20.468	20.387	20.491	PV	795	11503	0.03%	0.001%
327	20.528	20.491	20.538	VV	143	2134	0.01%	0.000%
328	20.825	20.809	20.872	BV	259	4207	0.01%	0.000%
329	21.015	20.872	21.038	PV	468	27690	0.08%	0.002%
330	21.050	21.038	21.062	VV	390	5407	0.02%	0.000%
331	21.117	21.062	21.129	VV	437	15404	0.04%	0.001%
332	21.214	21.129	21.255	VV	1003	44113	0.13%	0.004%
333	21.300	21.255	21.320	VV	490	17035	0.05%	0.002%
334	21.328	21.320	21.335	VV	417	3843	0.01%	0.000%
335	21.343	21.335	21.423	VV	450	20179	0.06%	0.002%
336	21.434	21.423	21.445	VV	318	4307	0.01%	0.000%
337	21.469	21.445	21.489	VV	331	7610	0.02%	0.001%
338	21.565	21.489	21.626	VV	394	25255	0.07%	0.002%
339	21.662	21.626	21.705	VV	318	10854	0.03%	0.001%
340	21.759	21.705	21.798	VV	165	7278	0.02%	0.001%
341	21.809	21.798	21.817	VV	81	825	0.00%	0.000%
342	21.827	21.817	21.856	VV	83	1306	0.00%	0.000%
343	21.866	21.856	21.878	PV	72	687	0.00%	0.000%
344	21.910	21.878	21.919	VV	127	1603	0.00%	0.000%
345	21.953	21.919	22.002	VV	126	4426	0.01%	0.000%
346	22.019	22.002	22.029	VV	103	1264	0.00%	0.000%
347	22.149	22.029	22.209	VV	406	16575	0.05%	0.001%
348	22.213	22.209	22.219	VV	109	593	0.00%	0.000%
349	22.228	22.219	22.242	VV	100	1008	0.00%	0.000%
350	22.245	22.242	22.252	VBA	68	1168	0.00%	0.000%

Sum of corrected areas: 1107956935

Aliphatic EPH 102124.M Sat Nov 09 05:19:05 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-7DL		SDG No.:	P4721	
Lab Sample ID:	P4721-14DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.8	
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
FF014994.D	2	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	419	E	0.69	1.53	mg/kg
Aromatic C12-C16	Aromatic C12-C16	201	E	0.78	2.30	mg/kg
Aromatic C16-C21	Aromatic C16-C21	49.6		2.21	3.84	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.60	U	4.60	6.14	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	31.2		40 - 140	125%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	32.9		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	14.6		40 - 140	59%	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:	P4721-14DL	Acq On:	11 Nov 2024 11:47
Client Sample ID:	EX-9-TPH-7DL	Operator:	YP\AJ
Data file:	FF014994.D	Misc:	
Instrument:	FID_F	ALS Vial:	64
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.510	6.375	422253758	2730	200	ug/ml
Aromatic C12-C16	6.376	9.068	201831343	1310	300	ug/ml
Aromatic C16-C21	9.069	13.383	45906140	323.064	500	ug/ml
Aromatic C21-C36	13.384	18.828	1620663	11.74	800	ug/ml
Aromatic EPH	4.510	18.828	671611904	4380		ug/ml
2-Flurobiphenyl (SURR)	8.872	8.872	2934204	32.9		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	2155152	14.63		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	4151663	31.2		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014994.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:47
Operator : YP\AJ
Sample : P4721-14DL 2X
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:48:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.996	4151663	31.196 ug/mlm
Spiked Amount 50.000		Recovery =	62.39%
6) S 2-Flurobiphenyl (SURR)	8.872	2934204	32.899 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	65.80%
11) S ortho-Terphenyl (SURR)	11.930	2155152	14.632 ug/ml
Spiked Amount 50.000		Recovery =	29.26%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014994.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:47
Operator : YP\AJ
Sample : P4721-14DL 2X
Misc :
ALS Vial : 64 Sample Multiplier: 1

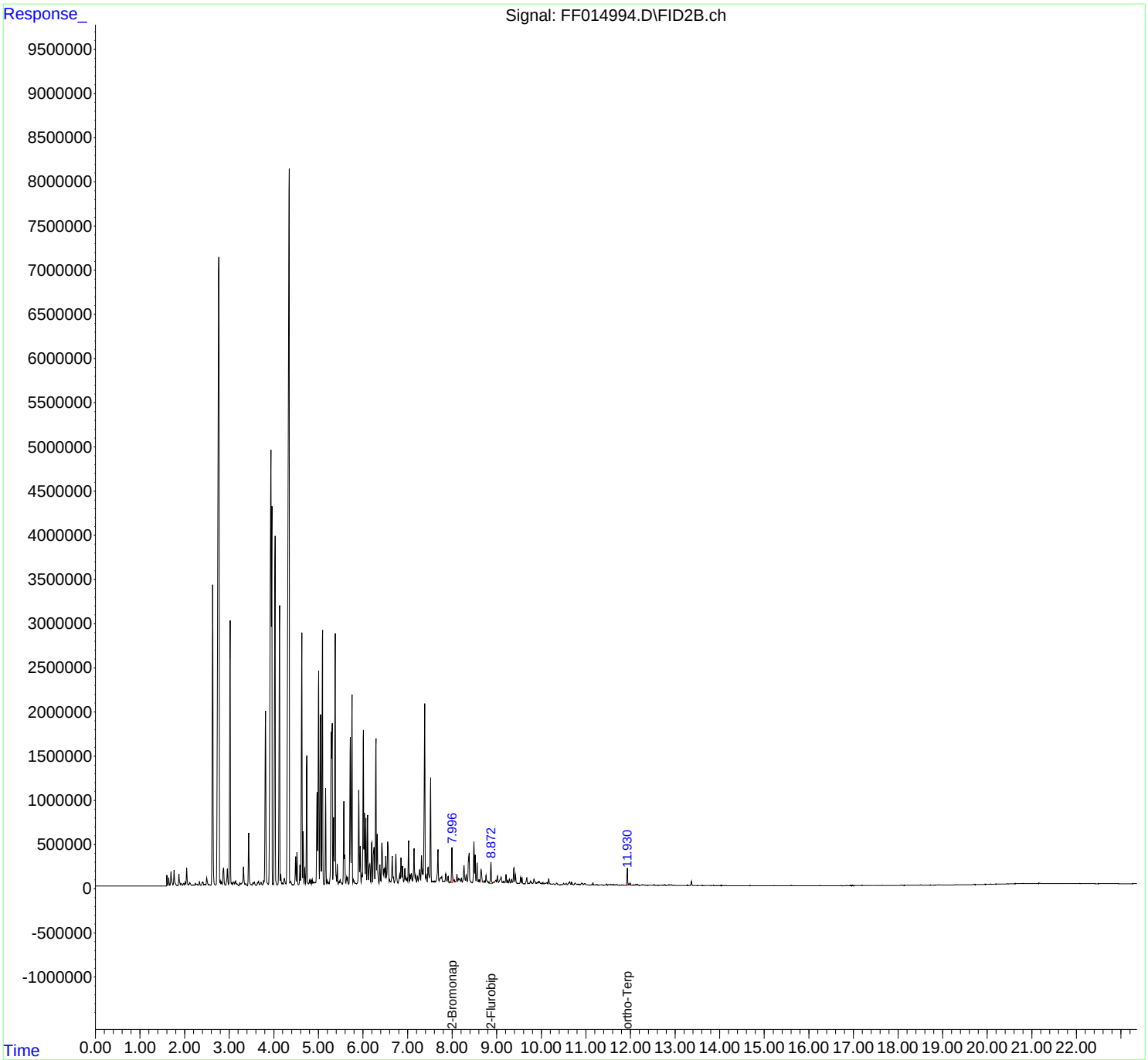
Integration File: autoint1.e
Quant Time: Nov 11 20:48:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

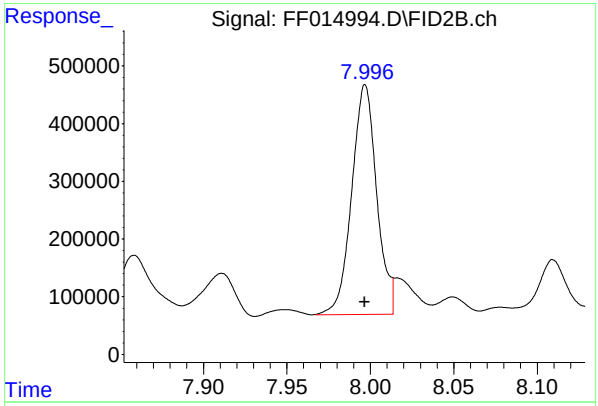
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024





#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 4151663
Conc: 31.20 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL

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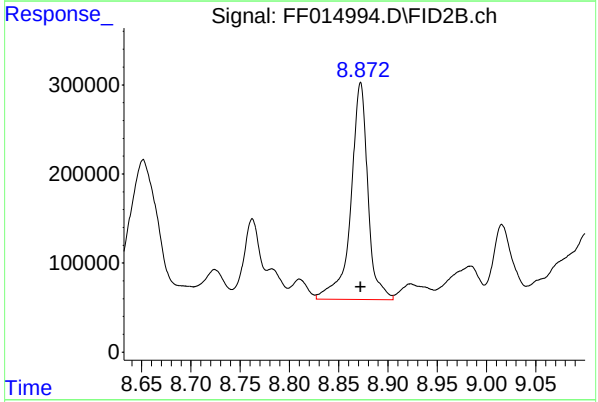
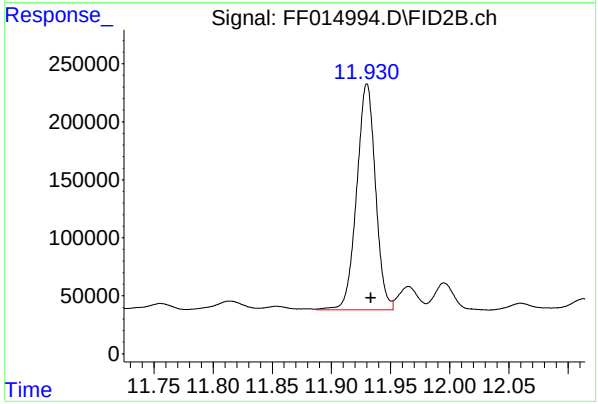


#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 2934204
Conc: 32.90 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.003 min
Response: 2155152
Conc: 14.63 ug/ml

Instrument :
FID_F
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rteres

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11112
Data File : FF014994.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 11:47
Sample : P4721-14DL 2X
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.441	4.432	4.451	PV	3633	20753	0.06%	0.003%
2	4.491	4.451	4.506	PV	322053	3532459	10.88%	0.518%
3	4.521	4.506	4.550	VV	372500	3763976	11.59%	0.552%
4	4.587	4.550	4.599	VV	226663	2135341	6.58%	0.313%
5	4.630	4.599	4.644	VV	2861758	32145741	98.98%	4.715%
6	4.659	4.644	4.678	VV	608194	5959010	18.35%	0.874%
7	4.694	4.678	4.714	VV	191110	2045975	6.30%	0.300%
8	4.739	4.714	4.781	VV	1463227	14185842	43.68%	2.081%
9	4.803	4.781	4.817	VV	57145	708171	2.18%	0.104%
10	4.833	4.817	4.848	VV	69067	772604	2.38%	0.113%
11	4.863	4.848	4.877	VV	57902	626503	1.93%	0.092%
12	4.892	4.877	4.912	VV	38277	640363	1.97%	0.094%
13	4.929	4.912	4.944	VV	29095	507913	1.56%	0.075%
14	4.971	4.944	4.984	VV	1051705	12615101	38.84%	1.850%
15	5.007	4.984	5.024	VV	2430338	28442477	87.58%	4.172%
16	5.050	5.024	5.068	VV	1928047	25335287	78.01%	3.716%
17	5.093	5.068	5.131	VV	2875393	30950346	95.30%	4.540%
18	5.164	5.131	5.184	VV	1096914	10254899	31.58%	1.504%
19	5.197	5.184	5.211	VV	57232	640740	1.97%	0.094%
20	5.223	5.211	5.241	VV	34531	430629	1.33%	0.063%
21	5.290	5.241	5.300	VV	1736732	23785394	73.24%	3.489%
22	5.309	5.300	5.325	VV	1824181	16269515	50.10%	2.386%
23	5.343	5.325	5.354	VV	766806	7475045	23.02%	1.096%
24	5.379	5.354	5.411	VV	2846770	32475777	100.00%	4.764%
25	5.425	5.411	5.443	VV	241484	2179609	6.71%	0.320%
26	5.459	5.443	5.471	VV	36626	457004	1.41%	0.067%
27	5.488	5.471	5.507	VV	59213	876432	2.70%	0.129%
28	5.516	5.507	5.542	VV	29710	440582	1.36%	0.065%
29	5.572	5.542	5.587	VV	948233	10389728	31.99%	1.524%
30	5.592	5.587	5.615	VV	342280	2994342	9.22%	0.439%
31	5.635	5.615	5.645	VV	94487	1097078	3.38%	0.161%
32	5.655	5.645	5.679	VV	89126	1027985	3.17%	0.151%
33	5.716	5.679	5.733	VV	1679245	19624599	60.43%	2.879%
34	5.755	5.733	5.774	VV	2154531	22638562	69.71%	3.321%
35	5.786	5.774	5.797	VV	65726	694450	2.14%	0.102%
36	5.802	5.797	5.816	VV	45310	414127	1.28%	0.061%

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rteres

37	5.823	5.816	5.835	VV	24876	242474	0.75%	0.036%
38	5.844	5.835	5.857	VV	21831	248924	0	
39	5.908	5.857	5.926	VV	1077169	12074902	37	
40	5.941	5.926	5.959	VV	441673	4766778	14	
41	5.977	5.959	5.986	VV	125176	1424426	4	
42	6.010	5.986	6.023	VV	1757440	19518609	60	
43	6.034	6.023	6.050	VV	815424	8048610	24.78%	1.181%
44	6.067	6.050	6.084	VV	760761	7941409	24.45%	1.165%
45	6.104	6.084	6.122	VV	793303	8078406	24.88%	1.185%
46	6.155	6.122	6.175	VV	242177	5137008	15.82%	0.753%
47	6.197	6.175	6.218	VV	486160	6347924	19.55%	0.931%
48	6.250	6.218	6.267	VV	430906	7968394	24.54%	1.169%
49	6.292	6.267	6.306	VV	1664842	18088039	55.70%	2.653%
50	6.322	6.306	6.360	VV	577444	7366708	22.68%	1.081%
51	6.381	6.360	6.403	VV	229450	3046976	9.38%	0.447%
52	6.425	6.403	6.459	VV	479315	9032805	27.81%	1.325%
53	6.470	6.459	6.477	VV	177791	1715157	5.28%	0.252%
54	6.485	6.477	6.497	VV	182921	1764474	5.43%	0.259%
55	6.512	6.497	6.528	VV	329062	3584369	11.04%	0.526%
56	6.557	6.528	6.588	VV	491891	9330246	28.73%	1.369%
57	6.598	6.588	6.627	VV	63562	1131376	3.48%	0.166%
58	6.657	6.627	6.678	VV	330608	4572800	14.08%	0.671%
59	6.683	6.678	6.703	VV	91893	936976	2.89%	0.137%
60	6.739	6.703	6.786	VV	352393	5783320	17.81%	0.848%
61	6.825	6.786	6.837	VV	128517	2268976	6.99%	0.333%
62	6.854	6.837	6.875	VV	311546	4349860	13.39%	0.638%
63	6.889	6.875	6.912	VV	217547	2889433	8.90%	0.424%
64	6.942	6.912	6.957	VV	193093	2788959	8.59%	0.409%
65	6.967	6.957	6.980	VV	85523	977637	3.01%	0.143%
66	6.992	6.980	7.003	VV	74977	903558	2.78%	0.133%
67	7.024	7.003	7.043	VV	507331	5493787	16.92%	0.806%
68	7.060	7.043	7.073	VV	118044	1593000	4.91%	0.234%
69	7.087	7.073	7.112	VV	132973	2214600	6.82%	0.325%
70	7.147	7.112	7.172	VV	416923	6295423	19.38%	0.923%
71	7.182	7.172	7.202	VV	114018	1400572	4.31%	0.205%
72	7.224	7.202	7.241	VV	100604	1628318	5.01%	0.239%
73	7.273	7.241	7.294	VV	176218	3556586	10.95%	0.522%
74	7.315	7.294	7.331	VV	336323	4379216	13.48%	0.642%
75	7.341	7.331	7.350	VV	162838	1627813	5.01%	0.239%
76	7.387	7.350	7.405	VV	2058836	26357233	81.16%	3.866%
77	7.417	7.405	7.441	VV	119370	1929582	5.94%	0.283%
78	7.461	7.441	7.494	VV	204377	3850034	11.86%	0.565%
79	7.519	7.494	7.544	VV	1217717	13445938	41.40%	1.972%
80	7.558	7.544	7.571	VV	48882	702368	2.16%	0.103%
81	7.584	7.571	7.598	VV	48411	716163	2.21%	0.105%
82	7.615	7.598	7.629	VV	50649	795531	2.45%	0.117%
83	7.683	7.629	7.710	VV	405496	6611915	20.36%	0.970%
84	7.738	7.710	7.749	VV	86329	1716791	5.29%	0.252%
85	7.768	7.749	7.794	VV	97874	1940458	5.98%	0.285%
86	7.808	7.794	7.815	VV	46104	549342	1.69%	0.081%
87	7.824	7.815	7.836	VV	47487	571355	1.76%	0.084%
88	7.859	7.836	7.887	VV	133396	2446327	7.53%	0.359%
89	7.911	7.887	7.931	VV	102090	1757308	5.41%	0.258%

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90	7.949	7.931	7.965	VV	39103	710251	2.19%	0.104%
91	7.997	7.965	8.037	VV	429698	6056996	18	
92	8.049	8.037	8.066	VV	61387	875474	2	
93	8.078	8.066	8.085	VV	43599	485478	1	
94	8.109	8.085	8.129	VV	126218	1968418	6	
95	8.146	8.129	8.159	VV	77826	1186084	3	
96	8.167	8.159	8.192	VV	70073	1135603	3.50%	0.167%
97	8.210	8.192	8.229	VV	83240	1282687	3.95%	0.188%
98	8.268	8.229	8.299	VV	224247	4515553	13.90%	0.662%
99	8.317	8.299	8.340	VV	119662	1873348	5.77%	0.275%
100	8.369	8.340	8.373	VV	298239	3011505	9.27%	0.442%
101	8.383	8.373	8.455	VV	367736	5217411	16.07%	0.765%
102	8.491	8.455	8.505	VV	493140	6238894	19.21%	0.915%
103	8.517	8.505	8.536	VV	345428	3652004	11.25%	0.536%
104	8.562	8.536	8.586	VV	255730	3800047	11.70%	0.557%
105	8.604	8.586	8.622	VV	66158	1121048	3.45%	0.164%
106	8.652	8.622	8.703	VV	178319	4282918	13.19%	0.628%
107	8.724	8.703	8.742	VV	54916	1016176	3.13%	0.149%
108	8.762	8.742	8.778	VV	111910	1519124	4.68%	0.223%
109	8.782	8.778	8.799	VV	55737	597466	1.84%	0.088%
110	8.810	8.799	8.827	VV	44184	609354	1.88%	0.089%
111	8.872	8.827	8.905	VV	265228	3944567	12.15%	0.579%
112	8.923	8.905	8.947	VV	38957	873186	2.69%	0.128%
113	8.984	8.947	8.998	VV	58922	1427386	4.40%	0.209%
114	9.016	8.998	9.041	VV	105804	1718350	5.29%	0.252%
115	9.100	9.041	9.122	VV	95362	2937478	9.05%	0.431%
116	9.133	9.122	9.144	VV	40640	472854	1.46%	0.069%
117	9.157	9.144	9.185	VV	49053	933885	2.88%	0.137%
118	9.211	9.185	9.230	VV	124148	1817614	5.60%	0.267%
119	9.245	9.230	9.265	VV	57594	880874	2.71%	0.129%
120	9.287	9.265	9.309	VV	75658	1240117	3.82%	0.182%
121	9.336	9.309	9.352	VV	69852	1158433	3.57%	0.170%
122	9.385	9.352	9.406	VV	200930	3095534	9.53%	0.454%
123	9.422	9.406	9.460	VV	121492	1896269	5.84%	0.278%
124	9.475	9.460	9.496	VV	26129	512629	1.58%	0.075%
125	9.539	9.496	9.555	VV	94419	1559095	4.80%	0.229%
126	9.570	9.555	9.605	VV	83094	1247082	3.84%	0.183%
127	9.618	9.605	9.634	VV	21468	327642	1.01%	0.048%
128	9.675	9.634	9.702	VV	89393	1769701	5.45%	0.260%
129	9.718	9.702	9.734	VV	28372	448750	1.38%	0.066%
130	9.758	9.734	9.773	VV	52192	842047	2.59%	0.124%
131	9.782	9.773	9.802	VV	36563	503412	1.55%	0.074%
132	9.837	9.802	9.873	VV	71307	1763259	5.43%	0.259%
133	9.908	9.873	9.921	VV	32091	783050	2.41%	0.115%
134	9.937	9.921	9.951	VV	47880	681979	2.10%	0.100%
135	9.963	9.951	9.983	VV	44528	647619	1.99%	0.095%
136	10.001	9.983	10.021	VV	26085	516684	1.59%	0.076%
137	10.038	10.021	10.062	VV	31535	576177	1.77%	0.085%
138	10.081	10.062	10.102	VV	28284	573995	1.77%	0.084%
139	10.130	10.102	10.147	VV	31828	696946	2.15%	0.102%
140	10.167	10.147	10.200	VV	76158	1255556	3.87%	0.184%
141	10.205	10.200	10.225	VV	18506	252277	0.78%	0.037%

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142	10.241	10.225	10.259	VV	15765	288325	0.89%	0.042%
143	10.278	10.259	10.310	VV	20279	452146	1	
144	10.344	10.310	10.390	VV	27190	756867	2	
145	10.399	10.390	10.422	VV	9637	161037	0	
146	10.445	10.422	10.461	VV	12118	220592	0	
147	10.471	10.461	10.478	VV	9064	90694	0	
148	10.502	10.478	10.523	VV	27745	449409	1.38%	0.066%
149	10.528	10.523	10.537	VV	12091	102942	0.32%	0.015%
150	10.556	10.537	10.584	VV	24660	461707	1.42%	0.068%
151	10.613	10.584	10.622	VV	29084	437380	1.35%	0.064%
152	10.638	10.622	10.664	VV	43977	731084	2.25%	0.107%
153	10.682	10.664	10.727	VV	39285	719800	2.22%	0.106%
154	10.757	10.727	10.796	VV	26584	708408	2.18%	0.104%
155	10.821	10.796	10.845	VV	17561	411832	1.27%	0.060%
156	10.852	10.845	10.869	VV	12686	161574	0.50%	0.024%
157	10.906	10.869	10.944	VV	27436	785568	2.42%	0.115%
158	10.978	10.944	11.003	VV	23482	569029	1.75%	0.083%
159	11.008	11.003	11.021	VV	9614	99063	0.31%	0.015%
160	11.036	11.021	11.056	VV	10118	185662	0.57%	0.027%
161	11.060	11.056	11.077	VV	7177	76113	0.23%	0.011%
162	11.103	11.077	11.108	VV	6843	109594	0.34%	0.016%
163	11.123	11.108	11.136	VV	8042	122269	0.38%	0.018%
164	11.161	11.136	11.187	VV	31851	472388	1.45%	0.069%
165	11.193	11.187	11.206	VV	7071	76126	0.23%	0.011%
166	11.238	11.206	11.278	VV	12151	365996	1.13%	0.054%
167	11.300	11.278	11.312	VV	6605	119146	0.37%	0.017%
168	11.336	11.312	11.363	VV	8943	232385	0.72%	0.034%
169	11.377	11.363	11.397	VV	8239	135206	0.42%	0.020%
170	11.432	11.397	11.444	VV	6639	162073	0.50%	0.024%
171	11.468	11.444	11.491	VV	16311	306445	0.94%	0.045%
172	11.512	11.491	11.538	VV	12842	271852	0.84%	0.040%
173	11.555	11.538	11.577	VV	14564	234612	0.72%	0.034%
174	11.610	11.577	11.625	VV	14209	270829	0.83%	0.040%
175	11.638	11.625	11.665	VV	9794	205875	0.63%	0.030%
176	11.684	11.665	11.726	VV	11690	301921	0.93%	0.044%
177	11.756	11.726	11.778	VV	8066	164831	0.51%	0.024%
178	11.814	11.778	11.838	VV	10027	221305	0.68%	0.032%
179	11.854	11.838	11.872	VV	5630	92254	0.28%	0.014%
180	11.878	11.872	11.886	VV	3426	28906	0.09%	0.004%
181	11.930	11.886	11.951	VV	197723	2256741	6.95%	0.331%
182	11.965	11.951	11.980	VV	22827	275342	0.85%	0.040%
183	11.995	11.980	12.033	VV	25968	349726	1.08%	0.051%
184	12.060	12.033	12.086	VV	8490	171300	0.53%	0.025%
185	12.113	12.086	12.128	VV	12450	196475	0.60%	0.029%
186	12.145	12.128	12.193	VV	14496	277141	0.85%	0.041%
187	12.216	12.193	12.234	VV	3944	80328	0.25%	0.012%
188	12.276	12.234	12.294	VV	9520	255996	0.79%	0.038%
189	12.302	12.294	12.317	VV	6525	80088	0.25%	0.012%
190	12.330	12.317	12.354	VV	6634	111363	0.34%	0.016%
191	12.366	12.354	12.384	VV	4077	61397	0.19%	0.009%
192	12.406	12.384	12.419	VV	3705	65968	0.20%	0.010%
193	12.437	12.419	12.454	VV	5553	94165	0.29%	0.014%
194	12.465	12.454	12.478	VV	4411	57311	0.18%	0.008%

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				rteres				
195	12.499	12.478	12.507	VV	5654	80640	0.25%	0.012%
196	12.522	12.507	12.559	VV	13946	212264		
197	12.580	12.559	12.599	VV	4832	86552		
198	12.615	12.599	12.630	VV	3344	52040		
199	12.644	12.630	12.651	VV	3264	38647		
200	12.663	12.651	12.670	VV	3501	37224		
201	12.688	12.670	12.696	VV	5011	66718	0.21%	0.010%
202	12.709	12.696	12.730	VV	6183	90353	0.28%	0.013%
203	12.755	12.730	12.766	VV	11444	155886	0.48%	0.023%
204	12.772	12.766	12.797	VV	8998	108021	0.33%	0.016%
205	12.832	12.797	12.844	VV	4420	88268	0.27%	0.013%
206	12.865	12.844	12.884	VV	13705	198992	0.61%	0.029%
207	12.901	12.884	12.908	VV	7900	95622	0.29%	0.014%
208	12.922	12.908	12.958	VV	9326	168788	0.52%	0.025%
209	12.979	12.958	13.024	VV	8610	160834	0.50%	0.024%
210	13.032	13.024	13.053	VV	1433	22842	0.07%	0.003%
211	13.075	13.053	13.088	VV	1863	32601	0.10%	0.005%
212	13.106	13.088	13.122	VV	2627	41429	0.13%	0.006%
213	13.138	13.122	13.155	VV	3129	44642	0.14%	0.007%
214	13.170	13.155	13.184	VV	2299	33792	0.10%	0.005%
215	13.197	13.184	13.251	VV	2765	80892	0.25%	0.012%
216	13.277	13.251	13.302	VV	6473	95592	0.29%	0.014%
217	13.312	13.302	13.320	VV	1642	16604	0.05%	0.002%
218	13.365	13.320	13.395	VV	50761	666094	2.05%	0.098%
219	13.419	13.395	13.440	VV	3009	60210	0.19%	0.009%
220	13.451	13.440	13.476	VV	2035	37225	0.11%	0.005%
221	13.485	13.476	13.503	VV	1492	20022	0.06%	0.003%
222	13.532	13.503	13.544	VV	3152	48443	0.15%	0.007%
223	13.563	13.544	13.593	VV	3519	86619	0.27%	0.013%
224	13.611	13.593	13.655	VV	4201	76289	0.23%	0.011%
225	13.676	13.655	13.690	VV	2915	39773	0.12%	0.006%
226	13.709	13.690	13.726	VV	3272	50400	0.16%	0.007%
227	13.754	13.726	13.774	VV	3054	65730	0.20%	0.010%
228	13.782	13.774	13.808	VV	1866	30104	0.09%	0.004%
229	13.830	13.808	13.837	VV	1549	22890	0.07%	0.003%
230	13.867	13.837	13.919	VV	4094	89135	0.27%	0.013%
231	13.938	13.919	13.954	VV	1483	21662	0.07%	0.003%
232	13.975	13.954	13.998	VV	2874	46148	0.14%	0.007%
233	14.016	13.998	14.030	VV	2101	30798	0.09%	0.005%
234	14.065	14.030	14.091	VV	2410	58492	0.18%	0.009%
235	14.119	14.091	14.132	VV	2629	41834	0.13%	0.006%
236	14.145	14.132	14.167	VV	2248	29617	0.09%	0.004%
237	14.183	14.167	14.230	VV	1341	27460	0.08%	0.004%
238	14.235	14.230	14.298	VV	479	11134	0.03%	0.002%
239	14.343	14.298	14.377	PV	602	15745	0.05%	0.002%
240	14.381	14.377	14.397	VV	317	3021	0.01%	0.000%
241	14.417	14.397	14.427	VV	321	4718	0.01%	0.001%
242	14.457	14.427	14.468	VV	598	9841	0.03%	0.001%
243	14.486	14.468	14.510	VV	782	13161	0.04%	0.002%
244	14.512	14.510	14.516	VV	422	1298	0.00%	0.000%
245	14.558	14.516	14.572	VV	1509	31134	0.10%	0.005%
246	14.576	14.572	14.634	VV	1333	29460	0.09%	0.004%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

247	14.681	14.634	14.722	VV	1967	51532	0.16%	0.008%
248	14.733	14.722	14.760	VV	1021	17079		
249	14.785	14.760	14.796	VV	776	13700		
250	14.811	14.796	14.830	VV	811	14051		
251	14.845	14.830	14.870	VV	837	14443		
252	14.880	14.870	14.922	VV	503	9148		
253	14.967	14.922	14.990	VV	443	12393	0.04%	0.002%
254	14.999	14.990	15.017	VV	377	5212	0.02%	0.001%
255	15.032	15.017	15.045	VV	399	5564	0.02%	0.001%
256	15.059	15.045	15.087	VV	638	9327	0.03%	0.001%
257	15.104	15.096	15.111	VV	175	1430	0.00%	0.000%
258	15.116	15.111	15.136	VV	246	2382	0.01%	0.000%
259	15.158	15.136	15.175	VV	1216	18173	0.06%	0.003%
260	15.198	15.175	15.208	VV	1366	20866	0.06%	0.003%
261	15.222	15.208	15.251	VV	1778	29370	0.09%	0.004%
262	15.266	15.251	15.295	VV	931	13569	0.04%	0.002%
263	15.313	15.295	15.332	VV	395	7011	0.02%	0.001%
264	15.341	15.332	15.373	VV	550	10648	0.03%	0.002%
265	15.394	15.373	15.421	VV	548	11574	0.04%	0.002%
266	15.426	15.421	15.448	VV	287	3554	0.01%	0.001%
267	15.461	15.448	15.485	VV	340	4634	0.01%	0.001%
268	15.496	15.485	15.504	VV	144	1351	0.00%	0.000%
269	15.521	15.504	15.544	VV	268	4125	0.01%	0.001%
270	15.605	15.566	15.685	VV	4463	91158	0.28%	0.013%
271	15.701	15.685	15.710	VV	209	2365	0.01%	0.000%
272	15.758	15.710	15.808	VV	723	19352	0.06%	0.003%
273	15.831	15.808	15.850	PV	799	9794	0.03%	0.001%
274	15.867	15.850	15.891	VV	375	5302	0.02%	0.001%
275	15.895	15.891	15.917	VV	167	1546	0.00%	0.000%
276	15.958	15.917	15.965	VV	337	6028	0.02%	0.001%
277	15.981	15.965	15.989	VV	339	4073	0.01%	0.001%
278	15.993	15.989	16.002	VV	259	1790	0.01%	0.000%
279	16.005	16.002	16.032	VV	222	2236	0.01%	0.000%
280	16.067	16.050	16.087	VV	332	5070	0.02%	0.001%
281	16.097	16.087	16.109	VV	276	2490	0.01%	0.000%
282	16.116	16.109	16.127	VV	236	2095	0.01%	0.000%
283	16.131	16.127	16.139	VV	198	1298	0.00%	0.000%
284	16.158	16.147	16.172	VV	203	2247	0.01%	0.000%
285	16.204	16.184	16.222	VV	437	6414	0.02%	0.001%
286	16.243	16.222	16.269	VV	1302	18345	0.06%	0.003%
287	16.274	16.269	16.287	VV	192	1764	0.01%	0.000%
288	16.303	16.287	16.329	VV	331	4492	0.01%	0.001%
289	16.378	16.354	16.404	VV	173	2113	0.01%	0.000%
290	16.438	16.404	16.460	PV	236	4906	0.02%	0.001%
291	16.469	16.460	16.482	VV	163	1463	0.00%	0.000%
292	16.540	16.504	16.563	PV	209	2793	0.01%	0.000%
293	16.627	16.588	16.664	VV	560	10656	0.03%	0.002%
294	16.722	16.664	16.765	VV	1206	30075	0.09%	0.004%
295	16.809	16.765	16.830	VV	689	12010	0.04%	0.002%
296	16.857	16.830	16.878	VV	1059	15916	0.05%	0.002%
297	16.893	16.878	16.904	VV	292	4281	0.01%	0.001%
298	16.925	16.904	16.931	VV	375	4652	0.01%	0.001%
299	16.944	16.937	16.949	VV	319	1913	0.01%	0.000%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

300	16.951	16.949	16.959	VV	271	1573	0.00%	0.000%
301	16.962	16.959	16.968	VV	288	1373	0	
302	17.004	16.968	17.013	VV	301	6409	0	
303	17.034	17.013	17.061	VV	736	13268	0	
304	17.091	17.061	17.139	VV	961	25090	0	
305	17.160	17.139	17.170	VV	699	10420	0	
306	17.194	17.170	17.222	VV	2373	38854	0.12%	0.006%
307	17.242	17.222	17.274	VV	1287	22508	0.07%	0.003%
308	17.281	17.274	17.289	VV	363	2798	0.01%	0.000%
309	17.310	17.289	17.322	VV	381	5891	0.02%	0.001%
310	17.326	17.322	17.335	VV	314	2099	0.01%	0.000%
311	17.341	17.335	17.368	VV	360	4491	0.01%	0.001%
312	17.379	17.368	17.412	VV	184	2950	0.01%	0.000%
313	17.470	17.427	17.495	VV	217	4152	0.01%	0.001%
314	17.530	17.512	17.549	PV	170	2347	0.01%	0.000%
315	17.571	17.549	17.582	VV	229	3202	0.01%	0.000%
316	17.604	17.589	17.609	VV	278	2870	0.01%	0.000%
317	17.645	17.609	17.690	VV	2472	38704	0.12%	0.006%
318	17.737	17.698	17.754	VV	296	6496	0.02%	0.001%
319	17.762	17.754	17.777	VV	189	1971	0.01%	0.000%
320	17.814	17.782	17.820	VV	142	2451	0.01%	0.000%
321	17.873	17.835	17.880	PV	167	2289	0.01%	0.000%
322	17.906	17.899	17.917	VV	141	1222	0.00%	0.000%
323	17.944	17.917	17.952	VV	155	2026	0.01%	0.000%
324	18.082	17.952	18.118	PV	4072	73162	0.23%	0.011%
325	18.171	18.118	18.202	VV	1180	21327	0.07%	0.003%
326	18.266	18.202	18.295	VV	342	12708	0.04%	0.002%
327	18.358	18.295	18.386	VV	358	9746	0.03%	0.001%
328	18.408	18.386	18.422	PV	203	2810	0.01%	0.000%
329	18.454	18.422	18.479	VV	1885	38341	0.12%	0.006%
330	18.505	18.479	18.550	VV	4769	72035	0.22%	0.011%
331	18.604	18.550	18.618	PV	261	4792	0.01%	0.001%
332	18.718	18.618	18.742	VV	721	8997	0.03%	0.001%

Sum of corrected areas: 681757255

Aromatic EPH 110724.M Mon Nov 11 22:58:01 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-7DL		SDG No.:	P4721	
Lab Sample ID:	P4721-14DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.8	
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
FG014725.D	25	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	344		10.9	28.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	300		6.90	19.2	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.5	J	8.63	28.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	23.0	U	23.0	38.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	51.8	U	51.8	57.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.09		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-14DL	Acq On:	11 Nov 2024 10:50
Client Sample ID:	EX-9-TPH-7DL	Operator:	YP\AJ
Data file:	FG014725.D	Misc:	
Instrument:	FID_G	ALS Vial:	16
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.843	23583396	179.558	300	ug/ml
Aliphatic C12-C16	6.844	10.286	21254997	156.492	200	ug/ml
Aliphatic C16-C21	10.287	13.658	1071227	7.584	300	ug/ml
Aliphatic C21-C28	13.659	17.322	160229	1.14	400	ug/ml
Aliphatic C28-C40	17.323	22.254	87243	0.825	600	ug/ml
Aliphatic EPH	3.223	22.254	46157092	345.599		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	134350	1.09		ug/ml
Aliphatic C9-C28	3.223	17.322	46069849	344.774	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014725.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:50
Operator : YP\AJ
Sample : P4721-14DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7DL

Integration File: autoint1.e
Quant Time: Nov 11 20:49:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.388	134350	1.094 ug/ml
Spiked Amount 50.000		Recovery =	2.19%
Target Compounds			

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

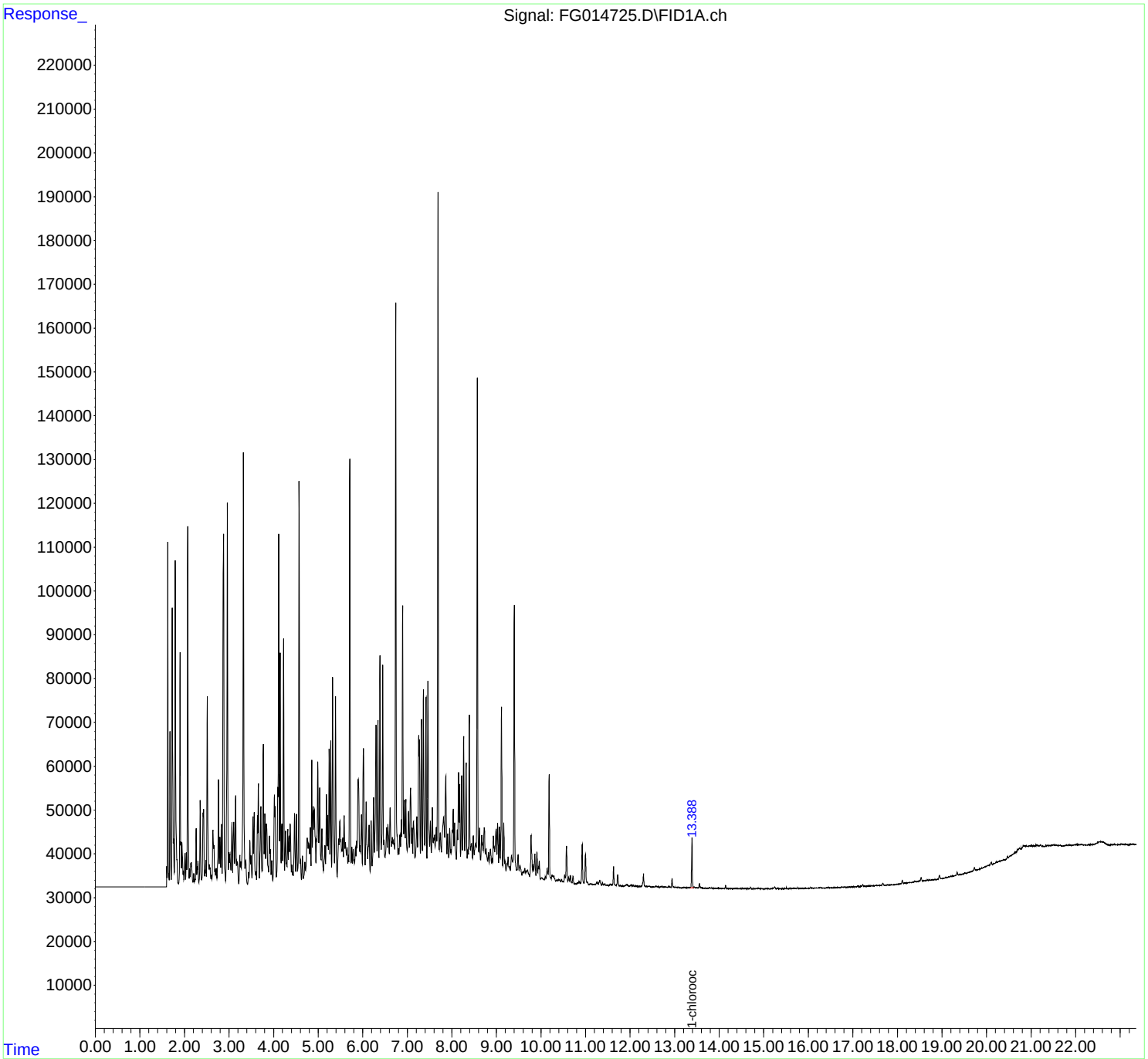
Quantitation Report (QT Reviewed)

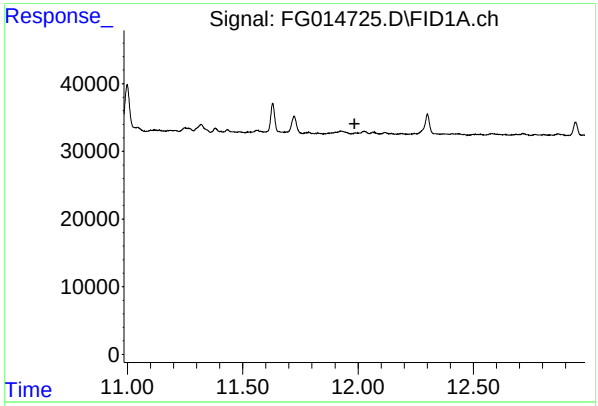
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014725.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:50
Operator : YP\AJ
Sample : P4721-14DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7DL

Integration File: autoint1.e
Quant Time: Nov 11 20:49:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

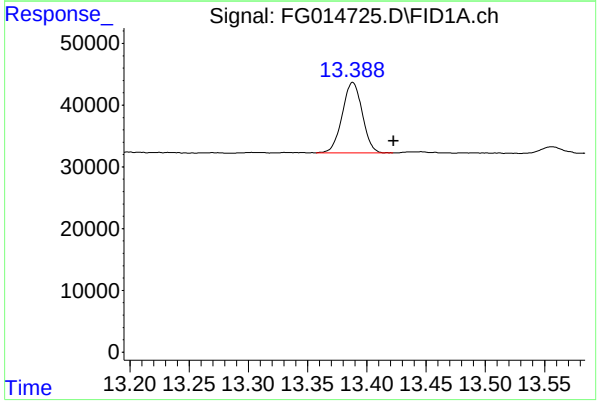




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.388 min
Delta R.T.: -0.034 min
Response: 134350
Conc: 1.09 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014725.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 10:50
Sample : P4721-14DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.242	3.221	3.255	BV	6469	73952	4.17%	0.160%
2	3.264	3.255	3.275	VV	4990	53070	2.99%	0.115%
3	3.323	3.275	3.358	VV	97387	1270786	71.60%	2.745%
4	3.375	3.358	3.415	VV	5445	94699	5.34%	0.205%
5	3.439	3.415	3.449	PV	2731	28395	1.60%	0.061%
6	3.468	3.449	3.484	VV	10009	126262	7.11%	0.273%
7	3.494	3.484	3.515	VV	6493	79251	4.47%	0.171%
8	3.536	3.515	3.550	VV	15310	177223	9.98%	0.383%
9	3.566	3.550	3.596	VV	16241	222151	12.52%	0.480%
10	3.606	3.596	3.617	VV	2765	27174	1.53%	0.059%
11	3.658	3.617	3.680	VV	22790	408907	23.04%	0.883%
12	3.714	3.680	3.741	VV	17528	301305	16.98%	0.651%
13	3.769	3.741	3.789	VV	31577	386350	21.77%	0.835%
14	3.806	3.789	3.821	VV	15711	200962	11.32%	0.434%
15	3.839	3.821	3.888	VV	13465	320246	18.04%	0.692%
16	3.908	3.888	3.945	VV	10612	213703	12.04%	0.462%
17	3.958	3.945	3.982	VV	4978	57800	3.26%	0.125%
18	4.018	3.982	4.029	VV	19850	270486	15.24%	0.584%
19	4.035	4.029	4.063	VV	17202	186609	10.51%	0.403%
20	4.115	4.063	4.133	VV	78972	1060895	59.77%	2.292%
21	4.148	4.133	4.169	VV	52048	554318	31.23%	1.197%
22	4.184	4.169	4.203	VV	13150	175981	9.91%	0.380%
23	4.225	4.203	4.248	VV	55307	606029	34.14%	1.309%
24	4.268	4.248	4.299	VV	11467	186826	10.53%	0.404%
25	4.318	4.299	4.332	VV	11822	147978	8.34%	0.320%
26	4.346	4.332	4.357	VV	10275	120142	6.77%	0.260%
27	4.373	4.357	4.400	VV	13050	216335	12.19%	0.467%
28	4.411	4.400	4.441	VV	3619	54124	3.05%	0.117%
29	4.471	4.441	4.495	VV	15326	228743	12.89%	0.494%
30	4.515	4.495	4.540	VV	15114	202577	11.41%	0.438%
31	4.573	4.540	4.626	VV	90701	1039646	58.57%	2.246%
32	4.648	4.626	4.671	PV	5348	62545	3.52%	0.135%
33	4.703	4.671	4.718	PV	3479	45861	2.58%	0.099%
34	4.756	4.718	4.775	VV	8468	193791	10.92%	0.419%
35	4.787	4.775	4.807	VV	6949	117381	6.61%	0.254%
36	4.824	4.807	4.840	VV	10251	127181	7.17%	0.275%

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37	4.857	4.840	4.872	VV	25243	249073	14.03%	0.538%
38	4.890	4.872	4.905	VV	14506	227251	12.80%	0.491%
39	4.917	4.905	4.950	VV	13428	225814	12.72%	0.488%
40	4.992	4.950	5.014	VV	23740	382068	21.53%	0.825%
41	5.035	5.014	5.065	VV	17400	236129	13.30%	0.510%
42	5.085	5.065	5.101	VBA	7581	83056	4.68%	0.179%
43	5.152	5.101	5.166	BV	4144	18308	1.03%	0.040%
44	5.187	5.166	5.204	VV	16055	181831	10.24%	0.393%
45	5.217	5.204	5.230	VV	11715	123108	6.94%	0.266%
46	5.248	5.230	5.265	VV	27227	300453	16.93%	0.649%
47	5.282	5.265	5.303	VV	29378	303129	17.08%	0.655%
48	5.325	5.303	5.367	VV	44258	609091	34.32%	1.316%
49	5.391	5.367	5.427	VV	40589	476906	26.87%	1.030%
50	5.487	5.427	5.537	PV	12768	483846	27.26%	1.045%
51	5.554	5.537	5.567	VV	8957	125965	7.10%	0.272%
52	5.584	5.567	5.602	VV	13906	199761	11.25%	0.431%
53	5.613	5.602	5.638	VV	7879	138797	7.82%	0.300%
54	5.651	5.638	5.667	VV	6749	92361	5.20%	0.200%
55	5.678	5.667	5.686	VV	4384	44715	2.52%	0.097%
56	5.710	5.686	5.743	VV	94903	1130896	63.72%	2.443%
57	5.758	5.743	5.773	VV	6863	89283	5.03%	0.193%
58	5.787	5.773	5.819	VV	6304	119285	6.72%	0.258%
59	5.838	5.819	5.849	VV	6789	96694	5.45%	0.209%
60	5.863	5.849	5.872	VV	8263	94041	5.30%	0.203%
61	5.900	5.872	5.948	VV	22367	592755	33.40%	1.280%
62	5.974	5.948	5.991	VV	14389	233968	13.18%	0.505%
63	6.017	5.991	6.055	VV	29455	563476	31.75%	1.217%
64	6.078	6.055	6.112	VV	17242	306274	17.26%	0.662%
65	6.144	6.112	6.167	VV	12000	219216	12.35%	0.474%
66	6.191	6.167	6.211	VV	13025	168701	9.50%	0.364%
67	6.243	6.211	6.262	VV	18187	278426	15.69%	0.601%
68	6.301	6.262	6.322	VV	34962	657076	37.02%	1.419%
69	6.342	6.322	6.364	VV	35825	431651	24.32%	0.932%
70	6.387	6.364	6.417	VV	50658	655242	36.92%	1.415%
71	6.450	6.417	6.500	VV	48432	766786	43.20%	1.656%
72	6.537	6.500	6.553	VV	11513	249213	14.04%	0.538%
73	6.567	6.553	6.596	VV	12232	241168	13.59%	0.521%
74	6.616	6.596	6.643	VV	16125	305692	17.22%	0.660%
75	6.667	6.643	6.679	VV	9307	184117	10.37%	0.398%
76	6.690	6.679	6.717	VV	8817	179656	10.12%	0.388%
77	6.742	6.717	6.815	VV	130755	1703471	95.97%	3.680%
78	6.835	6.815	6.850	VV	10033	174963	9.86%	0.378%
79	6.868	6.850	6.877	VV	13494	170526	9.61%	0.368%
80	6.897	6.877	6.921	VV	62347	789320	44.47%	1.705%
81	6.935	6.921	6.954	VV	17930	268846	15.15%	0.581%
82	6.969	6.954	6.998	VV	18038	293396	16.53%	0.634%
83	7.029	6.998	7.049	VV	15438	311262	17.54%	0.672%
84	7.074	7.049	7.099	VV	20554	423037	23.83%	0.914%
85	7.109	7.099	7.123	VV	11651	132777	7.48%	0.287%
86	7.140	7.123	7.175	VV	13152	290835	16.39%	0.628%
87	7.215	7.175	7.233	VV	14264	304535	17.16%	0.658%
88	7.258	7.233	7.296	VV	32658	774036	43.61%	1.672%
89	7.318	7.296	7.340	VV	36402	484677	27.31%	1.047%

90	7.363	7.340	7.396	VV	43383	644940	36.34%	1.393%
91	7.421	7.396	7.442	VV	41534	517078	29.13%	1.117%
92	7.465	7.442	7.502	VV	45378	688414	38.79%	1.487%
93	7.520	7.502	7.542	VV	13424	229445	12.93%	0.496%
94	7.565	7.542	7.583	VV	16475	267893	15.09%	0.579%
95	7.610	7.583	7.626	VV	10234	237369	13.37%	0.513%
96	7.652	7.626	7.665	VV	11960	229559	12.93%	0.496%
97	7.691	7.665	7.718	VV	157119	1774925	100.00%	3.834%
98	7.740	7.718	7.767	VV	10820	256732	14.46%	0.555%
99	7.815	7.767	7.839	VV	14385	493367	27.80%	1.066%
100	7.865	7.839	7.891	VV	23799	472110	26.60%	1.020%
101	7.908	7.891	7.931	VV	10675	185196	10.43%	0.400%
102	7.954	7.931	7.990	VV	11786	274020	15.44%	0.592%
103	8.032	7.990	8.048	VV	16218	393604	22.18%	0.850%
104	8.062	8.048	8.103	VV	13170	278637	15.70%	0.602%
105	8.153	8.134	8.166	VV	24713	337050	18.99%	0.728%
106	8.177	8.166	8.198	VV	22072	273779	15.42%	0.591%
107	8.220	8.198	8.242	VV	23918	350100	19.72%	0.756%
108	8.266	8.242	8.291	VV	33067	491089	27.67%	1.061%
109	8.322	8.291	8.346	VV	26919	438945	24.73%	0.948%
110	8.361	8.346	8.371	VV	7189	96627	5.44%	0.209%
111	8.393	8.371	8.419	VV	38008	512117	28.85%	1.106%
112	8.441	8.419	8.465	VV	8567	206967	11.66%	0.447%
113	8.483	8.465	8.503	VV	10408	171318	9.65%	0.370%
114	8.533	8.503	8.547	VV	8587	203192	11.45%	0.439%
115	8.574	8.547	8.603	VV	114624	1351908	76.17%	2.920%
116	8.622	8.603	8.646	VV	12133	214836	12.10%	0.464%
117	8.671	8.646	8.704	VV	10585	274926	15.49%	0.594%
118	8.730	8.704	8.754	VV	12406	282823	15.93%	0.611%
119	8.769	8.754	8.804	VV	7420	183055	10.31%	0.395%
120	8.867	8.839	8.892	VV	7481	188828	10.64%	0.408%
121	8.934	8.915	8.963	VV	10425	220864	12.44%	0.477%
122	8.994	8.963	9.012	VV	12146	277106	15.61%	0.599%
123	9.029	9.012	9.051	VV	13410	215299	12.13%	0.465%
124	9.069	9.051	9.086	VV	12569	177005	9.97%	0.382%
125	9.115	9.086	9.143	VV	39996	571088	32.18%	1.234%
126	9.167	9.143	9.186	VV	13608	202923	11.43%	0.438%
127	9.263	9.217	9.313	VV	5837	227953	12.84%	0.492%
128	9.342	9.313	9.363	VV	6170	144828	8.16%	0.313%
129	9.402	9.363	9.453	VV	63298	858986	48.40%	1.855%
130	9.487	9.453	9.510	VV	6374	142134	8.01%	0.307%
131	9.530	9.510	9.574	VV	3944	117209	6.60%	0.253%
132	9.639	9.618	9.656	VV	3351	63570	3.58%	0.137%
133	9.700	9.656	9.747	VV	2936	132073	7.44%	0.285%
134	9.779	9.747	9.811	VV	10968	218126	12.29%	0.471%
135	9.823	9.811	9.839	VV	4221	57541	3.24%	0.124%
136	9.864	9.839	9.887	VV	6701	122435	6.90%	0.264%
137	9.910	9.887	9.929	VV	7047	104945	5.91%	0.227%
138	9.942	9.929	9.950	VV	3783	40622	2.29%	0.088%
139	9.964	9.950	9.989	VV	5213	74311	4.19%	0.161%
140	10.020	9.989	10.077	VV	1316	58436	3.29%	0.126%
141	10.099	10.077	10.115	VV	1595	29267	1.65%	0.063%

142	10.141	10.115	10.160	VV	3462	67337	3.79%	0.145%
143	10.185	10.160	10.231	VV	24867	319156	17.98%	0.689%
144	10.251	10.231	10.277	VV	1953	47687	2.69%	0.103%
145	10.289	10.277	10.333	VV	1831	42886	2.42%	0.093%
146	10.360	10.333	10.381	VV	1022	23353	1.32%	0.050%
147	10.398	10.381	10.411	VV	1076	17026	0.96%	0.037%
148	10.416	10.411	10.441	VV	1041	14893	0.84%	0.032%
149	10.461	10.441	10.488	VV	1066	22024	1.24%	0.048%
150	10.533	10.488	10.547	VV	2169	39101	2.20%	0.084%
151	10.574	10.547	10.604	VV	8762	137572	7.75%	0.297%
152	10.624	10.604	10.644	VV	1753	28569	1.61%	0.062%
153	10.664	10.644	10.697	VV	2045	34078	1.92%	0.074%
154	10.720	10.697	10.749	VV	1869	27613	1.56%	0.060%
155	10.763	10.749	10.798	VV	303	6411	0.36%	0.014%
156	10.823	10.798	10.836	VV	418	7851	0.44%	0.017%
157	10.856	10.836	10.883	VV	789	14766	0.83%	0.032%
158	10.926	10.883	10.968	VV	9223	126219	7.11%	0.273%
159	10.999	10.968	11.038	VV	6975	109753	6.18%	0.237%
160	11.043	11.038	11.080	VV	686	9597	0.54%	0.021%
161	11.117	11.080	11.168	VV	318	11657	0.66%	0.025%
162	11.185	11.168	11.201	VV	303	4849	0.27%	0.010%
163	11.207	11.201	11.224	VV	257	2927	0.16%	0.006%
164	11.250	11.224	11.287	VV	692	17947	1.01%	0.039%
165	11.320	11.287	11.360	VV	1197	27517	1.55%	0.059%
166	11.381	11.360	11.415	VV	684	10077	0.57%	0.022%
167	11.434	11.415	11.511	VV	491	10752	0.61%	0.023%
168	11.561	11.511	11.597	VV	402	11622	0.65%	0.025%
169	11.630	11.597	11.688	VV	4430	60207	3.39%	0.130%
170	11.723	11.688	11.760	VV	2559	39754	2.24%	0.086%
171	11.785	11.760	11.860	PV	227	4149	0.23%	0.009%
172	11.925	11.860	11.971	VV	425	13651	0.77%	0.029%
173	11.991	11.971	12.002	VV	183	2284	0.13%	0.005%
174	12.028	12.002	12.051	VV	458	7579	0.43%	0.016%
175	12.067	12.051	12.098	VV	291	4915	0.28%	0.011%
176	12.116	12.098	12.173	VV	276	5832	0.33%	0.013%
177	12.188	12.173	12.218	VV	175	2502	0.14%	0.005%
178	12.243	12.218	12.254	VV	141	2315	0.13%	0.005%
179	12.301	12.254	12.358	VV	3052	49235	2.77%	0.106%
180	12.365	12.358	12.397	VV	153	2962	0.17%	0.006%
181	12.407	12.397	12.416	VV	183	1793	0.10%	0.004%
182	12.423	12.416	12.478	VV	175	3933	0.22%	0.008%
183	12.507	12.478	12.550	PV	139	3616	0.20%	0.008%
184	12.581	12.550	12.635	VV	242	7545	0.43%	0.016%
185	12.642	12.635	12.655	VV	99	1093	0.06%	0.002%
186	12.714	12.655	12.748	VV	297	7967	0.45%	0.017%
187	12.767	12.748	12.794	VV	189	3104	0.17%	0.007%
188	12.804	12.794	12.844	VV	176	3397	0.19%	0.007%
189	12.867	12.844	12.911	VV	312	6633	0.37%	0.014%
190	12.943	12.911	12.988	VV	2044	28606	1.61%	0.062%
191	13.002	12.988	13.047	VV	175	4072	0.23%	0.009%
192	13.062	13.047	13.072	VV	134	1496	0.08%	0.003%
193	13.094	13.072	13.157	VV	169	3345	0.19%	0.007%
194	13.167	13.157	13.181	PV	68	870	0.05%	0.002%

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195	13.199	13.181	13.253	VV	201	5034	0.28%	0.011%
196	13.270	13.253	13.284	VV	101	1365	0.08%	0.003%
197	13.303	13.284	13.320	VV	147	2145	0.12%	0.005%
198	13.333	13.320	13.352	VV	164	2418	0.14%	0.005%
199	13.388	13.352	13.423	VV	11541	138664	7.81%	0.300%
200	13.443	13.423	13.531	VV	298	8813	0.50%	0.019%
201	13.556	13.531	13.662	VV	1123	19537	1.10%	0.042%
202	13.676	13.662	13.711	VV	134	1524	0.09%	0.003%
203	13.729	13.711	13.758	PV	93	1553	0.09%	0.003%
204	13.786	13.758	13.814	VV	206	3927	0.22%	0.008%
205	13.835	13.814	13.859	VV	143	2241	0.13%	0.005%
206	13.864	13.859	13.874	VV	113	695	0.04%	0.002%
207	13.886	13.874	13.892	VV	73	595	0.03%	0.001%
208	13.905	13.892	13.931	VV	119	1626	0.09%	0.004%
209	13.968	13.931	14.038	VV	154	6582	0.37%	0.014%
210	14.048	14.038	14.078	VV	93	1609	0.09%	0.003%
211	14.088	14.078	14.108	VV	101	1115	0.06%	0.002%
212	14.143	14.108	14.174	VV	791	9583	0.54%	0.021%
213	14.186	14.174	14.191	VV	59	340	0.02%	0.001%
214	14.204	14.191	14.218	VV	62	855	0.05%	0.002%
215	14.225	14.218	14.241	VV	64	496	0.03%	0.001%
216	14.260	14.241	14.312	VV	80	1662	0.09%	0.004%
217	14.323	14.312	14.338	VV	40	558	0.03%	0.001%
218	14.376	14.338	14.421	PV	136	4102	0.23%	0.009%
219	14.431	14.421	14.461	VV	70	1439	0.08%	0.003%
220	14.468	14.461	14.494	VV	82	1158	0.07%	0.003%
221	14.509	14.494	14.517	VV	97	815	0.05%	0.002%
222	14.526	14.517	14.554	VV	96	1661	0.09%	0.004%
223	14.572	14.554	14.599	VV	128	2142	0.12%	0.005%
224	14.660	14.599	14.680	VV	134	3147	0.18%	0.007%
225	14.707	14.680	14.751	PV	357	5284	0.30%	0.011%
226	14.756	14.751	14.805	VV	54	1599	0.09%	0.003%
227	14.836	14.805	14.865	VV	125	2861	0.16%	0.006%
228	14.873	14.865	14.946	VV	136	2841	0.16%	0.006%
229	14.959	14.946	15.029	VV	81	1762	0.10%	0.004%
230	15.080	15.029	15.145	VV	115	3298	0.19%	0.007%
231	15.171	15.145	15.180	PV	42	420	0.02%	0.001%
232	15.248	15.180	15.281	VV	435	10040	0.57%	0.022%
233	15.297	15.281	15.360	VV	68	2377	0.13%	0.005%
234	15.372	15.360	15.394	VV	51	668	0.04%	0.001%
235	15.431	15.394	15.466	VV	68	1435	0.08%	0.003%
236	15.507	15.466	15.563	VV	275	2367	0.13%	0.005%
237	15.581	15.563	15.604	VV	85	812	0.05%	0.002%
238	15.665	15.604	15.678	PV	165	3018	0.17%	0.007%
239	15.680	15.678	15.695	VV	126	871	0.05%	0.002%
240	15.704	15.695	15.712	VV	79	595	0.03%	0.001%
241	15.770	15.712	15.820	VV	206	4911	0.28%	0.011%
242	15.837	15.820	15.851	VV	82	832	0.05%	0.002%
243	15.856	15.851	15.864	VV	44	208	0.01%	0.000%
244	15.928	15.864	15.959	VV	66	2380	0.13%	0.005%
245	16.051	15.959	16.115	VV	145	6206	0.35%	0.013%
246	16.138	16.115	16.158	VV	144	1994	0.11%	0.004%

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247	16.162	16.158	16.172	VV	104	624	0.04%	0.001%
248	16.194	16.172	16.211	VV	93	1640	0.09%	0.004%
249	16.235	16.211	16.245	VV	126	1974	0.11%	0.004%
250	16.268	16.245	16.299	VV	278	5064	0.29%	0.011%
251	16.319	16.299	16.344	VV	104	1898	0.11%	0.004%
252	16.353	16.344	16.376	VV	93	1211	0.07%	0.003%
253	16.415	16.376	16.435	PV	171	3015	0.17%	0.007%
254	16.445	16.435	16.471	VV	123	2069	0.12%	0.004%
255	16.478	16.471	16.507	VV	77	1385	0.08%	0.003%
256	16.521	16.507	16.547	VV	95	896	0.05%	0.002%
257	16.633	16.547	16.698	VV	99	4145	0.23%	0.009%
258	16.705	16.698	16.716	VV	51	462	0.03%	0.001%
259	16.753	16.716	16.778	VV	210	3925	0.22%	0.008%
260	16.794	16.778	16.815	VV	103	1621	0.09%	0.004%
261	16.839	16.815	16.907	VV	107	2760	0.16%	0.006%
262	16.917	16.907	16.945	VV	54	1052	0.06%	0.002%
263	16.982	16.945	16.992	VV	75	1365	0.08%	0.003%
264	17.014	16.992	17.028	PV	75	1238	0.07%	0.003%
265	17.047	17.028	17.073	VV	98	1599	0.09%	0.003%
266	17.121	17.073	17.151	VV	132	3726	0.21%	0.008%
267	17.182	17.151	17.192	VV	122	2153	0.12%	0.005%
268	17.220	17.192	17.268	VV	520	8623	0.49%	0.019%
269	17.275	17.268	17.281	VV	59	470	0.03%	0.001%
270	17.295	17.281	17.320	VV	64	1110	0.06%	0.002%
271	17.390	17.320	17.401	VV	119	2854	0.16%	0.006%
272	17.448	17.401	17.473	VV	82	2867	0.16%	0.006%
273	17.503	17.473	17.529	VV	115	2972	0.17%	0.006%
274	17.536	17.529	17.555	VV	88	1148	0.06%	0.002%
275	17.629	17.555	17.641	VV	89	2913	0.16%	0.006%
276	17.672	17.641	17.721	VV	571	9139	0.51%	0.020%
277	17.777	17.721	17.799	VV	122	2368	0.13%	0.005%
278	17.808	17.799	17.825	VV	78	654	0.04%	0.001%
279	17.850	17.825	17.882	PV	91	1735	0.10%	0.004%
280	17.891	17.882	17.905	PV	60	305	0.02%	0.001%
281	17.988	17.905	18.005	PV	77	1372	0.08%	0.003%
282	18.030	18.005	18.040	VV	66	721	0.04%	0.002%
283	18.108	18.040	18.133	VV	822	13416	0.76%	0.029%
284	18.202	18.133	18.211	VV	121	4391	0.25%	0.009%
285	18.252	18.211	18.268	VV	141	3083	0.17%	0.007%
286	18.292	18.268	18.310	VV	114	2291	0.13%	0.005%
287	18.532	18.310	18.562	VV	934	30050	1.69%	0.065%
288	18.624	18.562	18.635	VV	132	4964	0.28%	0.011%

Sum of corrected areas: 46295754

Aliphatic EPH 102124.M Mon Nov 11 22:55:07 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-7DL2		SDG No.:	P4721	
Lab Sample ID:	P4721-14DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.8	
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
FF014995.D	50	11/08/24	11/11/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	531		17.3	38.4	mg/kg
Aromatic C12-C16	Aromatic C12-C16	230		19.6	57.5	mg/kg
Aromatic C16-C21	Aromatic C16-C21	51.8	J	55.2	95.9	mg/kg
Aromatic C21-C36	Aromatic C21-C36	115	U	115	153	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	1.68		40 - 140	168%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	1.65		40 - 140	165%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.75		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:	P4721-14DL2	Acq On:	11 Nov 2024 12:15
Client Sample ID:	EX-9-TPH-7DL2	Operator:	YP\AJ
Data file:	FF014995.D	Misc:	
Instrument:	FID_F	ALS Vial:	65
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.510	6.375	21414110	138.541	200	ug/ml
Aromatic C12-C16	6.376	9.068	9229697	60.104	300	ug/ml
Aromatic C16-C21	9.069	13.383	1917521	13.495	500	ug/ml
Aromatic C21-C36	13.384	18.828	443656	3.214	800	ug/ml
Aromatic EPH	4.510	18.828	33004984	215.354		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	222938	1.68		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	147380	1.65		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	110713	0.75		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014995.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:15
Operator : YP\AJ
Sample : P4721-14DL2 50X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:48:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.993	222938	1.675 ug/mlm
Spiked Amount 50.000		Recovery =	3.35%
6) S 2-Flurobiphenyl (SURR)	8.866	147380	1.652 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	3.30%
11) S ortho-Terphenyl (SURR)	11.928	110713	0.752 ug/mlm
Spiked Amount 50.000		Recovery =	1.50%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014995.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:15
Operator : YP\AJ
Sample : P4721-14DL2 50X
Misc :
ALS Vial : 65 Sample Multiplier: 1

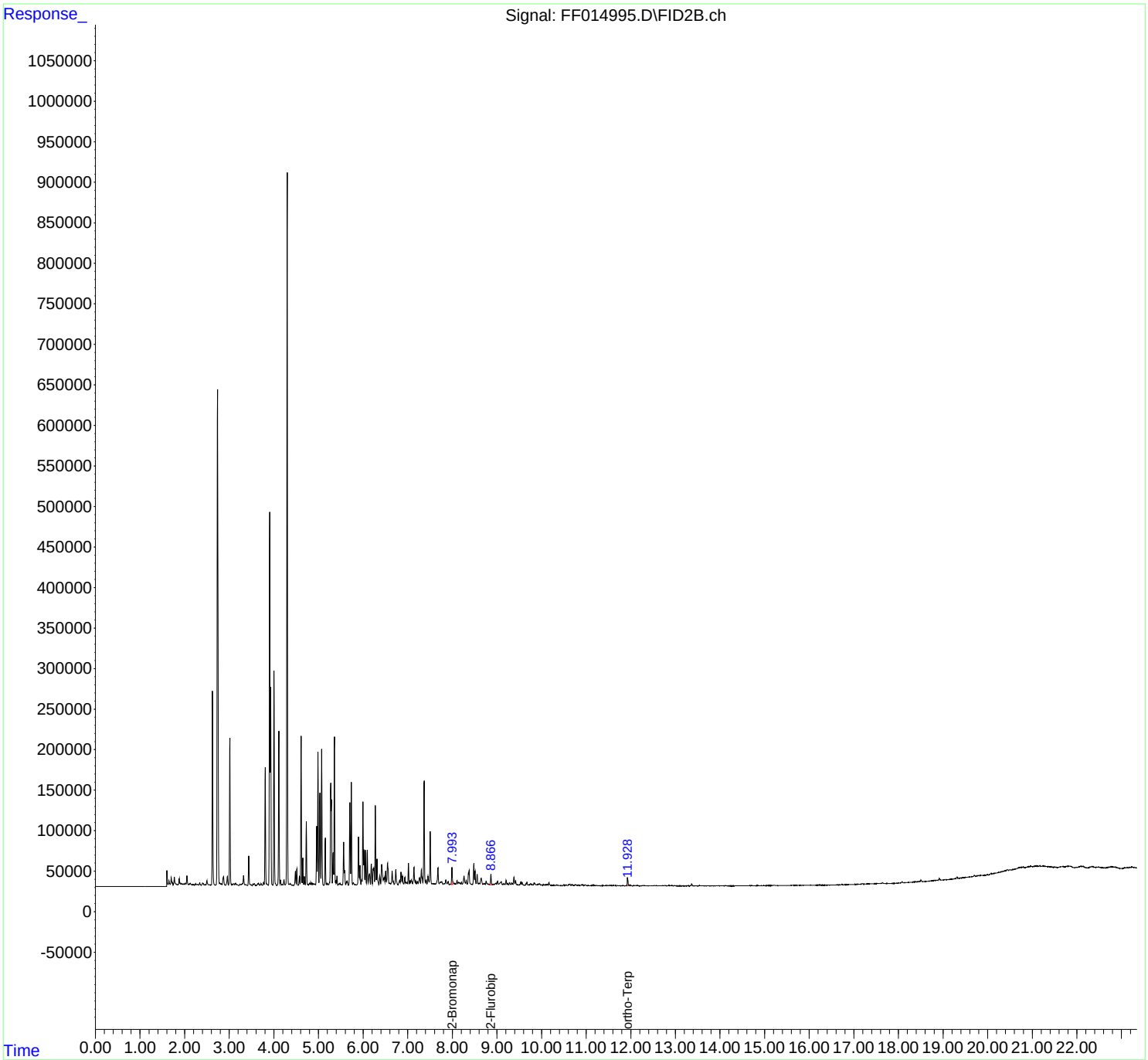
Integration File: autoint1.e
Quant Time: Nov 11 20:48:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

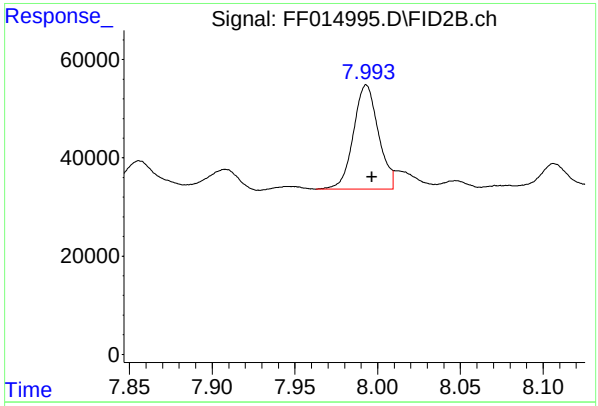
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024





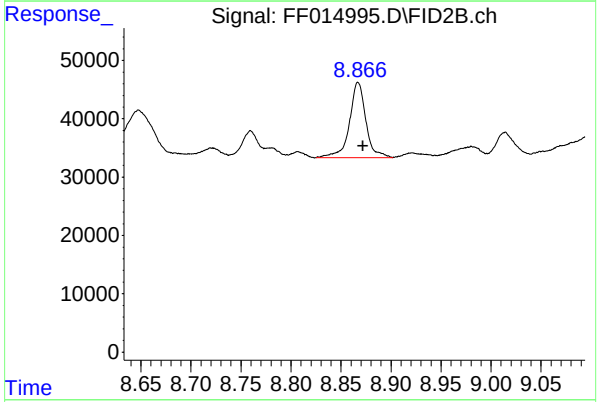
#4 2-Bromonaphthalene (SURR)

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 222938
Conc: 1.68 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

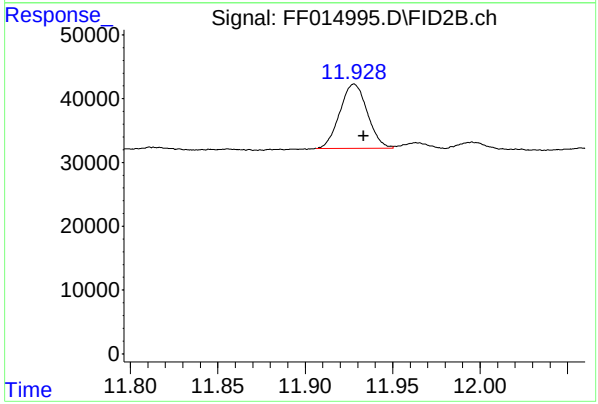
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.866 min
Delta R.T.: -0.006 min
Response: 147380
Conc: 1.65 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.006 min
Response: 110713
Conc: 0.75 ug/ml m

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11112
Data File : FF014995.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 12:15
Sample : P4721-14DL2 50X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.433	4.425	4.443	PV	213	1321	0.08%	0.004%
2	4.483	4.443	4.499	PV	17619	195595	11.35%	0.582%
3	4.515	4.499	4.542	VV	20525	207079	12.02%	0.616%
4	4.611	4.590	4.630	PBA	181457	1722239	99.97%	5.124%
5	4.649	4.630	4.669	BV	31308	283002	16.43%	0.842%
6	4.728	4.705	4.776	PV	78256	758032	44.00%	2.255%
7	4.829	4.812	4.843	VV	3012	28086	1.63%	0.084%
8	4.887	4.872	4.905	PV	1332	15041	0.87%	0.045%
9	4.960	4.920	4.974	BV	71695	675903	39.24%	2.011%
10	4.990	4.974	5.011	VV	163330	1563482	90.76%	4.651%
11	5.032	5.011	5.054	VV	113335	1394004	80.92%	4.147%
12	5.072	5.054	5.121	VV	167576	1722680	100.00%	5.125%
13	5.153	5.121	5.175	PV	58638	560978	32.56%	1.669%
14	5.275	5.230	5.284	PV	124194	1249634	72.54%	3.718%
15	5.290	5.284	5.310	VBA	103792	894123	51.90%	2.660%
16	5.329	5.310	5.341	BV	38126	357787	20.77%	1.064%
17	5.358	5.341	5.380	VV	181500	1720189	99.86%	5.118%
18	5.416	5.401	5.437	VV	11066	104408	6.06%	0.311%
19	5.565	5.535	5.580	PV	52638	547259	31.77%	1.628%
20	5.586	5.580	5.610	VV	17947	156573	9.09%	0.466%
21	5.629	5.610	5.640	PBA	2787	20367	1.18%	0.061%
22	5.649	5.640	5.672	BV	2759	17563	1.02%	0.052%
23	5.703	5.672	5.721	PV	101910	1071868	62.22%	3.189%
24	5.738	5.721	5.765	VV	127163	1254523	72.82%	3.732%
25	5.898	5.850	5.918	PV	59088	624245	36.24%	1.857%
26	5.931	5.918	5.951	VV	23860	240209	13.94%	0.715%
27	5.998	5.977	6.013	VV	98897	979045	56.83%	2.913%
28	6.023	6.013	6.040	VBA	38489	360210	20.91%	1.072%
29	6.055	6.040	6.075	BV	38731	336819	19.55%	1.002%
30	6.095	6.075	6.114	PV	41082	384815	22.34%	1.145%
31	6.185	6.165	6.207	PV	25274	305478	17.73%	0.909%
32	6.241	6.207	6.258	VV	20021	390971	22.70%	1.163%
33	6.276	6.258	6.296	VV	97377	944501	54.83%	2.810%
34	6.314	6.296	6.354	VV	31845	384189	22.30%	1.143%
35	6.375	6.354	6.396	PV	11168	138808	8.06%	0.413%
36	6.417	6.396	6.453	VV	25272	463870	26.93%	1.380%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

37	6.464	6.453	6.472	VV	8388	80793	4.69%	0.240%
38	6.479	6.472	6.492	VV	8503	79714	4	
39	6.506	6.492	6.523	VV	16798	179026	10	
40	6.549	6.523	6.583	VV	26778	467800	27	
41	6.592	6.583	6.622	VV	1944	29406	1	
42	6.652	6.622	6.675	VV	16870	211913	12	
43	6.679	6.675	6.700	VBA	3471	23952	1.39%	0.071%
44	6.734	6.700	6.782	BV	18861	252346	14.65%	0.751%
45	6.820	6.782	6.833	PV	5787	86481	5.02%	0.257%
46	6.850	6.833	6.870	VV	15697	211774	12.29%	0.630%
47	6.885	6.870	6.910	VV	11003	133050	7.72%	0.396%
48	6.937	6.910	6.953	VV	9473	117946	6.85%	0.351%
49	6.962	6.953	6.975	VV	3481	36540	2.12%	0.109%
50	6.987	6.975	6.999	VV	2924	32823	1.91%	0.098%
51	7.018	6.999	7.039	VV	26983	274719	15.95%	0.817%
52	7.056	7.039	7.069	VV	5216	65116	3.78%	0.194%
53	7.083	7.069	7.108	VV	6088	94334	5.48%	0.281%
54	7.141	7.108	7.168	VV	21744	305634	17.74%	0.909%
55	7.178	7.168	7.196	VV	5270	56184	3.26%	0.167%
56	7.217	7.196	7.235	VV	4467	63965	3.71%	0.190%
57	7.266	7.235	7.287	VV	9038	163391	9.48%	0.486%
58	7.308	7.287	7.340	VV	18885	292225	16.96%	0.869%
59	7.368	7.340	7.399	VV	128634	1403588	81.48%	4.176%
60	7.413	7.399	7.435	VV	6226	85303	4.95%	0.254%
61	7.455	7.435	7.482	VV	10823	163367	9.48%	0.486%
62	7.506	7.482	7.540	VV	65896	716710	41.60%	2.132%
63	7.555	7.540	7.567	VV	1596	21831	1.27%	0.065%
64	7.581	7.567	7.595	VV	1584	21663	1.26%	0.064%
65	7.612	7.595	7.627	VV	1718	24297	1.41%	0.072%
66	7.679	7.627	7.707	VV	21103	315072	18.29%	0.937%
67	7.734	7.707	7.747	VV	3664	71168	4.13%	0.212%
68	7.765	7.747	7.792	VV	4293	79202	4.60%	0.236%
69	7.806	7.792	7.812	VV	1558	16665	0.97%	0.050%
70	7.821	7.812	7.832	VV	1605	17921	1.04%	0.053%
71	7.856	7.832	7.884	VV	6427	103409	6.00%	0.308%
72	7.908	7.884	7.929	VV	4655	70353	4.08%	0.209%
73	7.946	7.929	7.963	VV	1180	18528	1.08%	0.055%
74	7.993	7.963	8.035	VV	21910	289164	16.79%	0.860%
75	8.047	8.035	8.062	VV	2423	30226	1.75%	0.090%
76	8.079	8.062	8.084	VV	1457	17268	1.00%	0.051%
77	8.107	8.084	8.126	VV	5883	82826	4.81%	0.246%
78	8.144	8.126	8.156	VV	3327	49302	2.86%	0.147%
79	8.163	8.156	8.188	VV	2974	43400	2.52%	0.129%
80	8.206	8.188	8.225	VV	3756	51473	2.99%	0.153%
81	8.264	8.225	8.296	VV	11186	209558	12.16%	0.623%
82	8.313	8.296	8.335	VV	5991	79632	4.62%	0.237%
83	8.363	8.335	8.368	VV	15617	149156	8.66%	0.444%
84	8.378	8.368	8.452	VV	18376	243500	14.13%	0.724%
85	8.483	8.452	8.499	VV	27033	312643	18.15%	0.930%
86	8.511	8.499	8.532	VV	17177	186292	10.81%	0.554%
87	8.559	8.532	8.583	VV	13653	190950	11.08%	0.568%
88	8.601	8.583	8.618	VV	2733	44015	2.56%	0.131%
89	8.648	8.618	8.695	VV	8742	194155	11.27%	0.578%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

90	8.721	8.695	8.739	VV	2234	41798	2.43%	0.124%
91	8.760	8.739	8.796	VV	5204	89181	5	
92	8.807	8.796	8.824	VV	1663	19941	1	
93	8.867	8.824	8.902	VV	13561	177559	10	
94	8.921	8.902	8.947	VV	1490	31331	1	
95	8.981	8.947	8.996	VV	2616	56365	3	
96	9.014	8.996	9.040	VV	5029	77047	4.47%	0.229%
97	9.099	9.040	9.120	VV	4759	131282	7.62%	0.391%
98	9.131	9.120	9.141	VV	1567	16574	0.96%	0.049%
99	9.155	9.141	9.183	VV	2026	35036	2.03%	0.104%
100	9.208	9.183	9.228	VV	6086	81214	4.71%	0.242%
101	9.243	9.228	9.265	VV	2468	35868	2.08%	0.107%
102	9.286	9.265	9.310	VV	3573	54961	3.19%	0.164%
103	9.333	9.310	9.349	VV	3113	46241	2.68%	0.138%
104	9.383	9.349	9.404	VV	10268	153958	8.94%	0.458%
105	9.420	9.404	9.464	VV	5896	87686	5.09%	0.261%
106	9.473	9.464	9.493	VV	791	12250	0.71%	0.036%
107	9.536	9.493	9.552	VV	4399	64112	3.72%	0.191%
108	9.567	9.552	9.604	VV	4021	54361	3.16%	0.162%
109	9.615	9.604	9.633	VV	598	8542	0.50%	0.025%
110	9.672	9.633	9.701	VV	4244	73592	4.27%	0.219%
111	9.717	9.701	9.734	VV	1063	15711	0.91%	0.047%
112	9.757	9.734	9.772	VV	2340	33459	1.94%	0.100%
113	9.781	9.772	9.802	VV	1551	19762	1.15%	0.059%
114	9.835	9.802	9.872	VV	3356	75451	4.38%	0.224%
115	9.882	9.872	9.893	VV	979	11905	0.69%	0.035%
116	9.906	9.893	9.919	VV	1396	17781	1.03%	0.053%
117	9.936	9.919	9.950	VV	2180	29452	1.71%	0.088%
118	9.960	9.950	9.983	VV	1991	28246	1.64%	0.084%
119	10.000	9.983	10.022	VV	950	17740	1.03%	0.053%
120	10.037	10.022	10.062	VV	1274	20242	1.18%	0.060%
121	10.079	10.062	10.105	VV	1186	24367	1.41%	0.072%
122	10.130	10.105	10.146	VV	1385	25416	1.48%	0.076%
123	10.167	10.146	10.197	VV	3932	59412	3.45%	0.177%
124	10.204	10.197	10.228	VV	693	9168	0.53%	0.027%
125	10.238	10.228	10.260	VV	438	7314	0.42%	0.022%
126	10.278	10.260	10.307	VV	725	11847	0.69%	0.035%
127	10.342	10.307	10.380	VV	1083	23042	1.34%	0.069%
128	10.396	10.390	10.425	VV	232	2338	0.14%	0.007%
129	10.444	10.425	10.461	PV	307	3364	0.20%	0.010%
130	10.501	10.477	10.526	VV	1149	15798	0.92%	0.047%
131	10.529	10.526	10.535	VV	343	1688	0.10%	0.005%
132	10.556	10.535	10.582	VV	1072	17523	1.02%	0.052%
133	10.610	10.582	10.620	VV	1273	17241	1.00%	0.051%
134	10.637	10.620	10.662	VV	2111	33148	1.92%	0.099%
135	10.680	10.662	10.729	VV	1797	28943	1.68%	0.086%
136	10.754	10.729	10.795	VV	1195	26857	1.56%	0.080%
137	10.819	10.795	10.869	VV	768	23334	1.35%	0.069%
138	10.905	10.869	10.944	VV	1447	36507	2.12%	0.109%
139	10.980	10.944	11.004	VV	1114	24473	1.42%	0.073%
140	11.010	11.004	11.022	VV	459	4057	0.24%	0.012%
141	11.036	11.022	11.051	VV	388	5247	0.30%	0.016%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

rteres

142	11.056	11.051	11.080	VV	218	2297	0.13%	0.007%
143	11.125	11.080	11.137	PV	340	6582	0	
144	11.160	11.137	11.203	VV	1564	22557	1	
145	11.239	11.203	11.280	VV	535	13872	0	
146	11.299	11.280	11.315	VV	288	4226	0	
147	11.340	11.315	11.367	VV	360	8181	0	
148	11.377	11.367	11.396	VV	297	3519	0.20%	0.010%
149	11.469	11.403	11.492	VV	773	16861	0.98%	0.050%
150	11.512	11.492	11.537	VV	558	10255	0.60%	0.031%
151	11.554	11.537	11.577	VV	663	10628	0.62%	0.032%
152	11.584	11.577	11.592	VV	373	2995	0.17%	0.009%
153	11.609	11.592	11.630	VV	836	12901	0.75%	0.038%
154	11.637	11.630	11.664	VV	428	6673	0.39%	0.020%
155	11.684	11.664	11.730	VV	580	12969	0.75%	0.039%
156	11.755	11.730	11.788	VV	302	4862	0.28%	0.014%
157	11.812	11.788	11.839	VV	439	6933	0.40%	0.021%
158	11.856	11.839	11.872	VV	223	2174	0.13%	0.006%
159	11.928	11.872	11.952	VV	10406	122127	7.09%	0.363%
160	11.964	11.952	11.980	VV	1197	13626	0.79%	0.041%
161	11.996	11.980	12.036	VV	1289	17001	0.99%	0.051%
162	12.058	12.036	12.083	VV	385	5695	0.33%	0.017%
163	12.095	12.083	12.100	VV	456	3693	0.21%	0.011%
164	12.112	12.100	12.128	VV	626	7380	0.43%	0.022%
165	12.147	12.128	12.200	VV	612	9973	0.58%	0.030%
166	12.216	12.200	12.236	VV	231	2557	0.15%	0.008%
167	12.277	12.236	12.296	VV	626	13750	0.80%	0.041%
168	12.301	12.296	12.316	VV	333	2989	0.17%	0.009%
169	12.326	12.316	12.362	VV	320	5488	0.32%	0.016%
170	12.368	12.362	12.389	VV	143	1491	0.09%	0.004%
171	12.405	12.389	12.420	VV	220	2347	0.14%	0.007%
172	12.440	12.420	12.459	VV	315	4256	0.25%	0.013%
173	12.468	12.459	12.482	VV	233	2013	0.12%	0.006%
174	12.497	12.482	12.513	VV	282	3752	0.22%	0.011%
175	12.528	12.513	12.570	VV	589	11248	0.65%	0.033%
176	12.578	12.570	12.600	VV	318	3774	0.22%	0.011%
177	12.658	12.600	12.672	VV	316	7982	0.46%	0.024%
178	12.711	12.672	12.735	VV	425	9691	0.56%	0.029%
179	12.755	12.735	12.801	VV	632	14189	0.82%	0.042%
180	12.865	12.801	12.888	VV	881	16896	0.98%	0.050%
181	12.923	12.888	12.958	VV	738	17154	1.00%	0.051%
182	12.979	12.958	13.019	VV	526	9685	0.56%	0.029%
183	13.041	13.019	13.063	VV	194	3144	0.18%	0.009%
184	13.108	13.102	13.122	VV	141	1207	0.07%	0.004%
185	13.138	13.122	13.160	VV	183	2875	0.17%	0.009%
186	13.176	13.160	13.191	VV	196	2389	0.14%	0.007%
187	13.203	13.191	13.228	VV	190	2776	0.16%	0.008%
188	13.278	13.244	13.321	VV	514	8277	0.48%	0.025%
189	13.365	13.335	13.394	VV	2755	35228	2.04%	0.105%
190	13.414	13.394	13.441	VV	226	4341	0.25%	0.013%
191	13.477	13.460	13.487	VV	183	2296	0.13%	0.007%
192	13.493	13.487	13.511	VV	197	1246	0.07%	0.004%
193	13.538	13.511	13.555	VV	399	7297	0.42%	0.022%
194	13.562	13.555	13.593	VV	285	5154	0.30%	0.015%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
195	13.608	13.593	13.633	VV	301	4766	0.28%	0.014%
196	13.676	13.633	13.689	VV	237	4388		
197	13.708	13.689	13.727	VV	298	4023		
198	13.734	13.727	13.742	VV	180	1324		
199	13.745	13.742	13.754	VV	182	1053		
200	13.776	13.754	13.802	VV	150	3558		
201	13.836	13.802	13.854	VV	195	4238	0.25%	0.013%
202	13.871	13.854	13.876	VV	294	2594	0.15%	0.008%
203	13.906	13.888	13.912	VV	131	1480	0.09%	0.004%
204	13.939	13.912	13.960	VV	265	4969	0.29%	0.015%
205	13.974	13.960	14.003	VV	376	5009	0.29%	0.015%
206	14.013	14.003	14.032	VV	222	2553	0.15%	0.008%
207	14.066	14.032	14.091	VV	317	6521	0.38%	0.019%
208	14.118	14.091	14.137	VV	386	6139	0.36%	0.018%
209	14.145	14.137	14.162	VV	248	2251	0.13%	0.007%
210	14.177	14.162	14.202	VV	131	2212	0.13%	0.007%
211	14.207	14.202	14.254	VV	174	2412	0.14%	0.007%
212	14.273	14.254	14.301	VV	90	1160	0.07%	0.003%
213	14.347	14.337	14.352	VV	163	1054	0.06%	0.003%
214	14.360	14.352	14.371	VV	158	1161	0.07%	0.003%
215	14.396	14.391	14.414	VV	136	1107	0.06%	0.003%
216	14.459	14.427	14.468	VV	133	1945	0.11%	0.006%
217	14.491	14.483	14.526	VV	153	2282	0.13%	0.007%
218	14.554	14.526	14.572	VV	206	3726	0.22%	0.011%
219	14.596	14.572	14.605	VV	188	2705	0.16%	0.008%
220	14.612	14.605	14.622	VV	118	1049	0.06%	0.003%
221	14.636	14.622	14.660	VV	108	1337	0.08%	0.004%
222	14.682	14.660	14.701	VV	345	4292	0.25%	0.013%
223	14.722	14.701	14.744	VV	153	2369	0.14%	0.007%
224	14.761	14.744	14.781	VV	110	1292	0.07%	0.004%
225	14.846	14.781	14.871	VV	247	6153	0.36%	0.018%
226	14.891	14.871	14.945	VV	93	2178	0.13%	0.006%
227	14.984	14.945	15.002	VV	107	1963	0.11%	0.006%
228	15.060	15.002	15.100	PV	201	6090	0.35%	0.018%
229	15.111	15.100	15.130	VV	90	1250	0.07%	0.004%
230	15.161	15.130	15.184	PV	314	6615	0.38%	0.020%
231	15.203	15.184	15.297	VV	480	16856	0.98%	0.050%
232	15.307	15.297	15.334	VV	166	2570	0.15%	0.008%
233	15.367	15.334	15.375	VV	162	2996	0.17%	0.009%
234	15.389	15.375	15.420	VV	256	4286	0.25%	0.013%
235	15.436	15.420	15.452	VV	131	2071	0.12%	0.006%
236	15.469	15.452	15.495	VV	143	2372	0.14%	0.007%
237	15.543	15.534	15.569	VV	107	1458	0.08%	0.004%
238	15.625	15.569	15.682	VV	369	12399	0.72%	0.037%
239	15.703	15.682	15.720	VV	210	3245	0.19%	0.010%
240	15.745	15.720	15.782	VV	271	6152	0.36%	0.018%
241	15.835	15.782	15.845	VV	137	4265	0.25%	0.013%
242	15.858	15.845	15.867	VV	132	1357	0.08%	0.004%
243	15.890	15.867	15.902	VV	134	1660	0.10%	0.005%
244	16.031	15.902	16.051	VV	199	7411	0.43%	0.022%
245	16.077	16.051	16.088	VV	152	1968	0.11%	0.006%
246	16.101	16.088	16.130	VV	149	1925	0.11%	0.006%

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-7DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

					rteres			
247	16.173	16.130	16.183	VV	208	3913	0.23%	0.012%
248	16.207	16.183	16.221	VV	192	3450		
249	16.243	16.221	16.269	VV	343	5116		
250	16.280	16.269	16.315	VV	94	1420		
251	16.380	16.329	16.417	PV	171	3884		
252	16.440	16.417	16.470	VV	109	1877		
253	16.491	16.470	16.508	VV	125	1158	0.07%	0.003%
254	16.532	16.508	16.557	VV	115	1589	0.09%	0.005%
255	16.632	16.557	16.667	PV	143	4722	0.27%	0.014%
256	16.725	16.667	16.771	PV	521	16643	0.97%	0.050%
257	16.801	16.771	16.826	VV	189	4734	0.27%	0.014%
258	16.853	16.826	16.869	VV	188	3232	0.19%	0.010%
259	16.938	16.869	16.950	VV	200	7510	0.44%	0.022%
260	16.963	16.950	16.975	VV	158	1776	0.10%	0.005%
261	17.092	16.975	17.117	VV	430	14763	0.86%	0.044%
262	17.194	17.117	17.224	VV	957	23351	1.36%	0.069%
263	17.283	17.224	17.305	VV	325	12638	0.73%	0.038%
264	17.512	17.305	17.539	VV	417	46106	2.68%	0.137%
265	17.644	17.539	17.685	VV	1302	41809	2.43%	0.124%
266	17.733	17.685	17.765	VV	344	9297	0.54%	0.028%
267	17.777	17.765	17.789	VV	114	1102	0.06%	0.003%
268	17.819	17.789	17.829	VV	103	1459	0.08%	0.004%
269	17.865	17.829	17.879	VV	110	1520	0.09%	0.005%
270	18.082	17.879	18.115	PV	1639	28044	1.63%	0.083%

Sum of corrected areas: 33613189

Aromatic EPH 110724.M Tue Nov 12 00:03:35 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	North Point			Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-8			SDG No.:	P4721
Lab Sample ID:	P4721-15			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87.2
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
11/08/24 08:47	11/08/24 18:27	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.57	J	1	0.44	1.14	mg/kg	FG014717.D
Aliphatic C12-C16	Aliphatic C12-C16	2.42		1	0.27	0.76	mg/kg	FG014717.D
Aliphatic C16-C21	Aliphatic C16-C21	1.38		1	0.34	1.14	mg/kg	FG014717.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.52	mg/kg	FG014717.D
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	1	2.06	2.29	mg/kg	FG014717.D
Aromatic C10-C12	Aromatic C10-C12	0.37	J	1	0.34	0.76	mg/kg	FF014975.D
Aromatic C12-C16	Aromatic C12-C16	3.45		1	0.39	1.14	mg/kg	FF014975.D
Aromatic C16-C21	Aromatic C16-C21	2.84		1	1.10	1.91	mg/kg	FF014975.D
Aromatic C21-C36	Aromatic C21-C36	2.29	U	1	2.29	3.05	mg/kg	FF014975.D
Total AliphaticEPH	Total AliphaticEPH	4.38	J		4.03	6.85	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.66	J		4.12	6.86	mg/kg	
Total EPH	Total EPH	11.0	J		8.15	13.7	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-8		SDG No.:	P4721	
Lab Sample ID:	P4721-15		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.2	
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
FF014975.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.37	J	0.34	0.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.45		0.39	1.14	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.84		1.10	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.29	U	2.29	3.05	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.1		40 - 140	86%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.5		40 - 140	45%	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:	P4721-15	Acq On:	08 Nov 2024 17:30
Client Sample ID:	EX-9-TPH-8	Operator:	YP\AJ
Data file:	FF014975.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.365	743031	4.807	200	ug/ml
Aromatic C12-C16	6.366	8.961	6947943	45.246	300	ug/ml
Aromatic C16-C21	8.962	13.378	5297578	37.282	500	ug/ml
Aromatic C21-C36	13.379	18.826	1979071	14.337	800	ug/ml
Aromatic EPH	4.496	18.826	14967623	101.671		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	5729888	43.06		ug/ml
2-Flurobiphenyl (SURR)	8.868	8.868	3824996	42.89		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	3308855	22.47		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014975.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 17:30
Operator : YP\AJ
Sample : P4721-15
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-8

Integration File: autoint1.e
Quant Time: Nov 09 00:27:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.993	5729888	43.055 ug/ml
Spiked Amount 50.000		Recovery =	86.11%
6) S 2-Flurobiphenyl (SURR)	8.868	3824996	42.887 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	85.77%
11) S ortho-Terphenyl (SURR)	11.929	3308855	22.465 ug/ml
Spiked Amount 50.000		Recovery =	44.93%
Target Compounds			

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

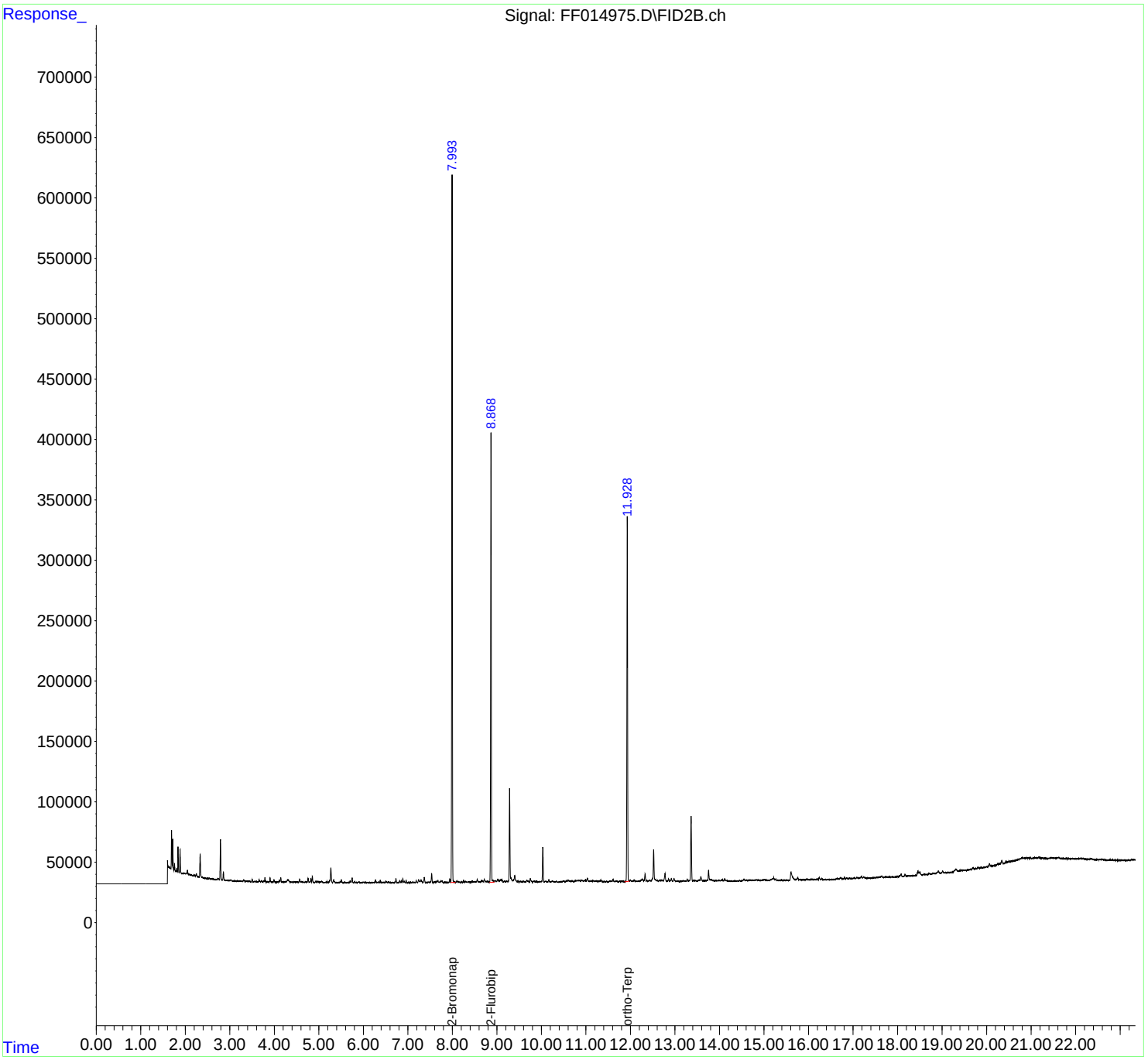
Quantitation Report (QT Reviewed)

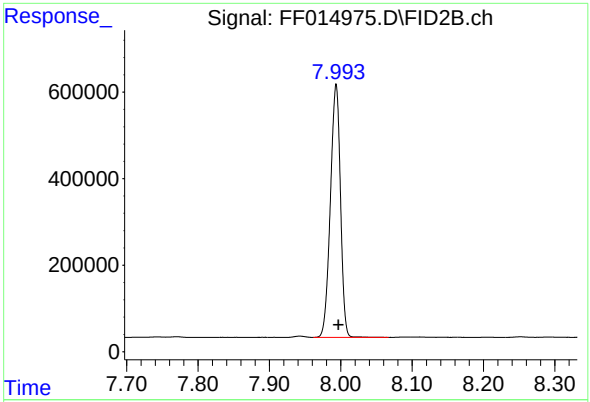
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014975.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 17:30
Operator : YP\AJ
Sample : P4721-15
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-8

Integration File: autoint1.e
Quant Time: Nov 09 00:27:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

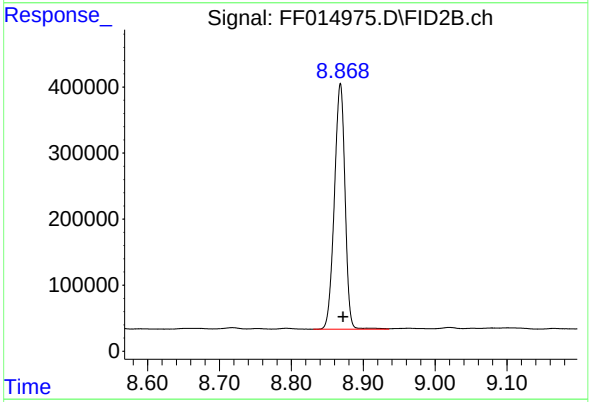




#4 2-Bromonaphthalene (SURR)

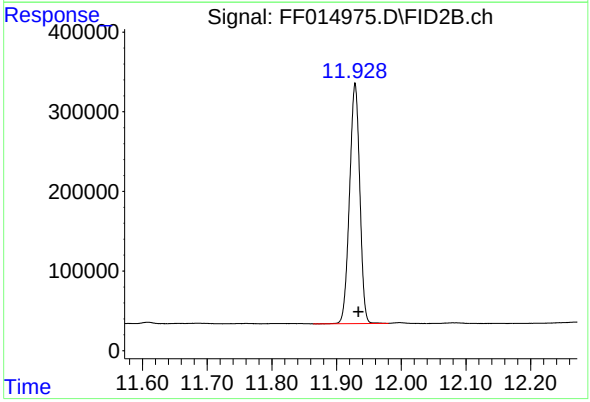
R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 5729888
Conc: 43.06 ug/ml

Instrument :
FID_F
ClientSampleId :
EX-9-TPH-8



#6 2-Flurobiphenyl (SURR)

R.T.: 8.868 min
Delta R.T.: -0.004 min
Response: 3824996
Conc: 42.89 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: -0.005 min
Response: 3308855
Conc: 22.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014975.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 17:30
Sample : P4721-15
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.431	4.422	4.450	PV	150	1800	0.03%	0.008%
2	4.460	4.450	4.470	VV	216	1994	0.03%	0.009%
3	4.514	4.470	4.542	VV	556	10475	0.18%	0.047%
4	4.570	4.542	4.594	VV	2780	30748	0.53%	0.139%
5	4.608	4.594	4.629	VV	674	7864	0.14%	0.036%
6	4.647	4.629	4.680	VV	285	4385	0.08%	0.020%
7	4.699	4.680	4.717	VV	783	8557	0.15%	0.039%
8	4.729	4.717	4.739	VV	423	3998	0.07%	0.018%
9	4.759	4.739	4.784	VV	3525	39411	0.69%	0.178%
10	4.792	4.784	4.802	VV	334	2917	0.05%	0.013%
11	4.822	4.802	4.838	VV	3334	34451	0.60%	0.156%
12	4.855	4.838	4.907	VV	5127	54629	0.95%	0.247%
13	4.931	4.907	4.945	VV	1147	13669	0.24%	0.062%
14	4.958	4.945	4.969	VV	630	7248	0.13%	0.033%
15	4.985	4.969	5.006	VV	1193	15664	0.27%	0.071%
16	5.028	5.006	5.047	VV	520	9027	0.16%	0.041%
17	5.066	5.047	5.102	VV	1076	16622	0.29%	0.075%
18	5.114	5.102	5.137	VV	334	3725	0.06%	0.017%
19	5.151	5.137	5.165	VV	338	3089	0.05%	0.014%
20	5.186	5.165	5.215	VV	819	11477	0.20%	0.052%
21	5.245	5.215	5.253	VV	2197	23187	0.40%	0.105%
22	5.271	5.253	5.304	VV	12397	147884	2.57%	0.668%
23	5.333	5.304	5.347	VV	2441	29733	0.52%	0.134%
24	5.355	5.347	5.373	VV	1013	9194	0.16%	0.042%
25	5.386	5.373	5.412	VV	302	3634	0.06%	0.016%

rteres

26	5.450	5.428	5.459	PV	221	2077	0.04%	0.009%
27	5.478	5.459	5.492	VV	719	8224	0.14%	0.037%
28	5.509	5.492	5.539	VV	2579	27661	0.48%	0.125%
29	5.567	5.539	5.594	VV	339	7053	0.12%	0.032%
30	5.599	5.594	5.639	VV	159	3077	0.05%	0.014%
31	5.650	5.639	5.655	VV	263	1819	0.03%	0.008%
32	5.667	5.655	5.685	VV	461	5519	0.10%	0.025%
33	5.703	5.685	5.719	VV	1765	19198	0.33%	0.087%
34	5.750	5.719	5.791	VV	4154	53518	0.93%	0.242%
35	5.810	5.791	5.835	VV	1121	12968	0.23%	0.059%
36	5.841	5.835	5.858	VV	197	2073	0.04%	0.009%
37	5.894	5.858	5.922	VV	813	15610	0.27%	0.070%
38	5.931	5.922	5.950	VV	262	2552	0.04%	0.012%
39	5.966	5.950	5.980	VV	285	3503	0.06%	0.016%
40	5.997	5.980	6.006	VV	709	6833	0.12%	0.031%
41	6.017	6.006	6.040	VV	797	8841	0.15%	0.040%
42	6.052	6.040	6.066	VV	435	4060	0.07%	0.018%
43	6.090	6.066	6.114	VV	340	5574	0.10%	0.025%
44	6.134	6.114	6.158	VV	184	2893	0.05%	0.013%
45	6.184	6.158	6.200	PV	376	5291	0.09%	0.024%
46	6.221	6.200	6.229	VV	335	3999	0.07%	0.018%
47	6.233	6.229	6.235	VV	308	1100	0.02%	0.005%
48	6.240	6.235	6.255	VV	367	3264	0.06%	0.015%
49	6.274	6.255	6.300	VV	2592	30605	0.53%	0.138%
50	6.312	6.300	6.321	VV	456	4601	0.08%	0.021%
51	6.335	6.321	6.358	VV	800	9530	0.17%	0.043%
52	6.379	6.358	6.402	VV	2232	24555	0.43%	0.111%
53	6.419	6.402	6.428	VV	440	5124	0.09%	0.023%
54	6.445	6.428	6.467	VV	727	10311	0.18%	0.047%
55	6.506	6.467	6.512	VV	1024	13436	0.23%	0.061%
56	6.518	6.512	6.554	VV	995	15391	0.27%	0.069%
57	6.570	6.554	6.602	VV	783	10548	0.18%	0.048%
58	6.608	6.602	6.630	VV	105	1798	0.03%	0.008%
59	6.650	6.630	6.656	VV	342	3624	0.06%	0.016%
60	6.659	6.656	6.667	VV	294	1594	0.03%	0.007%
61	6.690	6.674	6.695	VV	248	2654	0.05%	0.012%
62	6.733	6.695	6.756	VV	3486	38978	0.68%	0.176%
63	6.773	6.756	6.795	VV	460	6989	0.12%	0.032%
64	6.819	6.795	6.837	VV	1957	23388	0.41%	0.106%
65	6.855	6.837	6.870	VV	1204	14467	0.25%	0.065%
66	6.887	6.870	6.909	VV	3440	37984	0.66%	0.171%
67	6.921	6.909	6.942	VV	1120	12880	0.22%	0.058%
68	6.961	6.942	6.981	VV	1816	19658	0.34%	0.089%
69	7.015	6.981	7.034	VV	478	7826	0.14%	0.035%

rteres

70	7.062	7.034	7.086	PV	533	8643	0.15%	0.039%
71	7.114	7.086	7.126	VV	595	8402	0.15%	0.038%
72	7.139	7.126	7.164	VV	510	7042	0.12%	0.032%
73	7.186	7.164	7.218	VV	1905	24632	0.43%	0.111%
74	7.241	7.218	7.257	VV	2816	37154	0.65%	0.168%
75	7.263	7.257	7.279	VV	1392	15852	0.28%	0.072%
76	7.302	7.279	7.339	VV	2131	47090	0.82%	0.213%
77	7.369	7.339	7.419	VV	4597	67336	1.17%	0.304%
78	7.423	7.419	7.435	VV	297	2188	0.04%	0.010%
79	7.454	7.435	7.466	VV	775	9924	0.17%	0.045%
80	7.477	7.466	7.492	VV	866	9860	0.17%	0.045%
81	7.504	7.492	7.515	VV	986	9978	0.17%	0.045%
82	7.535	7.515	7.566	VV	7744	88783	1.54%	0.401%
83	7.595	7.566	7.607	VV	1098	16191	0.28%	0.073%
84	7.614	7.607	7.627	VV	962	9154	0.16%	0.041%
85	7.644	7.627	7.658	VV	1608	19126	0.33%	0.086%
86	7.674	7.658	7.702	VV	1919	28150	0.49%	0.127%
87	7.716	7.702	7.725	VV	711	8003	0.14%	0.036%
88	7.744	7.725	7.755	VV	1466	19441	0.34%	0.088%
89	7.770	7.755	7.791	VV	1868	22073	0.38%	0.100%
90	7.853	7.791	7.873	VV	505	15942	0.28%	0.072%
91	7.891	7.873	7.921	VV	492	10191	0.18%	0.046%
92	7.942	7.921	7.962	VV	3225	36122	0.63%	0.163%
93	7.994	7.962	8.072	VV	585928	5749997	100.00%	25.960%
94	8.109	8.072	8.133	VV	1179	31033	0.54%	0.140%
95	8.139	8.133	8.154	VV	605	6075	0.11%	0.027%
96	8.161	8.154	8.184	VV	530	7688	0.13%	0.035%
97	8.204	8.184	8.229	VV	677	10838	0.19%	0.049%
98	8.252	8.229	8.273	VV	1654	22701	0.39%	0.102%
99	8.291	8.273	8.327	VV	1040	21683	0.38%	0.098%
100	8.359	8.327	8.369	VV	991	18362	0.32%	0.083%
101	8.378	8.369	8.413	VV	870	14099	0.25%	0.064%
102	8.449	8.413	8.465	VV	1016	20817	0.36%	0.094%
103	8.482	8.465	8.495	VV	1117	15355	0.27%	0.069%
104	8.508	8.495	8.528	VV	961	14181	0.25%	0.064%
105	8.558	8.528	8.577	VV	2865	41240	0.72%	0.186%
106	8.591	8.577	8.624	VV	1009	20685	0.36%	0.093%
107	8.656	8.624	8.660	VV	1684	23469	0.41%	0.106%
108	8.668	8.660	8.690	VV	1679	24845	0.43%	0.112%
109	8.718	8.690	8.738	VV	2782	46077	0.80%	0.208%
110	8.753	8.738	8.772	VV	1338	20045	0.35%	0.090%
111	8.793	8.772	8.830	VV	1799	31794	0.55%	0.144%
112	8.868	8.830	8.900	VV	372941	3816910	66.38%	17.232%

rteres

113	8.908	8.900	8.936	VV	1886	34477	0.60%	0.156%
114	8.964	8.936	8.994	VV	1847	49009	0.85%	0.221%
115	9.020	8.994	9.039	VV	3045	51918	0.90%	0.234%
116	9.052	9.039	9.062	VV	1849	22238	0.39%	0.100%
117	9.079	9.062	9.090	VV	2204	33046	0.57%	0.149%
118	9.101	9.090	9.143	VV	2421	55139	0.96%	0.249%
119	9.166	9.143	9.195	VV	1574	31646	0.55%	0.143%
120	9.213	9.195	9.230	VV	1557	25160	0.44%	0.114%
121	9.242	9.230	9.255	VV	1109	15160	0.26%	0.068%
122	9.286	9.255	9.355	VV	78219	914318	15.90%	4.128%
123	9.402	9.355	9.454	VV	6118	152524	2.65%	0.689%
124	9.474	9.454	9.497	VV	1889	28837	0.50%	0.130%
125	9.524	9.497	9.552	VV	1475	29112	0.51%	0.131%
126	9.566	9.552	9.584	VV	950	14856	0.26%	0.067%
127	9.604	9.584	9.647	VV	1286	31469	0.55%	0.142%
128	9.671	9.647	9.680	VV	1843	24992	0.43%	0.113%
129	9.690	9.680	9.710	VV	1682	22907	0.40%	0.103%
130	9.716	9.710	9.728	VV	912	8794	0.15%	0.040%
131	9.752	9.728	9.799	VV	3423	66670	1.16%	0.301%
132	9.834	9.799	9.874	VV	1258	37590	0.65%	0.170%
133	9.892	9.874	9.917	VV	1254	21812	0.38%	0.098%
134	9.958	9.917	9.975	VV	962	24299	0.42%	0.110%
135	10.003	9.975	10.010	VV	1136	18287	0.32%	0.083%
136	10.032	10.010	10.059	VV	29422	312057	5.43%	1.409%
137	10.100	10.059	10.134	VV	1199	38767	0.67%	0.175%
138	10.138	10.134	10.147	VV	615	4545	0.08%	0.021%
139	10.165	10.147	10.204	VV	2492	40851	0.71%	0.184%
140	10.243	10.204	10.260	VV	1111	26225	0.46%	0.118%
141	10.265	10.260	10.300	VV	991	17941	0.31%	0.081%
142	10.315	10.300	10.323	VV	727	8850	0.15%	0.040%
143	10.339	10.323	10.375	VV	947	17870	0.31%	0.081%
144	10.443	10.375	10.459	VV	894	26281	0.46%	0.119%
145	10.488	10.459	10.525	VV	1438	40745	0.71%	0.184%
146	10.558	10.525	10.575	VV	1645	34162	0.59%	0.154%
147	10.602	10.575	10.619	VV	2092	38859	0.68%	0.175%
148	10.633	10.619	10.665	VV	1567	34695	0.60%	0.157%
149	10.685	10.665	10.705	VV	1454	28122	0.49%	0.127%
150	10.710	10.705	10.737	VV	918	15432	0.27%	0.070%
151	10.768	10.737	10.780	VV	1720	33002	0.57%	0.149%
152	10.806	10.780	10.824	VV	1657	38038	0.66%	0.172%
153	10.854	10.824	10.870	VV	1811	41569	0.72%	0.188%
154	10.905	10.870	10.940	VV	1955	62586	1.09%	0.283%
155	10.962	10.940	10.975	VV	1813	29777	0.52%	0.134%

rteres

156	10.993	10.975	11.005	VV	2438	26591	0.46%	0.120%
157	11.035	11.005	11.075	VV	3576	79639	1.39%	0.360%
158	11.081	11.075	11.084	VV	955	4979	0.09%	0.022%
159	11.122	11.084	11.140	VV	1345	37624	0.65%	0.170%
160	11.158	11.140	11.177	VV	2012	30733	0.53%	0.139%
161	11.192	11.177	11.207	VV	1154	18483	0.32%	0.083%
162	11.231	11.207	11.260	VV	1669	38597	0.67%	0.174%
163	11.273	11.260	11.286	VV	1070	14423	0.25%	0.065%
164	11.332	11.286	11.350	VV	2098	51901	0.90%	0.234%
165	11.356	11.350	11.383	VV	1121	17286	0.30%	0.078%
166	11.410	11.383	11.424	VV	838	18551	0.32%	0.084%
167	11.439	11.424	11.452	VV	777	11914	0.21%	0.054%
168	11.468	11.452	11.492	VV	913	17376	0.30%	0.078%
169	11.537	11.492	11.559	VV	1404	35981	0.63%	0.162%
170	11.578	11.559	11.590	VV	1028	16104	0.28%	0.073%
171	11.608	11.590	11.635	VV	2522	40604	0.71%	0.183%
172	11.656	11.635	11.666	VV	1072	16993	0.30%	0.077%
173	11.686	11.666	11.724	VV	1318	34635	0.60%	0.156%
174	11.760	11.724	11.784	VV	1032	28143	0.49%	0.127%
175	11.802	11.784	11.827	VV	874	20708	0.36%	0.093%
176	11.834	11.827	11.839	VV	828	6041	0.11%	0.027%
177	11.844	11.839	11.874	VV	870	14107	0.25%	0.064%
178	11.878	11.874	11.880	VV	578	2177	0.04%	0.010%
179	11.929	11.880	11.980	VV	302533	3361203	58.46%	15.175%
180	11.997	11.980	12.040	VV	2049	48076	0.84%	0.217%
181	12.080	12.040	12.105	VV	1830	51362	0.89%	0.232%
182	12.112	12.105	12.127	VV	1122	13030	0.23%	0.059%
183	12.152	12.127	12.163	VV	1019	20497	0.36%	0.093%
184	12.186	12.163	12.194	VV	1046	18521	0.32%	0.084%
185	12.271	12.194	12.296	VV	2717	104602	1.82%	0.472%
186	12.329	12.296	12.352	VV	6961	108757	1.89%	0.491%
187	12.370	12.352	12.390	VV	1799	28609	0.50%	0.129%
188	12.415	12.390	12.422	VV	1544	24097	0.42%	0.109%
189	12.436	12.422	12.461	VV	1684	34498	0.60%	0.156%
190	12.522	12.461	12.625	VV	27292	465915	8.10%	2.104%
191	12.642	12.625	12.670	VV	1501	36756	0.64%	0.166%
192	12.688	12.670	12.702	VV	1608	29243	0.51%	0.132%
193	12.705	12.702	12.737	VV	1664	29703	0.52%	0.134%
194	12.777	12.737	12.834	VV	7307	155075	2.70%	0.700%
195	12.856	12.834	12.882	VV	2320	46085	0.80%	0.208%
196	12.918	12.882	12.952	VV	3242	68653	1.19%	0.310%
197	12.979	12.952	13.030	VV	3386	78451	1.36%	0.354%
198	13.039	13.030	13.052	VV	955	11685	0.20%	0.053%
199	13.058	13.052	13.096	VB	908	21483	0.37%	0.097%

rteres

200	13.145	13.122	13.159	PV	460	6052	0.11%	0.027%
201	13.194	13.159	13.230	VV	710	21712	0.38%	0.098%
202	13.235	13.230	13.253	VV	412	3913	0.07%	0.018%
203	13.276	13.253	13.304	VV	2137	29937	0.52%	0.135%
204	13.318	13.304	13.325	VV	742	8071	0.14%	0.036%
205	13.363	13.325	13.395	VV	54106	679048	11.81%	3.066%
206	13.415	13.395	13.479	VV	830	30303	0.53%	0.137%
207	13.484	13.479	13.505	VV	489	7202	0.13%	0.033%
208	13.531	13.505	13.563	VV	1076	28791	0.50%	0.130%
209	13.584	13.563	13.631	VV	4109	68563	1.19%	0.310%
210	13.650	13.631	13.694	VV	722	21159	0.37%	0.096%
211	13.704	13.694	13.709	VV	617	4920	0.09%	0.022%
212	13.756	13.709	13.785	VV	9109	132843	2.31%	0.600%
213	13.796	13.785	13.850	VV	1502	45613	0.79%	0.206%
214	13.865	13.850	13.893	VV	888	16404	0.29%	0.074%
215	13.911	13.893	13.922	VV	681	9693	0.17%	0.044%
216	13.935	13.922	13.953	VV	714	10915	0.19%	0.049%
217	13.976	13.953	13.980	VV	884	11321	0.20%	0.051%
218	13.984	13.980	14.015	VV	836	13645	0.24%	0.062%
219	14.028	14.015	14.040	VV	683	9421	0.16%	0.043%
220	14.063	14.040	14.089	VV	1657	28202	0.49%	0.127%
221	14.117	14.089	14.166	VV	2282	42251	0.73%	0.191%
222	14.182	14.166	14.199	VV	417	5770	0.10%	0.026%
223	14.211	14.199	14.244	VV	279	5513	0.10%	0.025%
224	14.249	14.244	14.281	VV	209	2422	0.04%	0.011%
225	14.336	14.300	14.344	PV	369	5675	0.10%	0.026%
226	14.349	14.344	14.375	VV	372	5484	0.10%	0.025%
227	14.390	14.381	14.403	VV	338	3166	0.06%	0.014%
228	14.412	14.403	14.430	VV	313	3824	0.07%	0.017%
229	14.454	14.430	14.467	VV	423	6411	0.11%	0.029%
230	14.471	14.467	14.476	VV	288	1410	0.02%	0.006%
231	14.484	14.476	14.494	VV	303	2948	0.05%	0.013%
232	14.551	14.494	14.597	VV	1806	46648	0.81%	0.211%
233	14.607	14.597	14.623	VV	630	8663	0.15%	0.039%
234	14.635	14.623	14.661	VV	584	10846	0.19%	0.049%
235	14.679	14.661	14.719	VV	871	20451	0.36%	0.092%
236	14.736	14.719	14.759	VV	934	14723	0.26%	0.066%
237	14.777	14.759	14.795	VV	749	13617	0.24%	0.061%
238	14.809	14.795	14.829	VV	861	14761	0.26%	0.067%
239	14.842	14.829	14.869	VV	828	16129	0.28%	0.073%
240	14.890	14.869	14.916	VV	692	14380	0.25%	0.065%
241	14.940	14.916	14.953	VV	597	10579	0.18%	0.048%
242	15.001	14.953	15.019	VV	889	28843	0.50%	0.130%

rteres

243	15.031	15.019	15.054	VV	945	14361	0.25%	0.065%
244	15.057	15.054	15.087	VV	508	7586	0.13%	0.034%
245	15.092	15.087	15.105	VV	410	3861	0.07%	0.017%
246	15.111	15.105	15.130	VV	351	3986	0.07%	0.018%
247	15.152	15.130	15.167	VV	984	15819	0.28%	0.071%
248	15.192	15.167	15.205	VV	1756	32079	0.56%	0.145%
249	15.219	15.205	15.243	VV	2217	33320	0.58%	0.150%
250	15.265	15.243	15.294	VV	1619	24693	0.43%	0.111%
251	15.311	15.294	15.339	VV	344	6477	0.11%	0.029%
252	15.344	15.339	15.367	VV	197	2548	0.04%	0.012%
253	15.387	15.367	15.415	VV	598	9234	0.16%	0.042%
254	15.429	15.423	15.442	VV	154	1318	0.02%	0.006%
255	15.463	15.442	15.480	VV	397	4662	0.08%	0.021%
256	15.531	15.480	15.554	VV	246	5122	0.09%	0.023%
257	15.606	15.554	15.689	PV	7103	200302	3.48%	0.904%
258	15.693	15.689	15.698	VV	860	4349	0.08%	0.020%
259	15.701	15.698	15.704	VV	801	3078	0.05%	0.014%
260	15.708	15.704	15.725	VV	834	8232	0.14%	0.037%
261	15.759	15.725	15.813	VV	2106	46576	0.81%	0.210%
262	15.826	15.813	15.844	VV	454	6423	0.11%	0.029%
263	15.869	15.844	15.904	VV	525	14162	0.25%	0.064%
264	15.910	15.904	15.924	VV	443	4738	0.08%	0.021%
265	15.952	15.924	15.992	VV	802	20117	0.35%	0.091%
266	15.999	15.992	16.020	VV	357	5496	0.10%	0.025%
267	16.063	16.020	16.078	VV	696	16210	0.28%	0.073%
268	16.097	16.078	16.124	VV	633	14377	0.25%	0.065%
269	16.132	16.124	16.171	VV	513	11832	0.21%	0.053%
270	16.203	16.171	16.219	VV	921	16649	0.29%	0.075%
271	16.241	16.219	16.275	VV	2031	34607	0.60%	0.156%
272	16.280	16.275	16.281	VV	529	1924	0.03%	0.009%
273	16.294	16.281	16.324	VV	839	13858	0.24%	0.063%
274	16.334	16.324	16.368	VV	271	3768	0.07%	0.017%
275	16.372	16.368	16.392	PV	152	1168	0.02%	0.005%
276	16.418	16.392	16.424	VV	277	2747	0.05%	0.012%
277	16.427	16.424	16.438	VV	248	1991	0.03%	0.009%
278	16.442	16.438	16.455	VV	258	1997	0.03%	0.009%
279	16.460	16.455	16.512	VV	181	2877	0.05%	0.013%
280	16.528	16.512	16.534	PV	164	1592	0.03%	0.007%
281	16.582	16.554	16.587	PV	173	1825	0.03%	0.008%
282	16.592	16.587	16.601	VV	158	1034	0.02%	0.005%
283	16.635	16.601	16.662	VV	809	18490	0.32%	0.083%
284	16.667	16.662	16.672	VV	443	2357	0.04%	0.011%
285	16.715	16.672	16.784	VV	1274	44651	0.78%	0.202%

286	16.805	16.784	16.832	VV	1177	19592	0.34%	0.088%
287	16.853	16.832	16.891	VV	989	19360	0.34%	0.087%
288	16.896	16.891	16.905	VV	394	3089	0.05%	0.014%
289	16.914	16.905	16.925	VV	465	4771	0.08%	0.022%
290	16.937	16.925	16.954	VV	425	6187	0.11%	0.028%
291	16.972	16.954	16.993	VV	411	7932	0.14%	0.036%
292	17.026	16.993	17.056	VV	832	20105	0.35%	0.091%
293	17.087	17.056	17.135	VV	1184	28358	0.49%	0.128%
294	17.155	17.135	17.170	VV	949	14628	0.25%	0.066%
295	17.192	17.170	17.219	VV	1972	32640	0.57%	0.147%
296	17.241	17.219	17.259	VV	1366	19934	0.35%	0.090%
297	17.264	17.259	17.284	VV	546	6366	0.11%	0.029%
298	17.301	17.284	17.332	VV	349	7526	0.13%	0.034%
299	17.345	17.332	17.351	VV	250	2330	0.04%	0.011%
300	17.354	17.351	17.385	VV	194	2398	0.04%	0.011%
301	17.391	17.385	17.418	VV	146	1519	0.03%	0.007%
302	17.455	17.418	17.469	PV	313	6072	0.11%	0.027%
303	17.475	17.469	17.495	VV	262	3239	0.06%	0.015%
304	17.534	17.495	17.562	VV	438	11245	0.20%	0.051%
305	17.590	17.562	17.602	VV	582	11339	0.20%	0.051%
306	17.606	17.602	17.610	VV	621	2641	0.05%	0.012%
307	17.641	17.610	17.671	VV	1389	28499	0.50%	0.129%
308	17.681	17.671	17.695	VV	305	3469	0.06%	0.016%
309	17.733	17.695	17.777	VV	600	20857	0.36%	0.094%
310	17.792	17.777	17.799	VV	325	3273	0.06%	0.015%
311	17.822	17.799	17.840	VV	302	5191	0.09%	0.023%
312	17.872	17.840	17.897	VV	307	6679	0.12%	0.030%
313	17.903	17.897	17.920	VV	218	2162	0.04%	0.010%
314	17.926	17.920	17.949	VV	160	1854	0.03%	0.008%
315	17.990	17.949	18.002	PV	170	3319	0.06%	0.015%
316	18.051	18.002	18.057	VV	819	14949	0.26%	0.067%
317	18.079	18.057	18.110	VV	2248	35001	0.61%	0.158%
318	18.122	18.110	18.127	PV	143	1156	0.02%	0.005%
319	18.168	18.127	18.199	VV	1928	30469	0.53%	0.138%
320	18.224	18.199	18.250	VV	364	7847	0.14%	0.035%
321	18.263	18.250	18.290	VV	338	4397	0.08%	0.020%
322	18.324	18.290	18.335	VV	228	3945	0.07%	0.018%
323	18.356	18.335	18.383	VV	294	5300	0.09%	0.024%
324	18.407	18.383	18.421	PV	412	4406	0.08%	0.020%
325	18.457	18.421	18.483	PV	3404	74189	1.29%	0.335%
326	18.501	18.483	18.533	VV	2904	53928	0.94%	0.243%
327	18.542	18.533	18.550	VV	394	3696	0.06%	0.017%
328	18.559	18.550	18.572	VV	372	3920	0.07%	0.018%
329	18.596	18.572	18.621	VV	803	14474	0.25%	0.065%

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330	18.630	18.621	18.659	VV	411	6047	0.11%	0.027%
331	18.712	18.680	18.736	PV	1026	12771	0.22%	0.058%

Sum of corrected areas: 22149529

Aromatic EPH 110724.M Sat Nov 09 05:37:32 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-8		SDG No.:	P4721	
Lab Sample ID:	P4721-15		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.2	
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
FG014717.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.57	J	0.44	1.14	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.42		0.27	0.76	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	1.38		0.34	1.14	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	0.92	1.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4721-15	Acq On:	08 Nov 2024 18:27
Client Sample ID:	EX-9-TPH-8	Operator:	YP\AJ
Data file:	FG014717.D	Misc:	
Instrument:	FID_G	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.844	989774	7.536	300	ug/ml
Aliphatic C12-C16	6.845	10.289	4310591	31.737	200	ug/ml
Aliphatic C16-C21	10.290	13.661	2552299	18.069	300	ug/ml
Aliphatic C21-C28	13.662	17.327	766269	5.451	400	ug/ml
Aliphatic C28-C40	17.328	22.264	2681886	25.376	600	ug/ml
Aliphatic EPH	3.223	22.264	11300819	88.169		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	3447930	28.08		ug/ml
Aliphatic C9-C28	3.223	17.327	8618933	62.793	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014717.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 18:27
Operator : YP\AJ
Sample : P4721-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-8

Integration File: autoint1.e
Quant Time: Nov 09 03:41:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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...	13.391	3447930	28.080 ug/ml
Spiked Amount 50.000		Recovery = 56.16%	
Target Compounds			

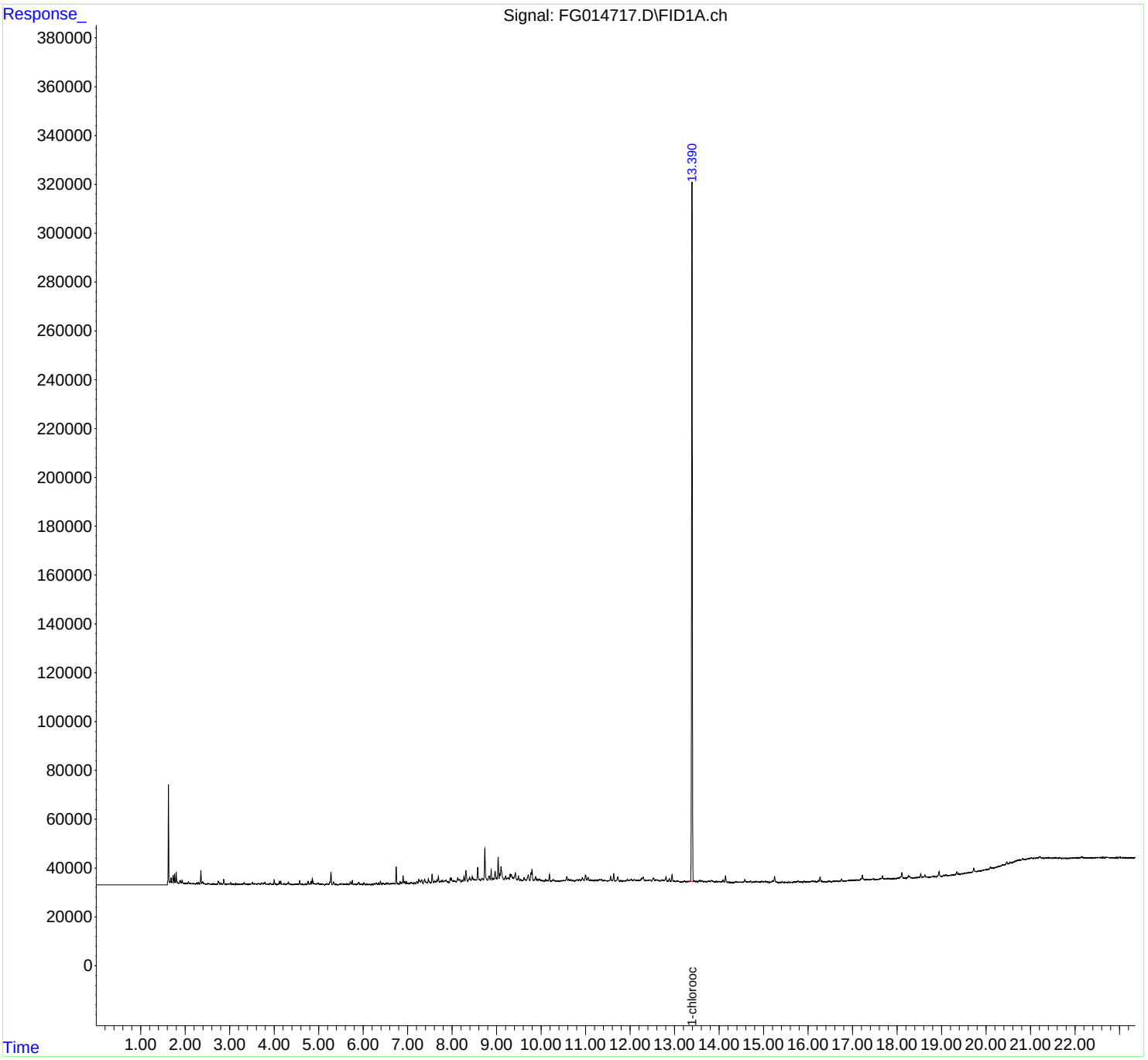
(f)=RT Delta > 1/2 Window (m)=manual int.

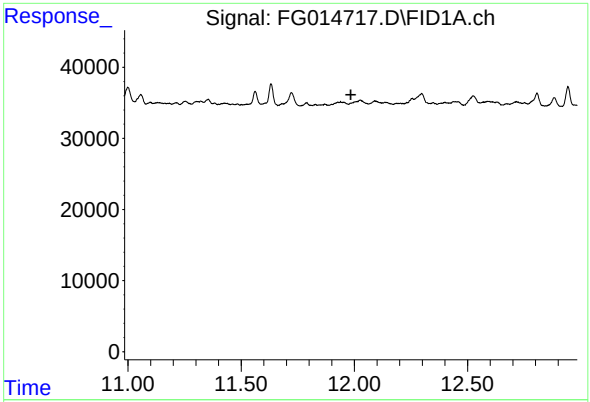
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014717.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 18:27
Operator : YP\AJ
Sample : P4721-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-8

Integration File: autoint1.e
Quant Time: Nov 09 03:41:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

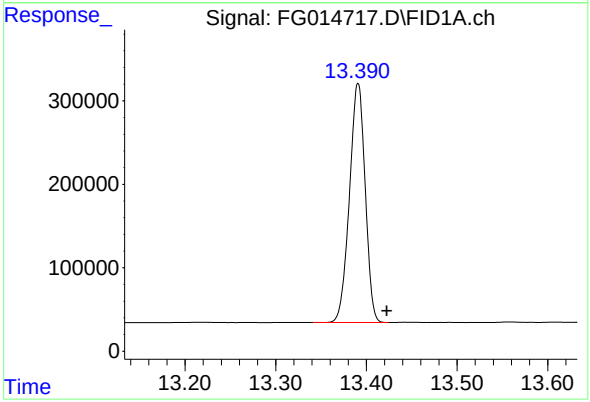




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.984 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-8



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.032 min
Response: 3447930
Conc: 28.08 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014717.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 18:27
Sample : P4721-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	2.638	2.602	2.719	BV	422	7396	0.21%	0.050%
2	2.745	2.719	2.783	PV	1392	23795	0.68%	0.160%
3	2.803	2.783	2.839	VV	688	9614	0.28%	0.065%
4	2.868	2.839	2.903	VV	2109	26223	0.75%	0.176%
5	2.911	2.903	2.924	VV	90	630	0.02%	0.004%
6	2.963	2.924	2.987	VV	378	6870	0.20%	0.046%
7	3.020	2.987	3.045	VV	862	10100	0.29%	0.068%
8	3.067	3.045	3.082	VV	169	2563	0.07%	0.017%
9	3.108	3.082	3.122	VV	265	4104	0.12%	0.028%
10	3.149	3.122	3.182	VV	339	6648	0.19%	0.045%
11	3.198	3.182	3.229	VV	176	3929	0.11%	0.026%
12	3.241	3.229	3.262	VV	154	2646	0.08%	0.018%
13	3.325	3.262	3.372	VV	696	18049	0.52%	0.121%
14	3.383	3.372	3.418	VV	186	4047	0.12%	0.027%
15	3.470	3.418	3.482	VV	279	7893	0.23%	0.053%
16	3.511	3.482	3.529	VV	975	13347	0.38%	0.090%
17	3.538	3.529	3.550	VV	353	4037	0.12%	0.027%
18	3.566	3.550	3.589	VV	423	6895	0.20%	0.046%
19	3.600	3.589	3.625	VV	202	4039	0.12%	0.027%
20	3.639	3.625	3.649	VV	555	5684	0.16%	0.038%
21	3.660	3.649	3.691	VV	530	8394	0.24%	0.056%
22	3.721	3.691	3.749	VV	790	15521	0.45%	0.104%
23	3.771	3.749	3.783	VV	827	11237	0.32%	0.076%
24	3.797	3.783	3.823	VV	973	12187	0.35%	0.082%
25	3.853	3.823	3.892	VV	335	8841	0.25%	0.059%
26	3.912	3.892	3.949	VV	739	10293	0.30%	0.069%
27	3.961	3.949	3.978	VV	205	2542	0.07%	0.017%
28	4.001	3.978	4.069	VV	2120	30631	0.88%	0.206%
29	4.117	4.069	4.133	VV	1393	18751	0.54%	0.126%
30	4.149	4.133	4.172	VV	1477	16677	0.48%	0.112%
31	4.186	4.172	4.204	VV	282	4016	0.12%	0.027%
32	4.226	4.204	4.246	VV	576	7499	0.22%	0.050%
33	4.319	4.246	4.337	VV	1193	23146	0.67%	0.156%
34	4.346	4.337	4.369	VV	417	6163	0.18%	0.041%
35	4.382	4.369	4.401	VV	301	4429	0.13%	0.030%
36	4.413	4.401	4.450	VV	180	3935	0.11%	0.026%

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37	4.471	4.450	4.493	VV	368	6045	0.17%	0.041%
38	4.515	4.493	4.539	VV	409	6776	0.19%	0.046%
39	4.574	4.539	4.626	VV	1747	24759	0.71%	0.166%
40	4.647	4.626	4.671	VV	213	3820	0.11%	0.026%
41	4.702	4.671	4.720	VV	449	6991	0.20%	0.047%
42	4.763	4.720	4.784	VV	1542	22863	0.66%	0.154%
43	4.793	4.784	4.807	VV	425	5528	0.16%	0.037%
44	4.825	4.807	4.841	VV	1485	17043	0.49%	0.115%
45	4.858	4.841	4.909	VV	2711	39244	1.13%	0.264%
46	4.916	4.909	4.952	VV	524	10398	0.30%	0.070%
47	4.990	4.952	5.018	VV	779	17636	0.51%	0.119%
48	5.036	5.018	5.055	VV	535	8622	0.25%	0.058%
49	5.087	5.055	5.126	VV	500	11851	0.34%	0.080%
50	5.152	5.126	5.172	VV	229	4777	0.14%	0.032%
51	5.188	5.172	5.209	VV	588	8714	0.25%	0.059%
52	5.220	5.209	5.227	VV	262	2655	0.08%	0.018%
53	5.250	5.227	5.258	VV	1298	13714	0.39%	0.092%
54	5.276	5.258	5.306	VV	5176	62882	1.81%	0.423%
55	5.337	5.306	5.372	VV	1275	21859	0.63%	0.147%
56	5.393	5.372	5.427	VV	501	8291	0.24%	0.056%
57	5.487	5.427	5.505	PV	542	12299	0.35%	0.083%
58	5.518	5.505	5.542	VV	667	9223	0.27%	0.062%
59	5.553	5.542	5.568	VV	298	3921	0.11%	0.026%
60	5.584	5.568	5.642	VV	465	12599	0.36%	0.085%
61	5.653	5.642	5.664	VV	286	3323	0.10%	0.022%
62	5.676	5.664	5.691	VV	328	3775	0.11%	0.025%
63	5.712	5.691	5.738	VV	1345	20636	0.59%	0.139%
64	5.756	5.738	5.779	VV	1946	21783	0.63%	0.146%
65	5.790	5.779	5.798	VV	225	2318	0.07%	0.016%
66	5.815	5.798	5.850	VV	546	9204	0.26%	0.062%
67	5.898	5.850	5.949	VV	1036	27075	0.78%	0.182%
68	5.975	5.949	5.992	VV	421	7095	0.20%	0.048%
69	6.019	5.992	6.056	VV	952	17609	0.51%	0.118%
70	6.081	6.056	6.115	VV	506	9342	0.27%	0.063%
71	6.145	6.115	6.167	VV	399	6306	0.18%	0.042%
72	6.192	6.167	6.210	PV	451	5710	0.16%	0.038%
73	6.245	6.210	6.262	VV	665	10567	0.30%	0.071%
74	6.296	6.262	6.323	VV	746	18384	0.53%	0.124%
75	6.343	6.323	6.364	VV	827	11812	0.34%	0.079%
76	6.388	6.364	6.412	VV	1477	20365	0.59%	0.137%
77	6.452	6.412	6.492	VV	772	22346	0.64%	0.150%
78	6.532	6.492	6.555	VV	837	20703	0.60%	0.139%
79	6.570	6.555	6.596	VV	527	9830	0.28%	0.066%
80	6.618	6.596	6.642	VV	627	12597	0.36%	0.085%
81	6.691	6.642	6.718	VV	600	22137	0.64%	0.149%
82	6.742	6.718	6.770	VV	7384	82133	2.36%	0.552%
83	6.785	6.770	6.809	VV	643	11128	0.32%	0.075%
84	6.831	6.809	6.852	VV	1340	20187	0.58%	0.136%
85	6.868	6.852	6.879	VV	1009	12714	0.37%	0.085%
86	6.898	6.879	6.919	VV	3650	45067	1.30%	0.303%
87	6.934	6.919	6.955	VV	1442	19543	0.56%	0.131%
88	6.972	6.955	6.994	VV	1355	18407	0.53%	0.124%
89	7.028	6.994	7.047	VV	655	17346	0.50%	0.117%

90	7.075	7.047	7.099	VV	1084	23240	0.67%	0.156%
91	7.111	7.099	7.127	VV	789	11095	0.32%	0.075%
92	7.146	7.127	7.169	VV	879	17971	0.52%	0.121%
93	7.206	7.169	7.231	VV	1402	33335	0.96%	0.224%
94	7.252	7.231	7.269	VV	2290	35481	1.02%	0.238%
95	7.277	7.269	7.291	VV	1557	18260	0.53%	0.123%
96	7.316	7.291	7.345	VV	2046	43828	1.26%	0.295%
97	7.382	7.345	7.403	VV	2182	48057	1.38%	0.323%
98	7.416	7.403	7.445	VV	1168	22920	0.66%	0.154%
99	7.466	7.445	7.507	VV	2564	51603	1.48%	0.347%
100	7.520	7.507	7.528	VV	916	10363	0.30%	0.070%
101	7.549	7.528	7.582	VV	4332	71081	2.04%	0.478%
102	7.609	7.582	7.629	VV	1415	32234	0.93%	0.217%
103	7.656	7.629	7.670	VV	1961	34903	1.00%	0.235%
104	7.691	7.670	7.714	VV	3384	52784	1.52%	0.355%
105	7.757	7.714	7.769	VV	1599	42424	1.22%	0.285%
106	7.784	7.769	7.802	VV	1891	28756	0.83%	0.193%
107	7.822	7.802	7.832	VV	1433	24236	0.70%	0.163%
108	7.865	7.832	7.893	VV	1830	54019	1.55%	0.363%
109	7.908	7.893	7.932	VV	1170	23124	0.67%	0.155%
110	7.957	7.932	7.970	VV	2756	40669	1.17%	0.273%
111	7.983	7.970	8.019	VV	2751	54321	1.56%	0.365%
112	8.036	8.019	8.051	VV	1665	27986	0.80%	0.188%
113	8.072	8.051	8.094	VV	1368	32759	0.94%	0.220%
114	8.127	8.094	8.144	VV	2782	57697	1.66%	0.388%
115	8.156	8.144	8.198	VV	2032	55143	1.59%	0.371%
116	8.224	8.198	8.242	VV	1717	36662	1.05%	0.246%
117	8.267	8.242	8.287	VV	3281	57594	1.66%	0.387%
118	8.310	8.287	8.351	VV	5656	115527	3.32%	0.776%
119	8.394	8.351	8.428	VV	3010	95393	2.74%	0.641%
120	8.453	8.428	8.512	VV	3186	112649	3.24%	0.757%
121	8.527	8.512	8.548	VV	1926	38845	1.12%	0.261%
122	8.575	8.548	8.640	VV	6905	159178	4.58%	1.070%
123	8.667	8.640	8.704	VV	2480	82027	2.36%	0.551%
124	8.736	8.704	8.796	VV	14567	260864	7.50%	1.753%
125	8.831	8.796	8.855	VV	3395	91914	2.64%	0.618%
126	8.878	8.855	8.899	VV	6012	88442	2.54%	0.594%
127	8.916	8.899	8.942	VV	2408	57875	1.66%	0.389%
128	8.967	8.942	8.990	VV	5152	102891	2.96%	0.691%
129	9.035	8.990	9.057	VV	11055	189908	5.46%	1.276%
130	9.100	9.057	9.160	VV	7254	247046	7.10%	1.660%
131	9.204	9.160	9.222	VV	3391	92844	2.67%	0.624%
132	9.237	9.222	9.244	VV	2435	29827	0.86%	0.200%
133	9.261	9.244	9.284	VV	2723	57244	1.65%	0.385%
134	9.303	9.284	9.315	VV	4151	60399	1.74%	0.406%
135	9.329	9.315	9.355	VV	3899	79242	2.28%	0.533%
136	9.365	9.355	9.379	VV	2800	38145	1.10%	0.256%
137	9.421	9.379	9.458	VV	4704	142236	4.09%	0.956%
138	9.491	9.458	9.521	VV	3317	84004	2.42%	0.565%
139	9.540	9.521	9.571	VV	2097	49591	1.43%	0.333%
140	9.619	9.571	9.672	VV	2677	110065	3.17%	0.740%
141	9.712	9.672	9.745	VV	3874	111520	3.21%	0.749%

142	9.773	9.745	9.782	VV	4742	68440	1.97%	0.460%
143	9.796	9.782	9.832	VV	5983	99410	2.86%	0.668%
144	9.876	9.832	9.897	VV	3019	81626	2.35%	0.549%
145	9.910	9.897	9.926	VV	2117	32821	0.94%	0.221%
146	9.941	9.926	9.952	VV	1891	26746	0.77%	0.180%
147	9.965	9.952	9.988	VV	2073	37620	1.08%	0.253%
148	10.001	9.988	10.015	VV	1609	24439	0.70%	0.164%
149	10.021	10.015	10.041	VV	1454	20474	0.59%	0.138%
150	10.056	10.041	10.085	VV	1500	34820	1.00%	0.234%
151	10.104	10.085	10.122	VV	1824	32714	0.94%	0.220%
152	10.150	10.122	10.165	VV	1506	35438	1.02%	0.238%
153	10.186	10.165	10.215	VV	3930	65794	1.89%	0.442%
154	10.268	10.215	10.337	VV	1634	96951	2.79%	0.652%
155	10.355	10.337	10.422	VV	1366	59580	1.71%	0.400%
156	10.462	10.422	10.478	VV	1352	42048	1.21%	0.283%
157	10.512	10.478	10.522	VV	1516	35612	1.02%	0.239%
158	10.577	10.522	10.599	VV	2973	84345	2.43%	0.567%
159	10.618	10.599	10.639	VV	1826	38006	1.09%	0.255%
160	10.669	10.639	10.709	VV	1717	60268	1.73%	0.405%
161	10.725	10.709	10.757	VV	1490	36403	1.05%	0.245%
162	10.791	10.757	10.803	VV	1536	37261	1.07%	0.250%
163	10.824	10.803	10.842	VV	1664	35903	1.03%	0.241%
164	10.862	10.842	10.891	VV	1838	46200	1.33%	0.310%
165	10.927	10.891	10.965	VV	2608	80458	2.31%	0.541%
166	11.000	10.965	11.032	VV	3623	92289	2.65%	0.620%
167	11.056	11.032	11.080	VV	2581	57124	1.64%	0.384%
168	11.098	11.080	11.112	VV	1501	26653	0.77%	0.179%
169	11.131	11.112	11.170	VV	1434	47599	1.37%	0.320%
170	11.181	11.170	11.193	VV	1363	18535	0.53%	0.125%
171	11.213	11.193	11.229	VV	1413	28285	0.81%	0.190%
172	11.253	11.229	11.280	VV	1613	42972	1.24%	0.289%
173	11.304	11.280	11.315	VV	1580	30848	0.89%	0.207%
174	11.322	11.315	11.334	VV	1630	17592	0.51%	0.118%
175	11.354	11.334	11.373	VV	1910	37997	1.09%	0.255%
176	11.382	11.373	11.395	VV	1373	16800	0.48%	0.113%
177	11.427	11.395	11.452	VV	1325	42393	1.22%	0.285%
178	11.462	11.452	11.472	VV	1217	13669	0.39%	0.092%
179	11.484	11.472	11.507	VV	1216	24195	0.70%	0.163%
180	11.562	11.507	11.589	VV	2984	78178	2.25%	0.525%
181	11.632	11.589	11.663	VV	4035	86451	2.49%	0.581%
182	11.722	11.663	11.760	VV	2791	90319	2.60%	0.607%
183	11.789	11.760	11.814	VV	1333	35325	1.02%	0.237%
184	11.827	11.814	11.849	VV	1114	21464	0.62%	0.144%
185	11.870	11.849	11.889	VV	1161	25332	0.73%	0.170%
186	11.939	11.889	11.974	VV	1502	64961	1.87%	0.437%
187	12.026	11.974	12.063	VV	1717	74754	2.15%	0.502%
188	12.090	12.063	12.125	VV	1593	51729	1.49%	0.348%
189	12.136	12.125	12.171	VV	1393	34816	1.00%	0.234%
190	12.187	12.171	12.219	VV	1244	34143	0.98%	0.229%
191	12.297	12.219	12.339	VV	2606	124572	3.58%	0.837%
192	12.348	12.339	12.366	VV	1329	19528	0.56%	0.131%
193	12.399	12.366	12.421	VV	1352	41068	1.18%	0.276%
194	12.444	12.421	12.485	VV	1440	49362	1.42%	0.332%

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195	12.525	12.485	12.557	VV	2245	69030	1.99%	0.464%
196	12.590	12.557	12.659	VV	1453	79416	2.28%	0.534%
197	12.673	12.659	12.686	VV	1127	17241	0.50%	0.116%
198	12.716	12.686	12.742	VV	1418	42086	1.21%	0.283%
199	12.751	12.742	12.766	VV	1273	17291	0.50%	0.116%
200	12.806	12.766	12.842	VV	2586	67453	1.94%	0.453%
201	12.883	12.842	12.919	VV	1959	52434	1.51%	0.352%
202	12.943	12.919	12.980	VV	3511	63177	1.82%	0.425%
203	12.992	12.980	13.019	VV	948	19806	0.57%	0.133%
204	13.056	13.019	13.080	VV	1053	31588	0.91%	0.212%
205	13.089	13.080	13.155	VV	780	26947	0.77%	0.181%
206	13.162	13.155	13.175	VV	540	5943	0.17%	0.040%
207	13.216	13.175	13.256	VV	924	32932	0.95%	0.221%
208	13.270	13.256	13.287	VV	709	11337	0.33%	0.076%
209	13.311	13.287	13.322	VV	731	13098	0.38%	0.088%
210	13.341	13.322	13.351	VV	726	11870	0.34%	0.080%
211	13.391	13.351	13.425	VV	288871	3477298	100.00%	23.369%
212	13.444	13.425	13.472	VV	845	20904	0.60%	0.140%
213	13.491	13.472	13.510	VV	766	14880	0.43%	0.100%
214	13.558	13.510	13.589	VV	1191	37509	1.08%	0.252%
215	13.607	13.589	13.659	VV	990	32320	0.93%	0.217%
216	13.673	13.659	13.705	VV	681	16536	0.48%	0.111%
217	13.723	13.705	13.741	VV	671	12401	0.36%	0.083%
218	13.775	13.741	13.802	VV	863	26165	0.75%	0.176%
219	13.829	13.802	13.889	VV	994	38336	1.10%	0.258%
220	13.900	13.889	13.914	VV	567	7594	0.22%	0.051%
221	13.935	13.914	13.969	VV	641	17157	0.49%	0.115%
222	13.996	13.969	14.032	VV	656	20397	0.59%	0.137%
223	14.059	14.032	14.072	VV	598	12443	0.36%	0.084%
224	14.091	14.072	14.119	VV	1375	22748	0.65%	0.153%
225	14.144	14.119	14.186	VV	2928	45899	1.32%	0.308%
226	14.203	14.186	14.220	VV	439	7020	0.20%	0.047%
227	14.236	14.220	14.336	VV	324	15231	0.44%	0.102%
228	14.376	14.336	14.415	VV	497	15487	0.45%	0.104%
229	14.424	14.415	14.428	VV	320	2341	0.07%	0.016%
230	14.436	14.428	14.459	VV	332	5519	0.16%	0.037%
231	14.473	14.459	14.522	VV	316	10255	0.29%	0.069%
232	14.534	14.522	14.545	VV	399	4696	0.14%	0.032%
233	14.580	14.545	14.628	VV	1296	29504	0.85%	0.198%
234	14.658	14.628	14.684	VV	482	12434	0.36%	0.084%
235	14.706	14.684	14.748	VV	770	14963	0.43%	0.101%
236	14.777	14.748	14.789	VV	439	8282	0.24%	0.056%
237	14.837	14.789	14.889	VV	541	24747	0.71%	0.166%
238	14.904	14.889	14.925	VV	357	6782	0.20%	0.046%
239	14.963	14.925	14.990	VV	621	14932	0.43%	0.100%
240	15.027	14.990	15.042	VV	543	12178	0.35%	0.082%
241	15.058	15.042	15.082	VV	504	8762	0.25%	0.059%
242	15.096	15.082	15.152	VV	289	7998	0.23%	0.054%
243	15.204	15.152	15.221	VV	881	17064	0.49%	0.115%
244	15.247	15.221	15.351	VV	2567	46290	1.33%	0.311%
245	15.369	15.351	15.399	PV	136	2000	0.06%	0.013%
246	15.422	15.399	15.442	VV	178	3203	0.09%	0.022%

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247	15.451	15.442	15.479	VV	154	1768	0.05%	0.012%
248	15.495	15.479	15.542	PV	121	2238	0.06%	0.015%
249	15.560	15.542	15.617	VV	167	3731	0.11%	0.025%
250	15.625	15.617	15.644	VV	95	875	0.03%	0.006%
251	15.680	15.644	15.713	PV	267	6032	0.17%	0.041%
252	15.737	15.713	15.748	VV	215	3846	0.11%	0.026%
253	15.769	15.748	15.882	VV	780	18132	0.52%	0.122%
254	15.911	15.882	15.930	VV	394	5979	0.17%	0.040%
255	15.990	15.930	16.025	VV	292	10289	0.30%	0.069%
256	16.037	16.025	16.051	VV	157	2278	0.07%	0.015%
257	16.088	16.051	16.118	VV	403	12795	0.37%	0.086%
258	16.133	16.118	16.209	VV	405	11308	0.33%	0.076%
259	16.230	16.209	16.249	VV	766	10099	0.29%	0.068%
260	16.270	16.249	16.352	VV	2105	38061	1.09%	0.256%
261	16.366	16.352	16.392	VV	142	1543	0.04%	0.010%
262	16.415	16.392	16.439	PV	120	2108	0.06%	0.014%
263	16.480	16.439	16.516	VV	387	9066	0.26%	0.061%
264	16.575	16.516	16.595	PV	202	5104	0.15%	0.034%
265	16.617	16.595	16.684	VV	192	6183	0.18%	0.042%
266	16.754	16.684	16.799	VV	997	18277	0.53%	0.123%
267	16.805	16.799	16.819	VV	100	816	0.02%	0.005%
268	16.842	16.819	16.855	VV	142	2264	0.07%	0.015%
269	16.922	16.855	16.940	VV	313	9750	0.28%	0.066%
270	16.971	16.940	16.981	VV	329	6948	0.20%	0.047%
271	16.992	16.981	17.006	VV	279	3608	0.10%	0.024%
272	17.024	17.006	17.042	VV	236	4493	0.13%	0.030%
273	17.087	17.042	17.142	VV	295	13000	0.37%	0.087%
274	17.186	17.142	17.196	VV	688	12235	0.35%	0.082%
275	17.220	17.196	17.302	VV	2147	45635	1.31%	0.307%
276	17.322	17.302	17.362	VV	321	8444	0.24%	0.057%
277	17.468	17.362	17.507	VV	554	20890	0.60%	0.140%
278	17.566	17.507	17.586	VV	199	6579	0.19%	0.044%
279	17.672	17.586	17.695	VV	1473	34104	0.98%	0.229%
280	17.709	17.695	17.734	VV	422	6003	0.17%	0.040%
281	17.792	17.734	17.819	VV	529	14315	0.41%	0.096%
282	17.878	17.819	17.917	VV	271	9586	0.28%	0.064%
283	17.966	17.917	17.989	VV	278	7525	0.22%	0.051%
284	18.014	17.989	18.036	VV	461	9317	0.27%	0.063%
285	18.108	18.036	18.138	VV	2484	55943	1.61%	0.376%
286	18.150	18.138	18.172	VV	309	4343	0.12%	0.029%
287	18.186	18.172	18.211	VV	175	3020	0.09%	0.020%
288	18.259	18.211	18.338	VV	1091	33187	0.95%	0.223%
289	18.360	18.338	18.376	VV	169	2124	0.06%	0.014%
290	18.456	18.376	18.472	PV	393	10181	0.29%	0.068%
291	18.484	18.472	18.506	VV	236	4074	0.12%	0.027%
292	18.532	18.506	18.560	VV	1697	22571	0.65%	0.152%
293	18.590	18.560	18.603	PV	440	6796	0.20%	0.046%
294	18.626	18.603	18.650	VV	1118	17636	0.51%	0.119%
295	18.661	18.650	18.689	VV	304	5098	0.15%	0.034%
296	18.696	18.689	18.719	VV	153	1554	0.04%	0.010%
297	18.789	18.719	18.859	VV	286	11406	0.33%	0.077%
298	18.943	18.859	18.985	PV	1873	35745	1.03%	0.240%
299	18.993	18.985	19.016	VV	108	1200	0.03%	0.008%

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300	19.049	19.016	19.075	PV	479	7977	0.23%	0.054%
301	19.098	19.075	19.125	VV	397	6915	0.20%	0.046%
302	19.146	19.125	19.157	VV	110	1557	0.04%	0.010%
303	19.197	19.157	19.215	PV	117	2181	0.06%	0.015%
304	19.265	19.215	19.283	VV	105	3104	0.09%	0.021%
305	19.340	19.283	19.364	PV	1153	17767	0.51%	0.119%
306	19.380	19.364	19.416	VV	354	4700	0.14%	0.032%
307	19.446	19.416	19.472	PV	245	4153	0.12%	0.028%
308	19.525	19.472	19.547	VV	228	5811	0.17%	0.039%
309	19.587	19.547	19.605	VV	265	5911	0.17%	0.040%
310	19.727	19.605	19.792	VV	1601	51244	1.47%	0.344%
311	19.860	19.792	19.885	VV	453	18224	0.52%	0.122%
312	19.967	19.885	19.982	VV	543	23864	0.69%	0.160%
313	20.103	19.982	20.127	VV	1407	62040	1.78%	0.417%
314	20.159	20.127	20.182	VV	904	27090	0.78%	0.182%
315	20.282	20.182	20.305	VV	1204	75405	2.17%	0.507%
316	20.372	20.305	20.402	VV	1735	81093	2.33%	0.545%
317	20.467	20.402	20.492	VV	2590	100555	2.89%	0.676%
318	20.752	20.492	20.769	VV	2693	379651	10.92%	2.551%
319	20.824	20.769	20.882	VV	3070	186839	5.37%	1.256%
320	20.950	20.882	20.965	VV	2833	136401	3.92%	0.917%
321	21.014	20.965	21.042	VV	2949	129716	3.73%	0.872%
322	21.077	21.042	21.099	VV	2678	89951	2.59%	0.605%
323	21.211	21.099	21.279	VV	3031	278366	8.01%	1.871%
324	21.391	21.279	21.422	VV	2051	178329	5.13%	1.198%
325	21.433	21.422	21.522	VV	1922	105710	3.04%	0.710%
326	21.558	21.522	21.577	VV	1672	53479	1.54%	0.359%
327	21.591	21.577	21.624	VV	1561	40644	1.17%	0.273%
328	21.657	21.624	21.696	VV	1513	58855	1.69%	0.396%
329	21.707	21.696	21.725	VV	1148	19362	0.56%	0.130%
330	21.734	21.725	21.742	VV	1101	10818	0.31%	0.073%
331	21.756	21.742	21.775	VV	1065	20000	0.58%	0.134%
332	21.786	21.775	21.808	VV	990	18402	0.53%	0.124%
333	21.817	21.808	21.847	VV	936	19943	0.57%	0.134%
334	21.866	21.847	21.882	VV	801	16192	0.47%	0.109%
335	21.890	21.882	21.905	VV	786	10322	0.30%	0.069%
336	21.930	21.905	21.942	VV	678	14968	0.43%	0.101%
337	21.985	21.942	22.022	VV	652	29210	0.84%	0.196%
338	22.030	22.022	22.038	VV	618	5463	0.16%	0.037%
339	22.055	22.038	22.085	VV	538	13800	0.40%	0.093%
340	22.092	22.085	22.105	VV	402	4585	0.13%	0.031%
341	22.146	22.105	22.252	VBA	673	38092	1.10%	0.256%

Sum of corrected areas: 14879985

Aliphatic EPH 102124.M Sat Nov 09 05:19:23 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

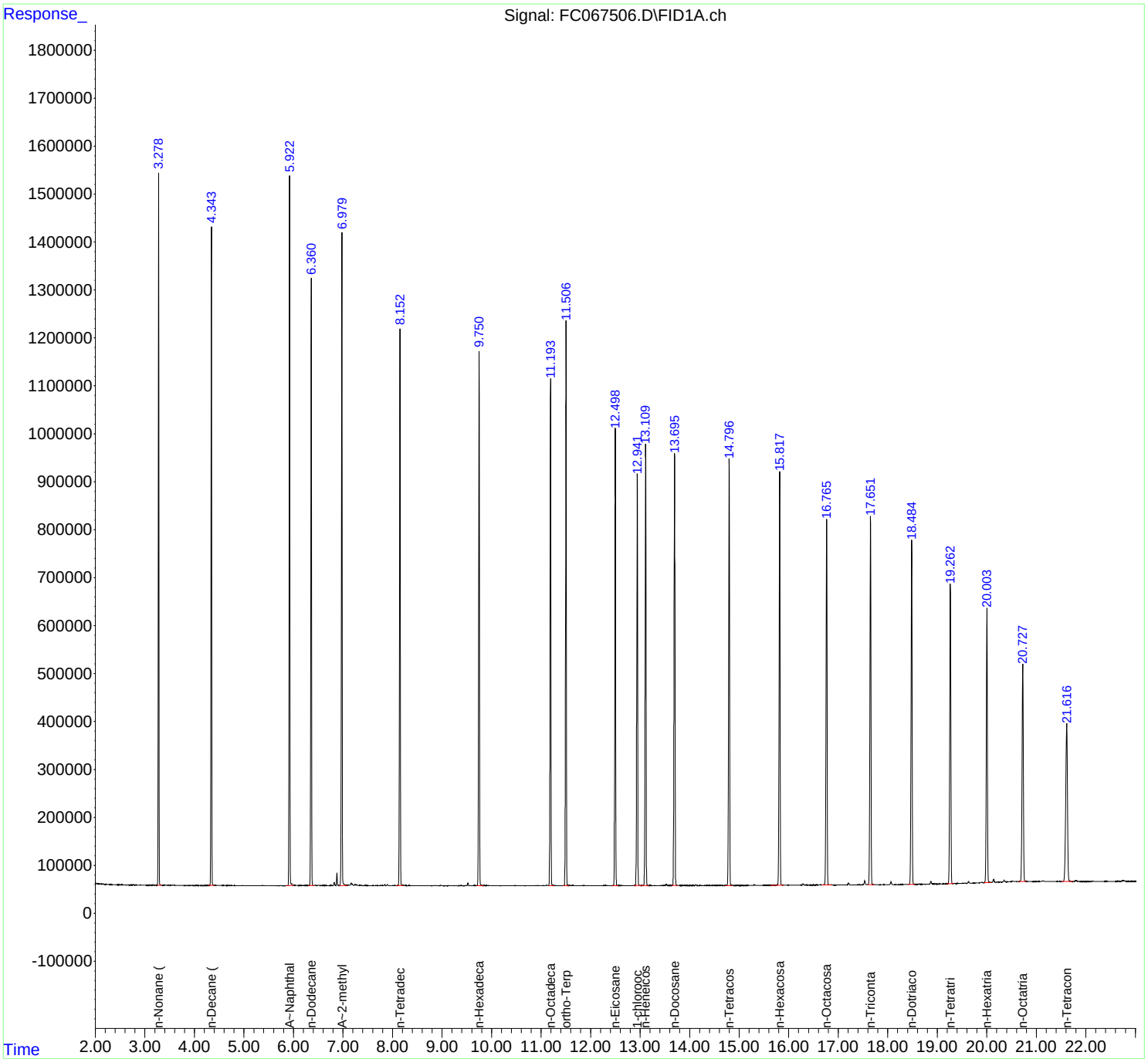
(f)=RT Delta > 1/2 Window (m)=manual int.

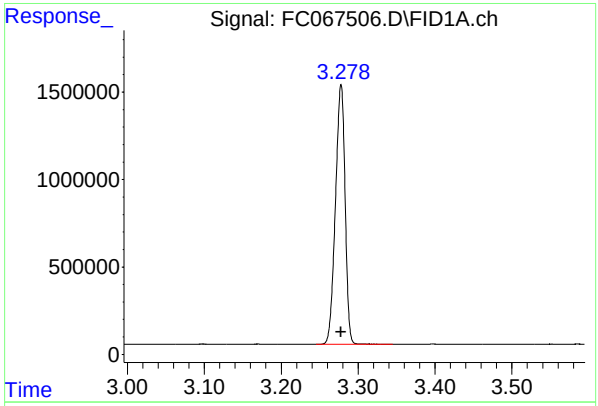
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

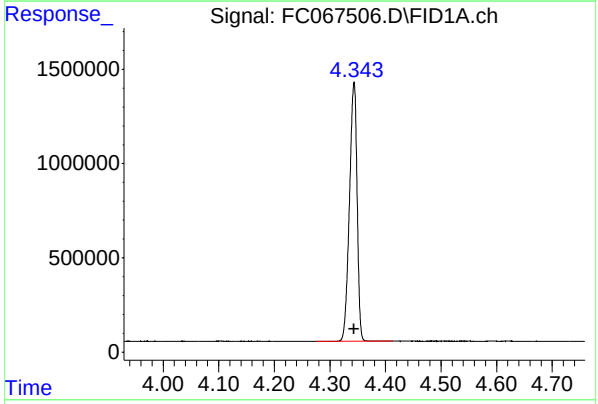




#1 n-Nonane (C9)

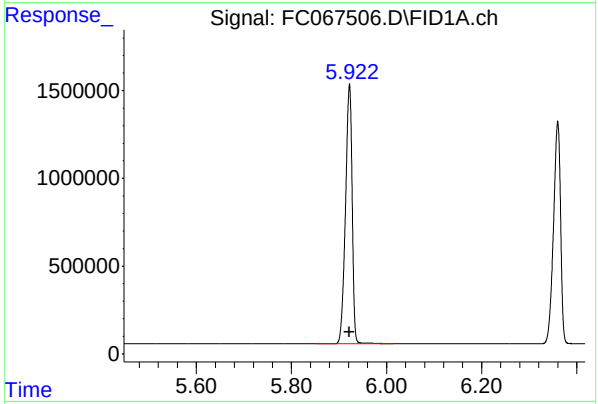
R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 12920314
Conc: 98.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



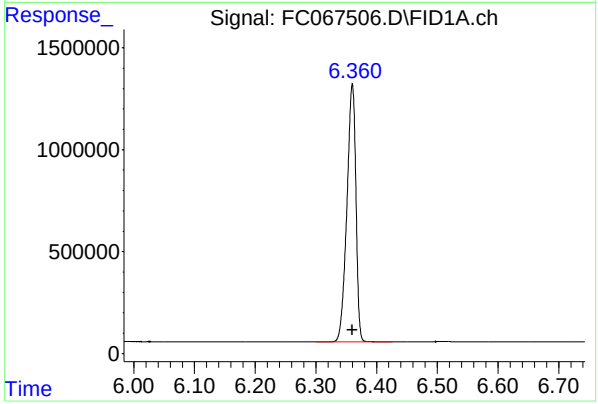
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: 0.000 min
Response: 13085907
Conc: 98.39 ug/ml



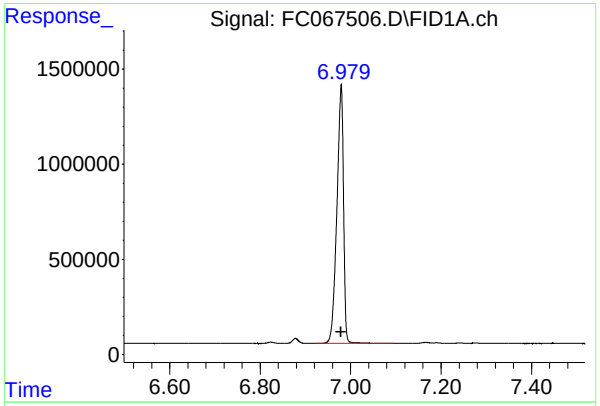
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 14394132
Conc: 98.92 ug/ml



#4 n-Dodecane (C12)

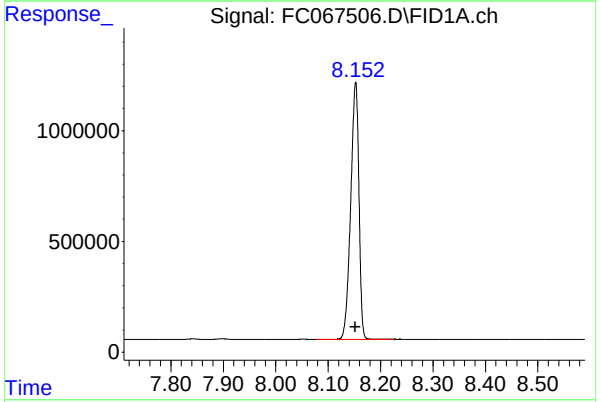
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 13016771
Conc: 98.45 ug/ml



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

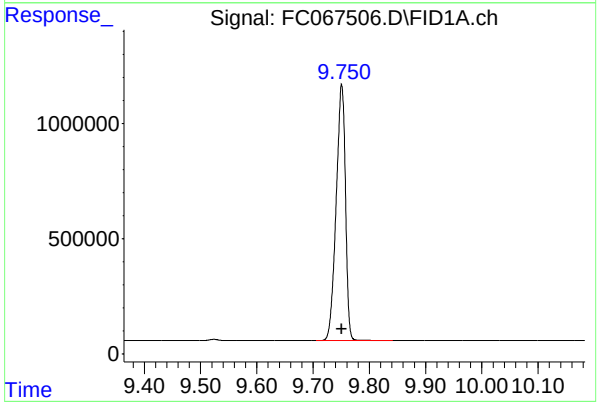
R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 13836866
Conc: 99.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



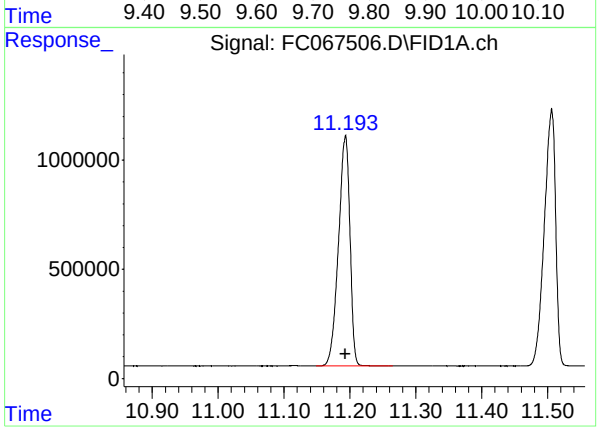
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 12659193
Conc: 98.74 ug/ml



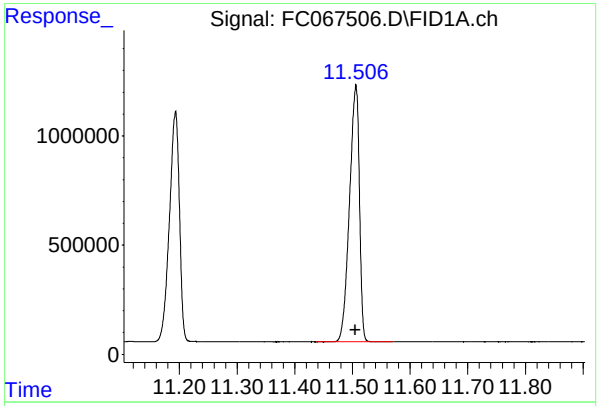
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.000 min
Response: 12808774
Conc: 99.04 ug/ml



#8 n-Octadecane (C18)

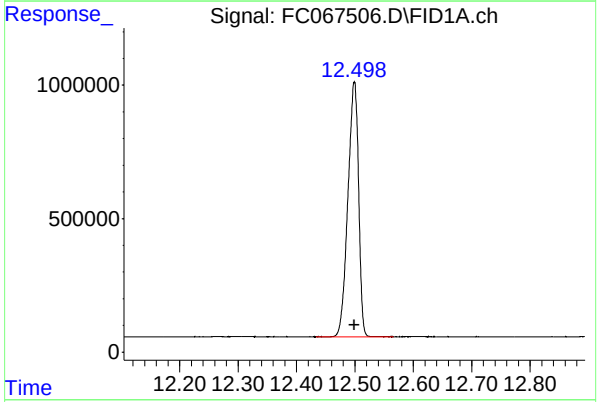
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 12738874
Conc: 98.79 ug/ml



#9 ortho-Terphenyl (SURR)

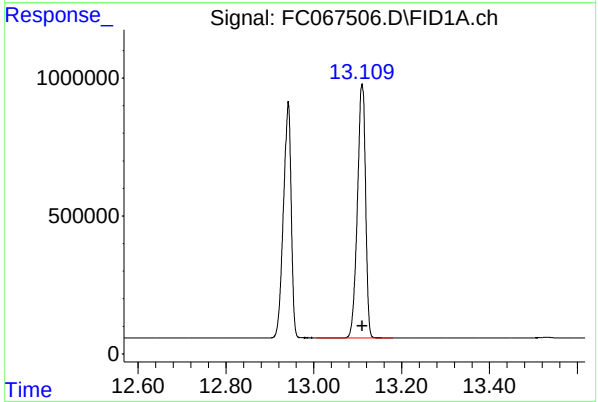
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 14037783
Conc: 98.63 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



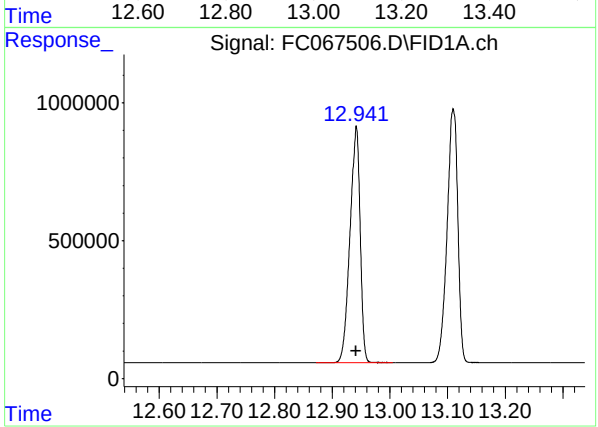
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: 0.000 min
Response: 12105735
Conc: 98.68 ug/ml



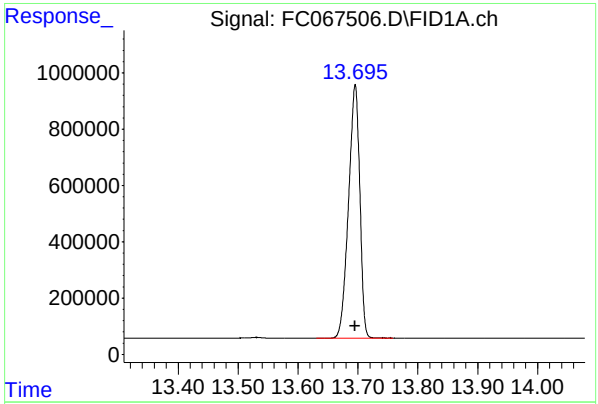
#11 n-Heneicosane (C21)

R.T.: 13.110 min
Delta R.T.: 0.000 min
Response: 11868997
Conc: 98.84 ug/ml



#12 1-chlorooctadecane (SURR)

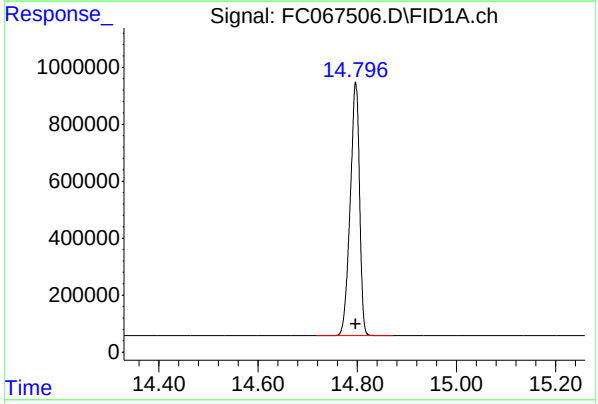
R.T.: 12.941 min
Delta R.T.: 0.000 min
Response: 10490435
Conc: 99.22 ug/ml



#13 n-Docosane (C22)

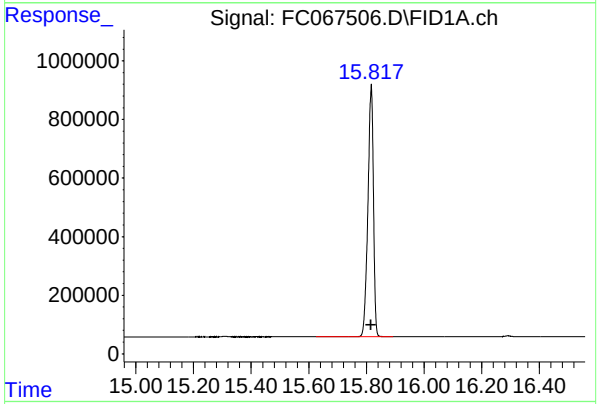
R.T.: 13.695 min
Delta R.T.: 0.000 min
Response: 11751176
Conc: 98.74 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



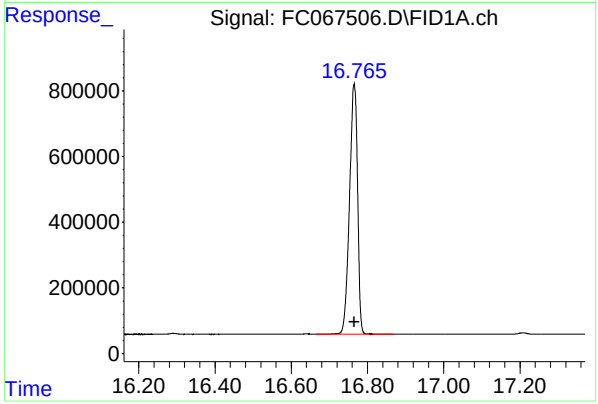
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 11637443
Conc: 98.78 ug/ml



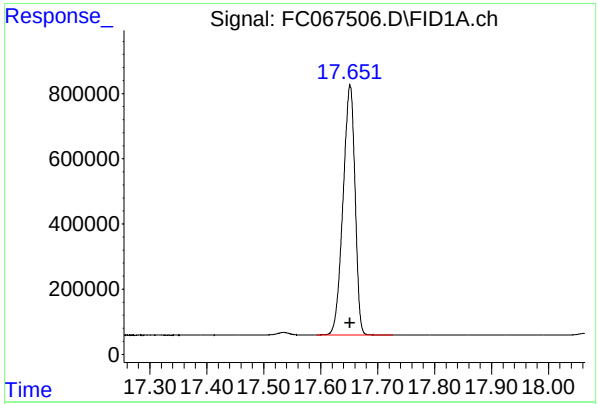
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 11410589
Conc: 98.65 ug/ml



#16 n-Octacosane (C28)

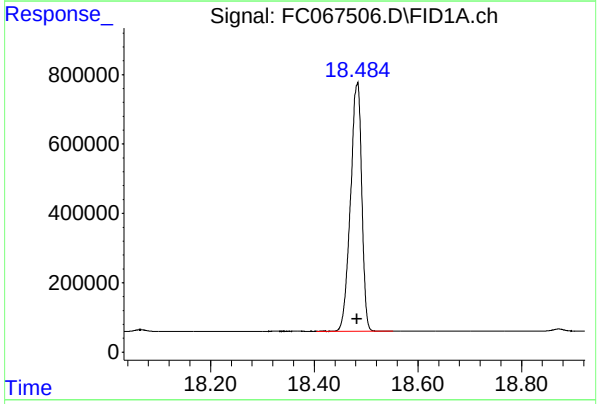
R.T.: 16.765 min
Delta R.T.: 0.000 min
Response: 11146972
Conc: 98.03 ug/ml



#17 n-Tricontane (C30)

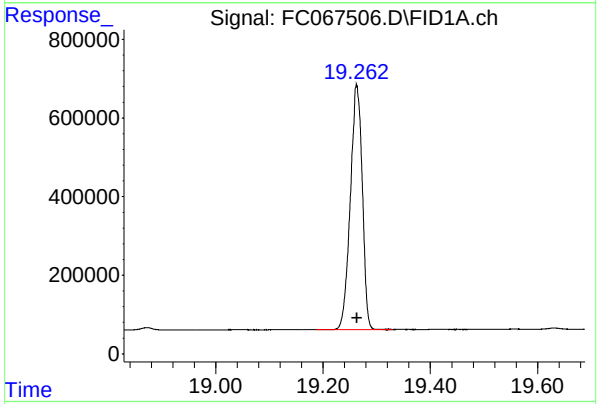
R.T.: 17.651 min
Delta R.T.: 0.000 min
Response: 11224678
Conc: 97.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



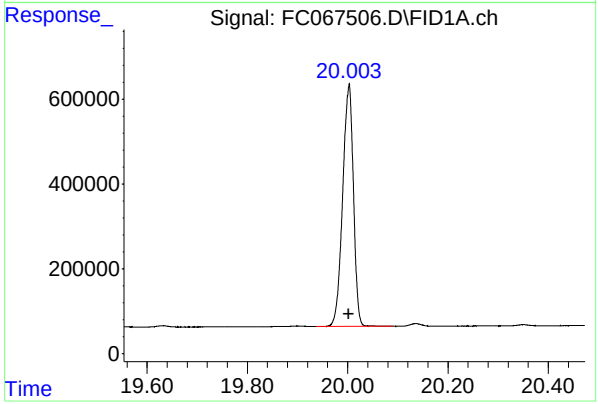
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.000 min
Response: 10806351
Conc: 96.39 ug/ml



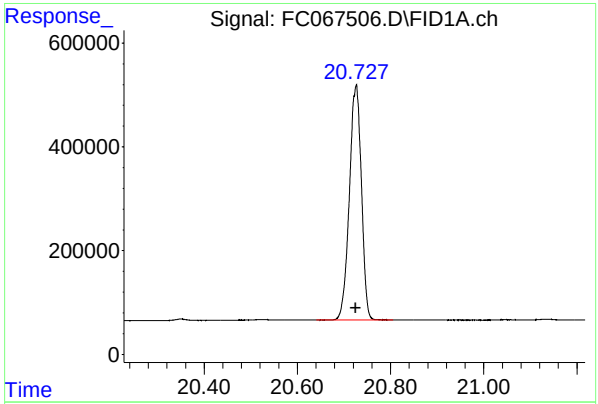
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.000 min
Response: 9619727
Conc: 96.45 ug/ml



#20 n-Hexatriacontane (C36)

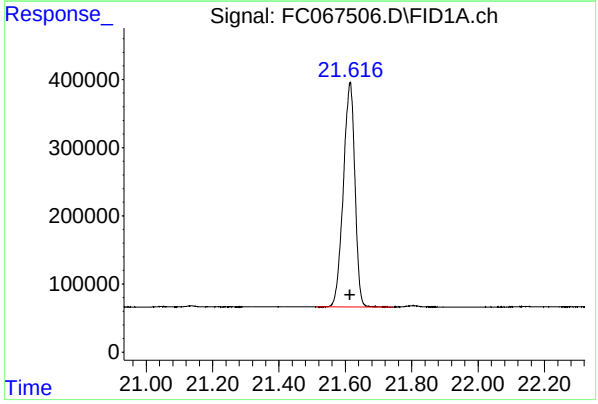
R.T.: 20.002 min
Delta R.T.: 0.000 min
Response: 8494635
Conc: 97.26 ug/ml



#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.

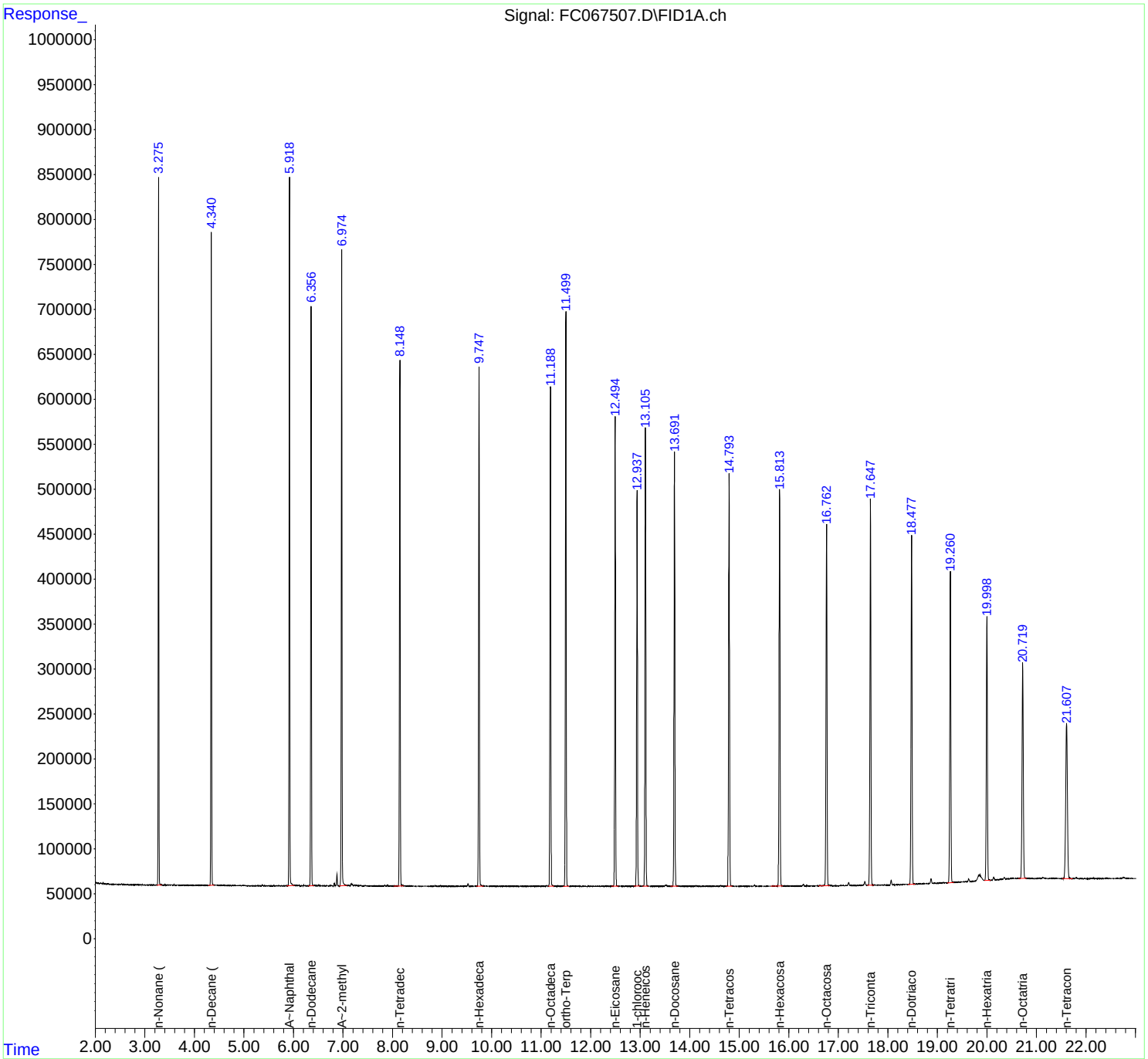
Quantitation Report (QT Reviewed)

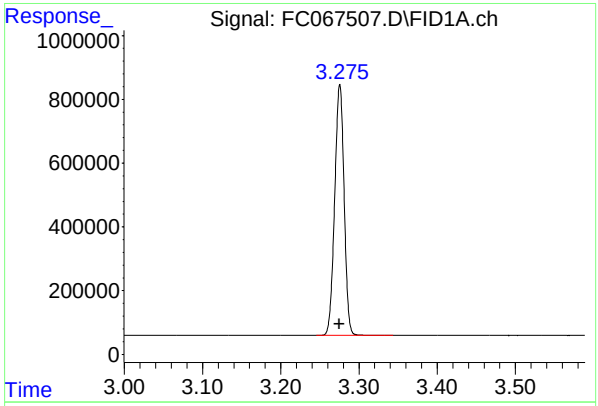
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

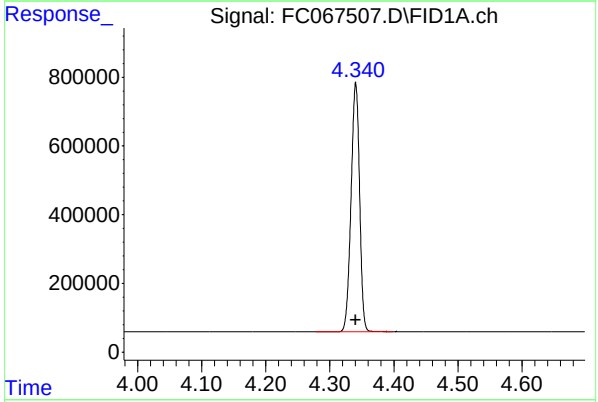




#1 n-Nonane (C9)

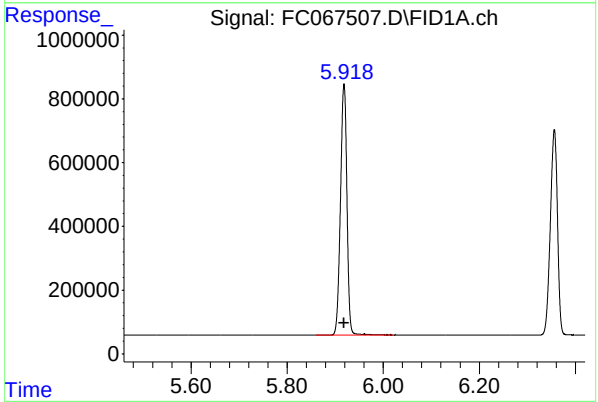
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 6596270
Conc: 50.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



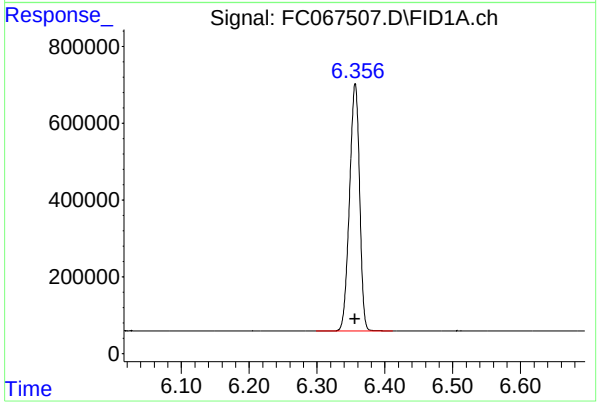
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 6686022
Conc: 50.18 ug/ml



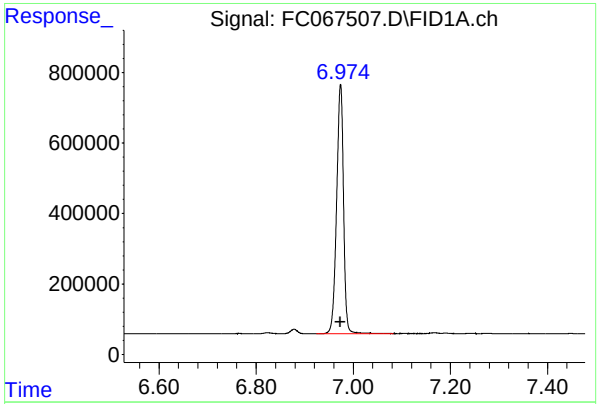
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 7350672
Conc: 50.34 ug/ml



#4 n-Dodecane (C12)

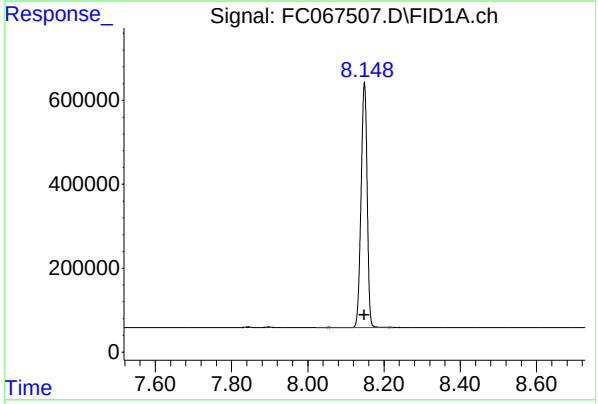
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 6650893
Conc: 50.20 ug/ml



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

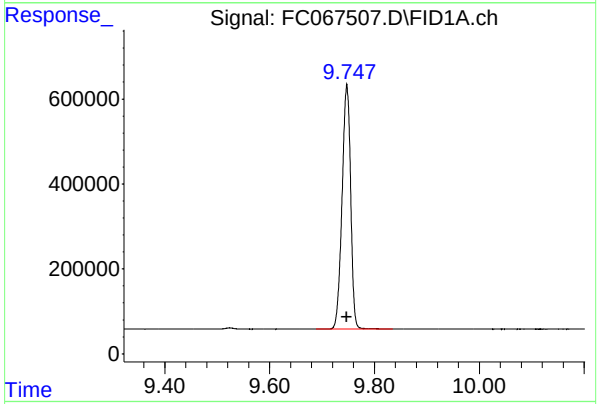
R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 7049073
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



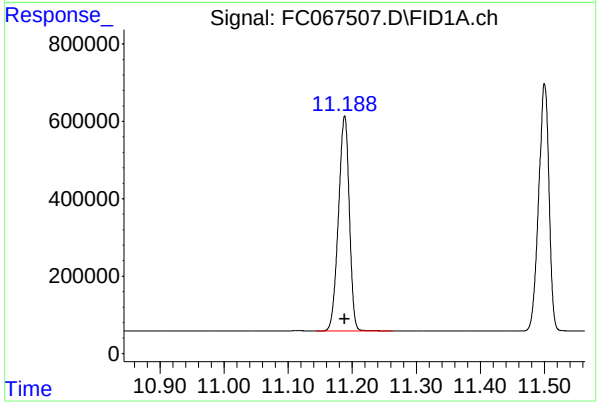
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 6466785
Conc: 50.29 ug/ml



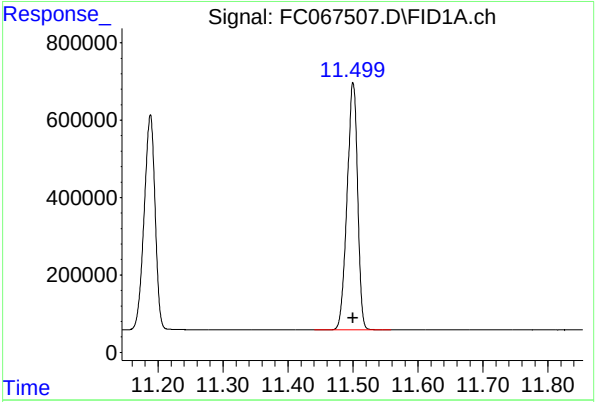
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.000 min
Response: 6523849
Conc: 50.29 ug/ml



#8 n-Octadecane (C18)

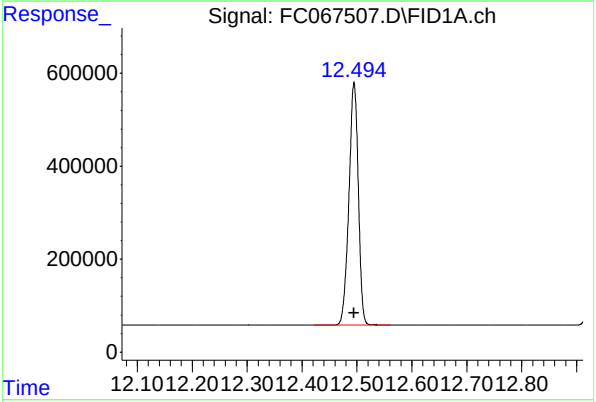
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 6511575
Conc: 50.33 ug/ml



#9 ortho-Terphenyl (SURR)

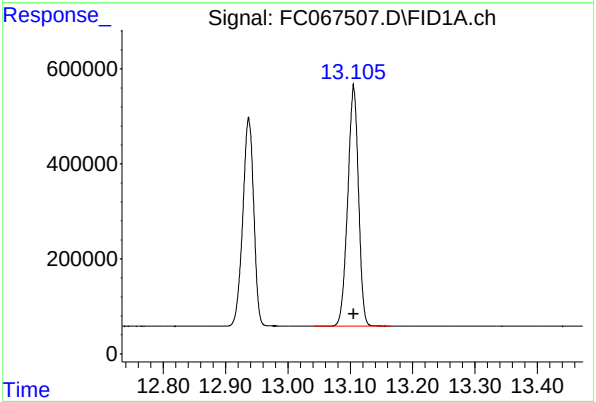
R.T.: 11.500 min
Delta R.T.: 0.000 min
Response: 7186867
Conc: 50.33 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



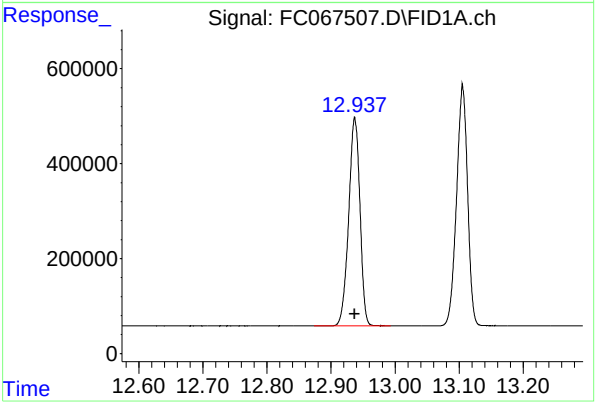
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.000 min
Response: 6199533
Conc: 50.36 ug/ml



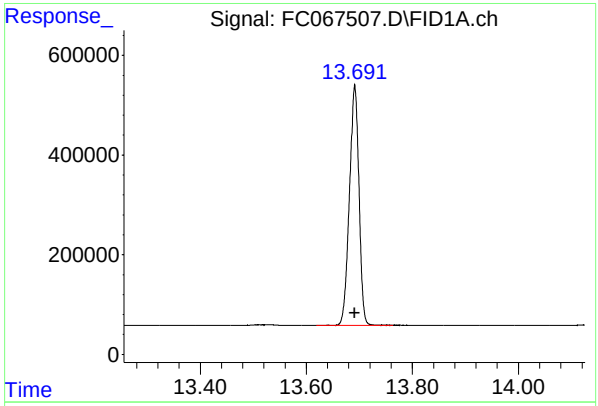
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 6071593
Conc: 50.37 ug/ml



#12 1-chlorooctadecane (SURR)

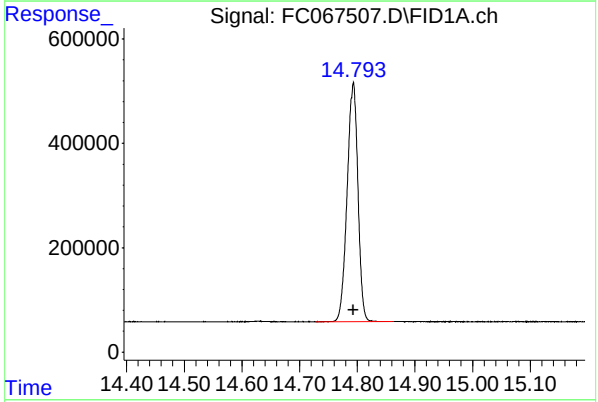
R.T.: 12.937 min
Delta R.T.: 0.000 min
Response: 5350584
Conc: 50.40 ug/ml



#13 n-Docosane (C22)

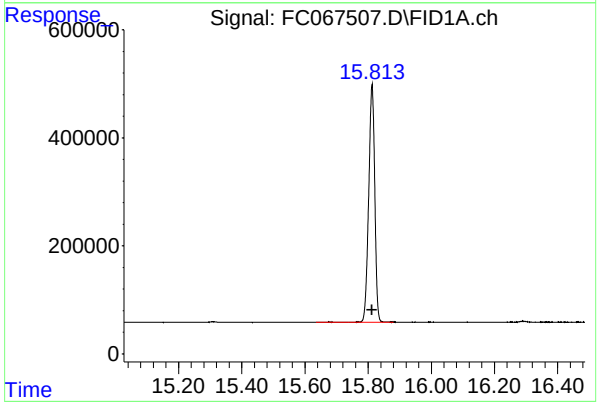
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 6022373
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



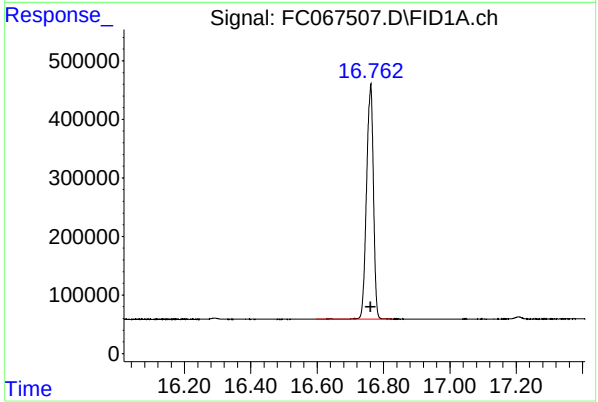
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 5967985
Conc: 50.43 ug/ml



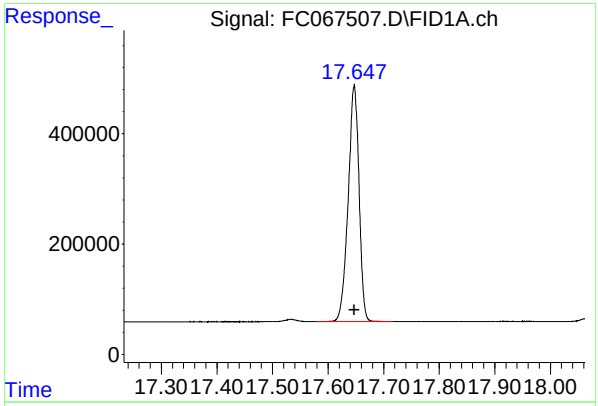
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 5860085
Conc: 50.44 ug/ml



#16 n-Octacosane (C28)

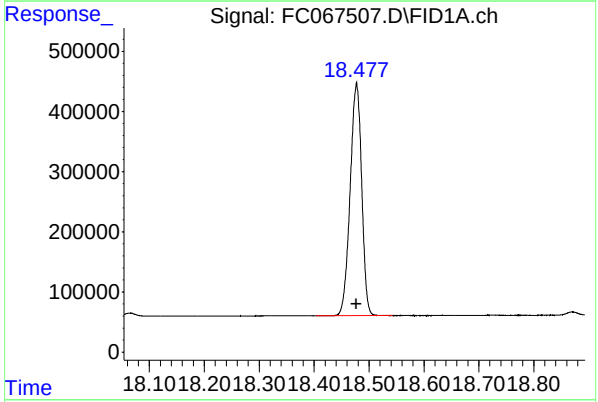
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 5758647
Conc: 50.43 ug/ml



#17 n-Tricontane (C30)

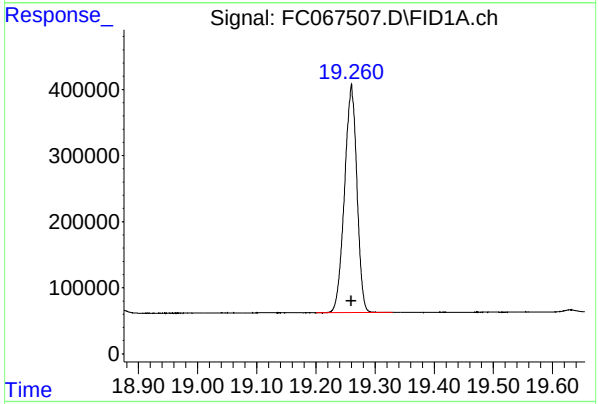
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 5830292
Conc: 50.29 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



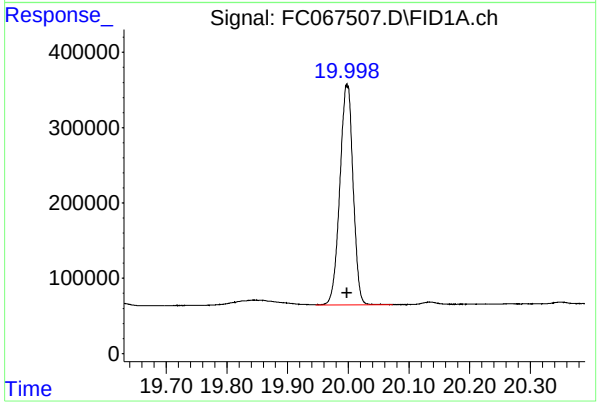
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.000 min
Response: 5634053
Conc: 50.17 ug/ml



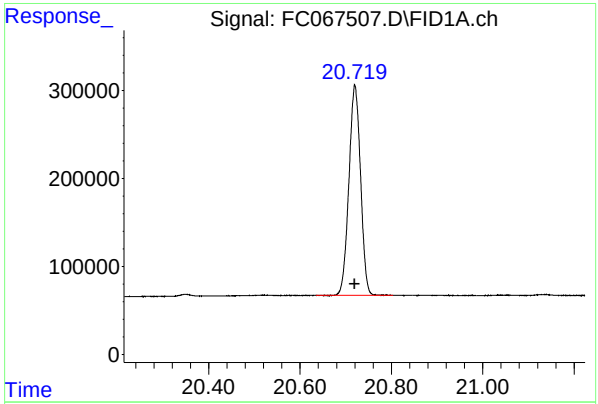
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 5024380
Conc: 50.25 ug/ml



#20 n-Hexatriacontane (C36)

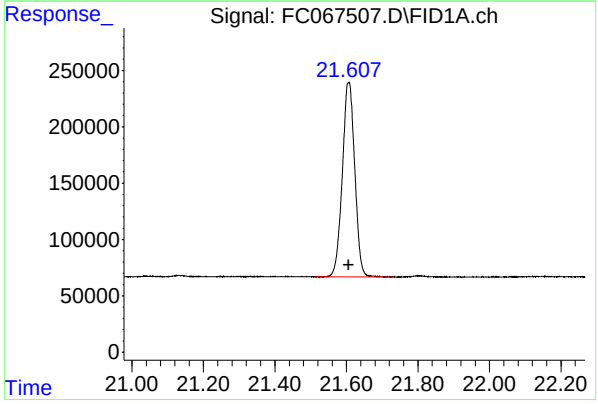
R.T.: 19.998 min
Delta R.T.: 0.000 min
Response: 4430530
Conc: 50.48 ug/ml



#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

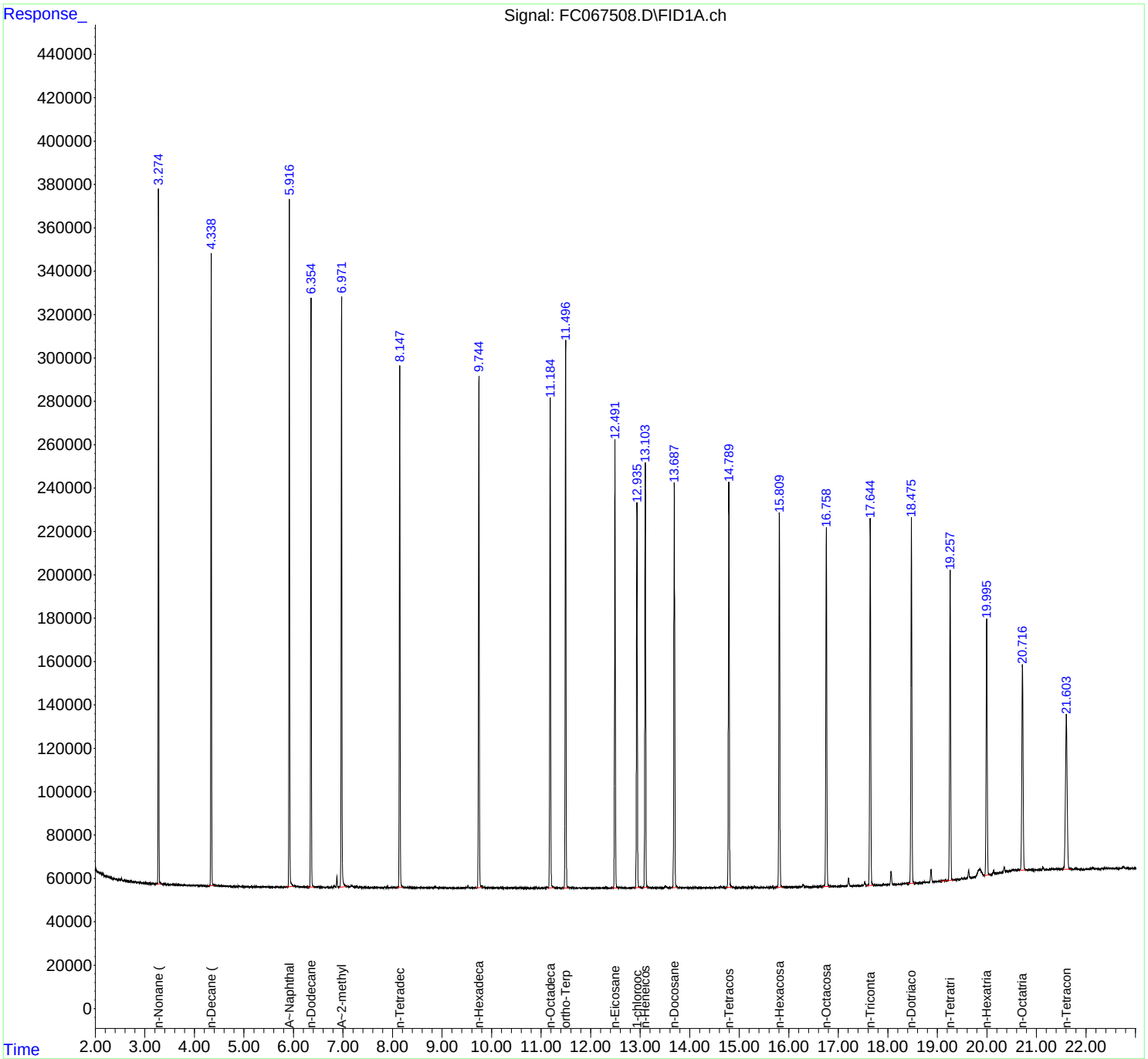
(f)=RT Delta > 1/2 Window (m)=manual int.

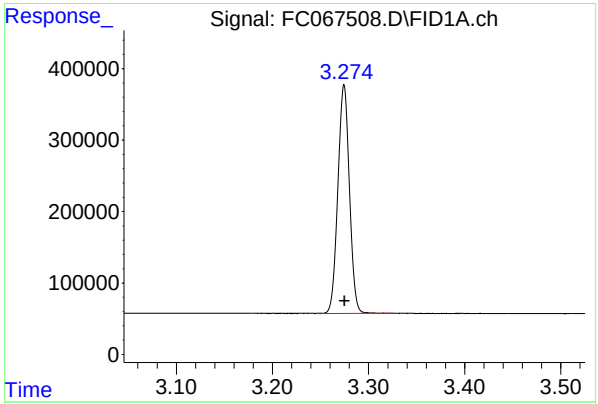
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

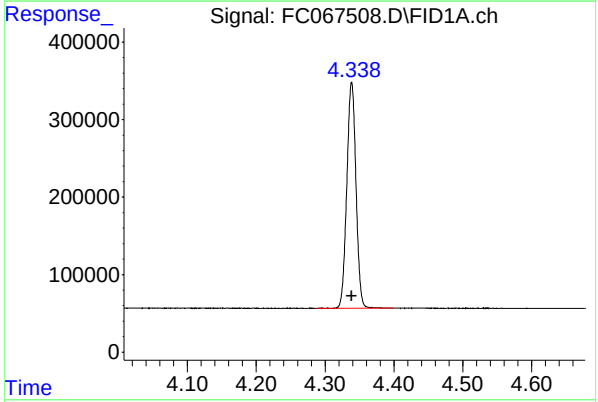




#1 n-Nonane (C9)

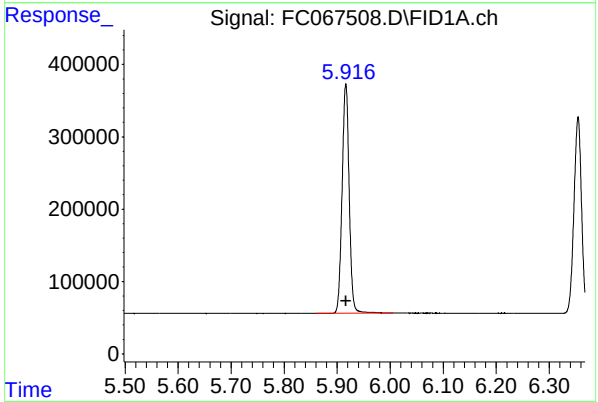
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2673666
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



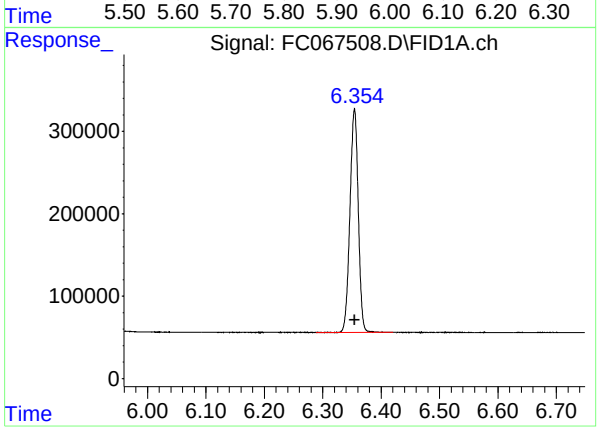
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2702691
Conc: 20.00 ug/ml



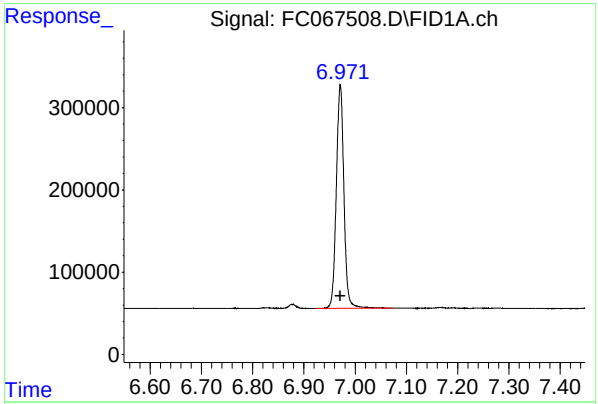
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2941492
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

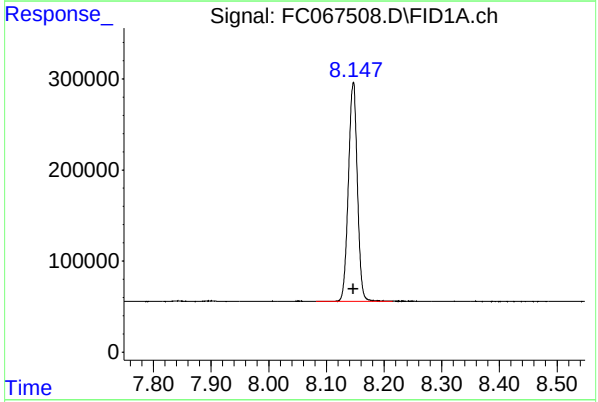
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2685213
Conc: 20.00 ug/ml



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

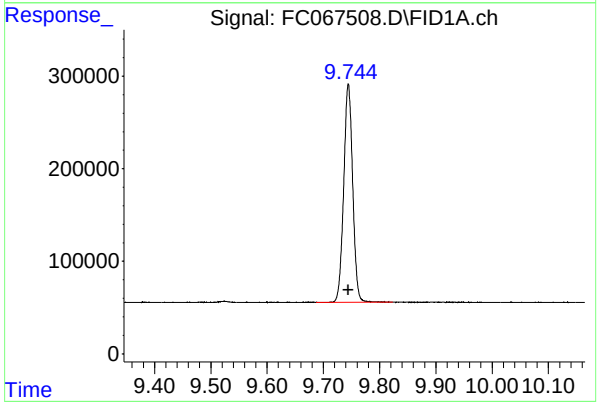
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2804469
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



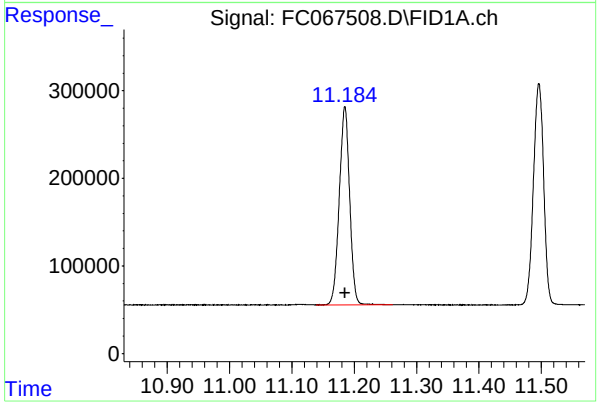
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2596600
Conc: 20.00 ug/ml



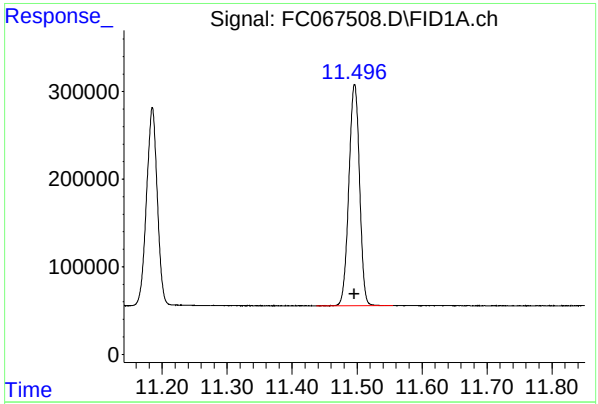
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2611645
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

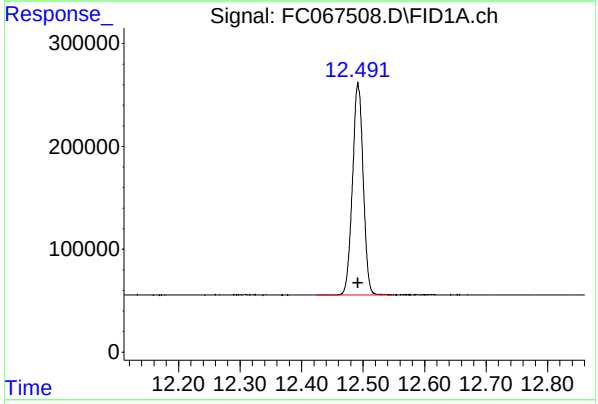
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2610385
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

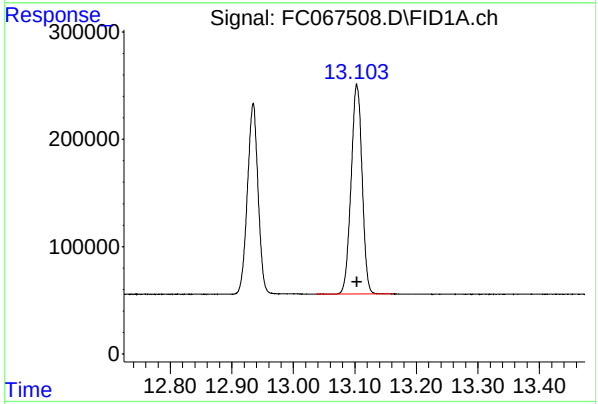
R.T.: 11.496 min
Delta R.T.: 0.000 min
Response: 2885453
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



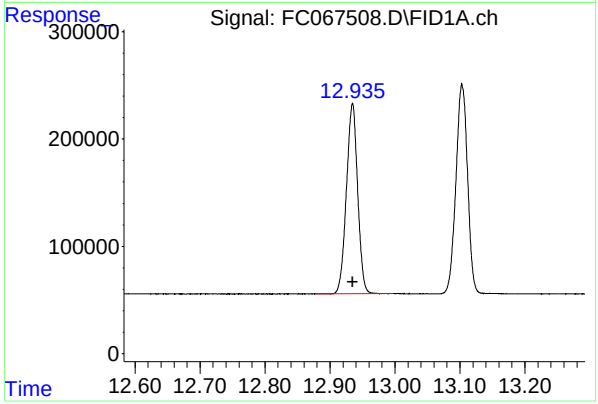
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: 0.000 min
Response: 2486010
Conc: 20.00 ug/ml



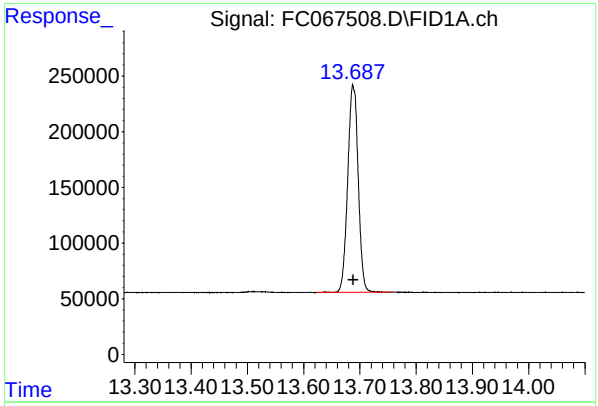
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2429615
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

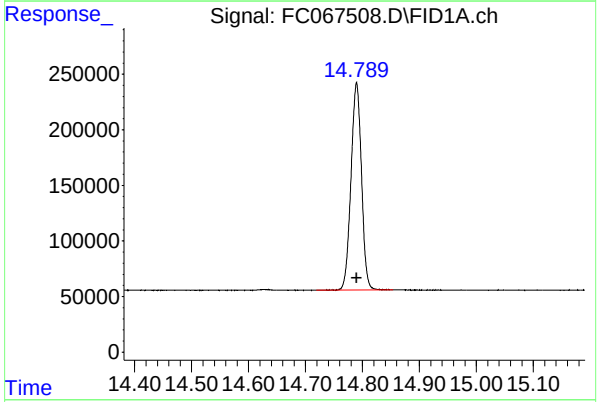
R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 2131037
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

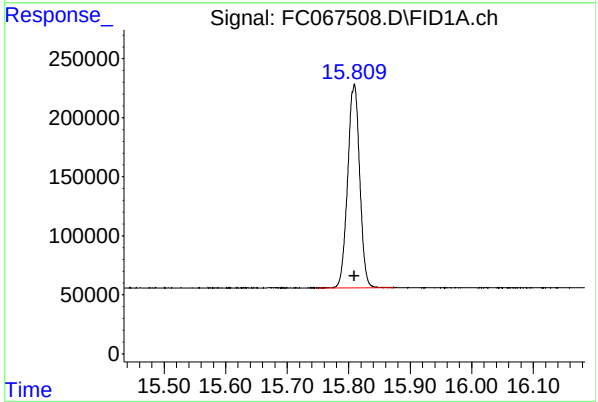
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2410406
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



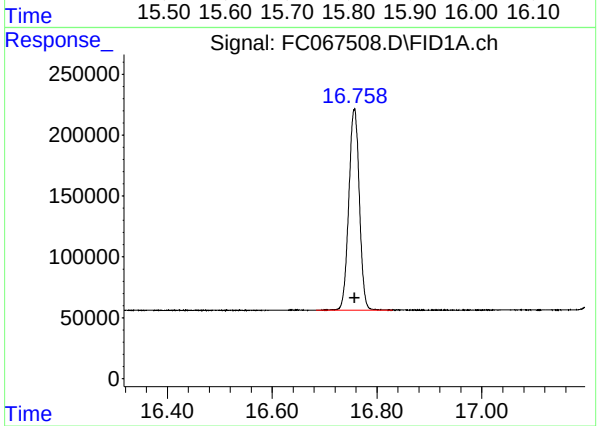
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2385181
Conc: 20.00 ug/ml



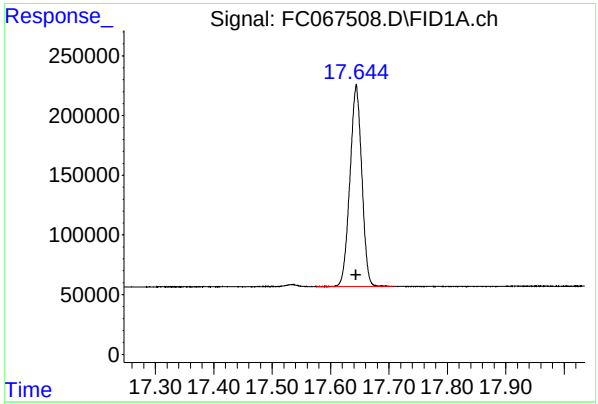
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.000 min
Response: 2344463
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

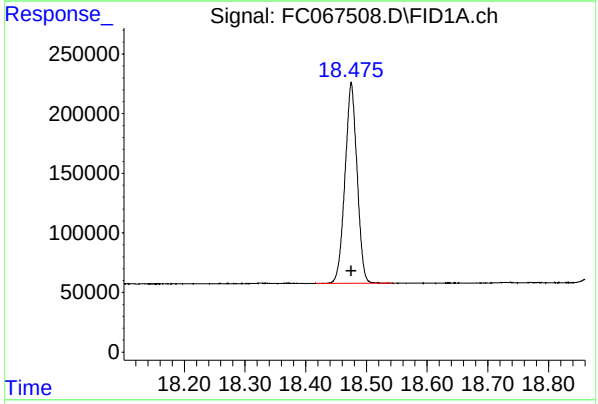
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2318777
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

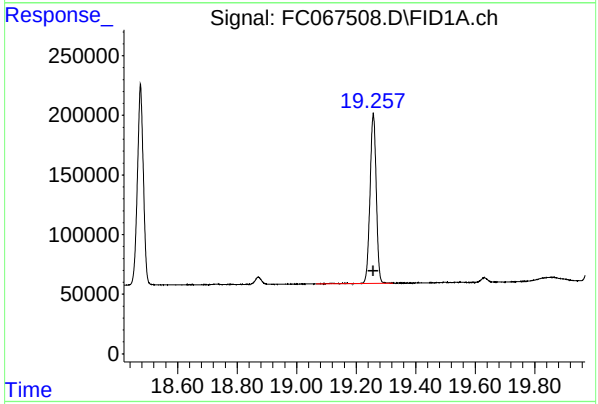
R.T.: 17.644 min
Delta R.T.: 0.000 min
Response: 2378909
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



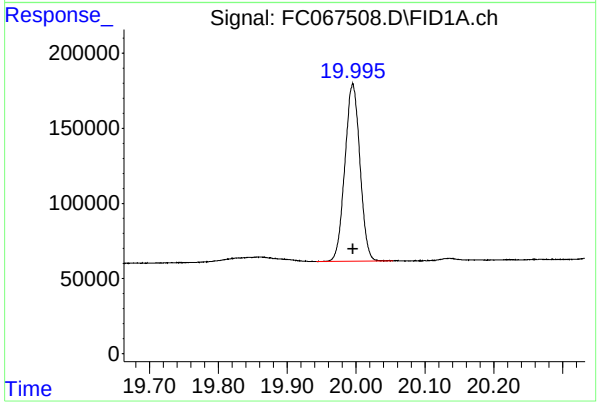
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 2323289
Conc: 20.00 ug/ml



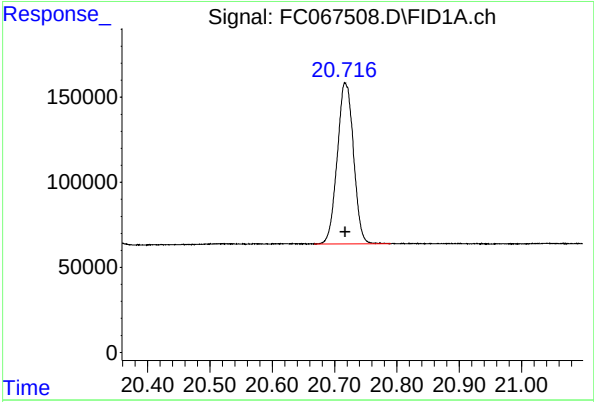
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.000 min
Response: 2065430
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

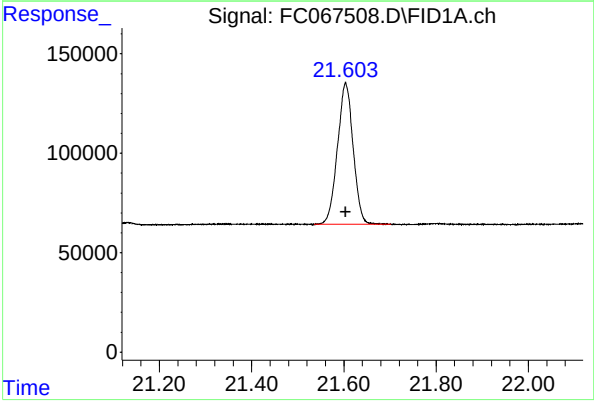
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 1794670
Conc: 20.00 ug/ml



#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

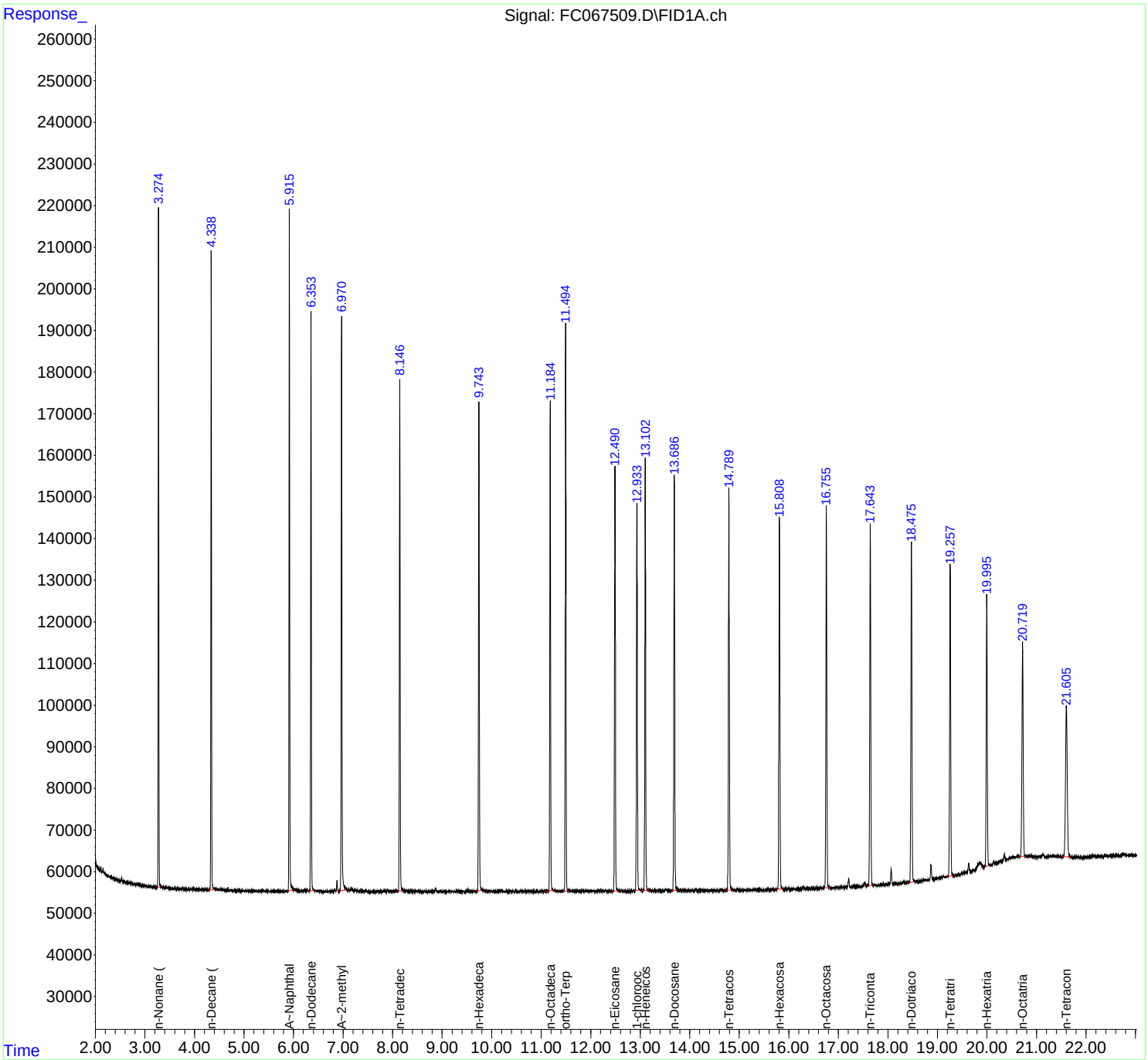
(f)=RT Delta > 1/2 Window (m)=manual int.

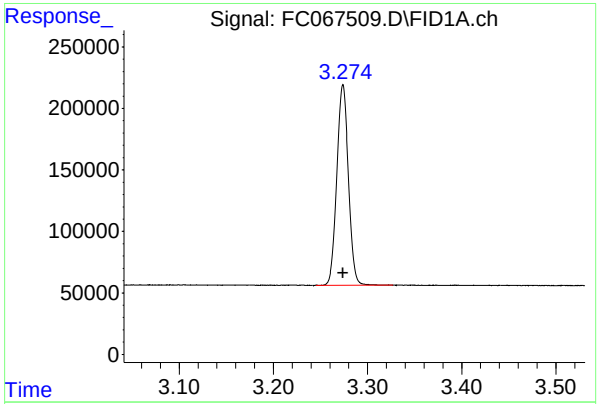
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

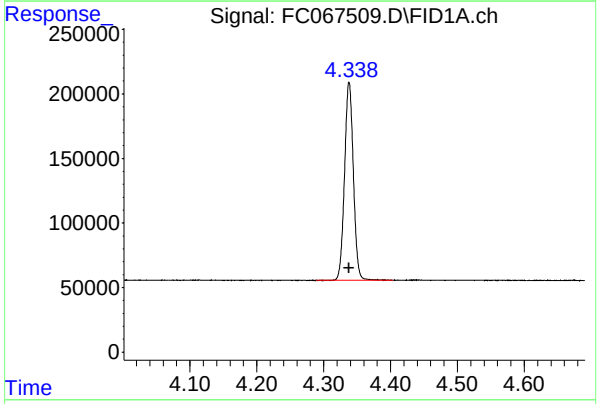




#1 n-Nonane (C9)

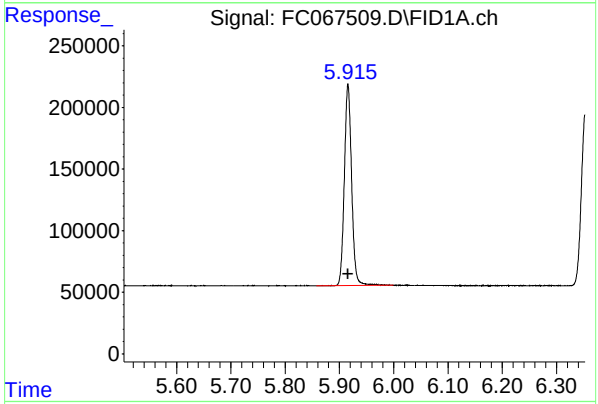
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 1392325
Conc: 10.43 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



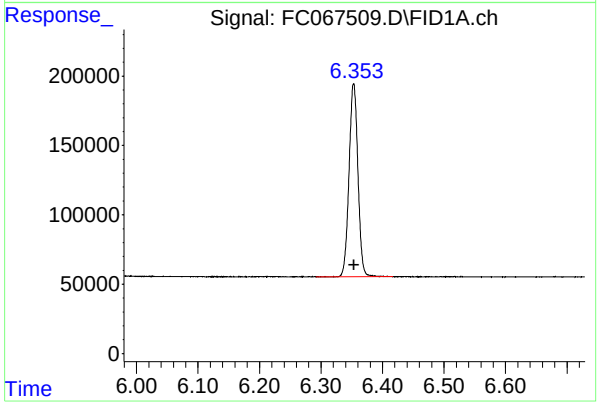
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 1408883
Conc: 10.42 ug/ml



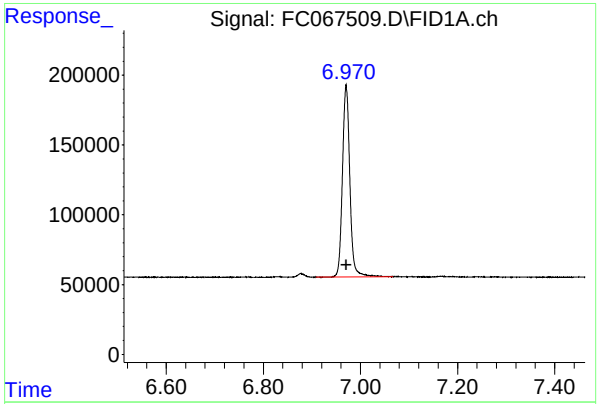
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 1523229
Conc: 10.32 ug/ml



#4 n-Dodecane (C12)

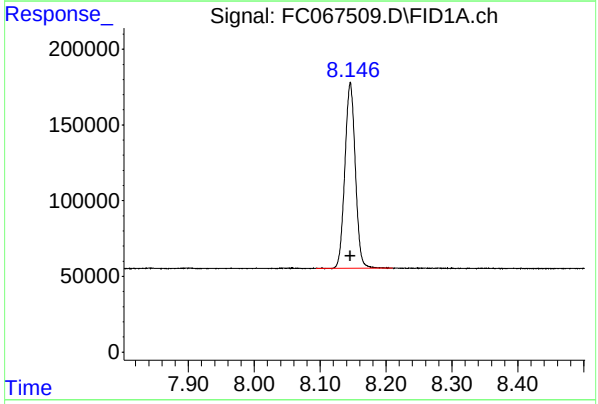
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1397121
Conc: 10.40 ug/ml



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

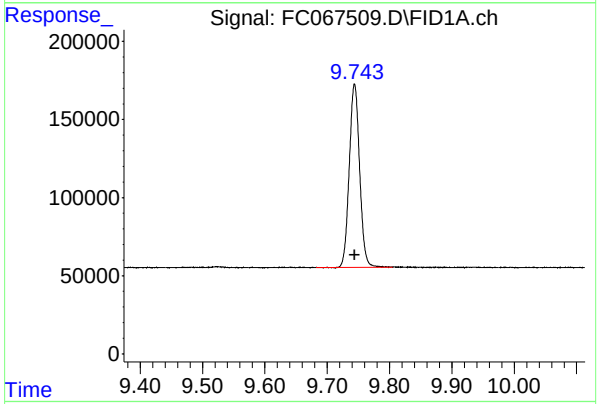
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 1445653
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



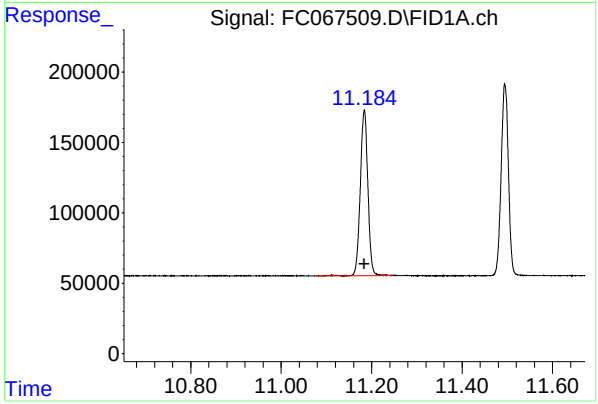
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1348794
Conc: 10.36 ug/ml



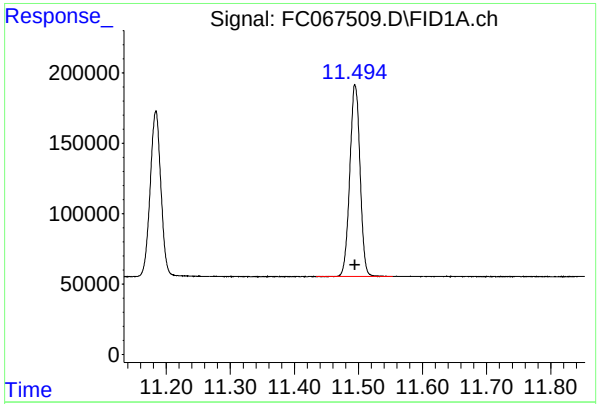
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 1353251
Conc: 10.32 ug/ml



#8 n-Octadecane (C18)

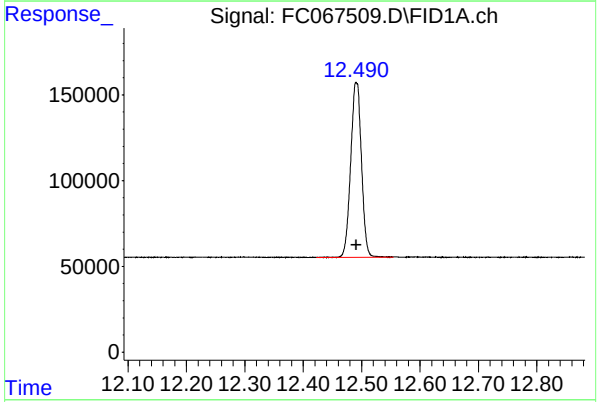
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 1362847
Conc: 10.39 ug/ml



#9 ortho-Terphenyl (SURR)

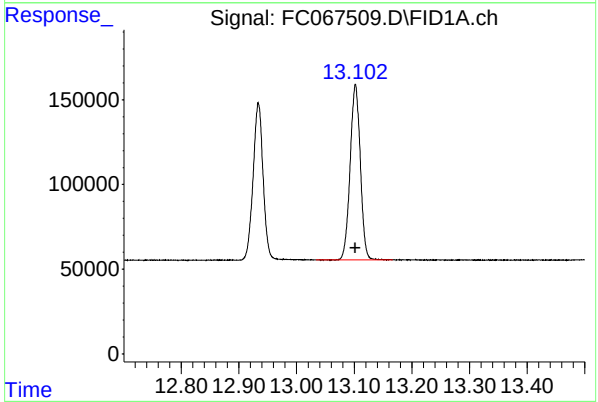
R.T.: 11.495 min
Delta R.T.: 0.000 min
Response: 1516253
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



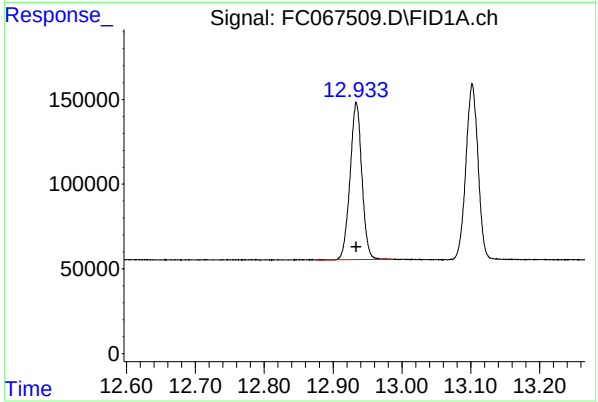
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 1299257
Conc: 10.41 ug/ml



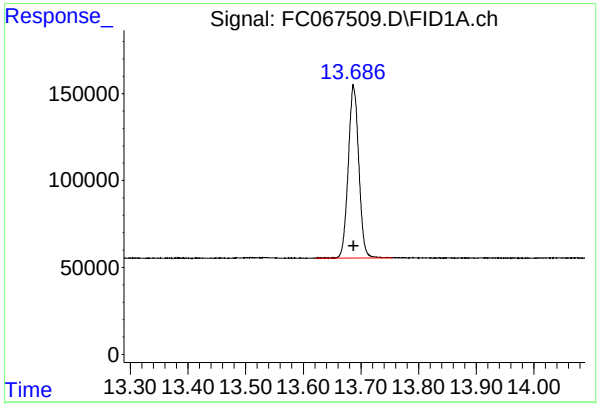
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 1272574
Conc: 10.41 ug/ml



#12 1-chlorooctadecane (SURR)

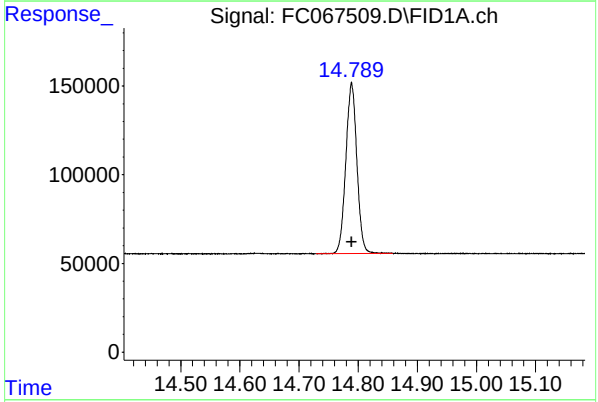
R.T.: 12.934 min
Delta R.T.: 0.000 min
Response: 1104370
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

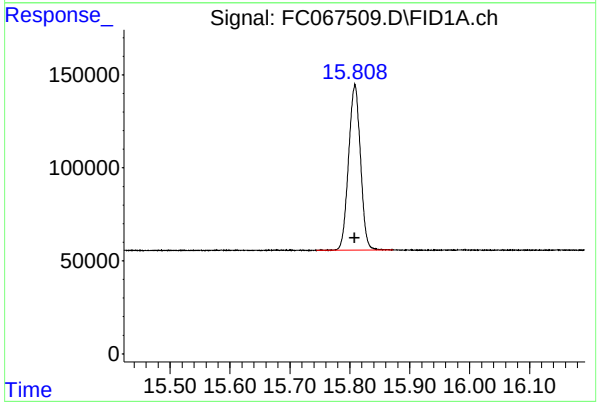
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1260218
Conc: 10.40 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



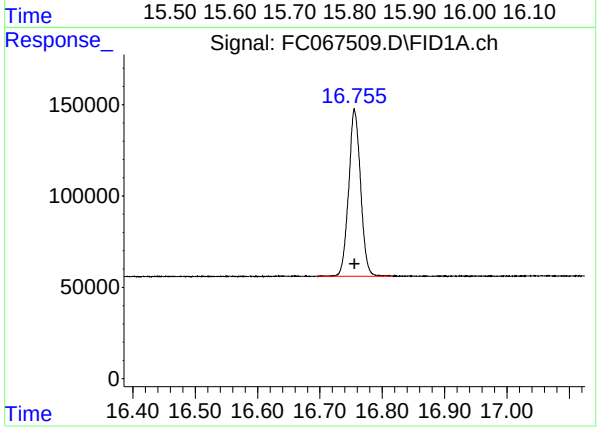
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 1251574
Conc: 10.43 ug/ml



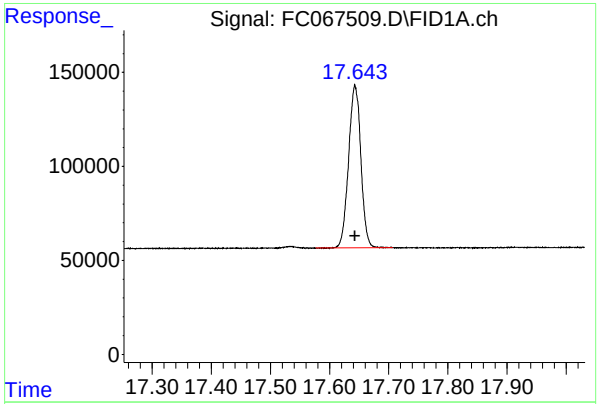
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 1226594
Conc: 10.41 ug/ml



#16 n-Octacosane (C28)

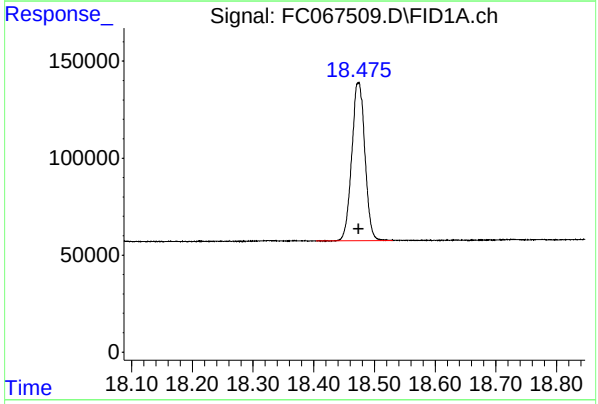
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 1213286
Conc: 10.46 ug/ml



#17 n-Tricontane (C30)

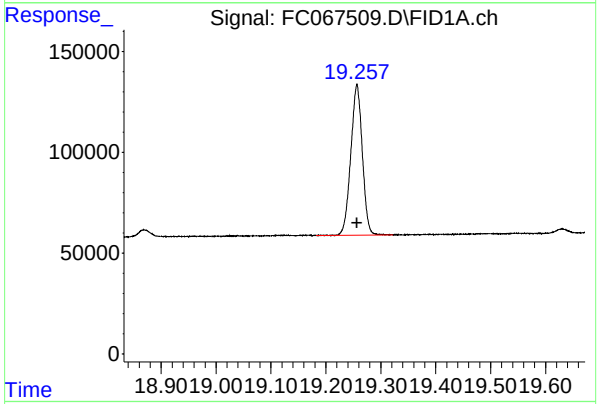
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 1249088
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



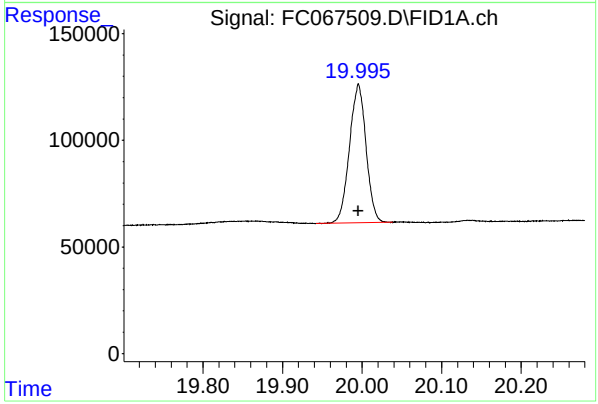
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 1225099
Conc: 10.67 ug/ml



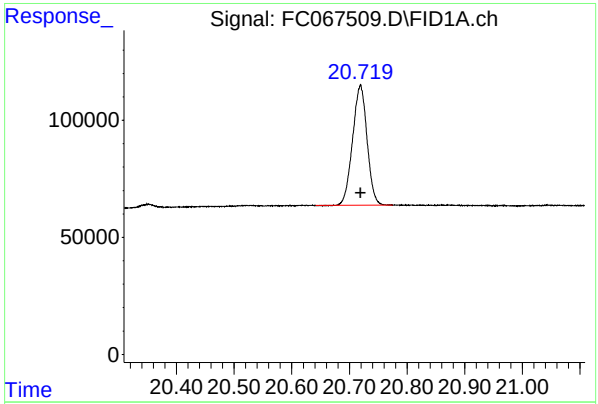
#19 n-Tetratriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 1087201
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

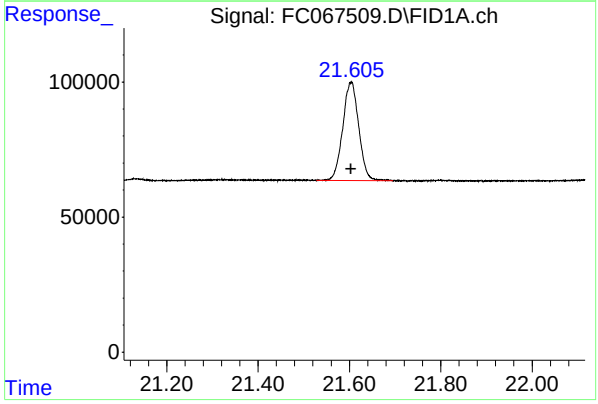
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 941330
Conc: 10.53 ug/ml



#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

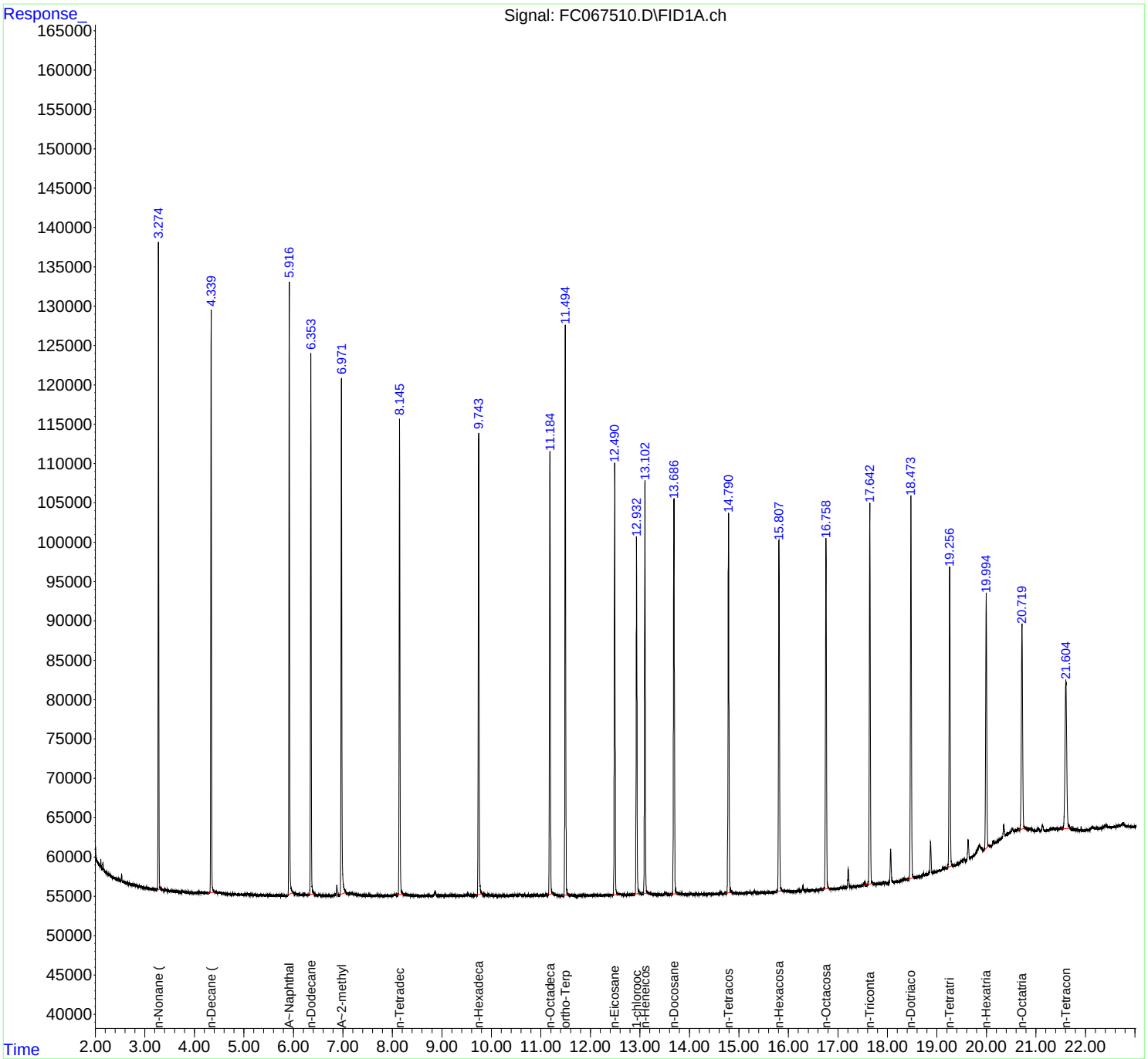
(f)=RT Delta > 1/2 Window (m)=manual int.

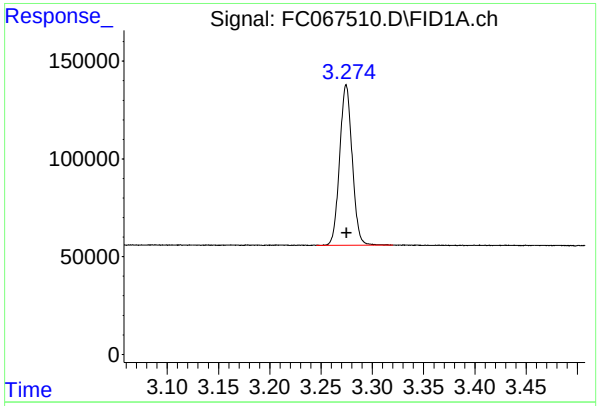
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

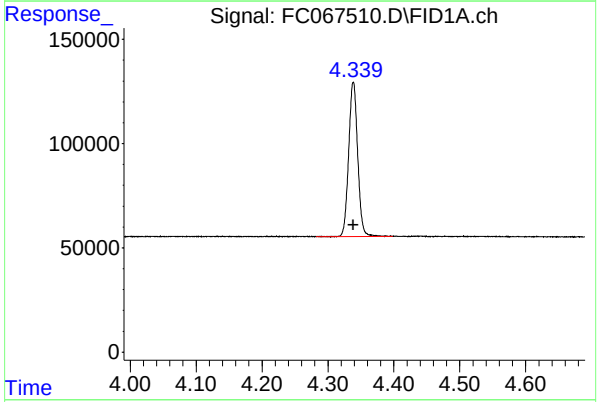




#1 n-Nonane (C9)

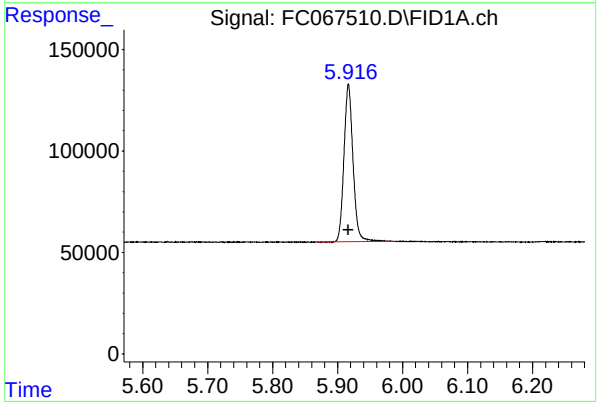
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 697792
Conc: 5.18 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



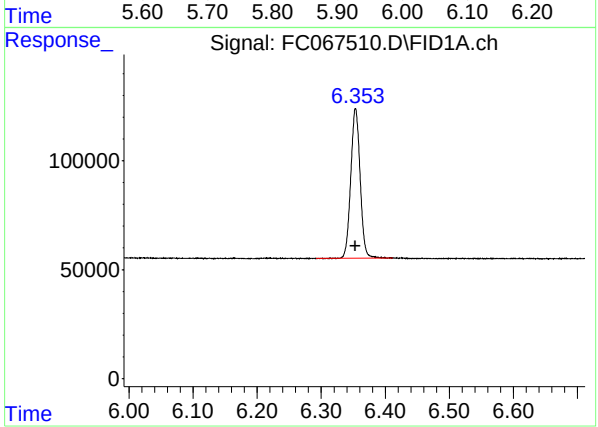
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 703136
Conc: 5.16 ug/ml



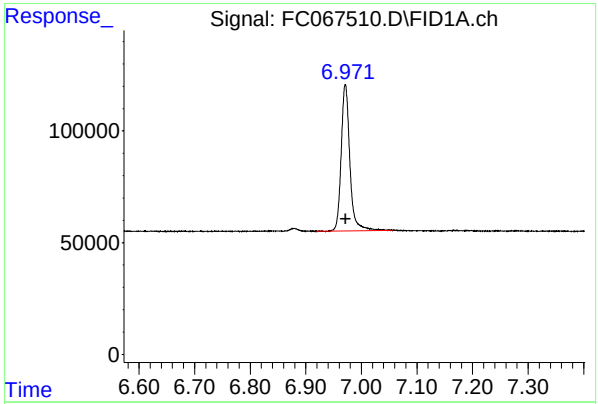
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 752949
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

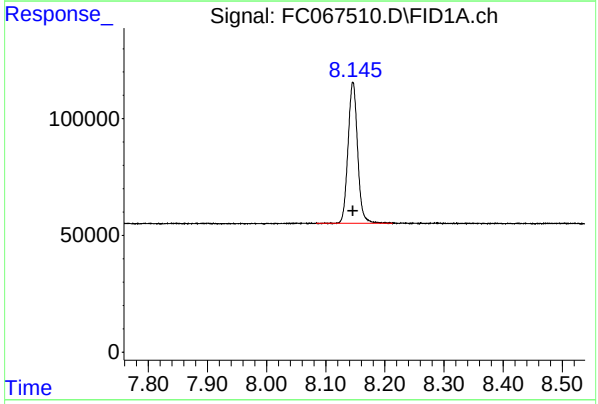
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 700270
Conc: 5.17 ug/ml



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

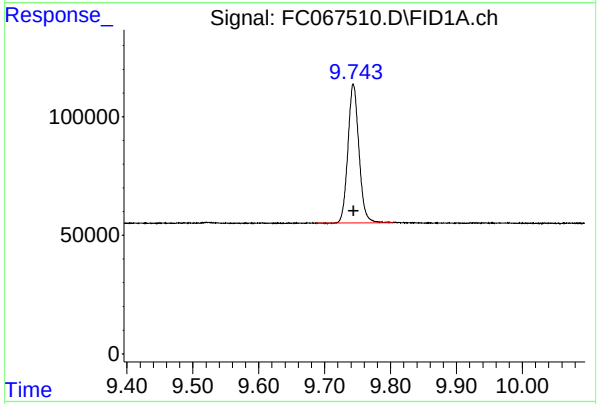
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 709834
Conc: 5.03 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



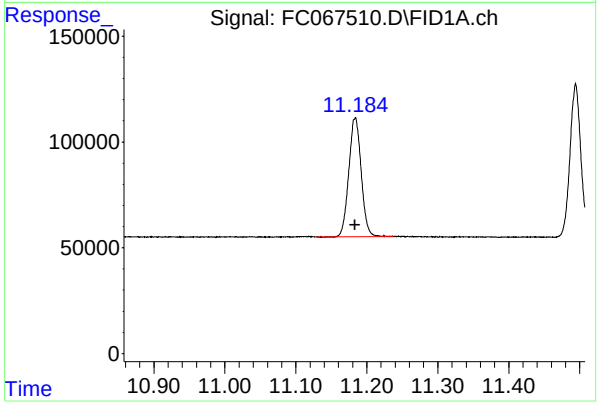
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 678328
Conc: 5.17 ug/ml



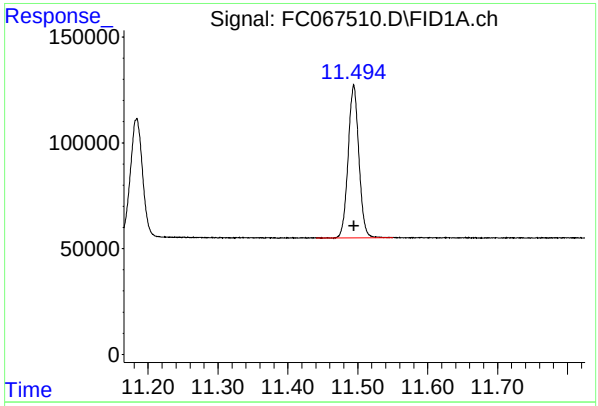
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 680213
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

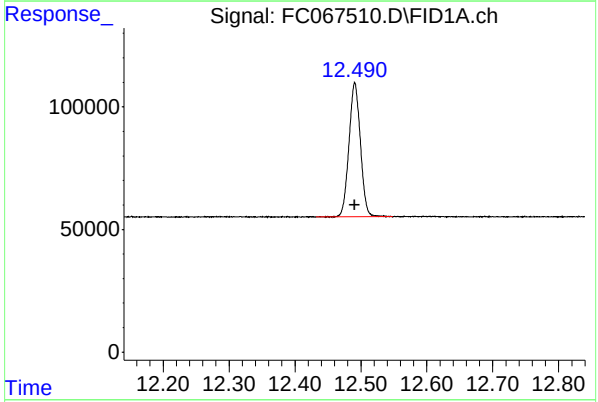
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 680709
Conc: 5.15 ug/ml



#9 ortho-Terphenyl (SURR)

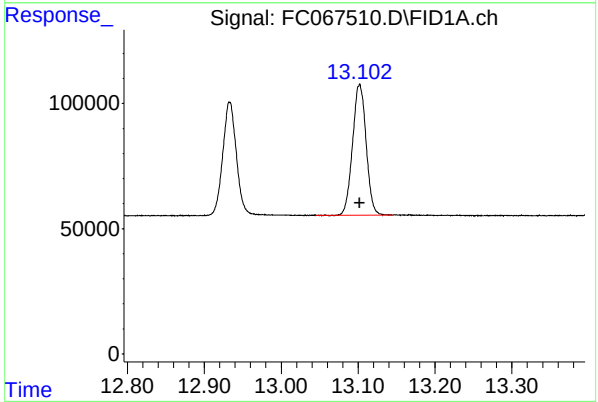
R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 768220
Conc: 5.24 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



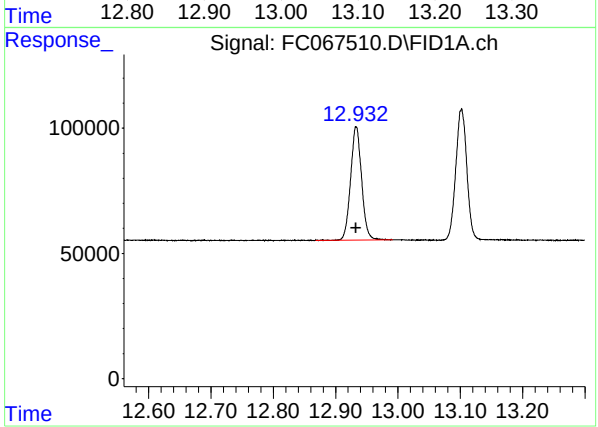
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 658066
Conc: 5.22 ug/ml



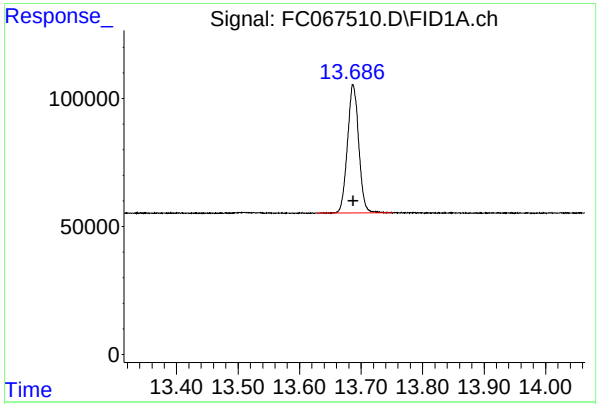
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 641065
Conc: 5.19 ug/ml



#12 1-chlorooctadecane (SURR)

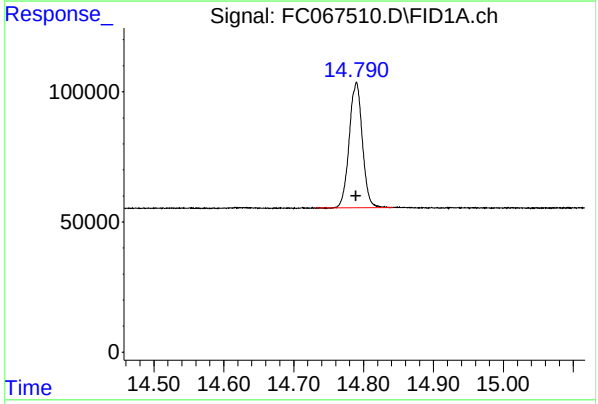
R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 555182
Conc: 5.14 ug/ml



#13 n-Docosane (C22)

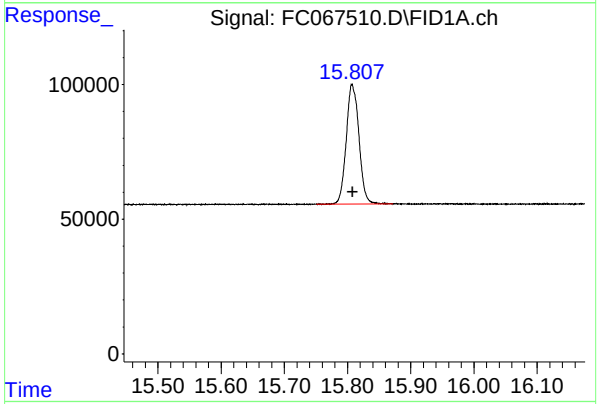
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 638712
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



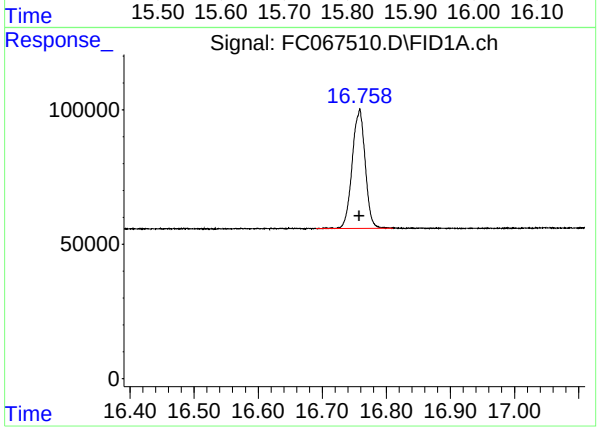
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 629495
Conc: 5.19 ug/ml



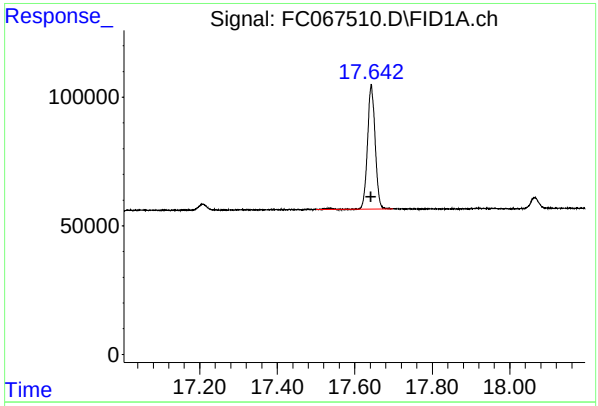
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 620443
Conc: 5.21 ug/ml



#16 n-Octacosane (C28)

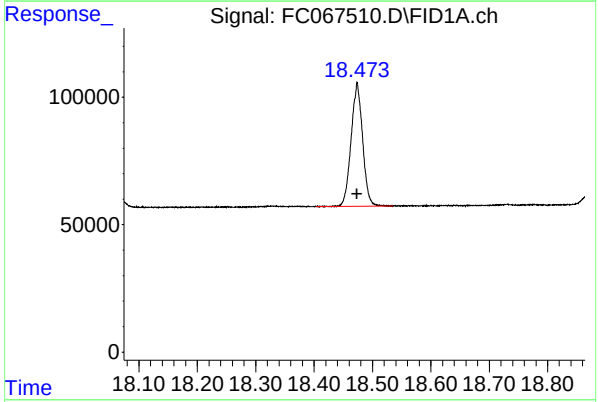
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 621629
Conc: 5.28 ug/ml



#17 n-Tricontane (C30)

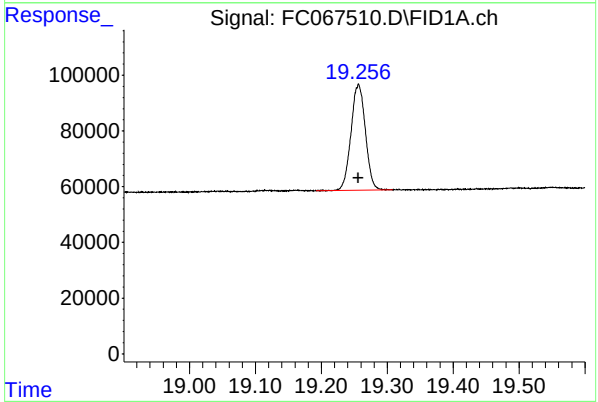
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 658247
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



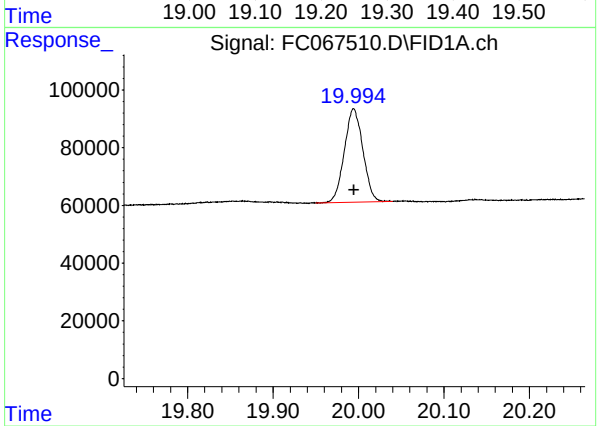
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 660916
Conc: 5.59 ug/ml



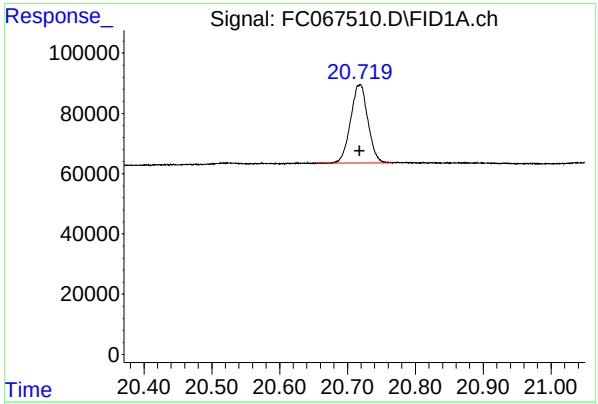
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: 0.000 min
Response: 574804
Conc: 5.49 ug/ml



#20 n-Hexatriacontane (C36)

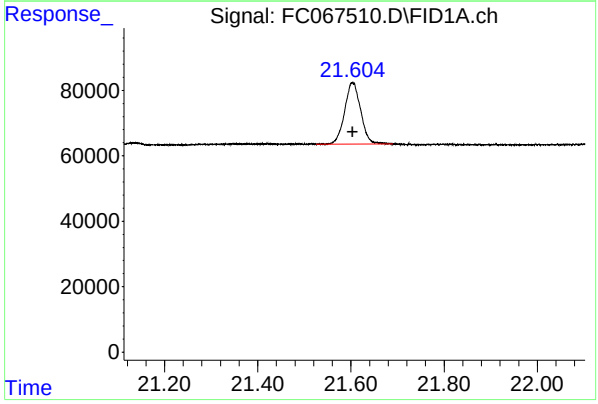
R.T.: 19.994 min
Delta R.T.: 0.000 min
Response: 488556
Conc: 5.37 ug/ml



#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

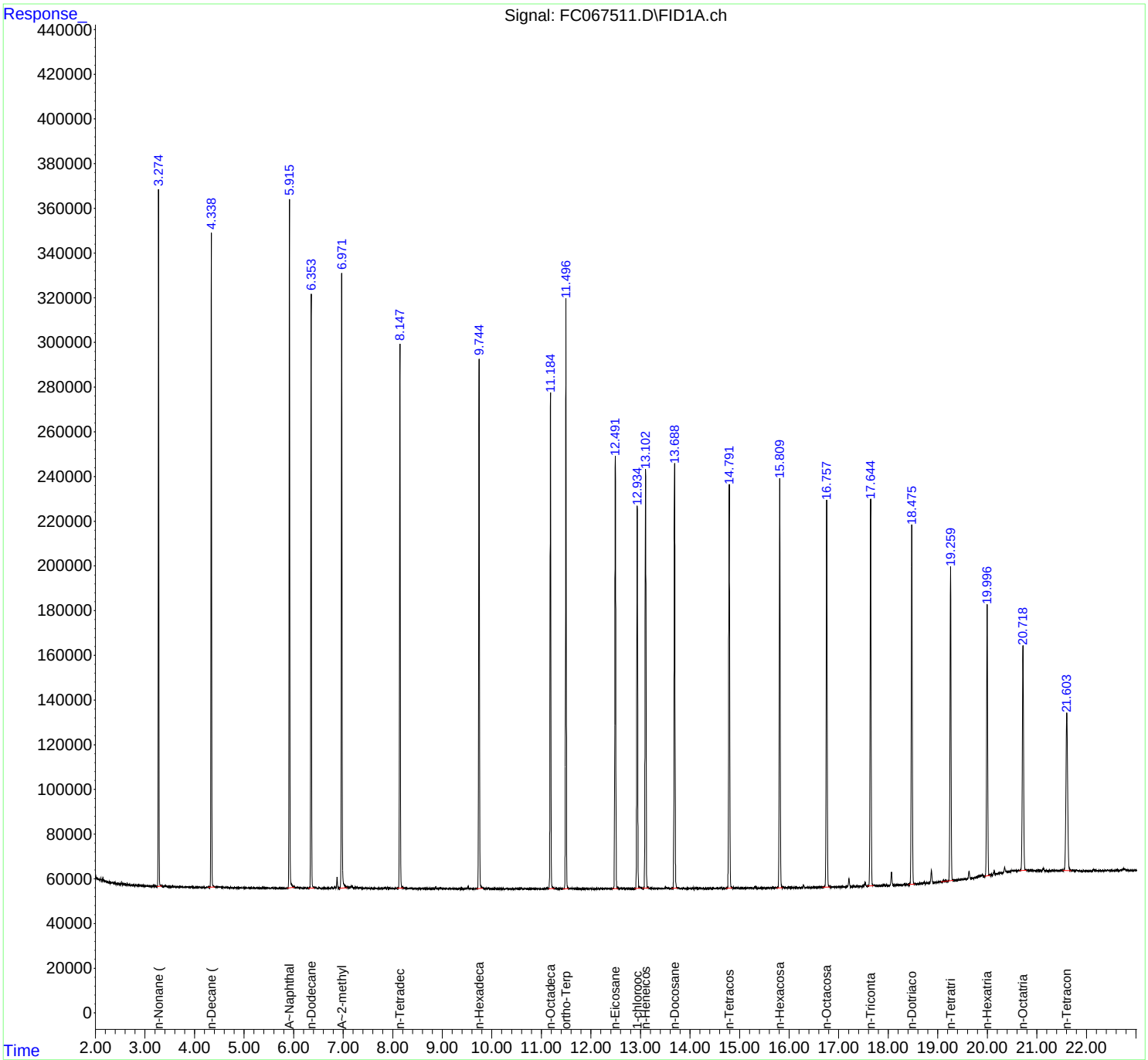
(f)=RT Delta > 1/2 Window (m)=manual int.

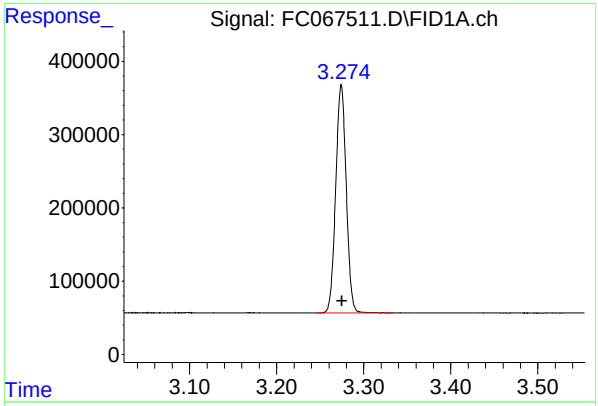
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

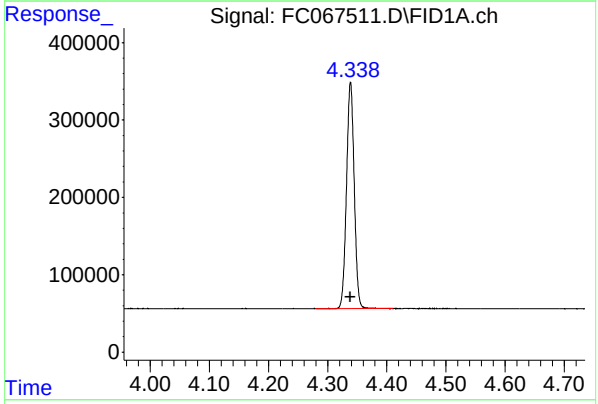




#1 n-Nonane (C9)

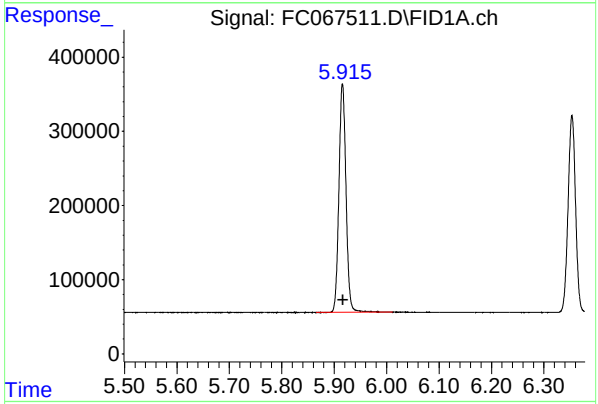
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2613683
Conc: 19.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



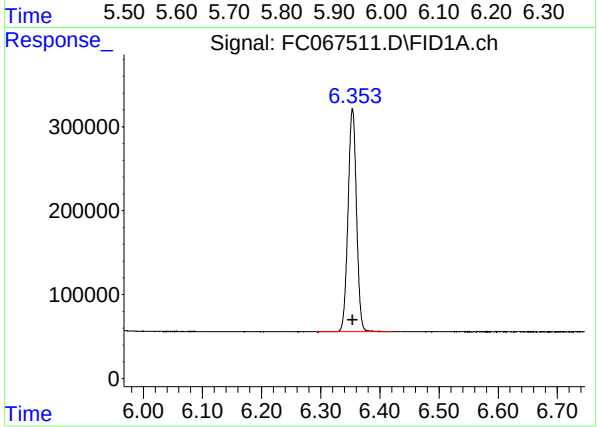
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2649286
Conc: 19.44 ug/ml



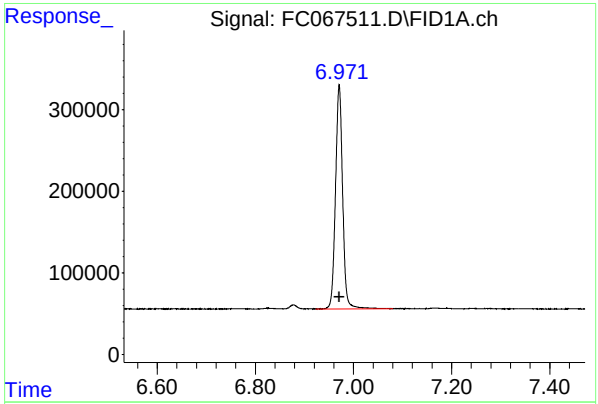
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2894144
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

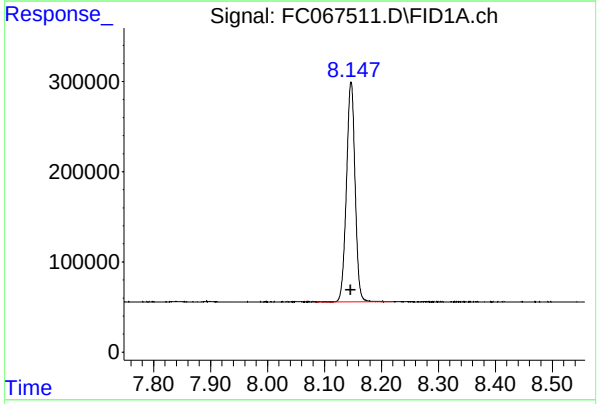
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2640477
Conc: 19.50 ug/ml



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

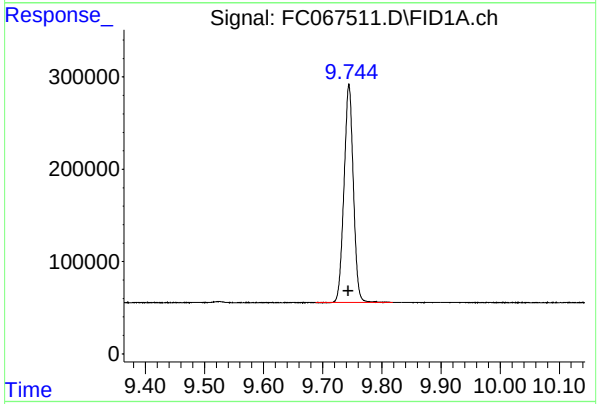
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2771002
Conc: 19.62 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



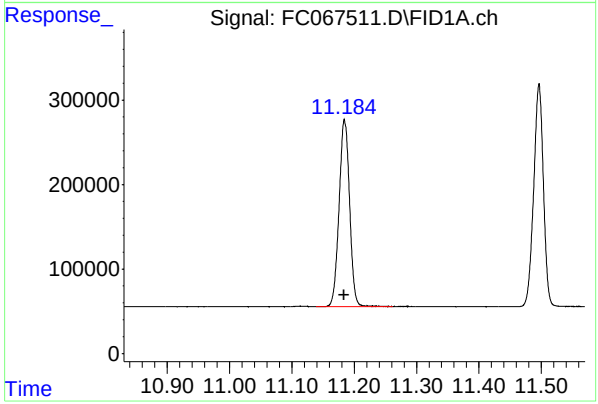
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.000 min
Response: 2559793
Conc: 19.50 ug/ml



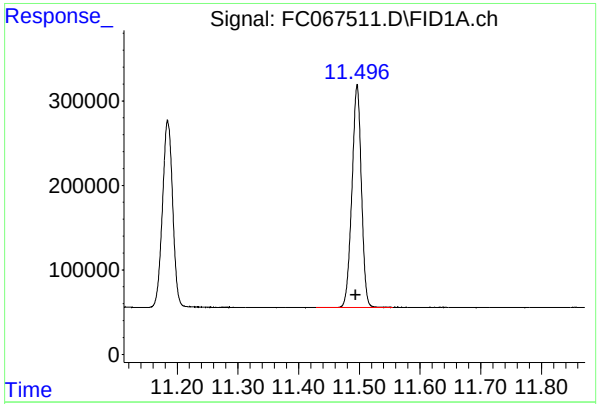
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 2585935
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

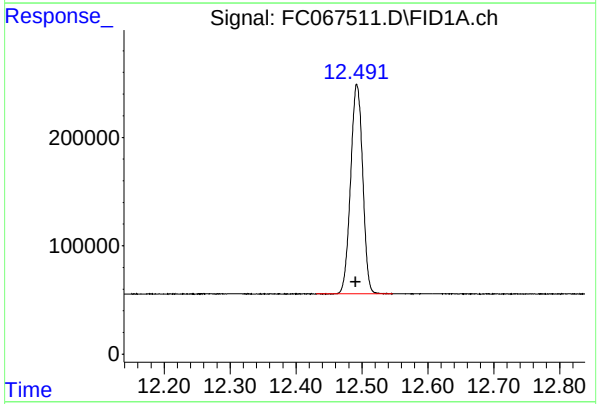
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2593351
Conc: 19.63 ug/ml



#9 ortho-Terphenyl (SURR)

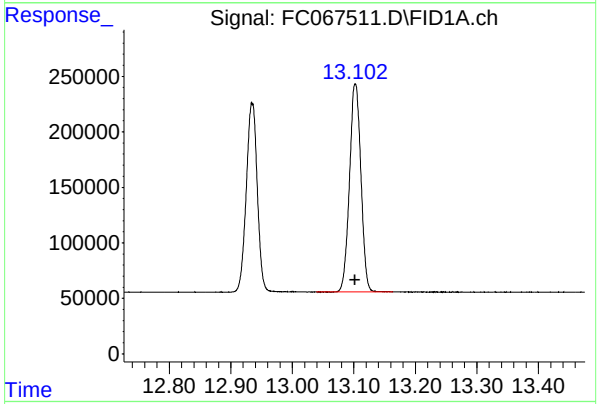
R.T.: 11.496 min
Delta R.T.: 0.002 min
Response: 2853188
Conc: 19.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



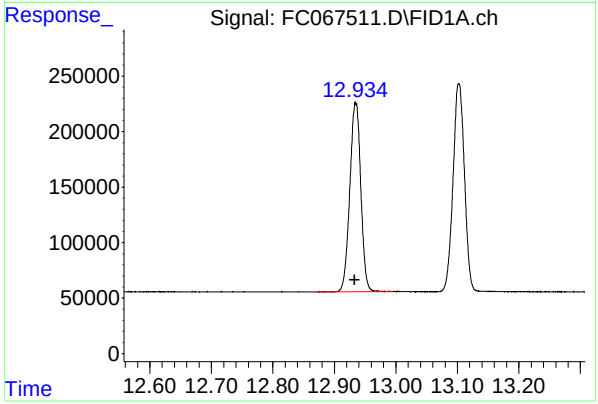
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.002 min
Response: 2466507
Conc: 19.55 ug/ml



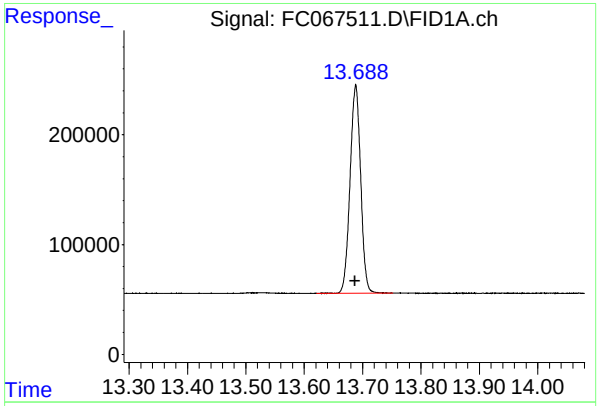
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2414000
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

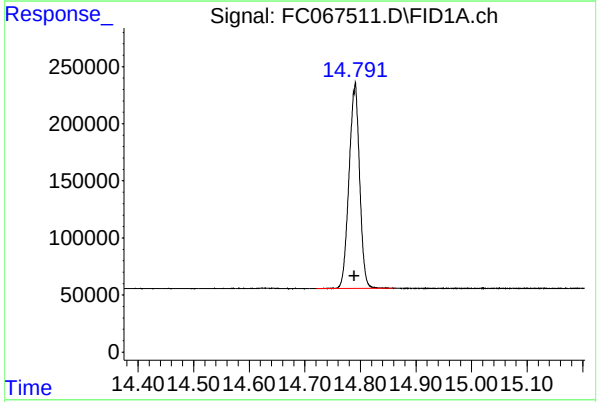
R.T.: 12.935 min
Delta R.T.: 0.002 min
Response: 2112213
Conc: 19.56 ug/ml



#13 n-Docosane (C22)

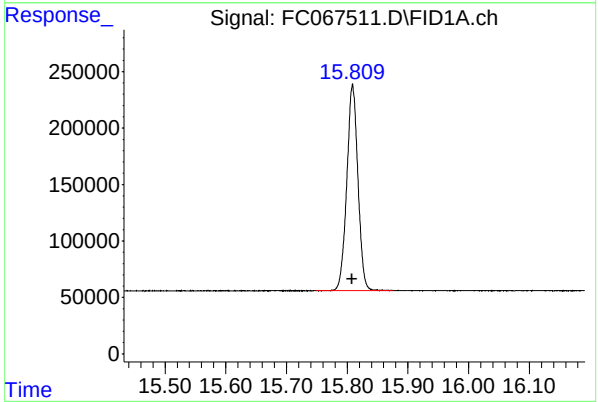
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2390568
Conc: 19.52 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



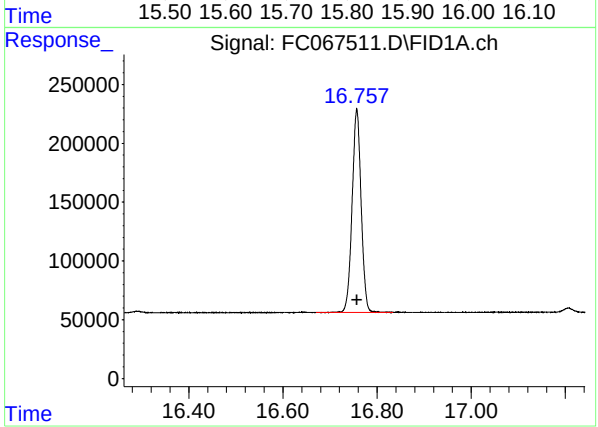
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2369147
Conc: 19.55 ug/ml



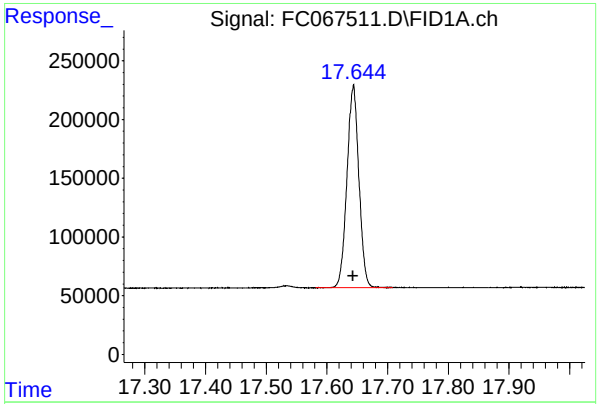
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.001 min
Response: 2326770
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

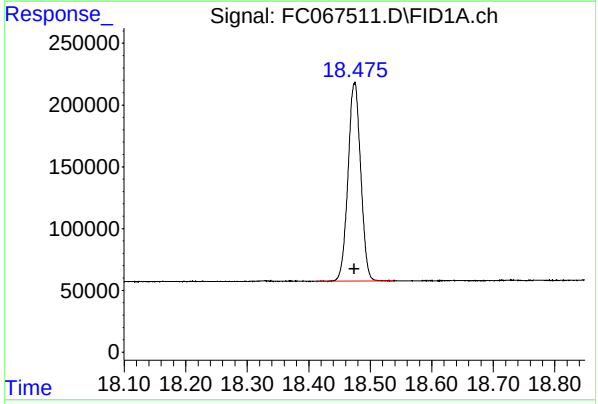
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2297199
Conc: 19.53 ug/ml



#17 n-Tricontane (C30)

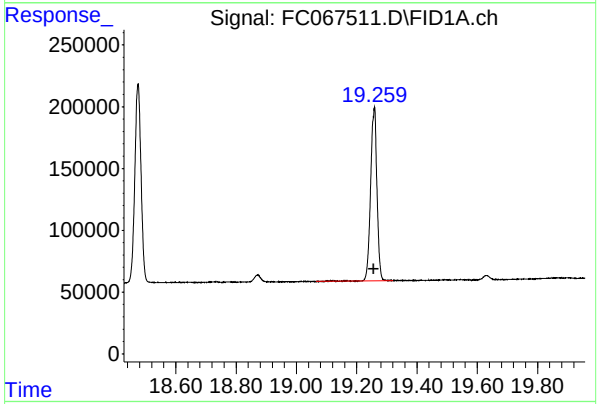
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 2353840
Conc: 19.47 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



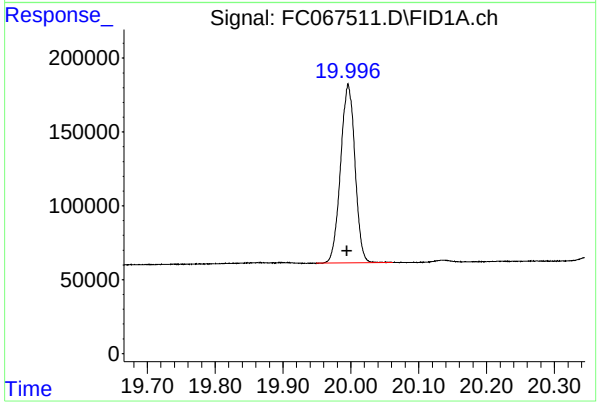
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 2301371
Conc: 19.45 ug/ml



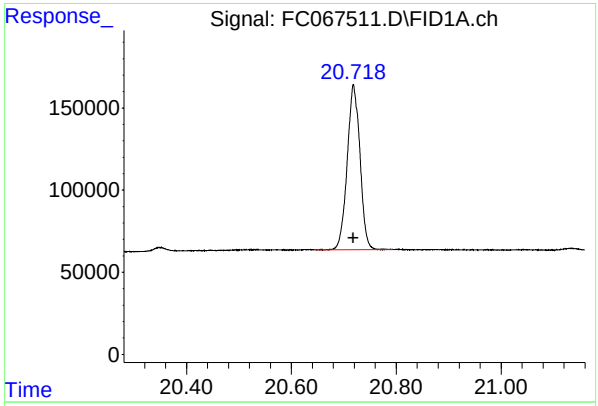
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.002 min
Response: 2044186
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

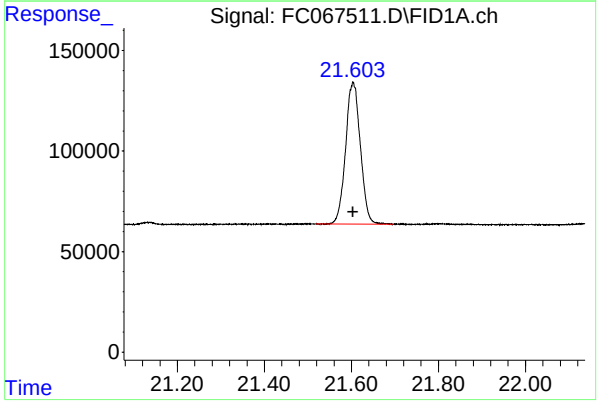
R.T.: 19.996 min
Delta R.T.: 0.002 min
Response: 1784212
Conc: 19.60 ug/ml



#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

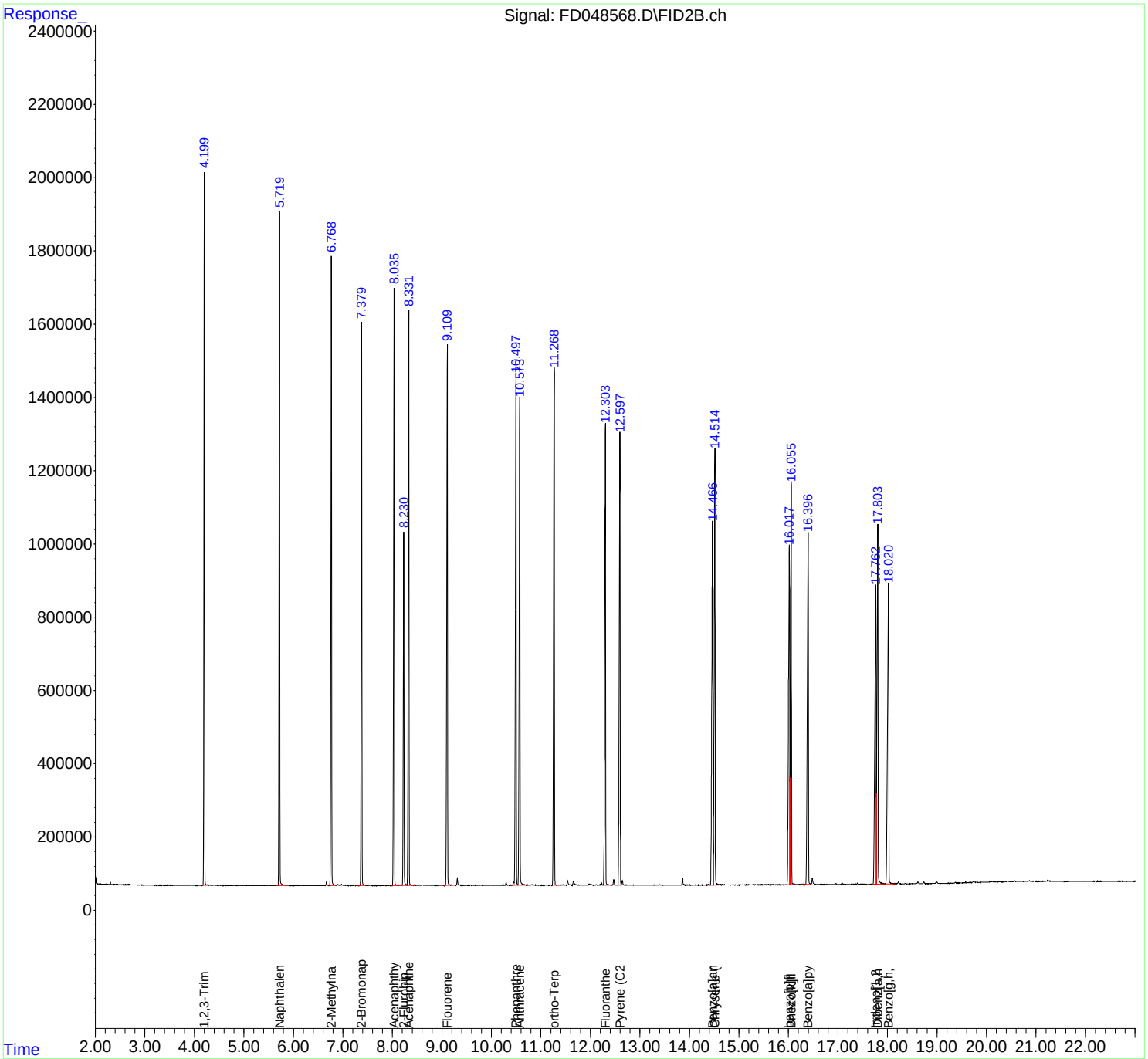
(f)=RT Delta > 1/2 Window (m)=manual int.

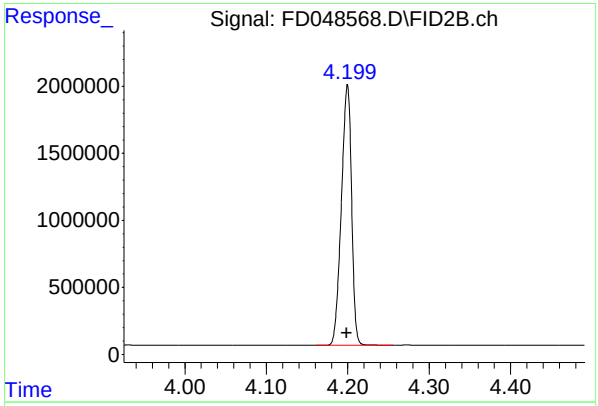
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

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

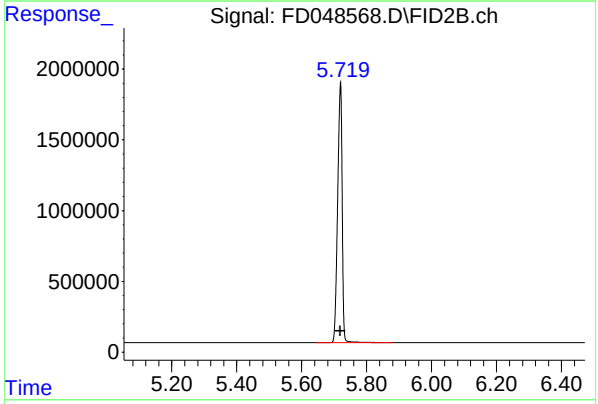




#1 1,2,3-Trimethylbenzene (C10.1)

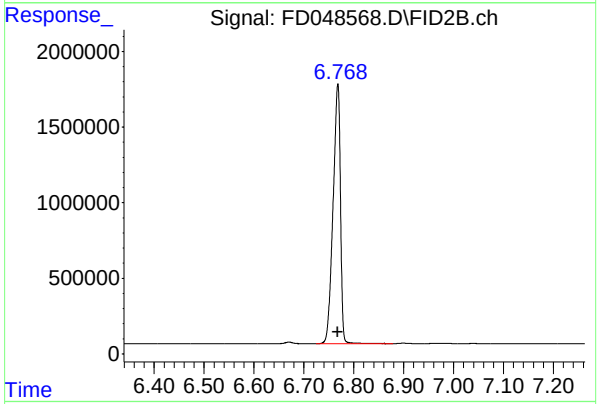
R.T.: 4.199 min
Delta R.T.: 0.000 min
Response: 16947170
Conc: 98.91 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



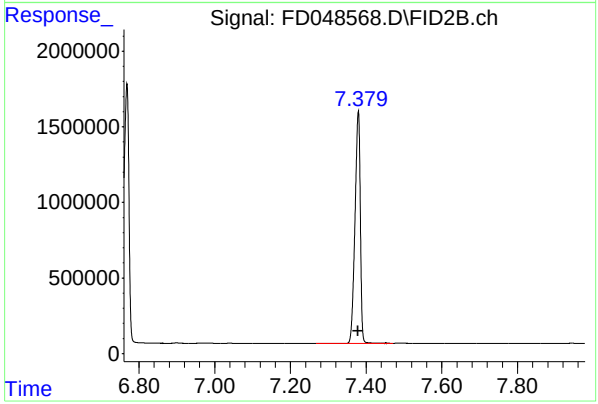
#2 Naphthalene (C11.7)

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 17612911
Conc: 98.94 ug/ml



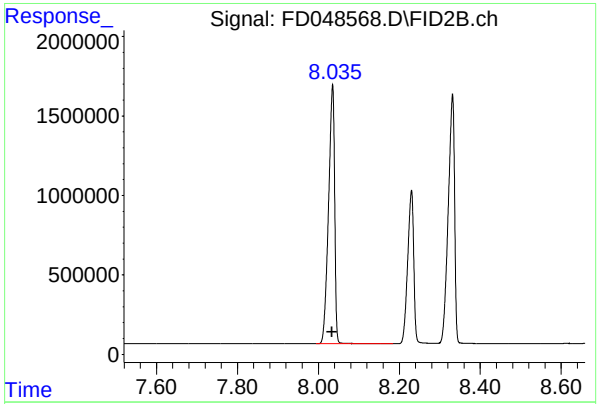
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 17624448
Conc: 99.00 ug/ml



#4 2-Bromonaphthalene (SURR)

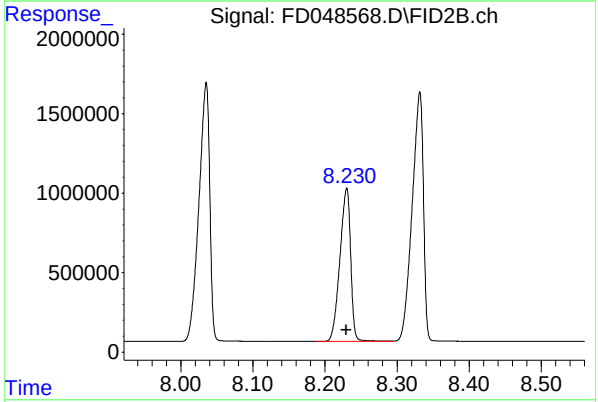
R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 14919837
Conc: 98.96 ug/ml



#5 Acenaphthylene (C15.06)

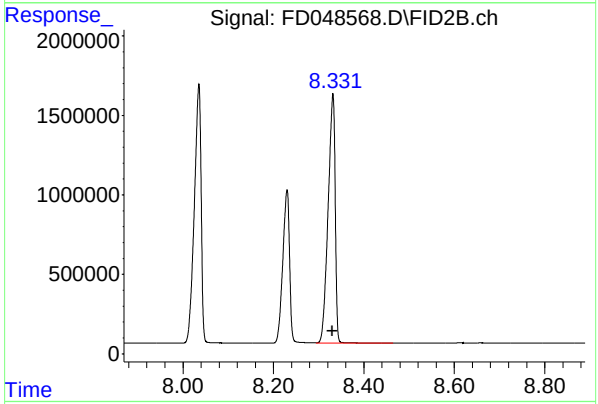
R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 17045088
Conc: 98.40 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



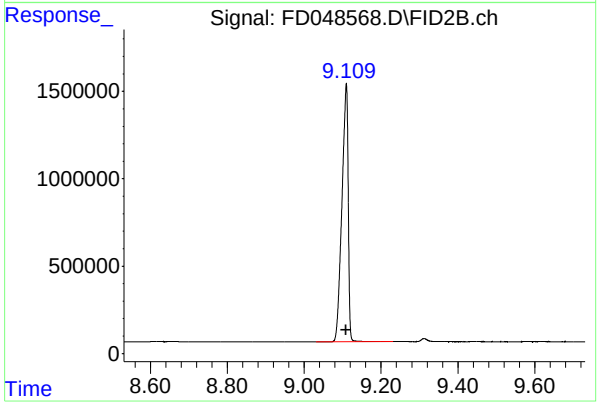
#6 2-Flurobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 10015694
Conc: 100.12 ug/ml



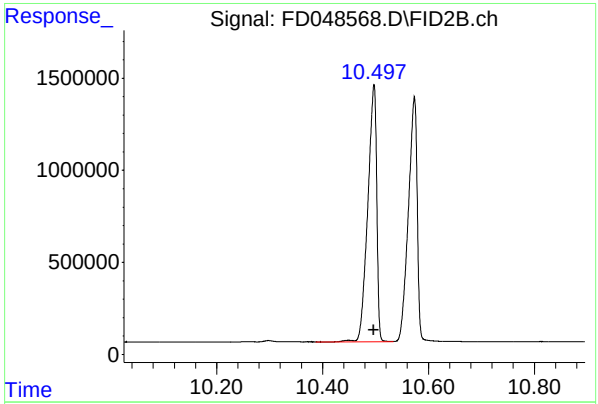
#7 Acenaphthene (C15.5)

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 17086977
Conc: 98.17 ug/ml



#8 Flouorene (C16.55)

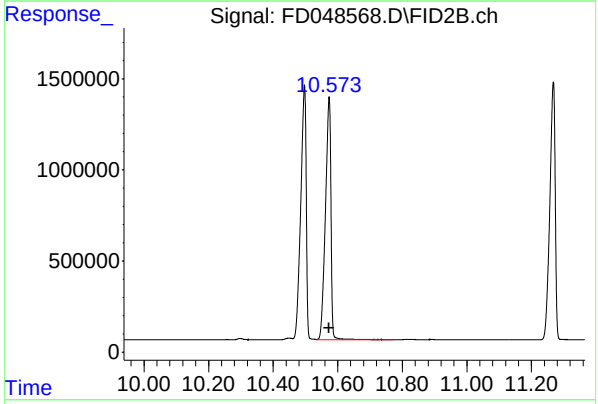
R.T.: 9.109 min
Delta R.T.: 0.000 min
Response: 16673063
Conc: 98.96 ug/ml



#9 Phenanthrene (C19.36)

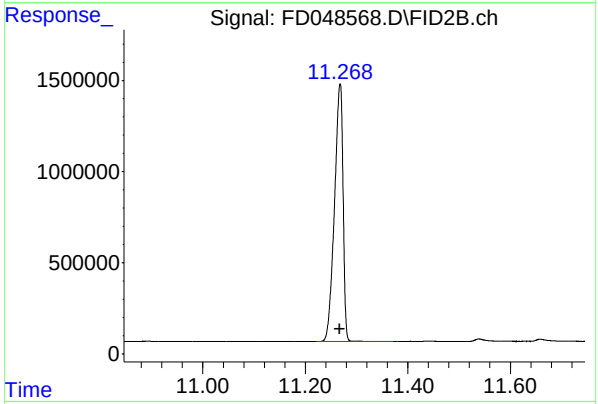
R.T.: 10.496 min
Delta R.T.: 0.000 min
Response: 16410378
Conc: 99.31 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



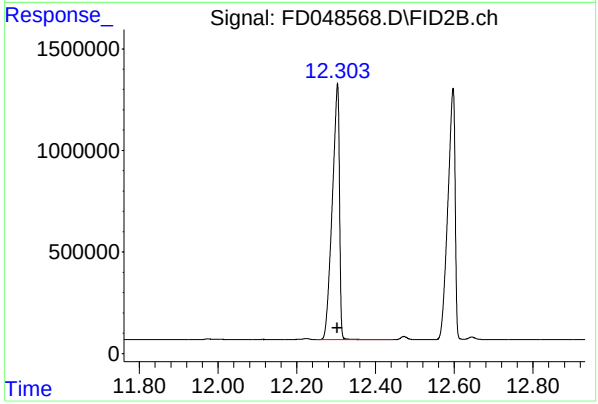
#10 Anthracene (C19.43)

R.T.: 10.573 min
Delta R.T.: 0.000 min
Response: 15569819
Conc: 98.44 ug/ml



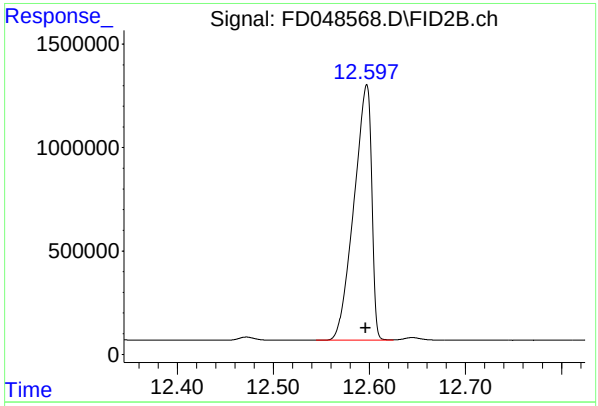
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.000 min
Response: 16385129
Conc: 98.29 ug/ml



#12 Fluoranthene (C21.85)

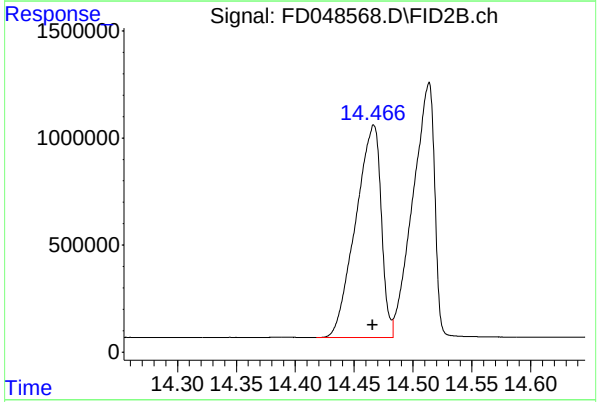
R.T.: 12.302 min
Delta R.T.: 0.000 min
Response: 15981856
Conc: 98.53 ug/ml



#13 Pyrene (C20.8)

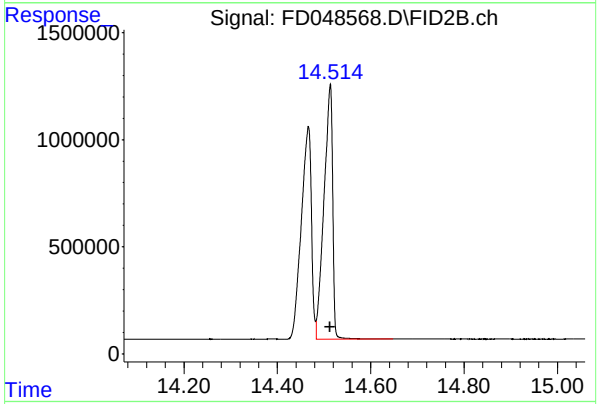
R.T.: 12.596 min
Delta R.T.: 0.000 min
Response: 15811187
Conc: 98.99 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



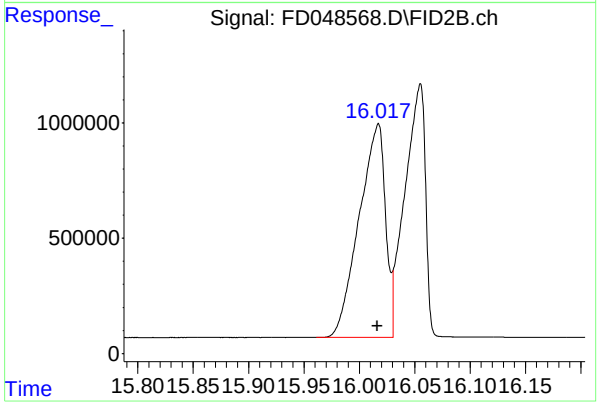
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.000 min
Response: 14979852
Conc: 100.19 ug/ml



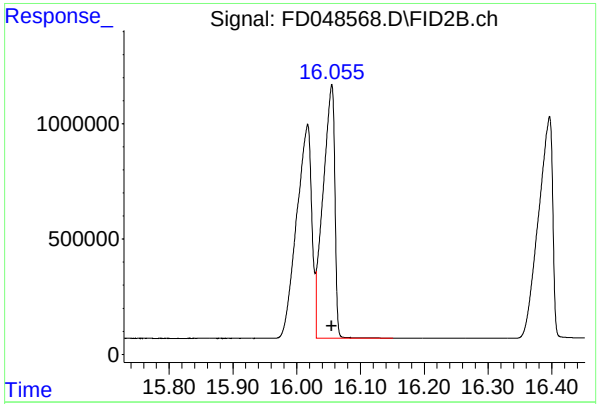
#15 Chrysene (C27.41)

R.T.: 14.512 min
Delta R.T.: 0.000 min
Response: 15332543
Conc: 97.08 ug/ml



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

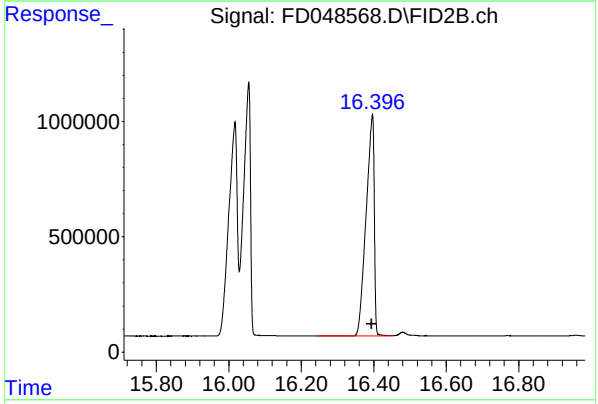
R.T.: 16.016 min
Delta R.T.: 0.000 min
Response: 15350623
Conc: 99.93 ug/ml



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

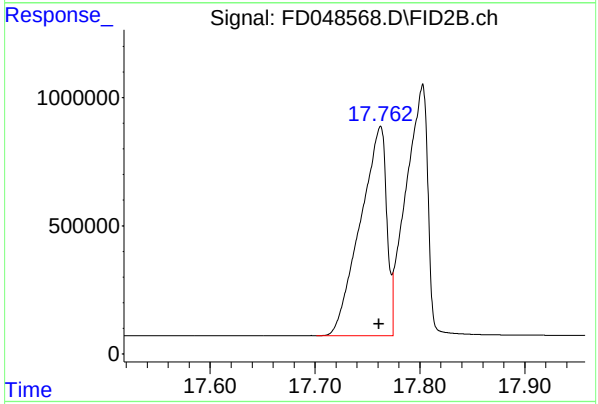
R.T.: 16.054 min
Delta R.T.: -0.001 mi
Response: 14161475
Conc: 97.90 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



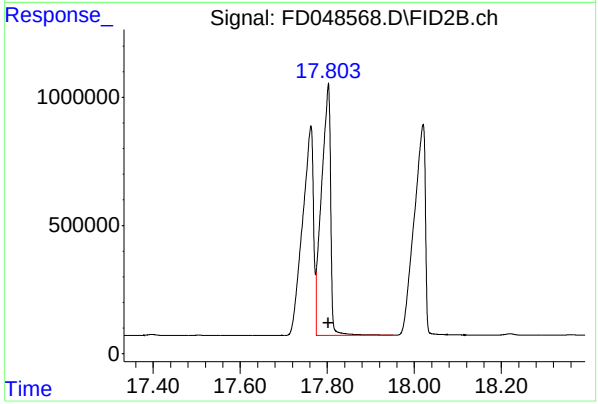
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.000 min
Response: 14921521
Conc: 99.31 ug/ml



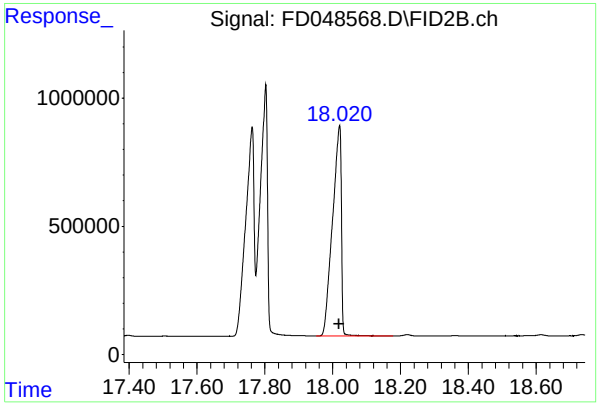
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

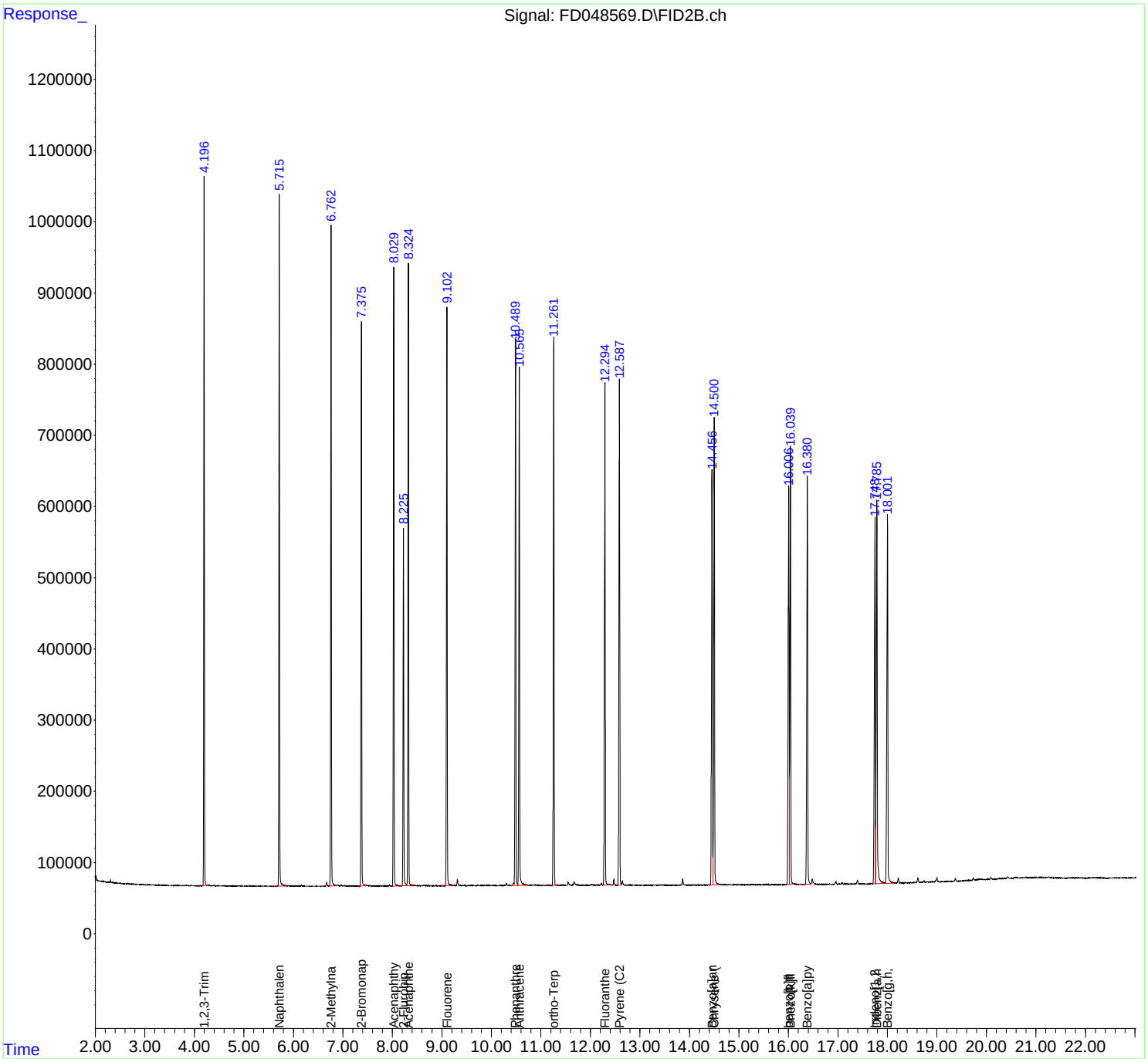
(f)=RT Delta > 1/2 Window (m)=manual int.

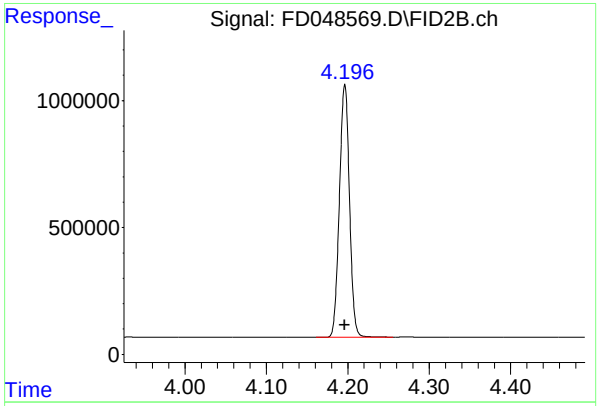
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

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

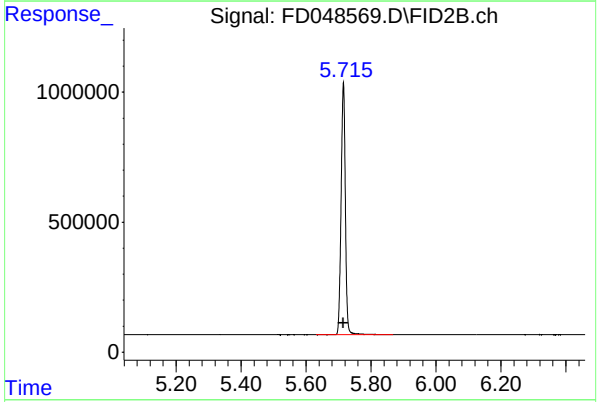




#1 1,2,3-Trimethylbenzene (C10.1)

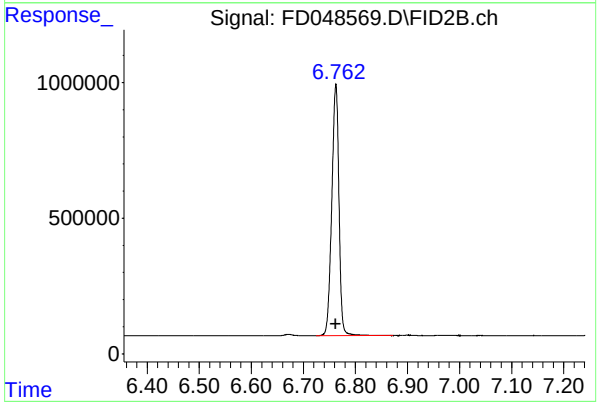
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 8539641
Conc: 49.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



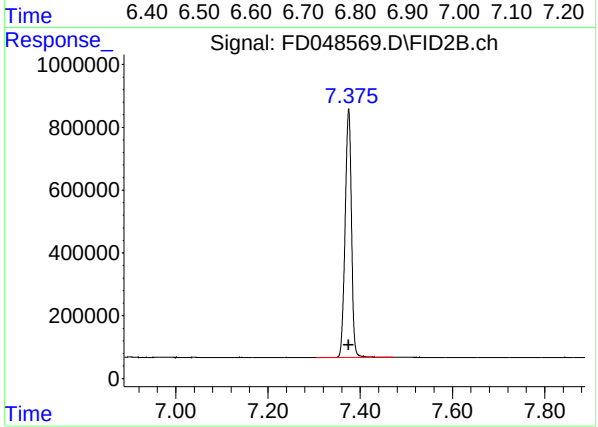
#2 Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 8873483
Conc: 49.90 ug/ml



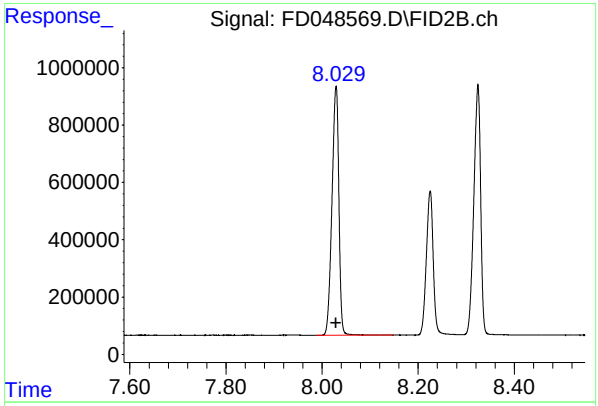
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 8891978
Conc: 49.97 ug/ml



#4 2-Bromonaphthalene (SURR)

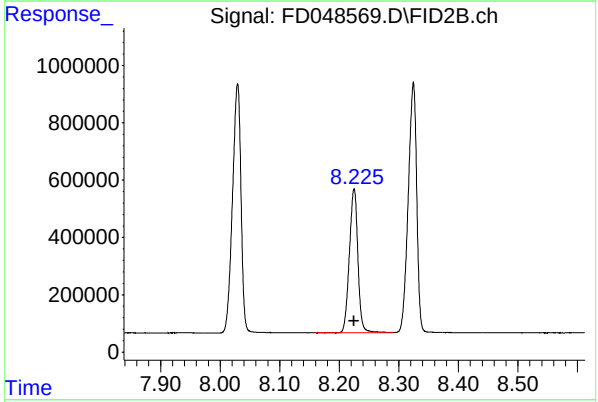
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 7529591
Conc: 49.96 ug/ml



#5 Acenaphthylene (C15.06)

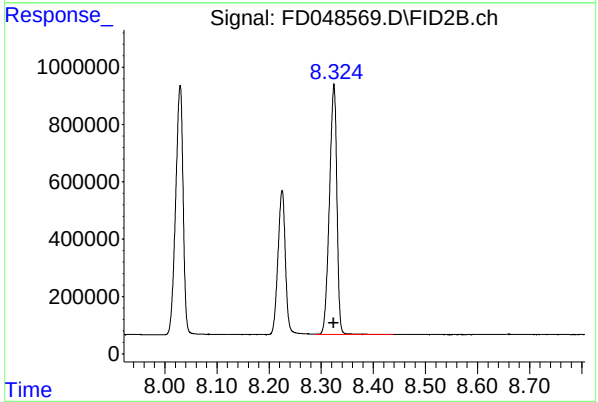
R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 8649197
Conc: 49.95 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



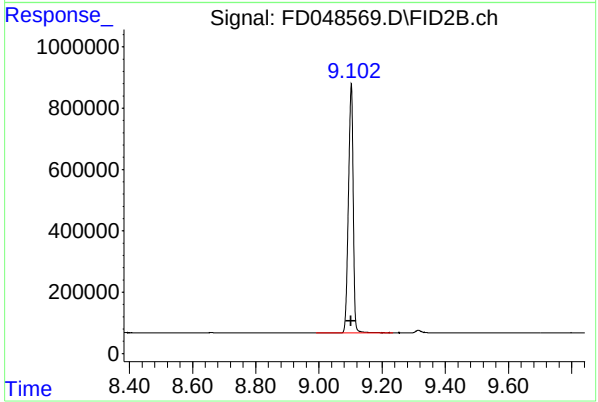
#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 5021501
Conc: 50.13 ug/ml



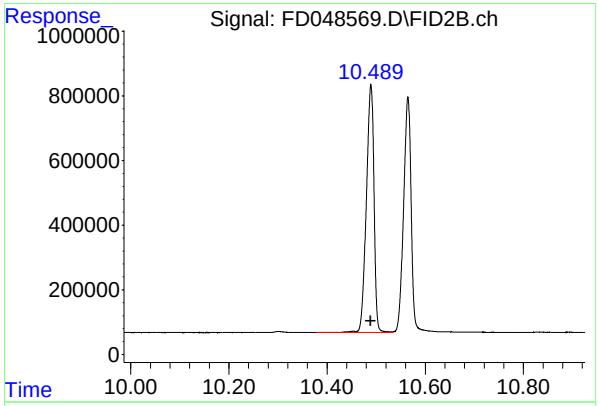
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 8673178
Conc: 49.89 ug/ml



#8 Flouorene (C16.55)

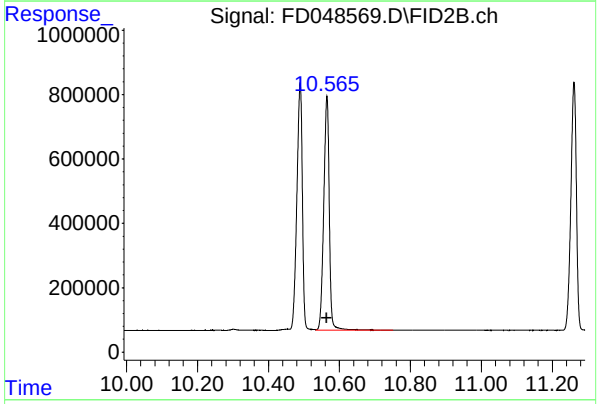
R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 8428307
Conc: 50.02 ug/ml



#9 Phenanthrene (C19.36)

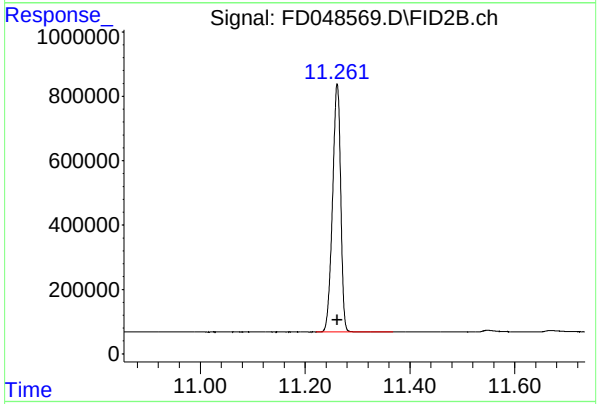
R.T.: 10.489 min
Delta R.T.: 0.000 min
Response: 8272929
Conc: 50.04 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



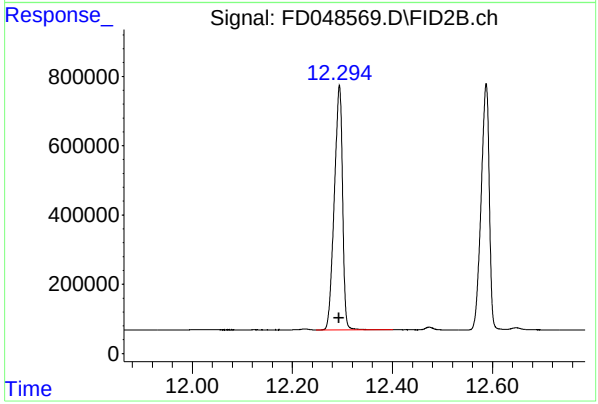
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 7888616
Conc: 49.92 ug/ml



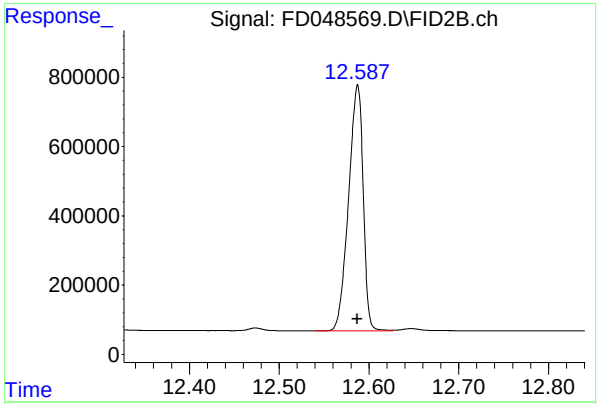
#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 8334280
Conc: 50.00 ug/ml



#12 Fluoranthene (C21.85)

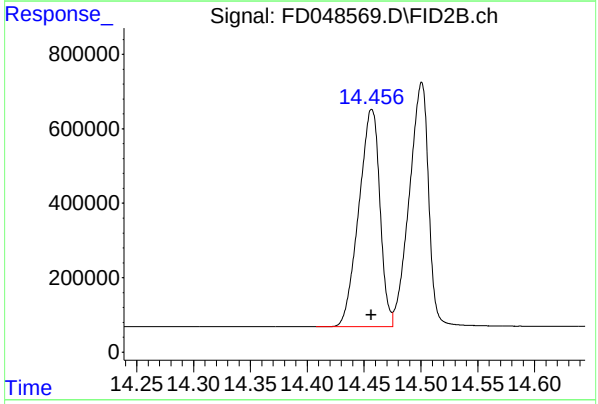
R.T.: 12.294 min
Delta R.T.: 0.000 min
Response: 8076662
Conc: 49.86 ug/ml



#13 Pyrene (C20.8)

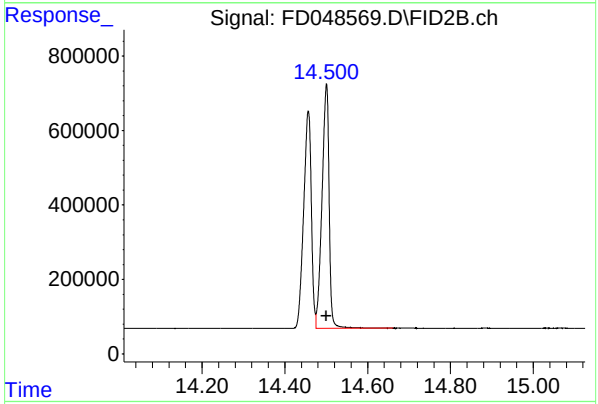
R.T.: 12.587 min
Delta R.T.: 0.000 min
Response: 8025067
Conc: 50.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



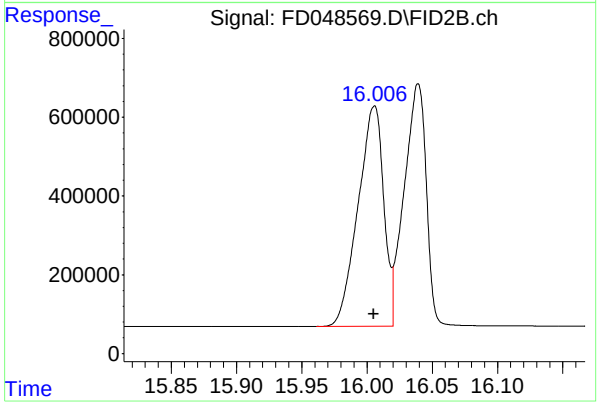
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.000 min
Response: 7527575
Conc: 50.23 ug/ml



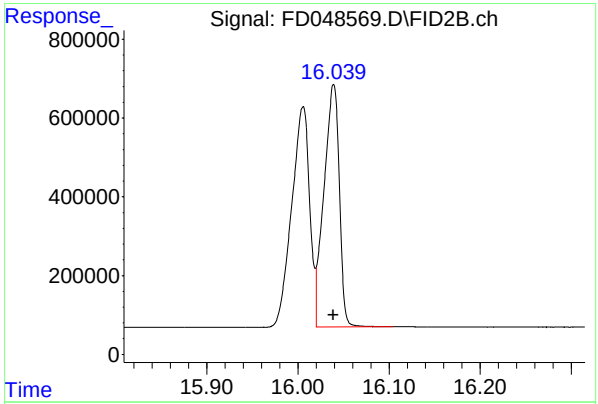
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.000 min
Response: 7833293
Conc: 49.73 ug/ml



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

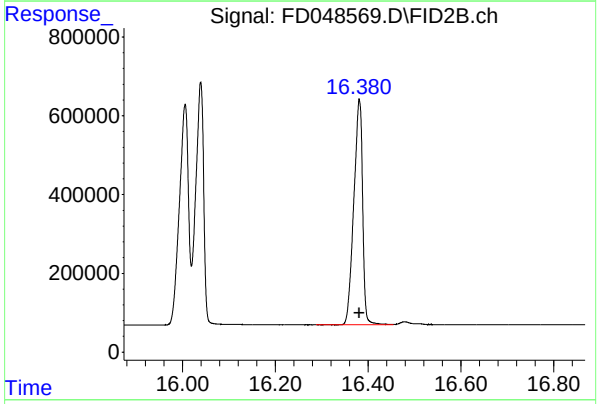
R.T.: 16.005 min
Delta R.T.: 0.000 min
Response: 7671770
Conc: 49.96 ug/ml



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

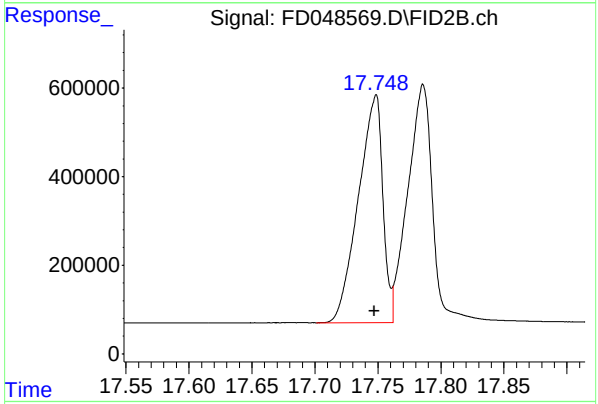
R.T.: 16.039 min
Delta R.T.: 0.000 min
Response: 7231888
Conc: 49.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



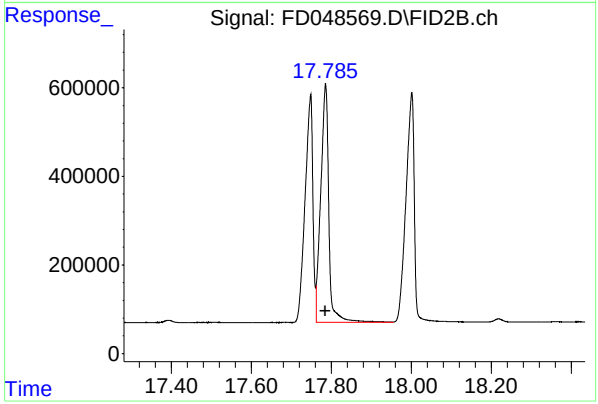
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 7547267
Conc: 50.15 ug/ml



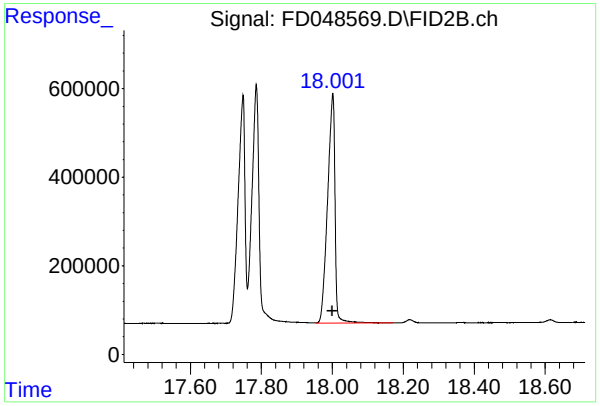
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

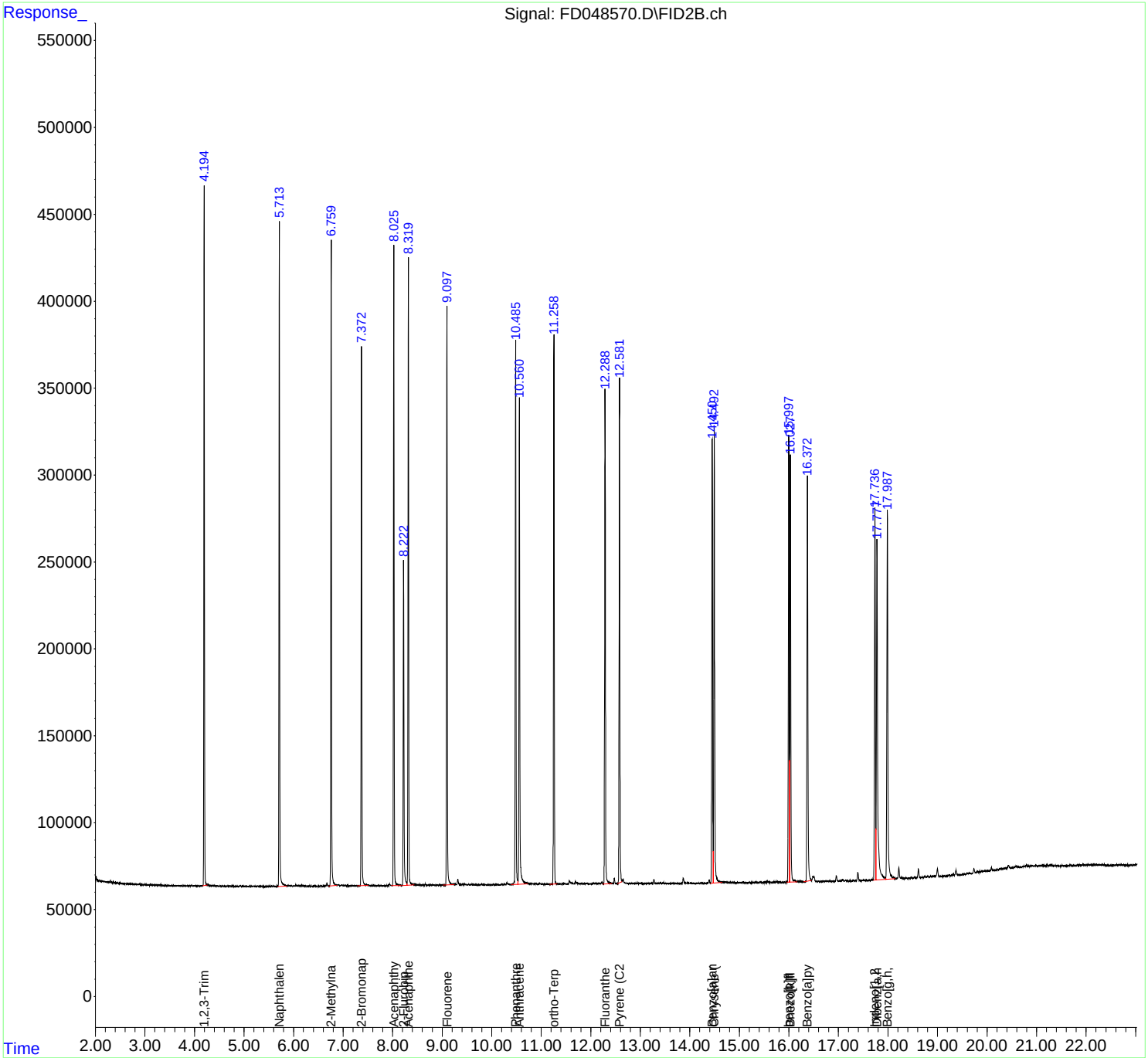
(f)=RT Delta > 1/2 Window (m)=manual int.

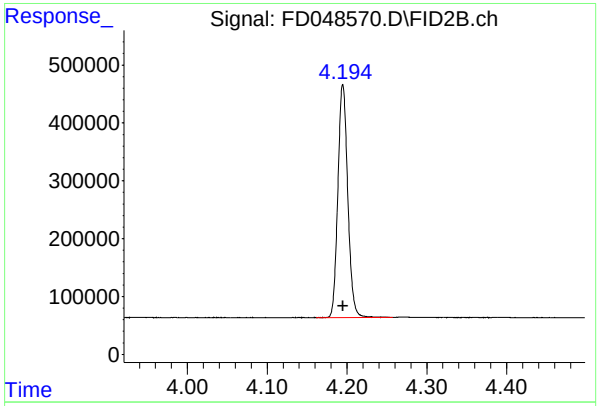
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

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

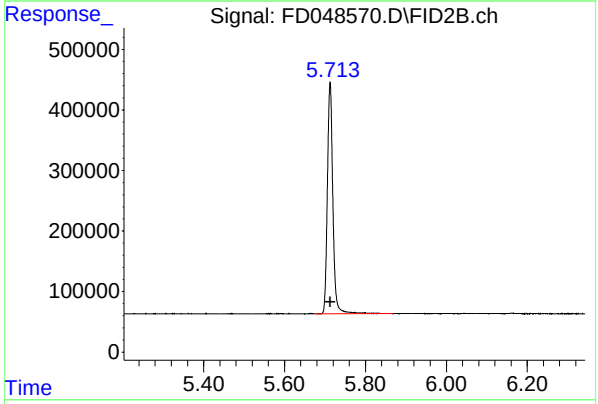




#1 1,2,3-Trimethylbenzene (C10.1)

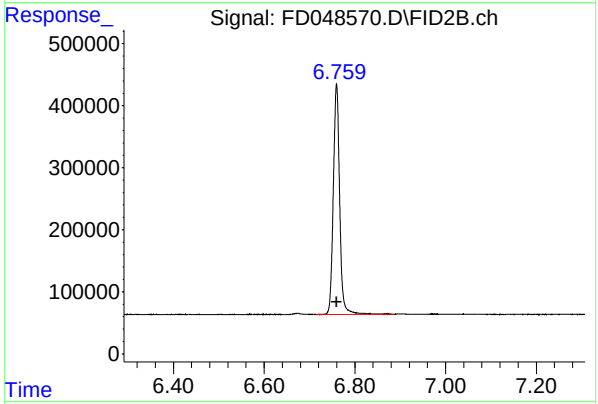
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 3464073
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



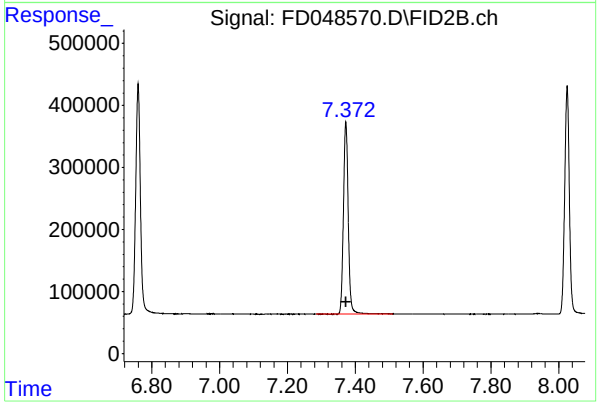
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 3597996
Conc: 20.00 ug/ml



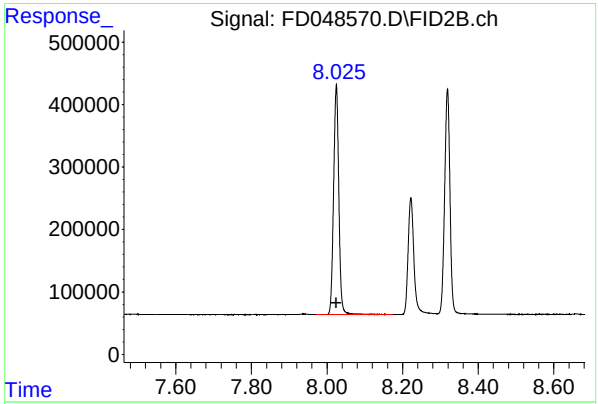
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 3595810
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

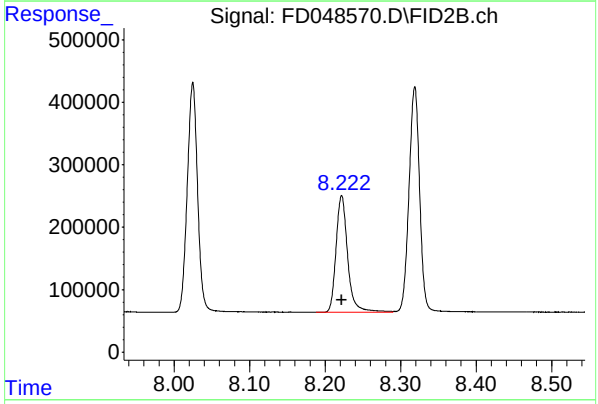
R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 3046545
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

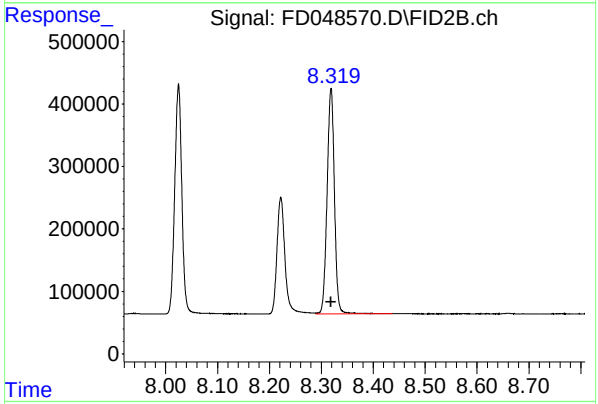
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 3519888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



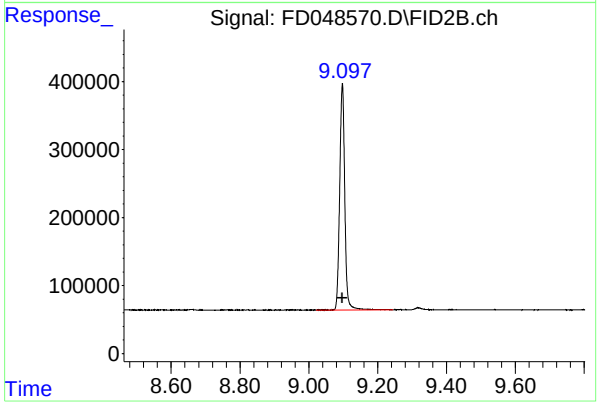
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: 0.000 min
Response: 1998164
Conc: 20.00 ug/ml



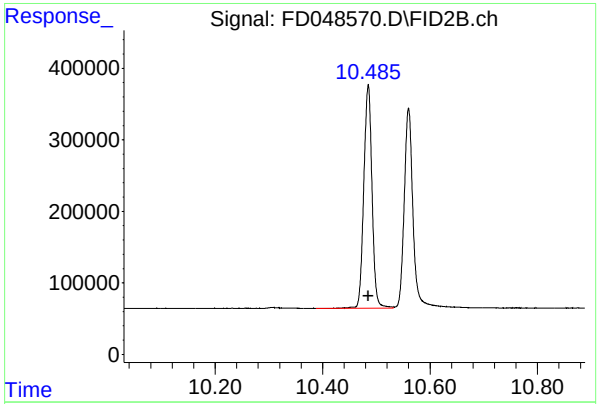
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3544868
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

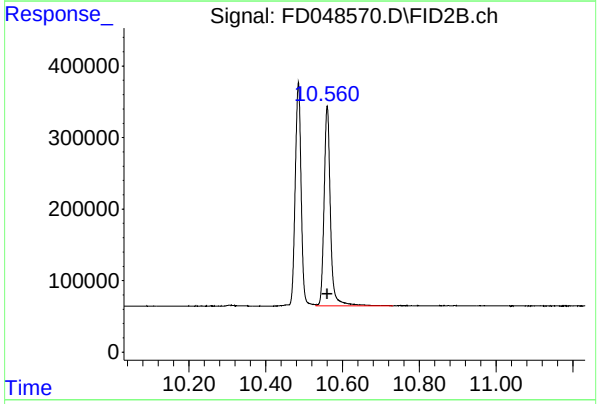
R.T.: 9.097 min
Delta R.T.: 0.000 min
Response: 3404430
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

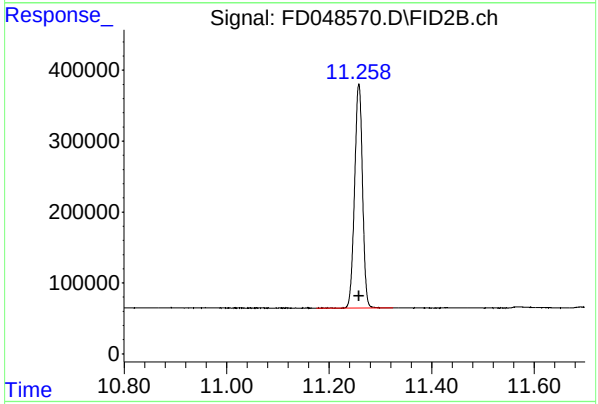
R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 3327445
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



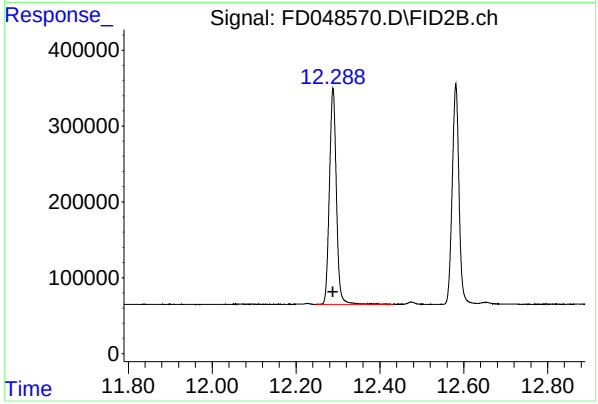
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 3212978
Conc: 20.00 ug/ml



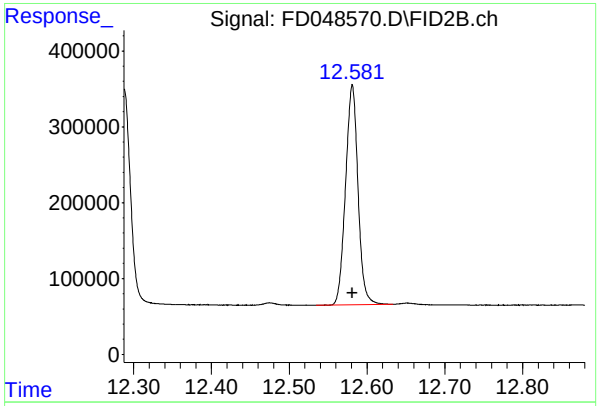
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3391146
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

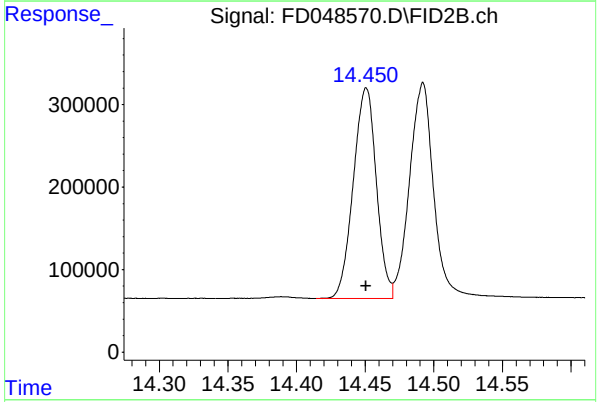
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 3291616
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

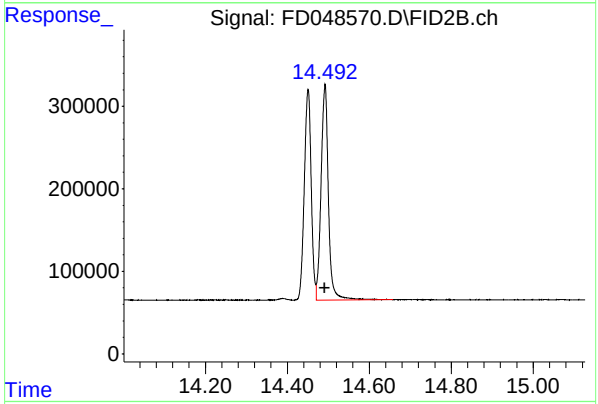
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 3226732
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



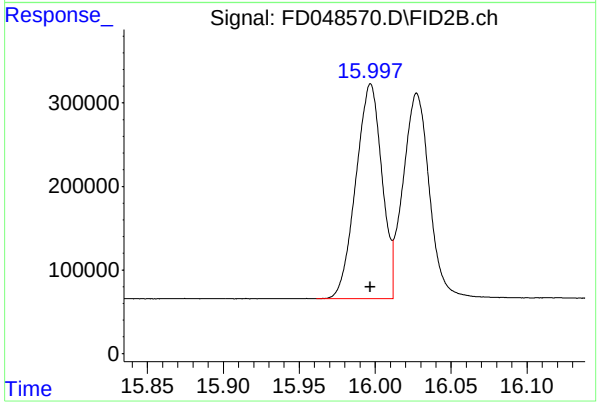
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: 0.000 min
Response: 2984688
Conc: 20.00 ug/ml



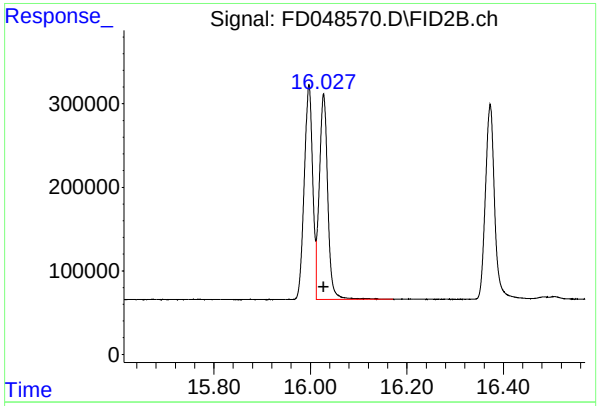
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 3250919
Conc: 20.00 ug/ml



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

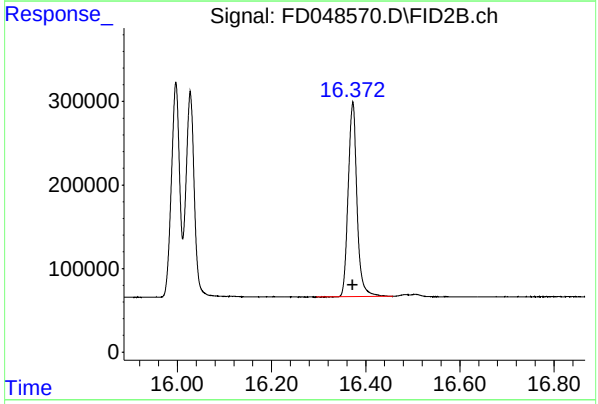
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3074553
Conc: 20.00 ug/ml



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

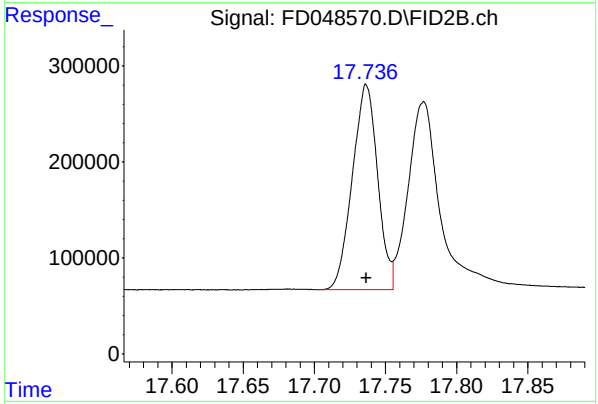
R.T.: 16.027 min
Delta R.T.: 0.000 min
Response: 3023398
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



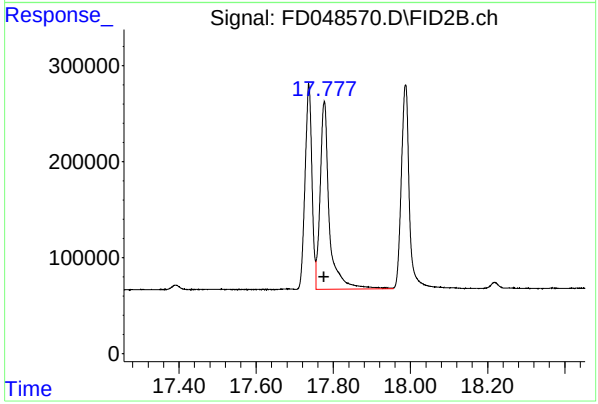
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.000 min
Response: 3026012
Conc: 20.00 ug/ml



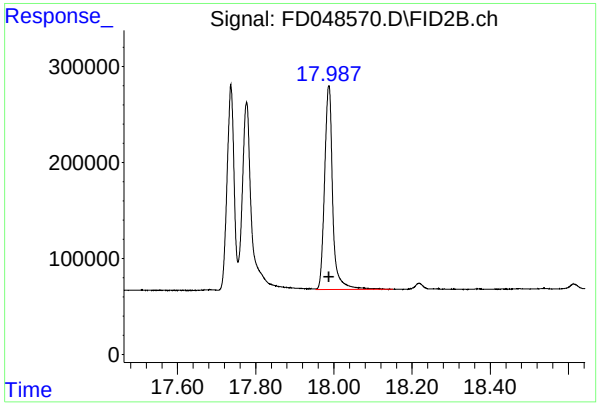
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

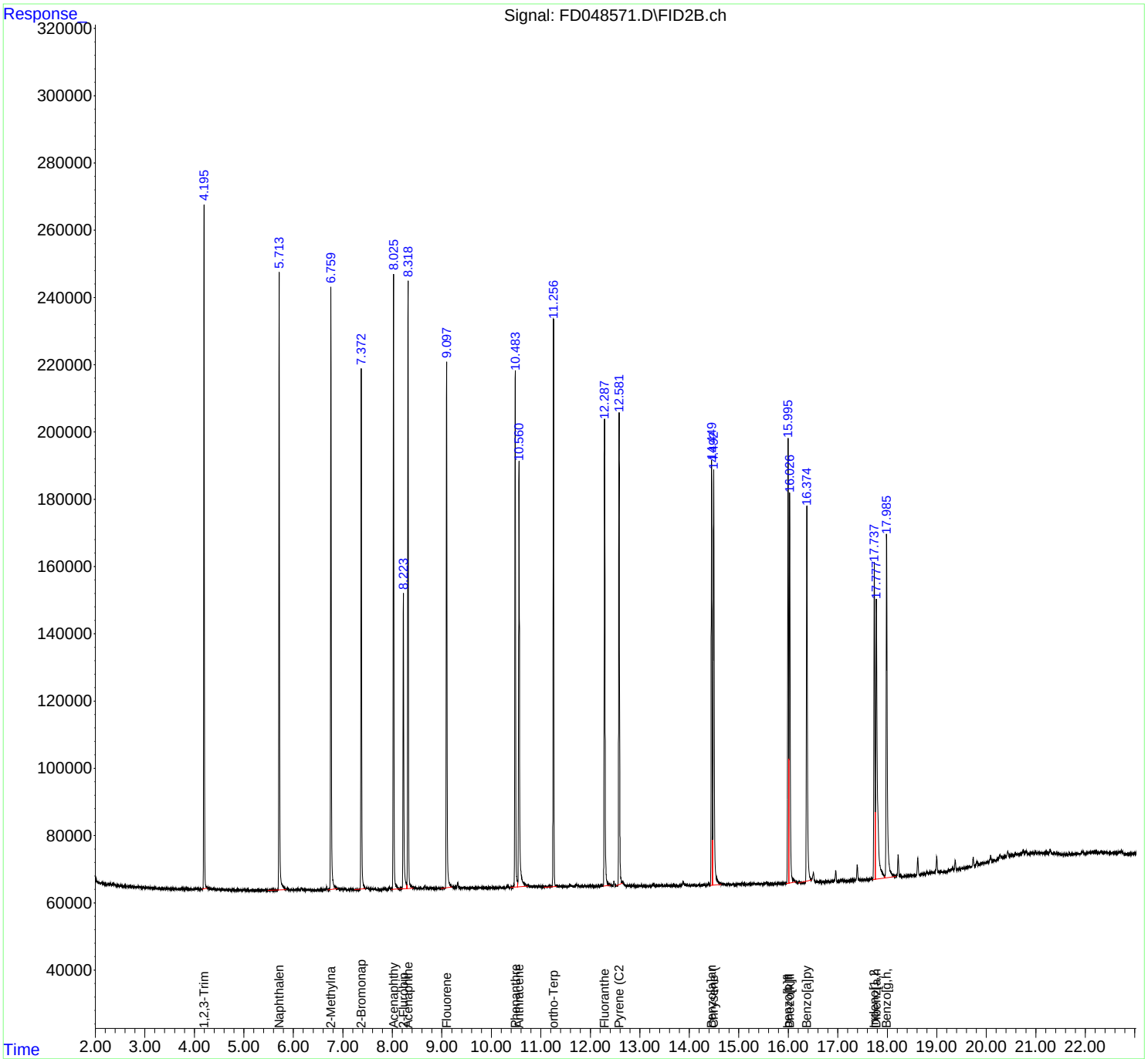
(f)=RT Delta > 1/2 Window (m)=manual int.

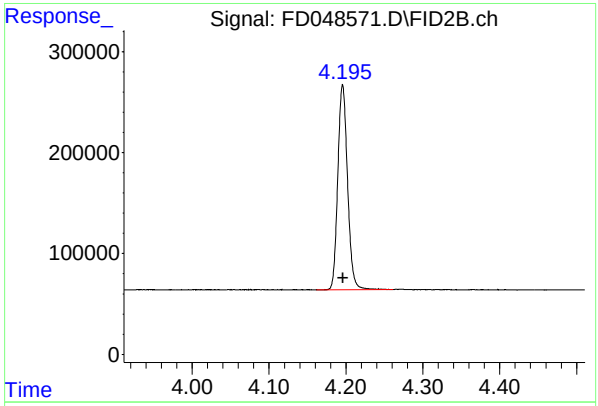
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

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

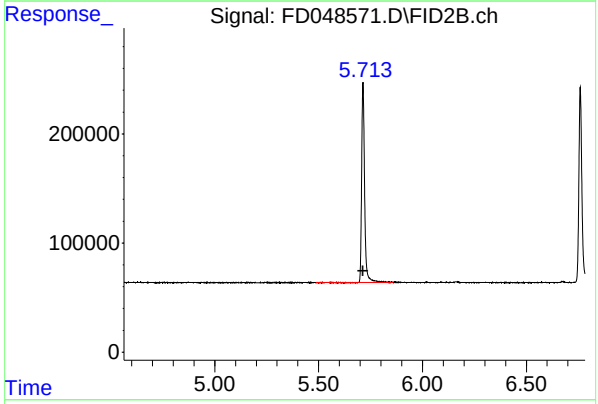




#1 1,2,3-Trimethylbenzene (C10.1)

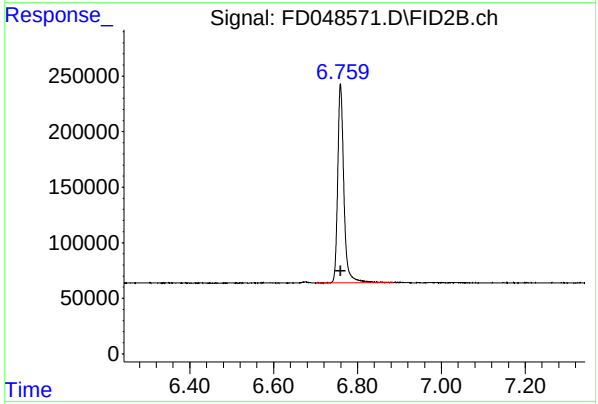
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 1780007
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



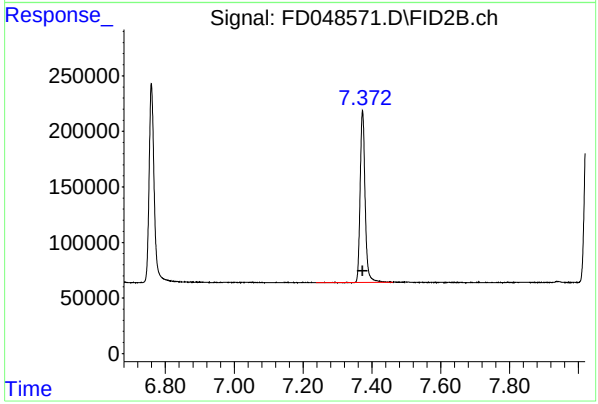
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 1822653
Conc: 10.19 ug/ml



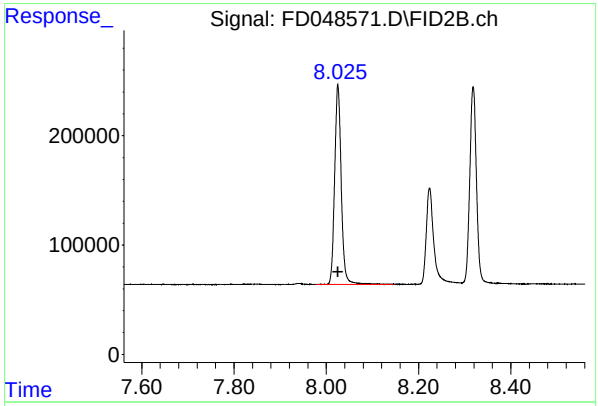
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 1826622
Conc: 10.20 ug/ml



#4 2-Bromonaphthalene (SURR)

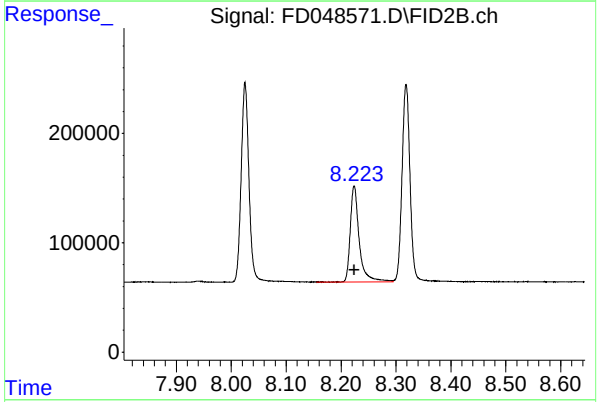
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 1535833
Conc: 10.14 ug/ml



#5 Acenaphthylene (C15.06)

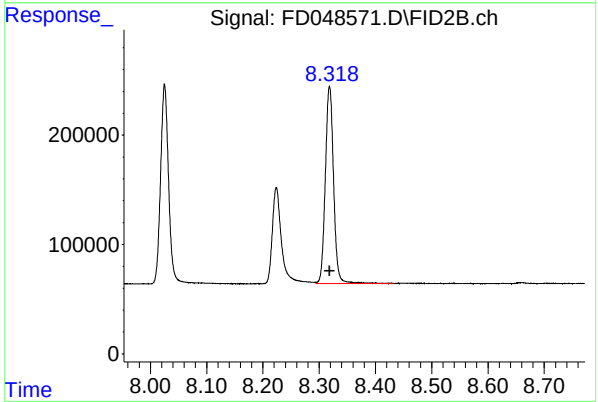
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 1809718
Conc: 10.34 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



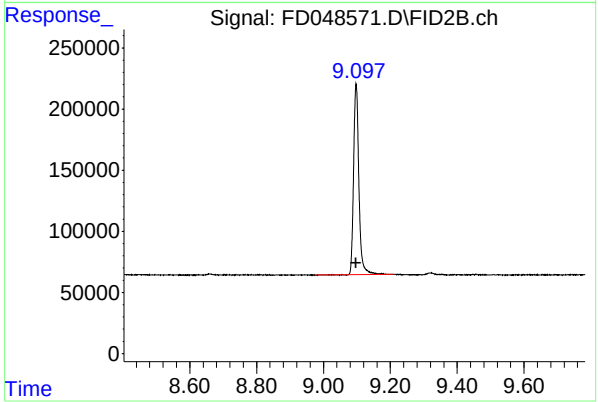
#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 998081
Conc: 9.97 ug/ml



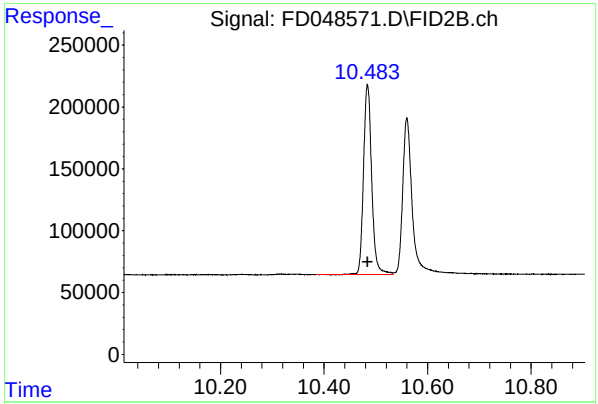
#7 Acenaphthene (C15.5)

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 1838643
Conc: 10.43 ug/ml



#8 Flouorene (C16.55)

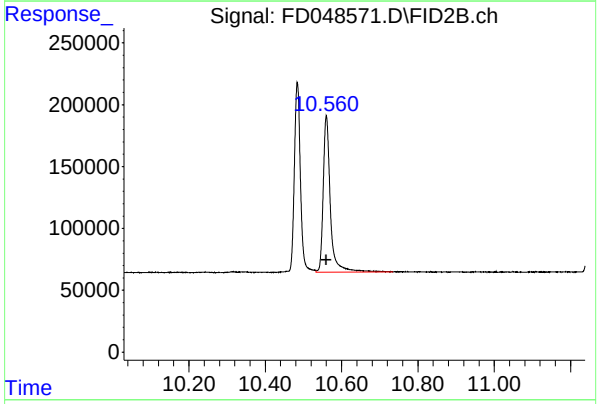
R.T.: 9.098 min
Delta R.T.: 0.000 min
Response: 1719817
Conc: 10.15 ug/ml



#9 Phenanthrene (C19.36)

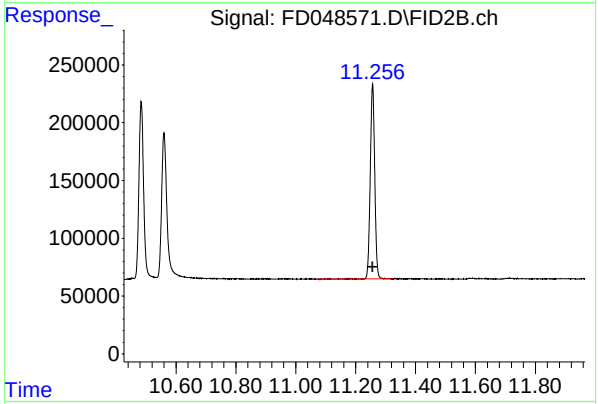
R.T.: 10.484 min
Delta R.T.: 0.000 min
Response: 1680489
Conc: 10.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



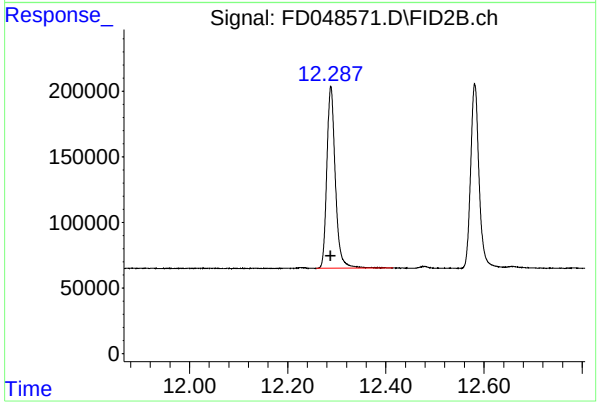
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 1635709
Conc: 10.26 ug/ml



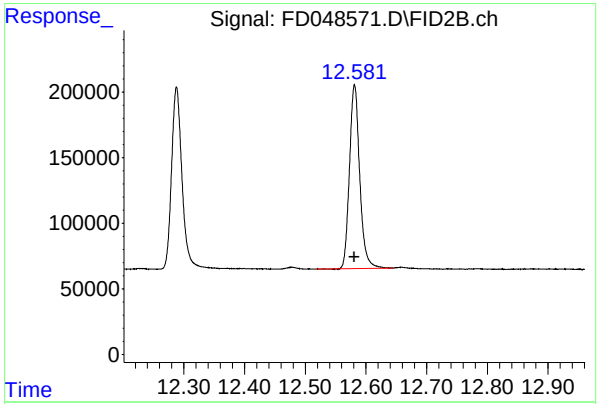
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 1758096
Conc: 10.40 ug/ml



#12 Fluoranthene (C21.85)

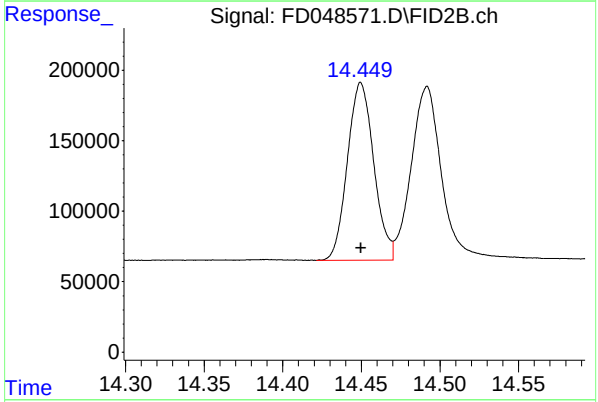
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 1671203
Conc: 10.24 ug/ml



#13 Pyrene (C20.8)

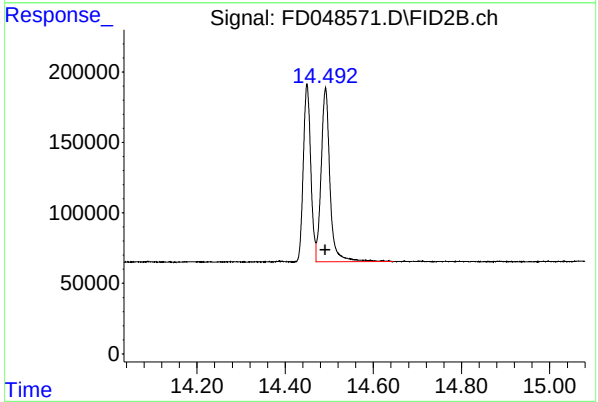
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 1639022
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



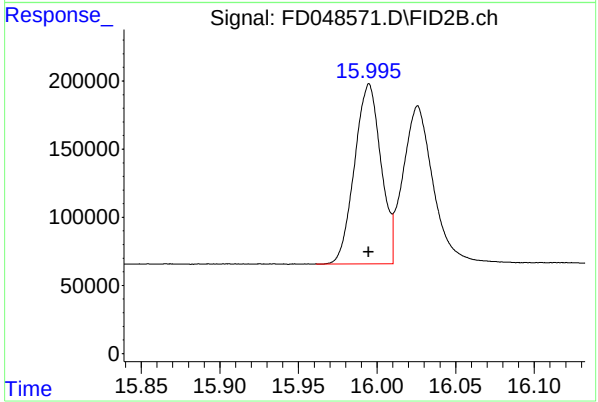
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 1472368
Conc: 9.87 ug/ml



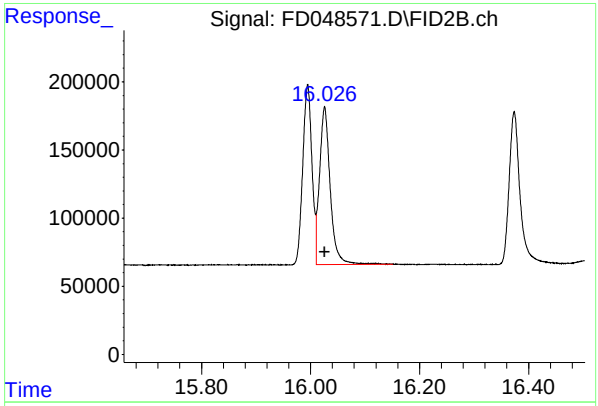
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: 0.000 min
Response: 1725560
Conc: 10.70 ug/ml



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

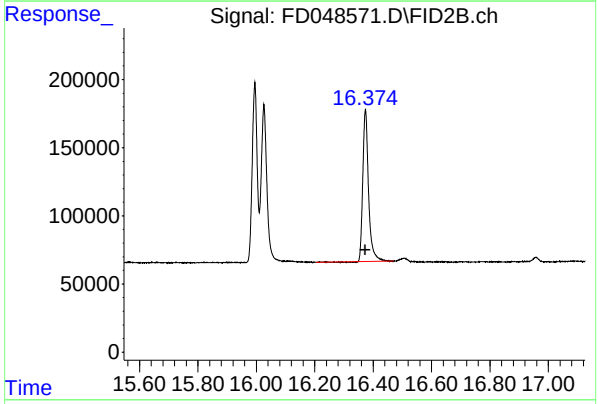
R.T.: 15.995 min
Delta R.T.: 0.000 min
Response: 1544713
Conc: 10.04 ug/ml



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

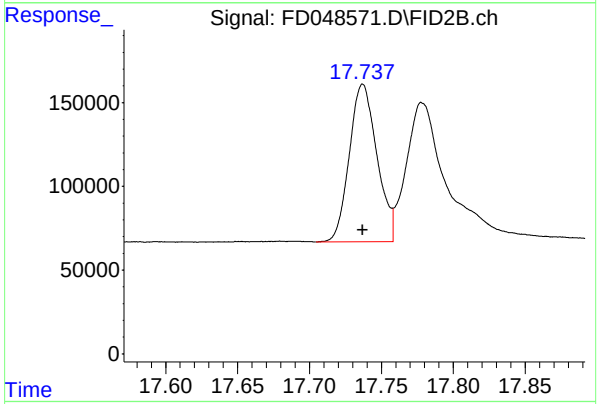
R.T.: 16.026 min
Delta R.T.: 0.000 min
Response: 1579300
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



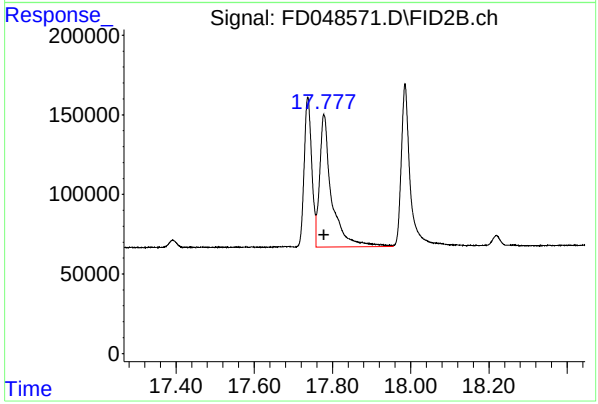
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1518079
Conc: 10.07 ug/ml



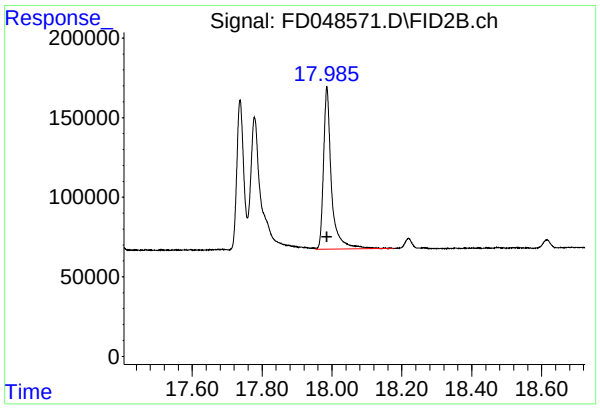
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

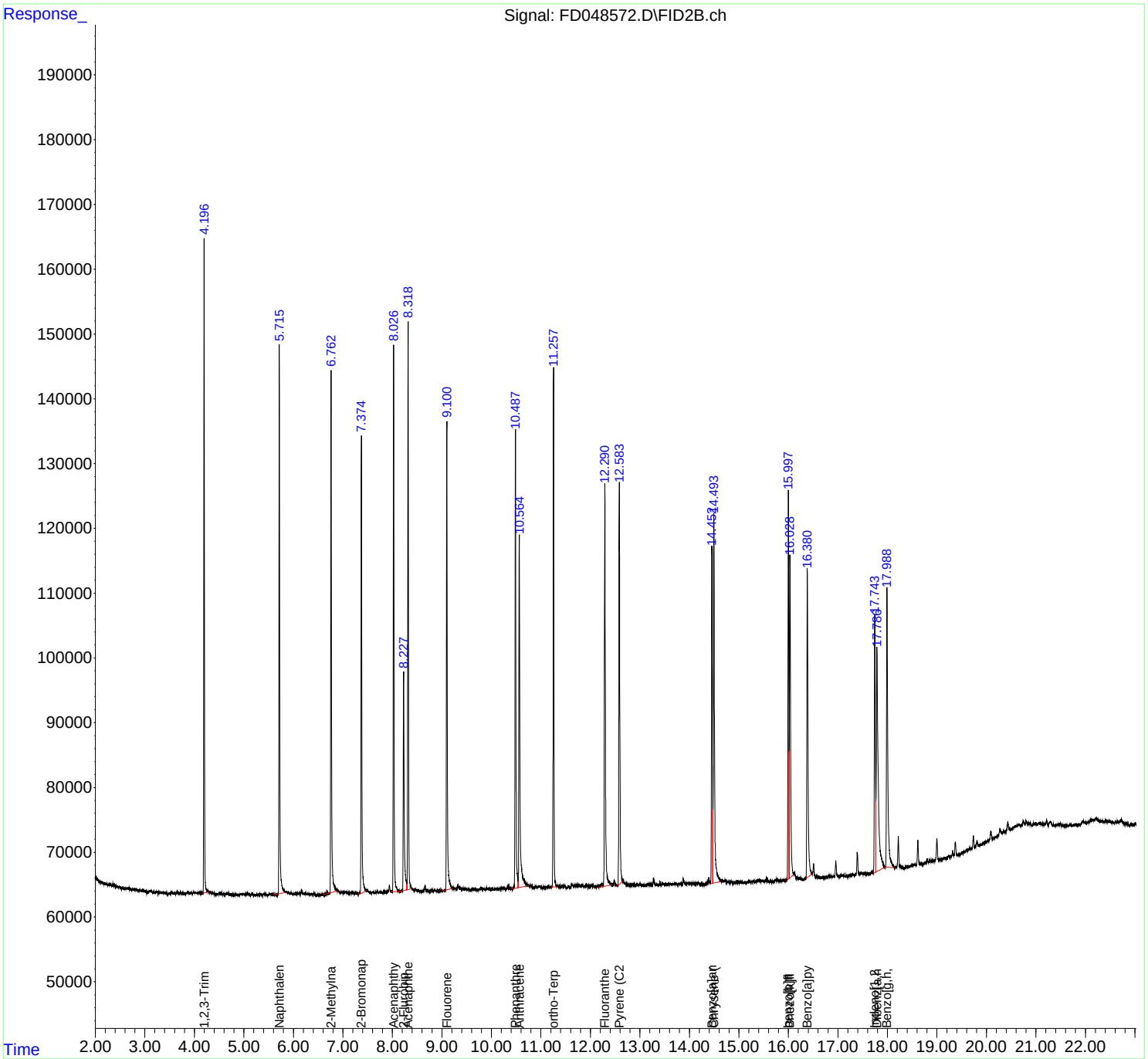
(f)=RT Delta > 1/2 Window (m)=manual int.

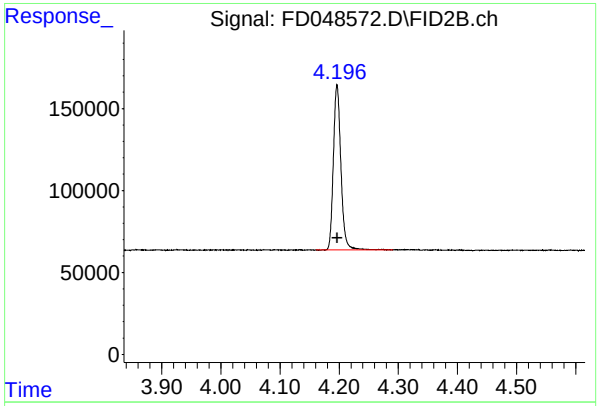
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

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

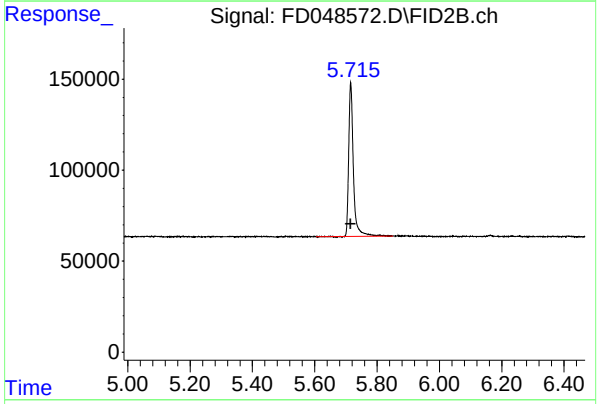




#1 1,2,3-Trimethylbenzene (C10.1)

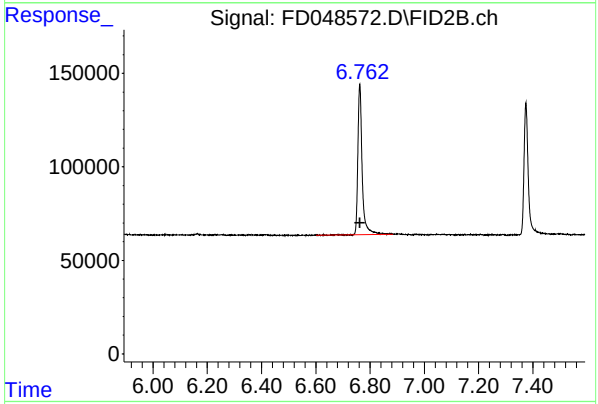
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 891941
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



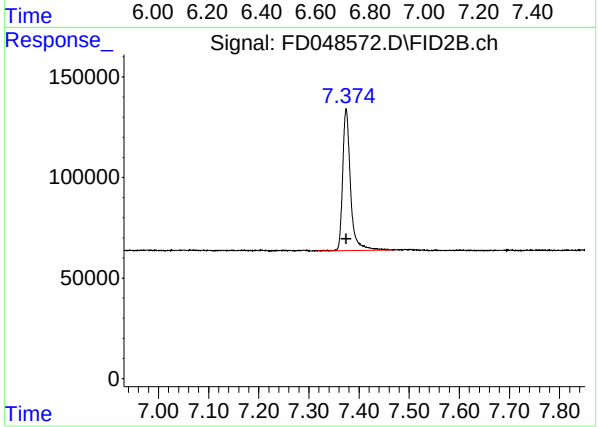
#2 Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 882030
Conc: 4.94 ug/ml



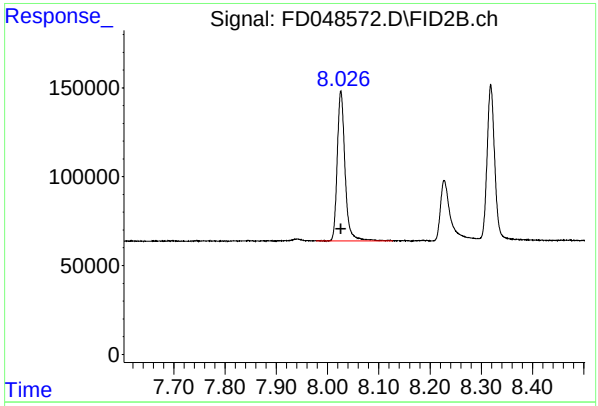
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 888953
Conc: 4.97 ug/ml



#4 2-Bromonaphthalene (SURR)

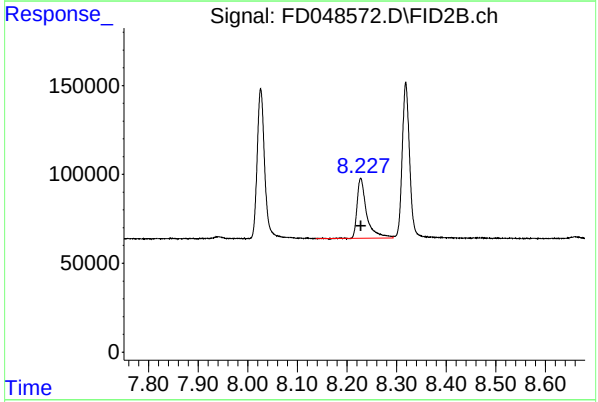
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 765966
Conc: 5.05 ug/ml



#5 Acenaphthylene (C15.06)

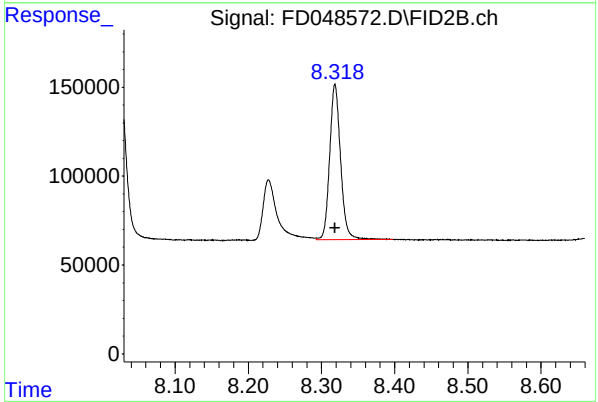
R.T.: 8.026 min
Delta R.T.: 0.000 min
Response: 887785
Conc: 5.06 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



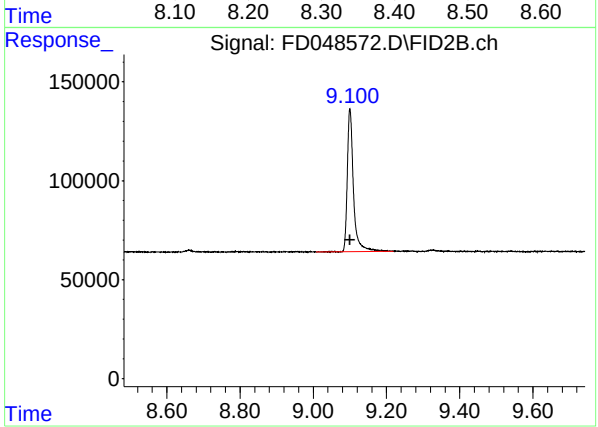
#6 2-Flurobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 453280
Conc: 4.62 ug/ml



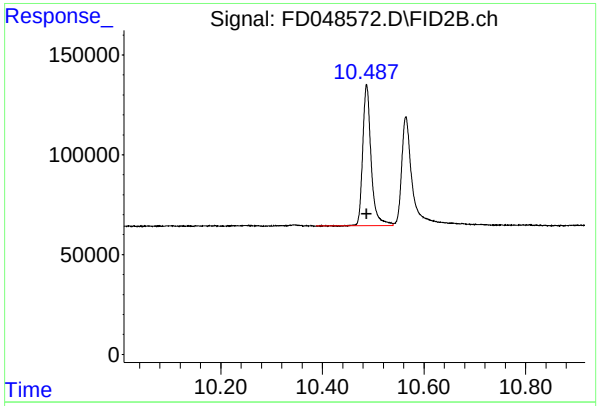
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 906880
Conc: 5.11 ug/ml



#8 Flouorene (C16.55)

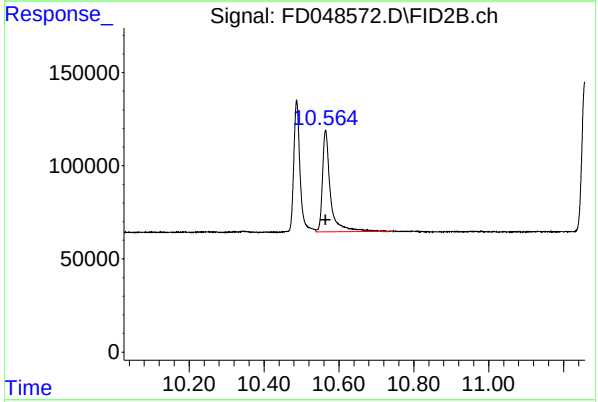
R.T.: 9.101 min
Delta R.T.: 0.000 min
Response: 838419
Conc: 4.96 ug/ml



#9 Phenanthrene (C19.36)

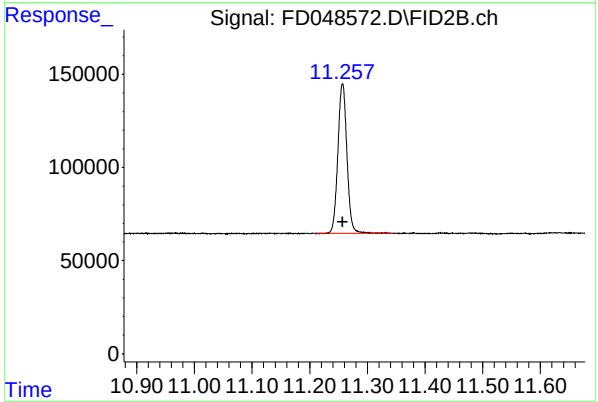
R.T.: 10.487 min
Delta R.T.: 0.000 min
Response: 812730
Conc: 4.92 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



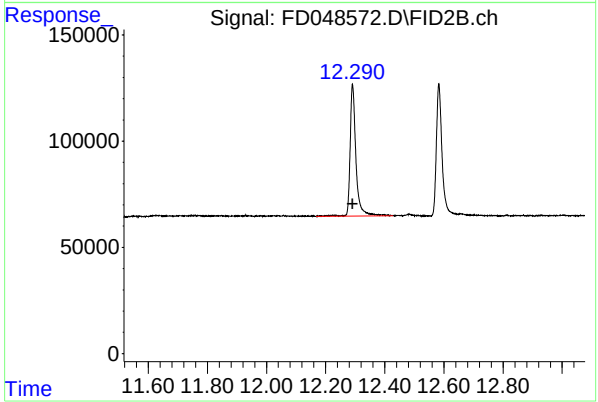
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 809302
Conc: 5.06 ug/ml



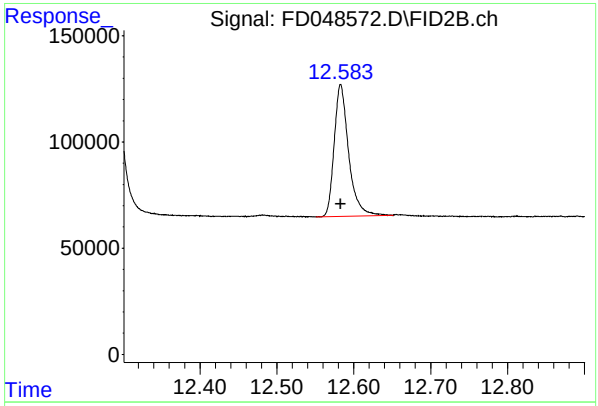
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 878976
Conc: 5.16 ug/ml



#12 Fluoranthene (C21.85)

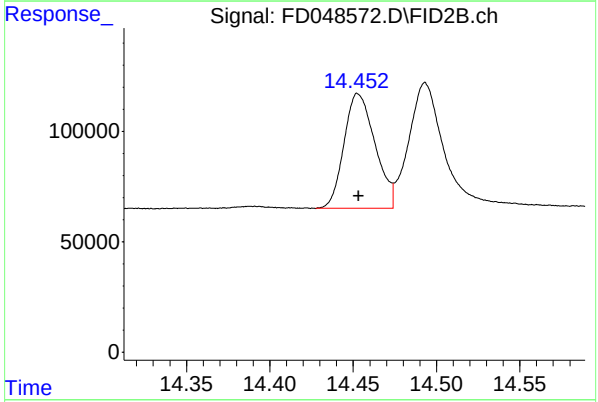
R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 849157
Conc: 5.16 ug/ml



#13 Pyrene (C20.8)

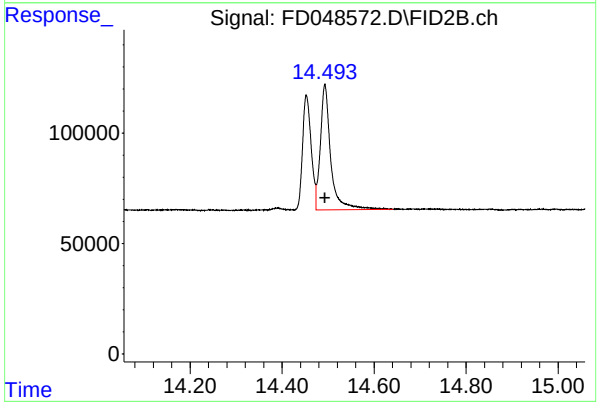
R.T.: 12.583 min
Delta R.T.: 0.000 min
Response: 807675
Conc: 5.01 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



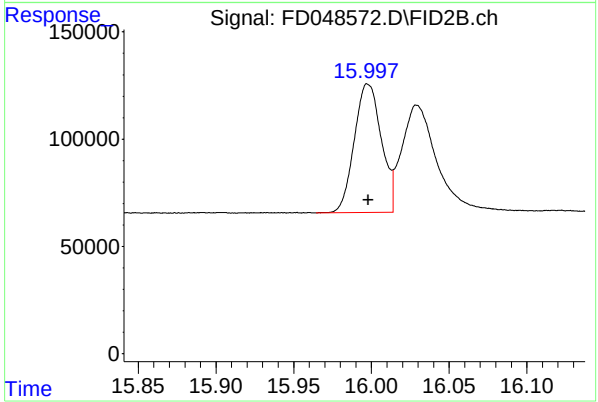
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.453 min
Delta R.T.: 0.000 min
Response: 671281
Conc: 4.59 ug/ml



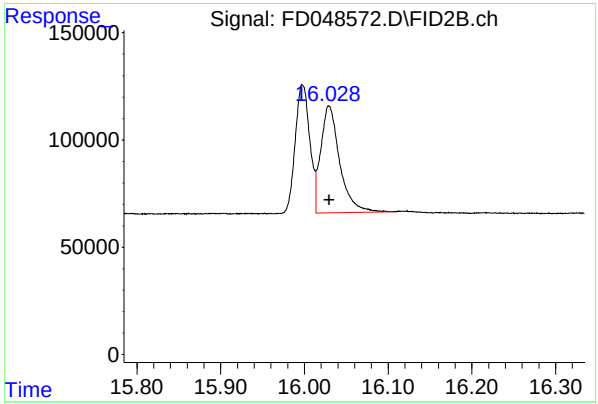
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.000 min
Response: 886842
Conc: 5.39 ug/ml



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

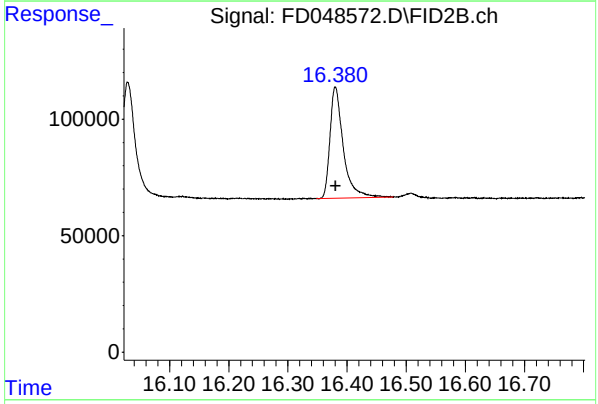
R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 725025
Conc: 4.77 ug/ml



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

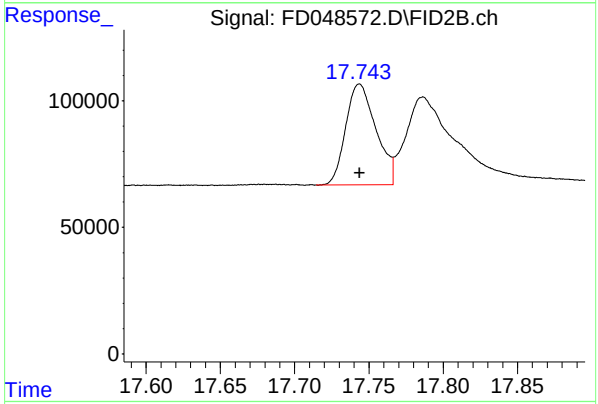
R.T.: 16.030 min
Delta R.T.: 0.000 min
Response: 780831
Conc: 5.20 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



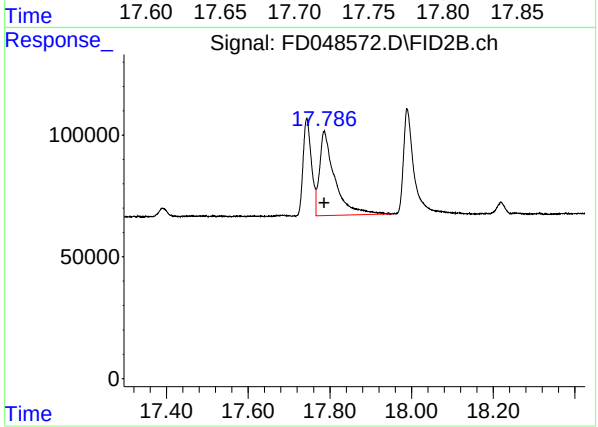
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 746043
Conc: 4.96 ug/ml



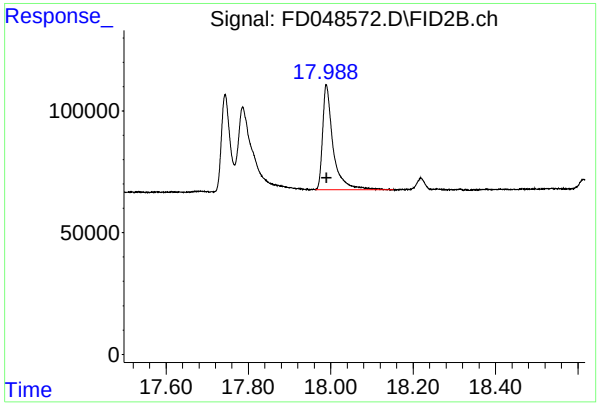
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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

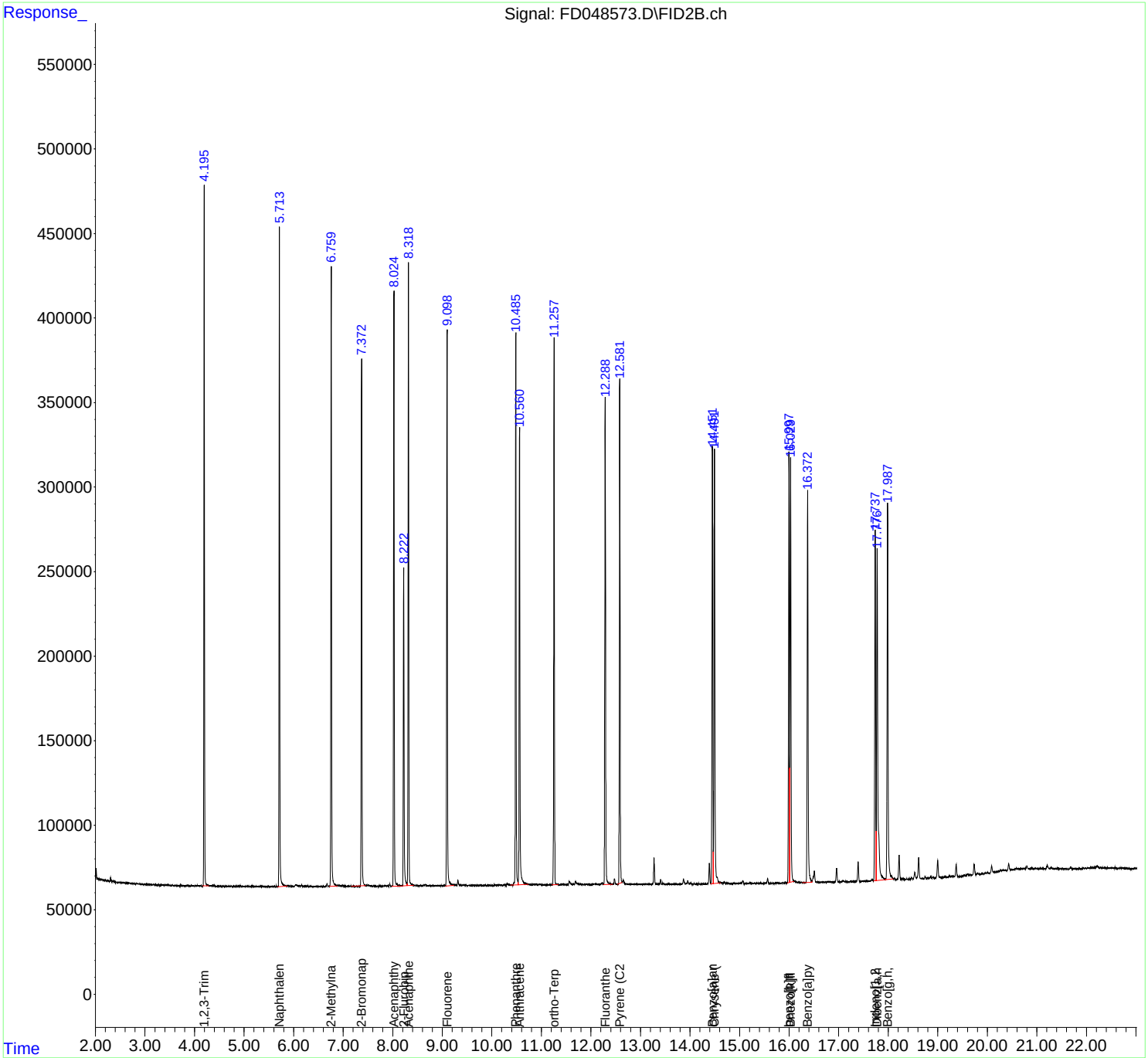
(f)=RT Delta > 1/2 Window (m)=manual int.

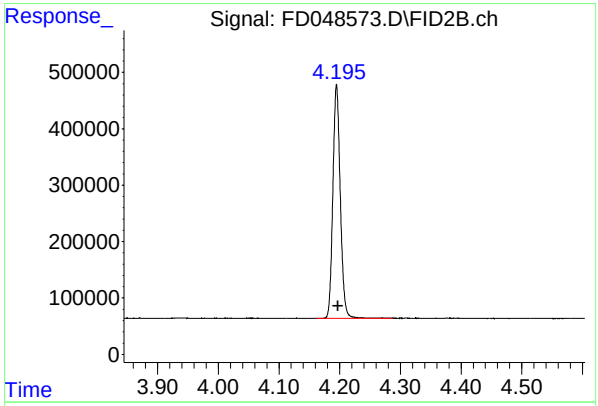
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

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

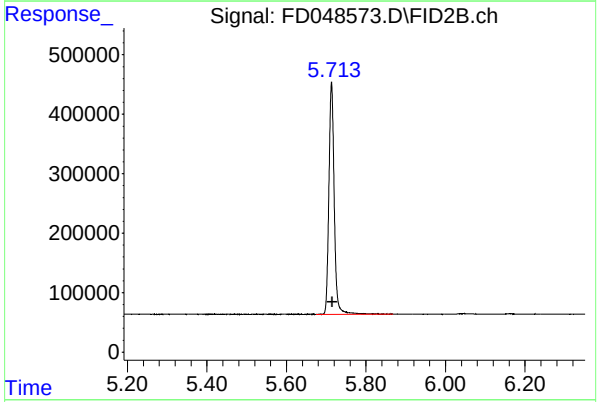




#1 1,2,3-Trimethylbenzene (C10.1)

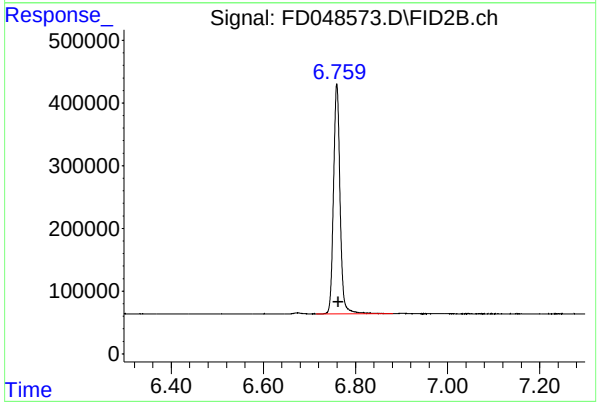
R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 3511974
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



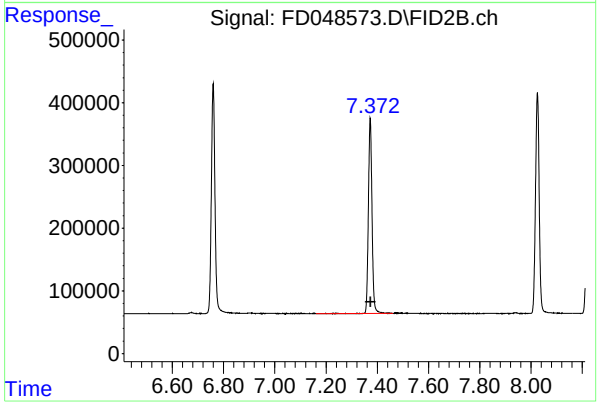
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: -0.002 min
Response: 3621999
Conc: 20.30 ug/ml



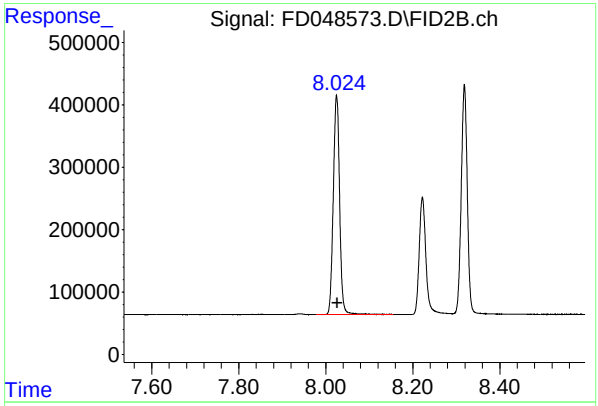
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: -0.003 min
Response: 3629138
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

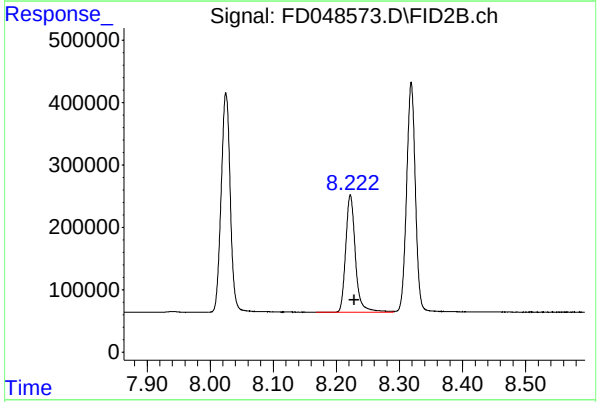
R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 3035391
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

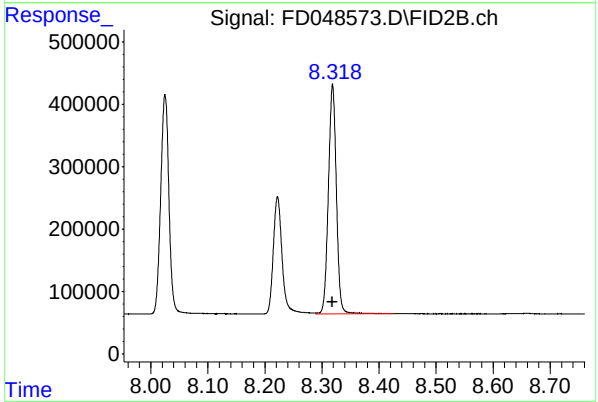
R.T.: 8.025 min
Delta R.T.: -0.001 min
Response: 3549708
Conc: 20.22 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



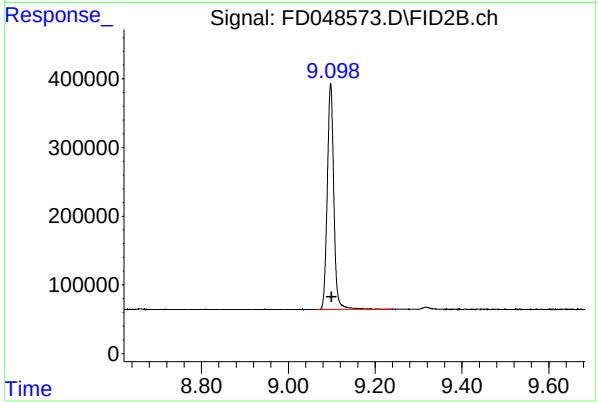
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 2009011
Conc: 20.46 ug/ml



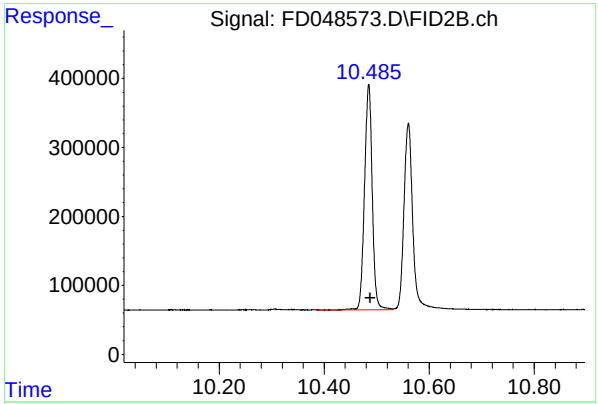
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3566386
Conc: 20.11 ug/ml



#8 Flouorene (C16.55)

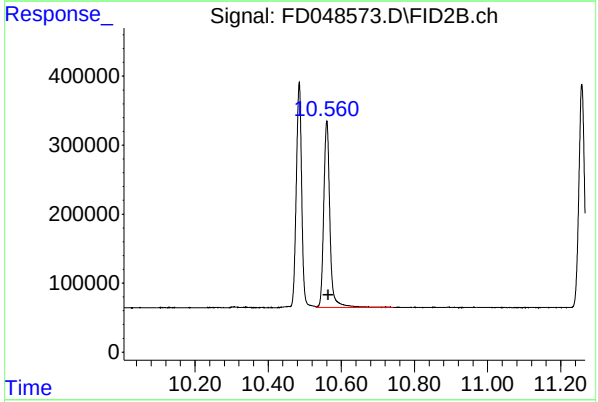
R.T.: 9.098 min
Delta R.T.: -0.003 min
Response: 3449130
Conc: 20.40 ug/ml



#9 Phenanthrene (C19.36)

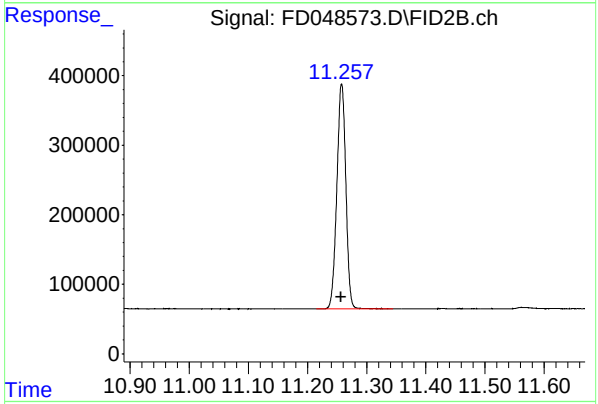
R.T.: 10.485 min
Delta R.T.: -0.003 min
Response: 3337748
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



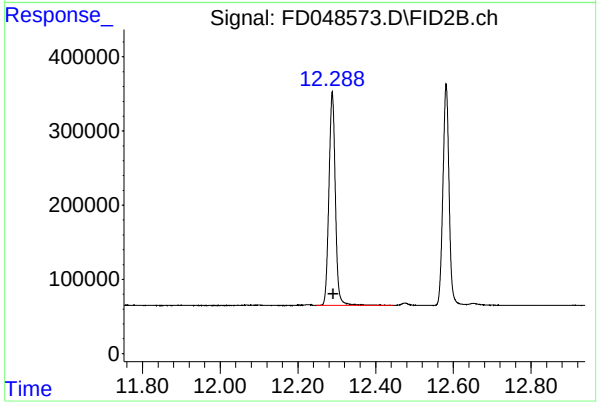
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.004 min
Response: 3166872
Conc: 19.80 ug/ml



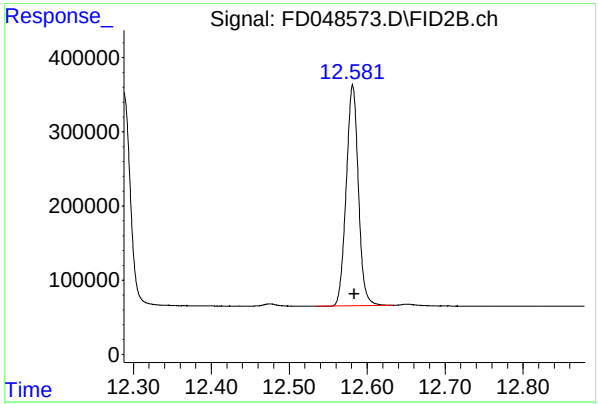
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3418196
Conc: 20.07 ug/ml



#12 Fluoranthene (C21.85)

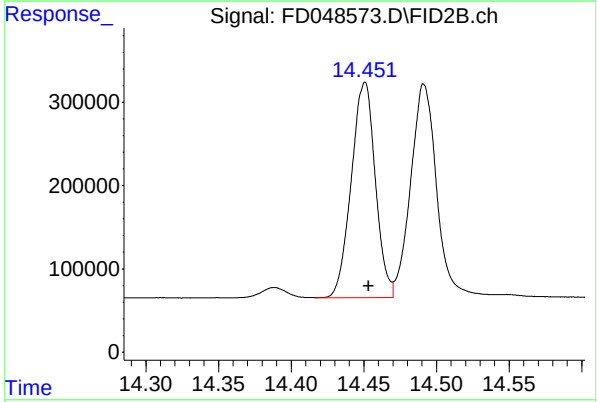
R.T.: 12.288 min
Delta R.T.: -0.003 min
Response: 3304952
Conc: 20.08 ug/ml



#13 Pyrene (C20.8)

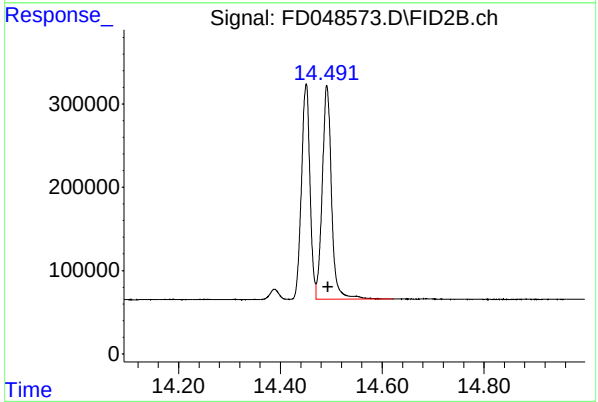
R.T.: 12.581 min
Delta R.T.: -0.002 min
Response: 3231023
Conc: 20.06 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



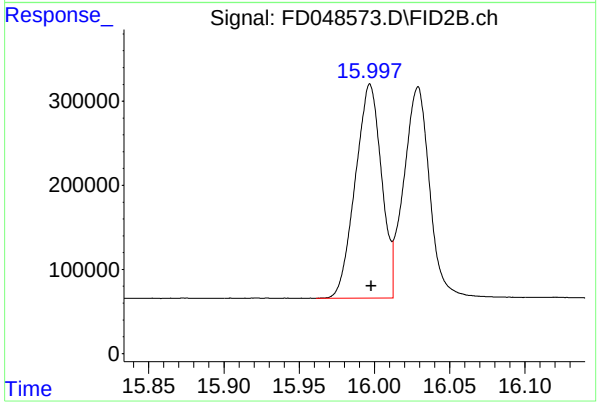
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.003 min
Response: 2986450
Conc: 20.42 ug/ml



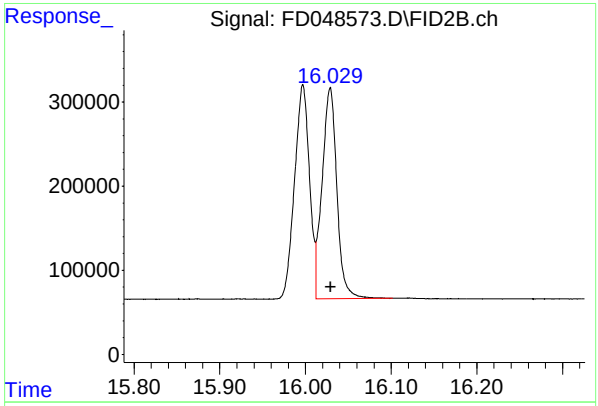
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.002 min
Response: 3268283
Conc: 19.87 ug/ml



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

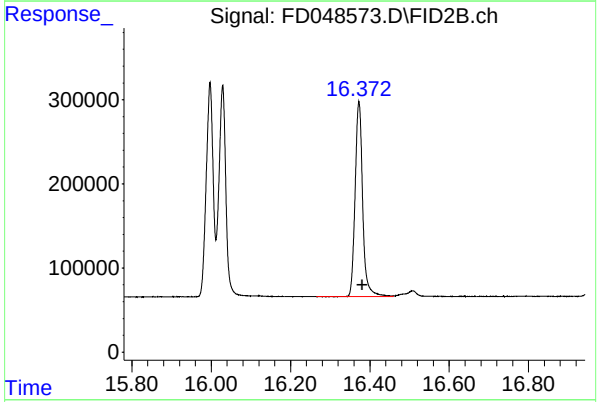
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3076351
Conc: 20.24 ug/ml



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

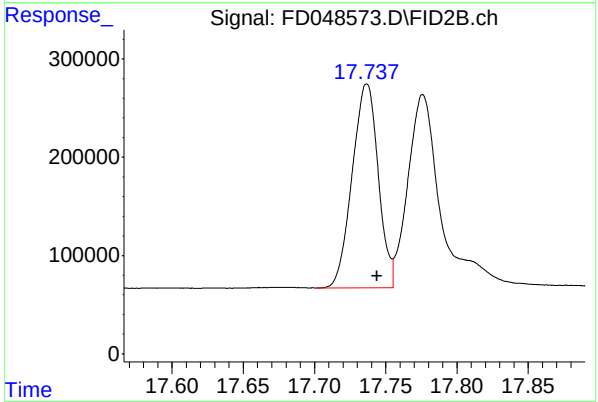
R.T.: 16.029 min
Delta R.T.: 0.000 min
Response: 3007230
Conc: 20.01 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



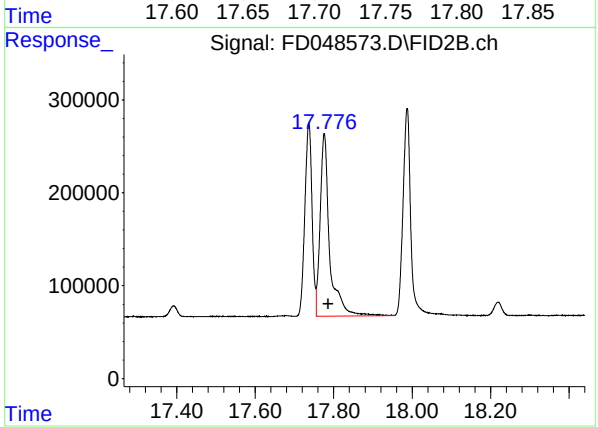
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: -0.008 min
Response: 3055729
Conc: 20.30 ug/ml



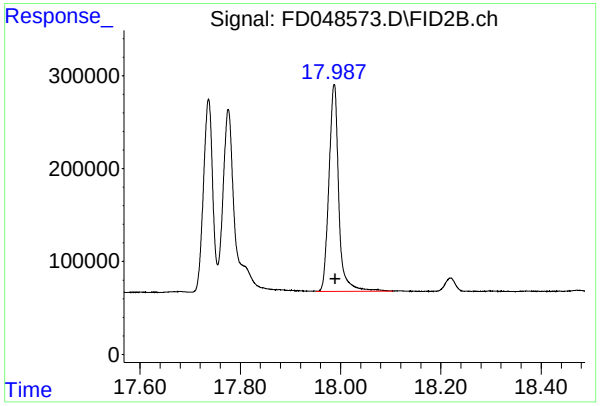
#19 Indeno[1,2,3-cd]pyrene (C35.01)

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 : FE110724AL

AreaCount

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	40063780.000	21137224.000	8264114.000	4331556.000	2144887.000	
Aliphatic C12-C16	26499750.000	14057359.000	5586564.000	2913018.000	1447905.000	
Aliphatic C16-C21	38600621.000	20520000.000	8195408.000	4299352.000	2152043.000	
Aliphatic C21-C28	49929068.000	26341355.000	10608674.000	5580376.000	2822212.000	
Aliphatic C28-C40	66927536.000	37036837.000	15654323.000	8140009.000	4278617.000	
Aliphatic EPH	222020755.000	119092775.000	48309083.000	25264311.000	12845664.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	139914.7319996	3.111				
Aliphatic C12-C16	140635.568	3.722				
Aliphatic C16-C21	137768.027333	4.421				
Aliphatic C21-C28	133951.574	4.9				
Aliphatic C28-C40	128748.4183328	9.249				
Aliphatic EPH	134589.7899996	5.649				

Concentration

Parameter Range	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.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	FE051075.D	FE051076.D	FE051077.D	FE051078.D	FE051079.D	
Aliphatic C9-C12	133545.933333	140914.826666	137735.233333	144385.200000	142992.466666	
Aliphatic C12-C16	132498.750000	140573.590000	139664.100000	145650.900000	144790.500000	
Aliphatic C16-C21	128668.736666	136800.000000	136590.133333	143311.733333	143469.533333	

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

Inital Calibration Report for SequenceID : FE110724AL

Aliphatic C21-C28	124822.670000	131706.775000	132608.425000	139509.400000	141110.600000	
Aliphatic C28-C40	111545.893333	123456.123333	130452.691666	135666.816666	142620.566666	
Aliphatic EPH	123344.863888	132325.305555	134191.897222	140357.283333	142729.600000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051075.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 16:52
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Nov 07 04:49:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:48:22 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)	11.858	14049939	94.663 ug/ml
Spiked Amount	50.000		Recovery =	189.33%
12) S	1-chlorooctadecane (S...	13.289	10794010	95.789 ug/ml
Spiked Amount	50.000		Recovery =	191.58%
	Target Compounds			
1) T	n-Nonane (C9)	3.241	13236910	97.465 ug/ml
2) T	n-Decane (C10)	4.493	13428166	97.423 ug/ml
3) T	A~Naphthalene (C11.7)	6.204	13623683	102.538 ug/ml
4) T	n-Dodecane (C12)	6.663	13398704	96.006 ug/ml
5) T	A~2-methylnaphthalene...	7.301	12915436	104.141 ug/ml
6) T	n-Tetradecane (C14)	8.489	13135139	94.955 ug/ml
7) T	n-Hexadecane (C16)	10.095	13364611	94.786 ug/ml
8) T	n-Octadecane (C18)	11.537	13365220	94.326 ug/ml
10) T	n-Eicosane (C20)	12.843	12736356	93.902 ug/ml
11) T	n-Heneicosane (C21)	13.454	12499045	94.372 ug/ml
13) T	n-Docosane (C22)	14.040	12430842	94.615 ug/ml
14) T	n-Tetracosane (C24)	15.141	12455204	94.910 ug/ml
15) T	n-Hexacosane (C26)	16.161	12499744	94.189 ug/ml
16) T	n-Octacosane (C28)	17.109	12543278	92.838 ug/ml
17) T	n-Tricontane (C30)	17.997	13023156	90.119 ug/ml
18) T	n-Dotriacontane (C32)	18.828	13000983	87.779 ug/ml
19) T	n-Tetratriacontane (C34)	19.610	11901355	88.615 ug/ml
20) T	n-Hexatriacontane (C36)	20.348	10625484	88.459 ug/ml
21) T	n-Octatriacontane (C38)	21.071	9770056	84.148 ug/ml
22) T	n-Tetracontane (C40)	21.951	8606502	71.980 ug/ml

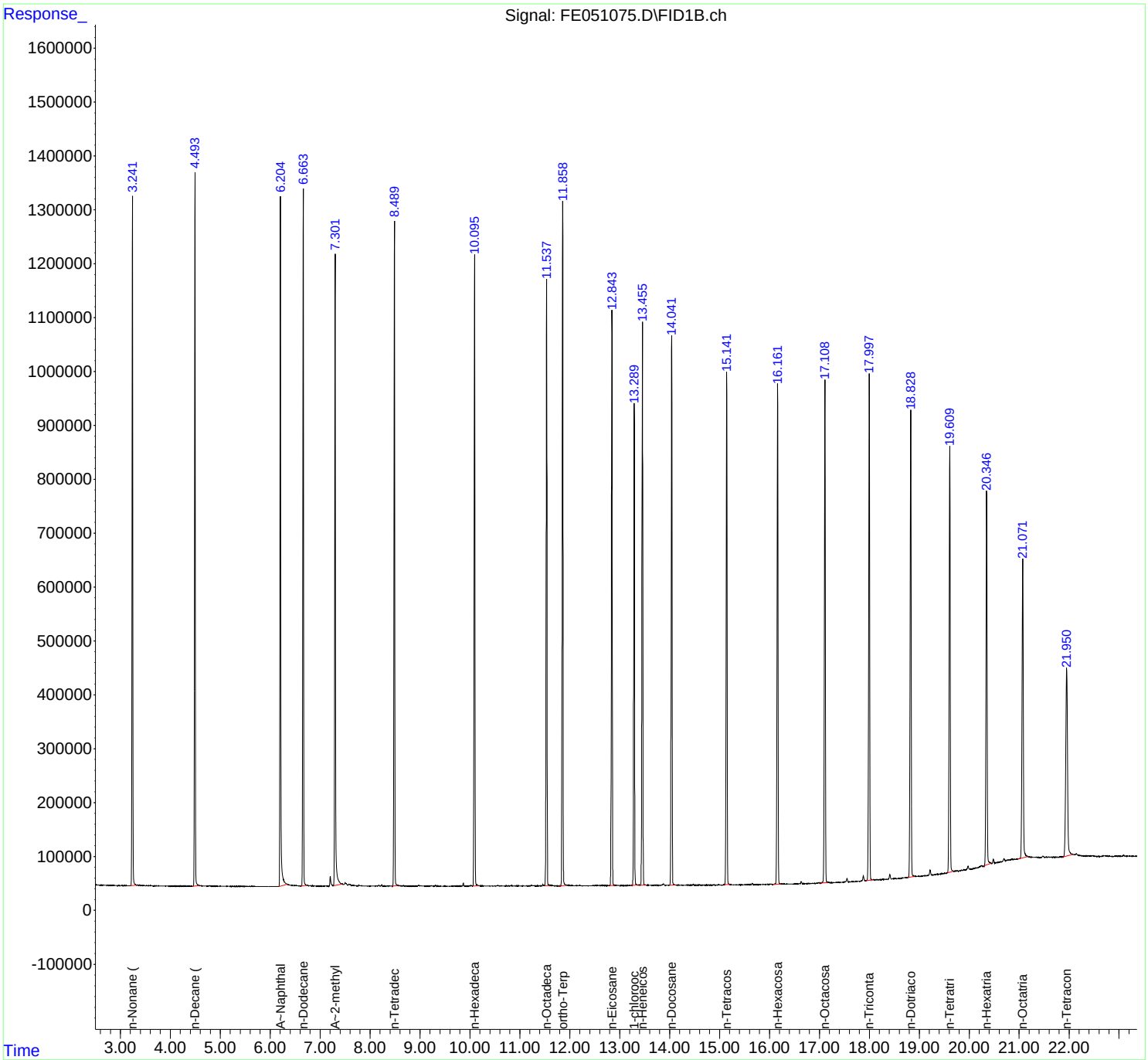
(f)=RT Delta > 1/2 Window (m)=manual int.

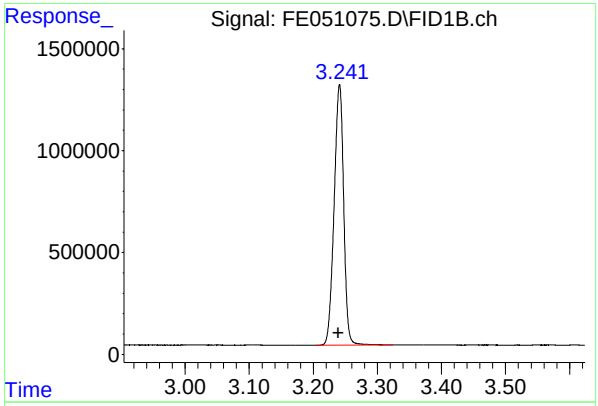
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051075.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 16:52
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Nov 07 04:49:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:48:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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

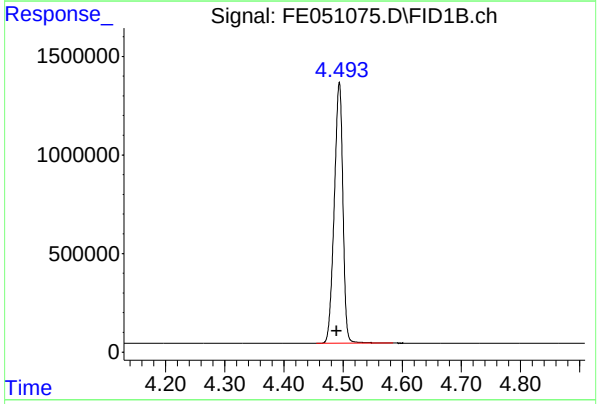




#1 n-Nonane (C9)

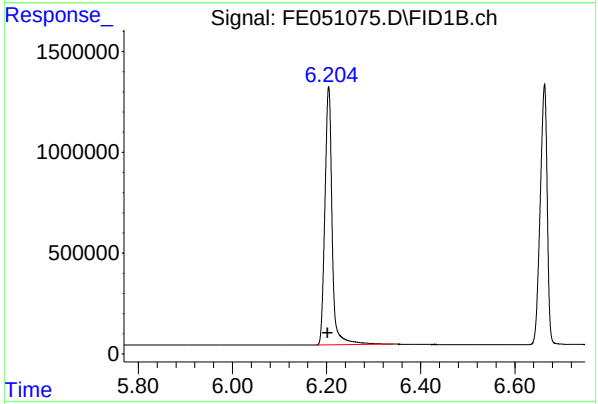
R.T.: 3.241 min
Delta R.T.: 0.002 min
Response: 13236910
Conc: 97.47 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



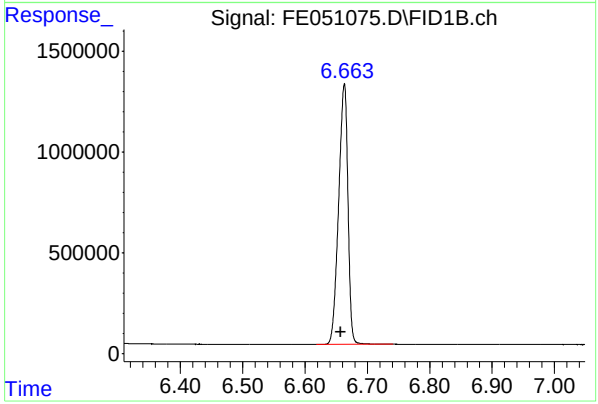
#2 n-Decane (C10)

R.T.: 4.493 min
Delta R.T.: 0.004 min
Response: 13428166
Conc: 97.42 ug/ml



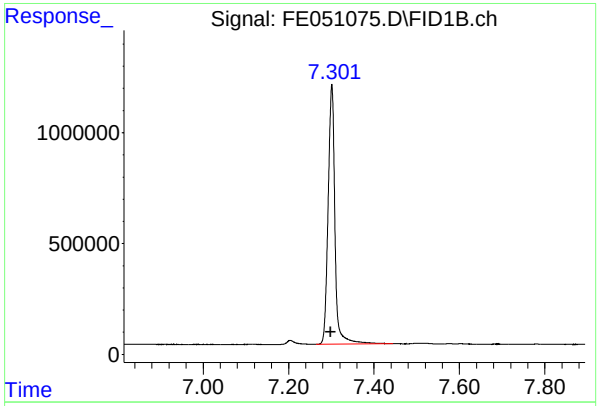
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: 0.002 min
Response: 13623683
Conc: 102.54 ug/ml



#4 n-Dodecane (C12)

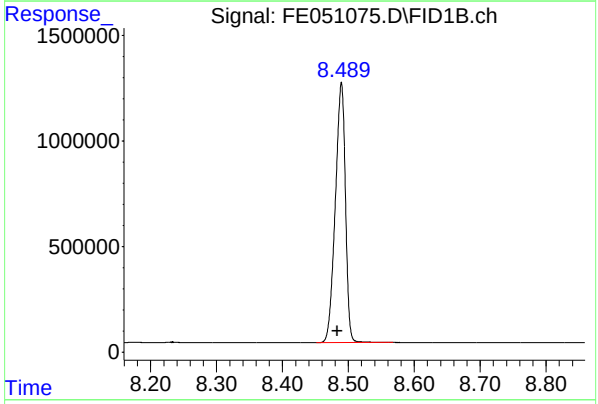
R.T.: 6.663 min
Delta R.T.: 0.005 min
Response: 13398704
Conc: 96.01 ug/ml



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

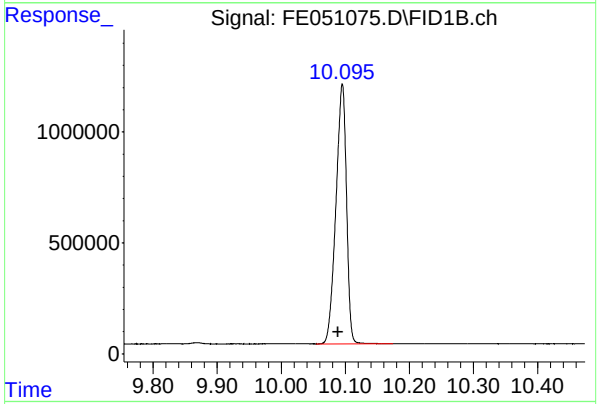
R.T.: 7.301 min
Delta R.T.: 0.003 min
Response: 12915436
Conc: 104.14 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



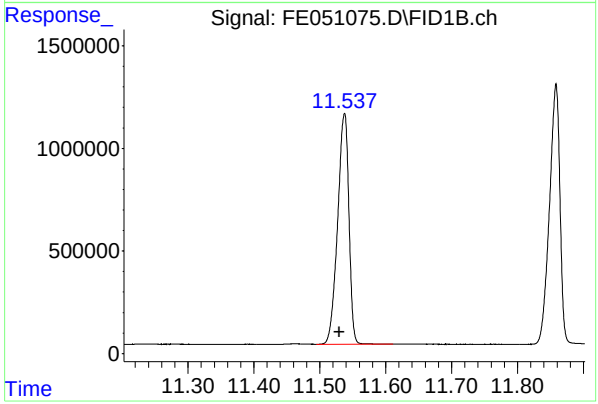
#6 n-Tetradecane (C14)

R.T.: 8.489 min
Delta R.T.: 0.006 min
Response: 13135139
Conc: 94.96 ug/ml



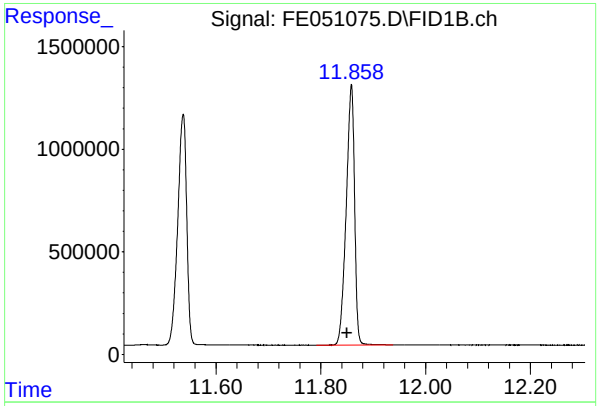
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: 0.006 min
Response: 13364611
Conc: 94.79 ug/ml



#8 n-Octadecane (C18)

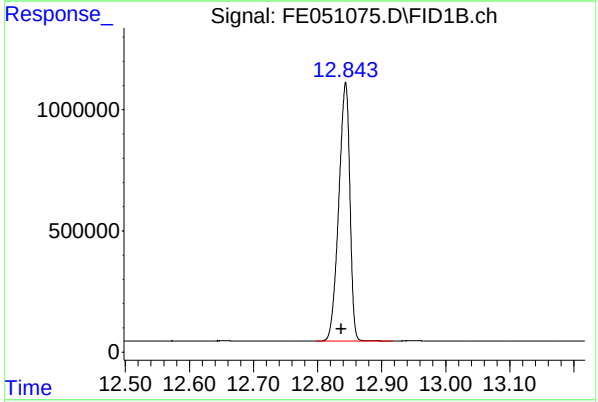
R.T.: 11.537 min
Delta R.T.: 0.007 min
Response: 13365220
Conc: 94.33 ug/ml



#9 ortho-Terphenyl (SURR)

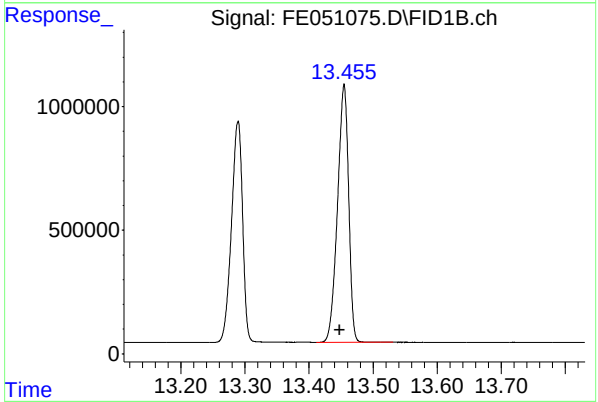
R.T.: 11.858 min
Delta R.T.: 0.007 min
Response: 14049939
Conc: 94.66 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



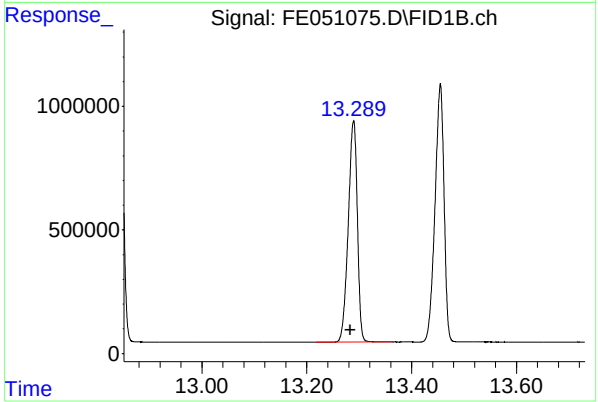
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: 0.006 min
Response: 12736356
Conc: 93.90 ug/ml



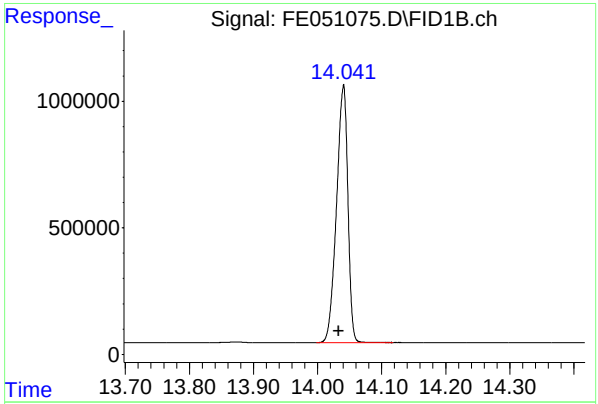
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: 0.007 min
Response: 12499045
Conc: 94.37 ug/ml



#12 1-chlorooctadecane (SURR)

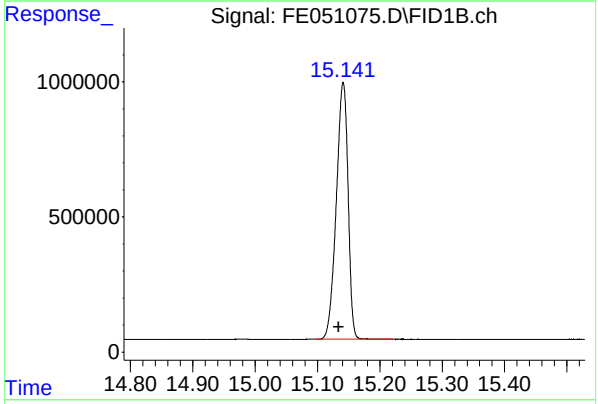
R.T.: 13.289 min
Delta R.T.: 0.006 min
Response: 10794010
Conc: 95.79 ug/ml



#13 n-Docosane (C22)

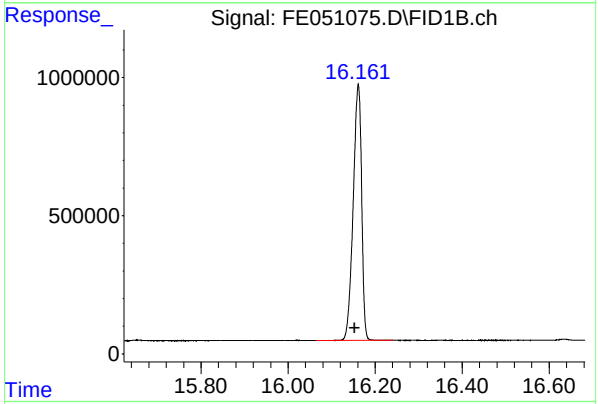
R.T.: 14.040 min
Delta R.T.: 0.007 min
Response: 12430842
Conc: 94.61 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



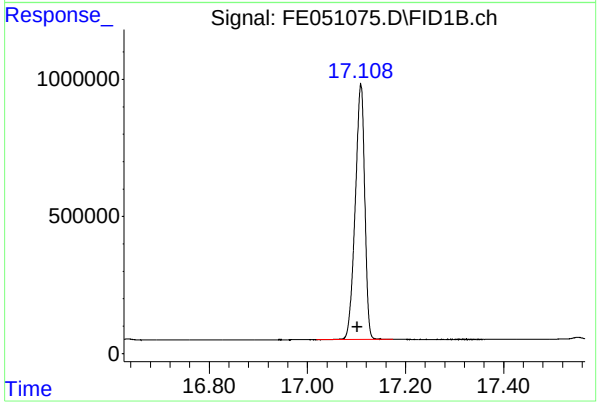
#14 n-Tetracosane (C24)

R.T.: 15.141 min
Delta R.T.: 0.007 min
Response: 12455204
Conc: 94.91 ug/ml



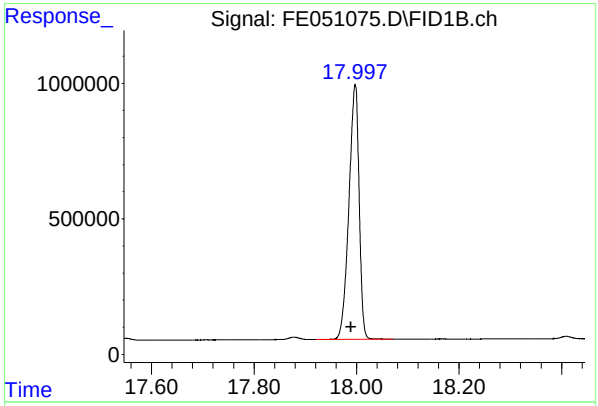
#15 n-Hexacosane (C26)

R.T.: 16.161 min
Delta R.T.: 0.007 min
Response: 12499744
Conc: 94.19 ug/ml



#16 n-Octacosane (C28)

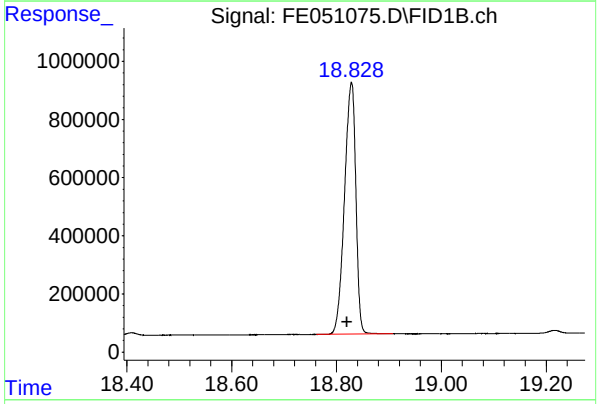
R.T.: 17.109 min
Delta R.T.: 0.007 min
Response: 12543278
Conc: 92.84 ug/ml



#17 n-Tricontane (C30)

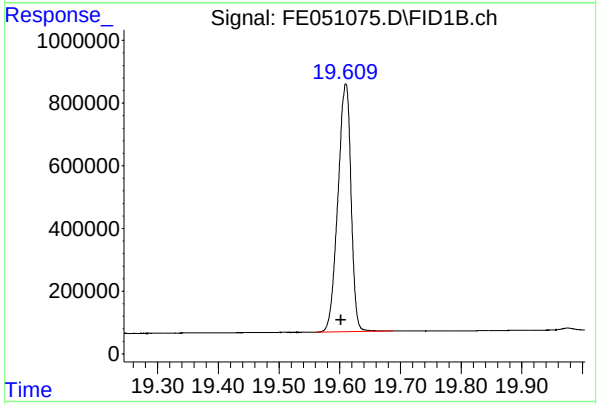
R.T.: 17.997 min
Delta R.T.: 0.008 min
Response: 13023156
Conc: 90.12 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



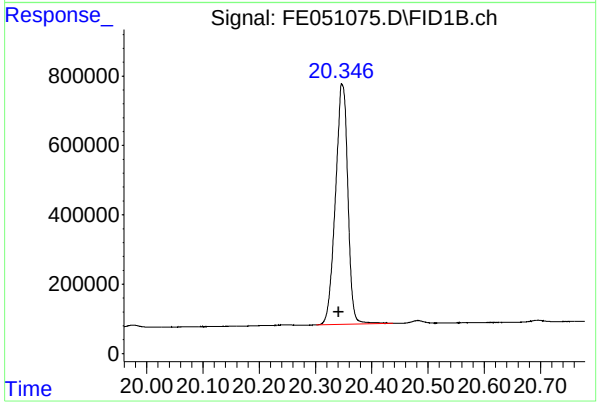
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: 0.008 min
Response: 13000983
Conc: 87.78 ug/ml



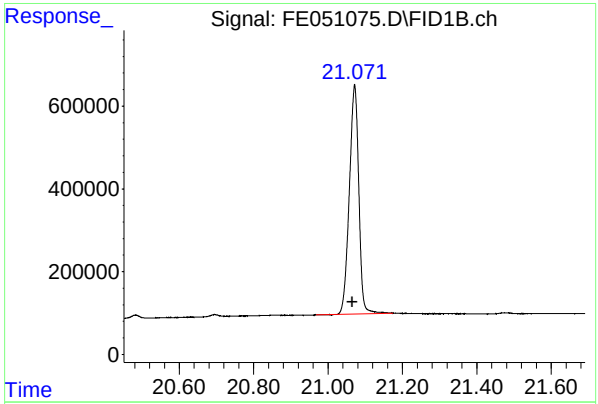
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: 0.007 min
Response: 11901355
Conc: 88.62 ug/ml



#20 n-Hexatriacontane (C36)

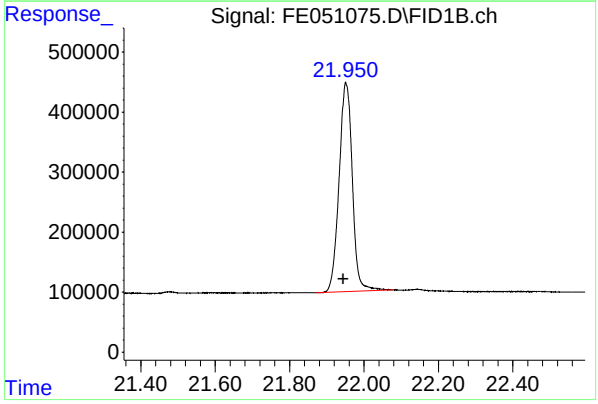
R.T.: 20.348 min
Delta R.T.: 0.006 min
Response: 10625484
Conc: 88.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.071 min
Delta R.T.: 0.006 min
Response: 9770056
Conc: 84.15 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: 0.007 min
Response: 8606502
Conc: 71.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051075.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 16:52
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.204	3.324	BB	1282476	13236910	94.21%	4.842%
2	4.493	4.454	4.584	BB	1335622	13428166	95.57%	4.911%
3	6.204	6.178	6.341	BB	1283378	13623683	96.97%	4.983%
4	6.663	6.618	6.741	BB	1272231	13398704	95.36%	4.901%
5	7.301	7.264	7.444	BB	1171648	12915436	91.93%	4.724%
6	8.489	8.451	8.568	BB	1213325	13135139	93.49%	4.804%
7	10.095	10.054	10.174	BB	1165575	13364611	95.12%	4.888%
8	11.537	11.494	11.611	BB	1132758	13365220	95.13%	4.888%
9	11.858	11.791	11.938	BB	1262734	14049939	100.00%	5.139%
10	12.843	12.798	12.918	BB	1073167	12736356	90.65%	4.658%
11	13.289	13.218	13.364	BB	892244	10794010	76.83%	3.948%
12	13.454	13.411	13.531	BB	1041507	12499045	88.96%	4.572%
13	14.040	13.998	14.118	BB	1025677	12430842	88.48%	4.547%
14	15.141	15.098	15.221	BB	952246	12455204	88.65%	4.556%
15	16.161	16.064	16.241	BB	926366	12499744	88.97%	4.572%
16	17.109	17.018	17.174	BB	929656	12543278	89.28%	4.588%
17	17.997	17.921	18.071	BB	946288	13023156	92.69%	4.763%
18	18.828	18.761	18.908	BB	864503	13000983	92.53%	4.755%
19	19.610	19.561	19.688	BB	798179	11901355	84.71%	4.353%
20	20.348	20.301	20.438	BB	692880	10625484	75.63%	3.886%
21	21.071	20.968	21.174	BB	553674	9770056	69.54%	3.573%
22	21.951	21.871	22.078	BB	348067	8606502	61.26%	3.148%

Sum of corrected areas: 273403822

Aliphatic EPH 110724.M Thu Nov 07 06:31:12 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051076.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:22
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 07 04:53:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:53:08 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)	11.854	7439471	50.140 ug/ml
Spiked Amount	50.000		Recovery =	100.28%
12) S	1-chlorooctadecane (S...	13.285	5687735	50.749 ug/ml
Spiked Amount	50.000		Recovery =	101.50%
	Target Compounds			
1) T	n-Nonane (C9)	3.240	6972278	51.044 ug/ml
2) T	n-Decane (C10)	4.491	7075762	51.165 ug/ml
3) T	A~Naphthalene (C11.7)	6.202	7085104	55.435 ug/ml
4) T	n-Dodecane (C12)	6.659	7089184	50.860 ug/ml
5) T	A~2-methylnaphthalene...	7.298	6675931	55.258 ug/ml
6) T	n-Tetradecane (C14)	8.486	6961580	50.535 ug/ml
7) T	n-Hexadecane (C16)	10.091	7095779	50.608 ug/ml
8) T	n-Octadecane (C18)	11.533	7120474	50.469 ug/ml
10) T	n-Eicosane (C20)	12.840	6769951	49.978 ug/ml
11) T	n-Heneicosane (C21)	13.451	6629575	50.154 ug/ml
13) T	n-Docosane (C22)	14.035	6576920	50.005 ug/ml
14) T	n-Tetracosane (C24)	15.136	6563335	49.928 ug/ml
15) T	n-Hexacosane (C26)	16.156	6579401	49.536 ug/ml
16) T	n-Octacosane (C28)	17.105	6621699	48.838 ug/ml
17) T	n-Tricontane (C30)	17.991	6913369	47.530 ug/ml
18) T	n-Dotriacontane (C32)	18.823	6937205	46.458 ug/ml
19) T	n-Tetratriacontane (C34)	19.605	6360559	47.290 ug/ml
20) T	n-Hexatriacontane (C36)	20.344	5735761	48.355 ug/ml
21) T	n-Octatriacontane (C38)	21.068	5583007	49.749 ug/ml
22) T	n-Tetracontane (C40)	21.949	5506936	50.466 ug/ml

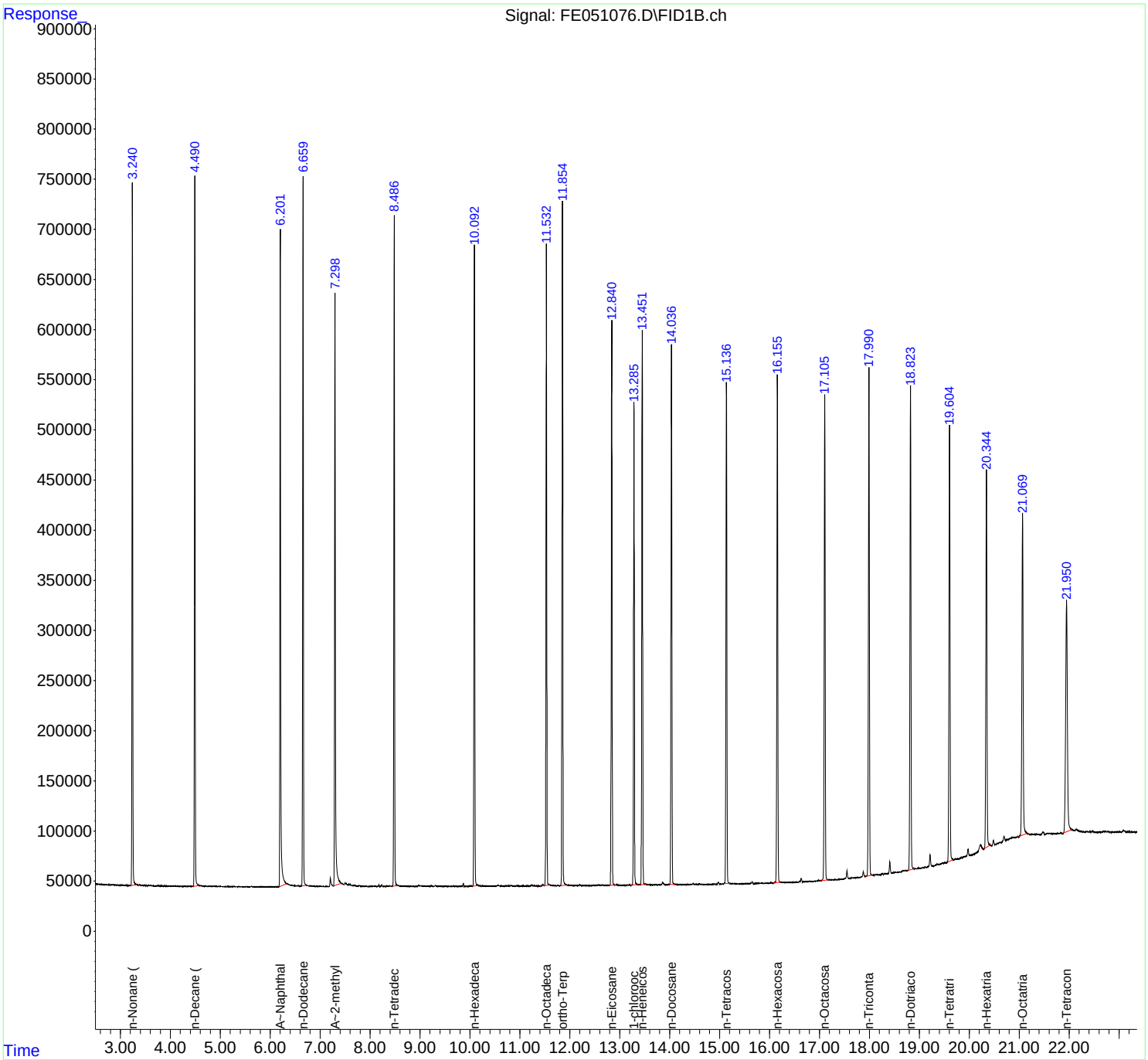
(f)=RT Delta > 1/2 Window (m)=manual int.

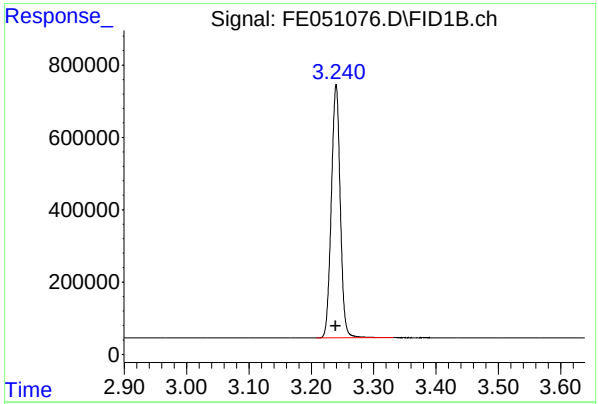
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051076.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:22
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 07 04:53:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:53:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

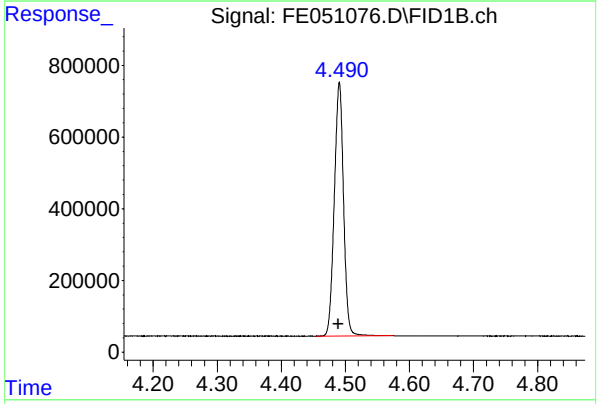




#1 n-Nonane (C9)

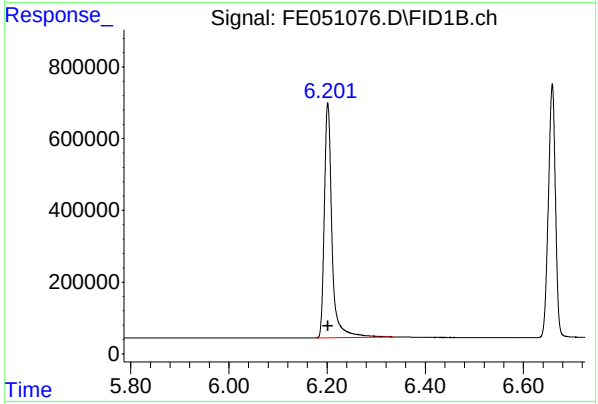
R.T.: 3.240 min
Delta R.T.: 0.000 min
Response: 6972278
Conc: 51.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



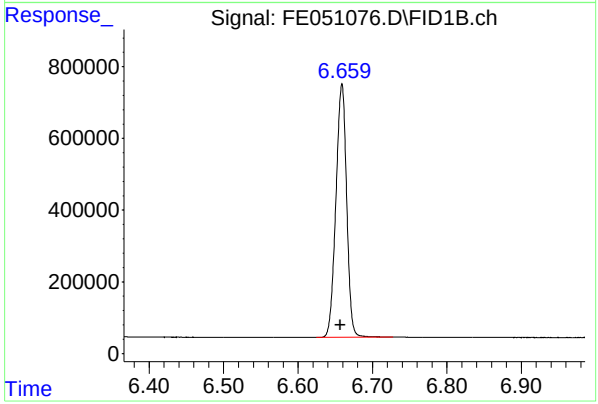
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: 0.001 min
Response: 7075762
Conc: 51.17 ug/ml



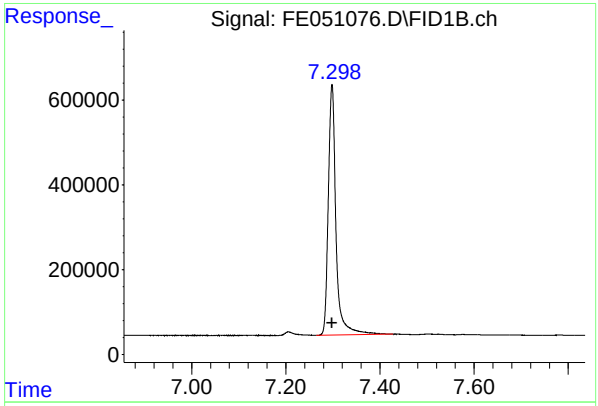
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 7085104
Conc: 55.43 ug/ml



#4 n-Dodecane (C12)

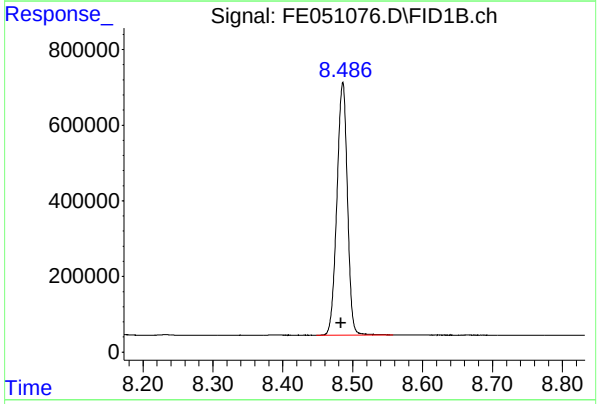
R.T.: 6.659 min
Delta R.T.: 0.002 min
Response: 7089184
Conc: 50.86 ug/ml



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

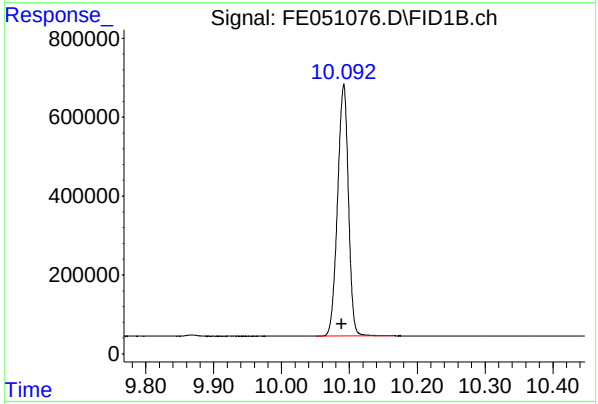
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 6675931
Conc: 55.26 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



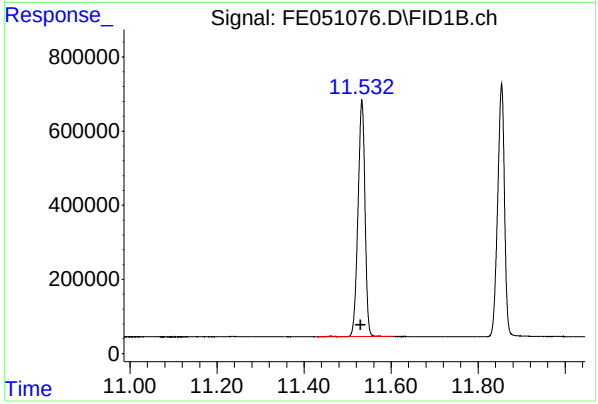
#6 n-Tetradecane (C14)

R.T.: 8.486 min
Delta R.T.: 0.002 min
Response: 6961580
Conc: 50.54 ug/ml



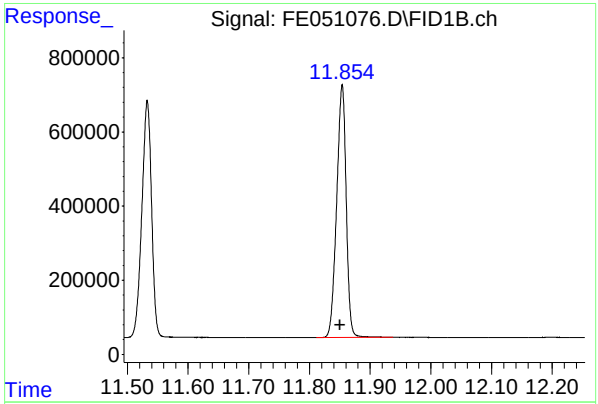
#7 n-Hexadecane (C16)

R.T.: 10.091 min
Delta R.T.: 0.003 min
Response: 7095779
Conc: 50.61 ug/ml



#8 n-Octadecane (C18)

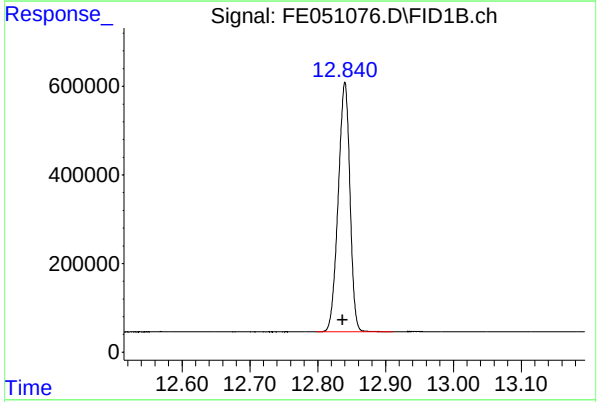
R.T.: 11.533 min
Delta R.T.: 0.003 min
Response: 7120474
Conc: 50.47 ug/ml



#9 ortho-Terphenyl (SURR)

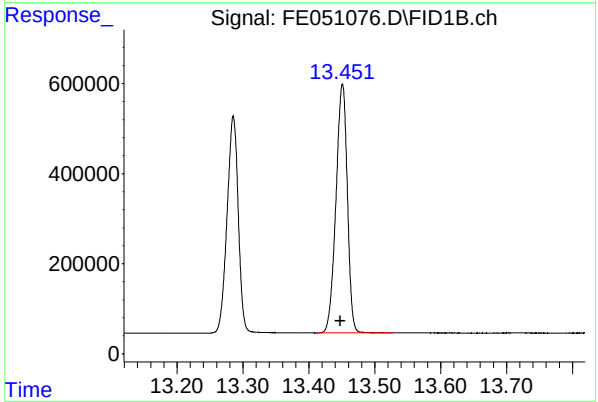
R.T.: 11.854 min
Delta R.T.: 0.003 min
Response: 7439471
Conc: 50.14 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



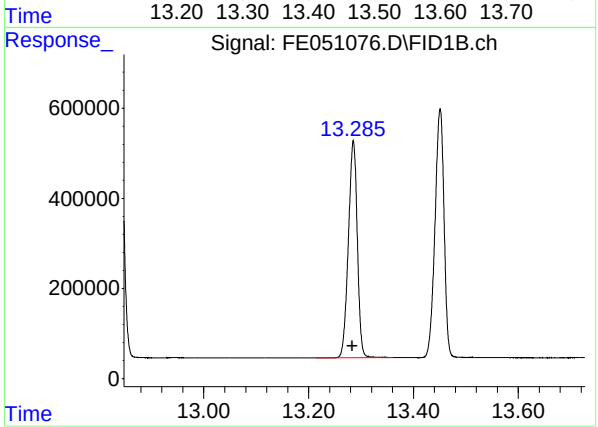
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: 0.003 min
Response: 6769951
Conc: 49.98 ug/ml



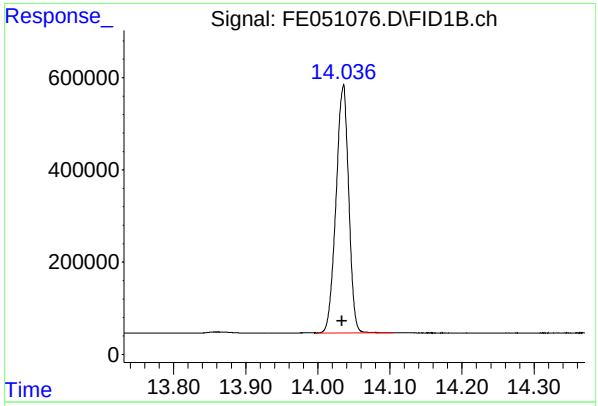
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: 0.003 min
Response: 6629575
Conc: 50.15 ug/ml



#12 1-chlorooctadecane (SURR)

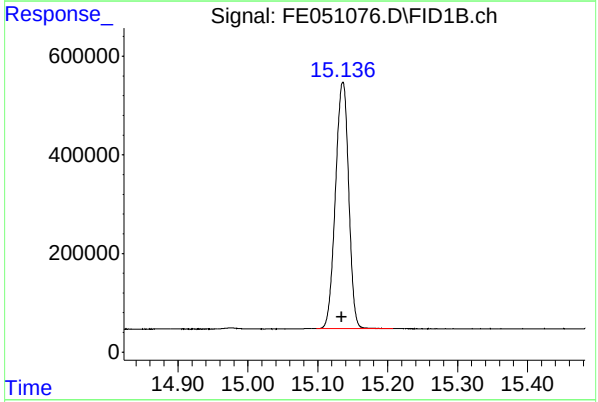
R.T.: 13.285 min
Delta R.T.: 0.002 min
Response: 5687735
Conc: 50.75 ug/ml



#13 n-Docosane (C22)

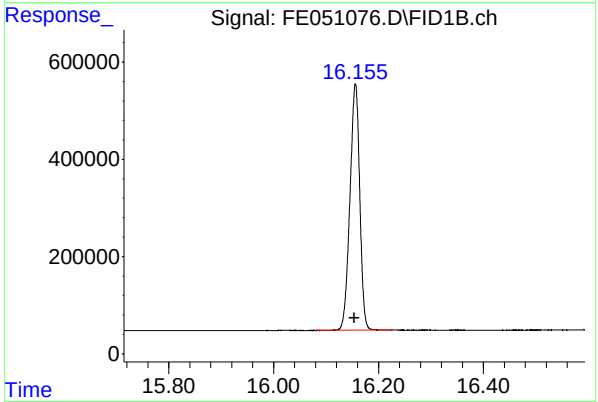
R.T.: 14.035 min
Delta R.T.: 0.002 min
Response: 6576920
Conc: 50.00 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



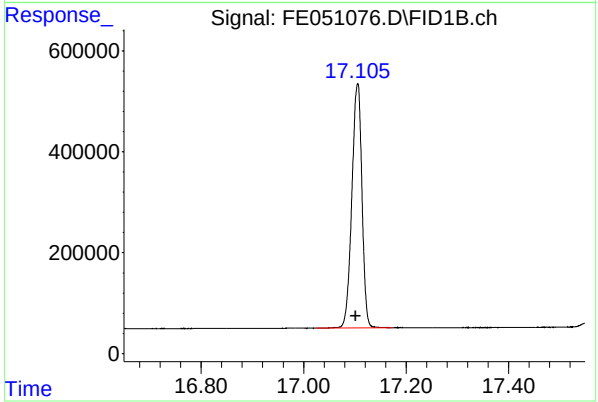
#14 n-Tetracosane (C24)

R.T.: 15.136 min
Delta R.T.: 0.001 min
Response: 6563335
Conc: 49.93 ug/ml



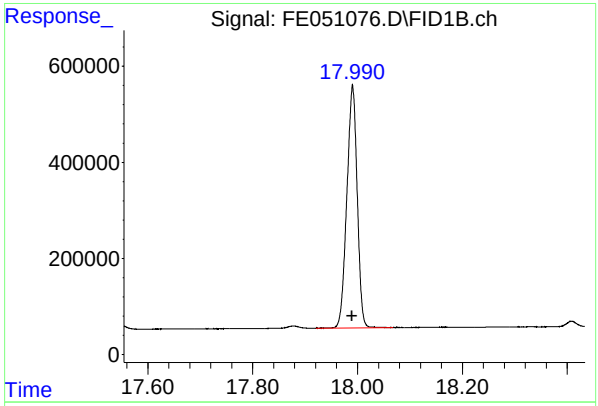
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: 0.002 min
Response: 6579401
Conc: 49.54 ug/ml



#16 n-Octacosane (C28)

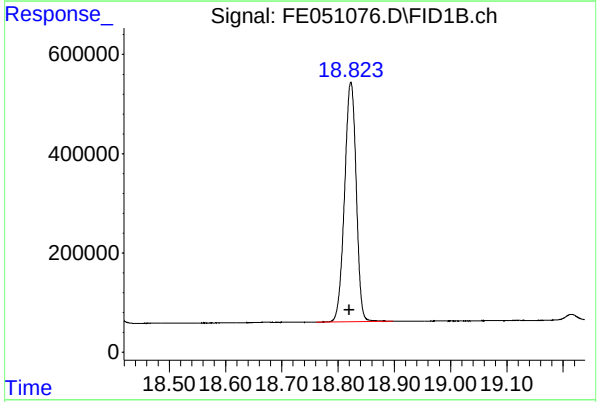
R.T.: 17.105 min
Delta R.T.: 0.003 min
Response: 6621699
Conc: 48.84 ug/ml



#17 n-Tricontane (C30)

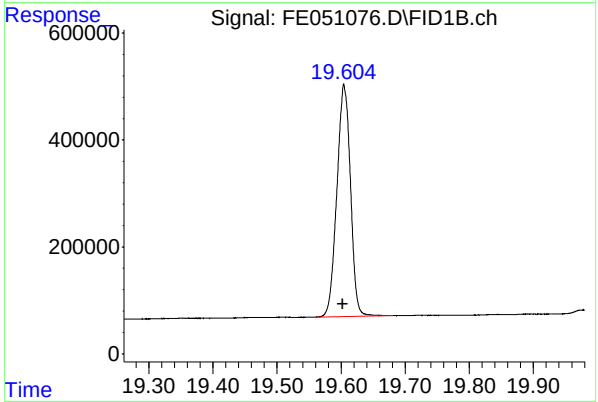
R.T.: 17.991 min
Delta R.T.: 0.001 min
Response: 6913369
Conc: 47.53 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



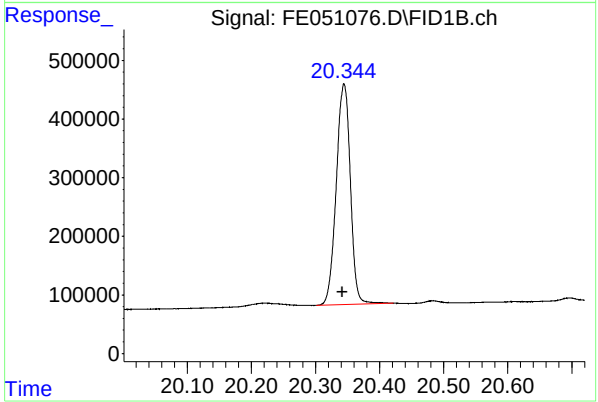
#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: 0.003 min
Response: 6937205
Conc: 46.46 ug/ml



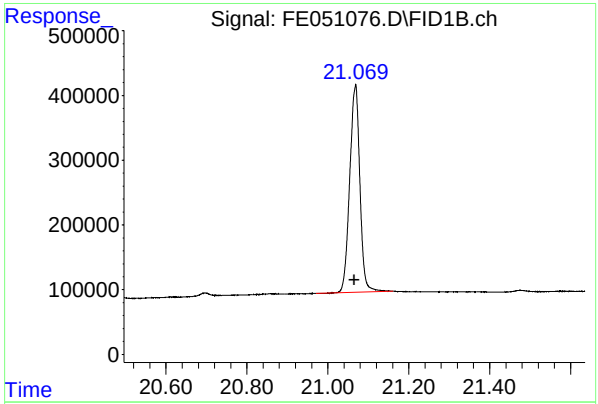
#19 n-Tetratriacontane (C34)

R.T.: 19.605 min
Delta R.T.: 0.003 min
Response: 6360559
Conc: 47.29 ug/ml



#20 n-Hexatriacontane (C36)

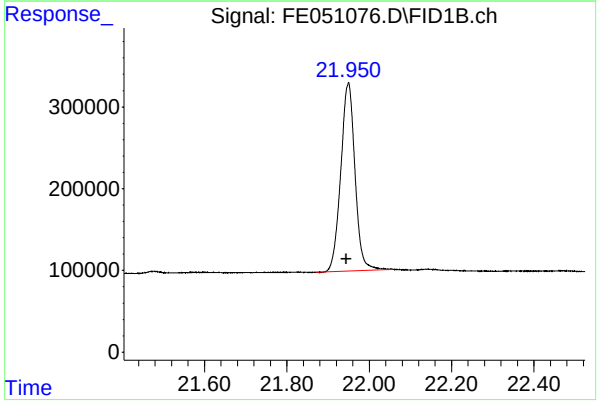
R.T.: 20.344 min
Delta R.T.: 0.003 min
Response: 5735761
Conc: 48.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.068 min
Delta R.T.: 0.003 min
Response: 5583007
Conc: 49.75 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.949 min
Delta R.T.: 0.005 min
Response: 5506936
Conc: 50.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051076.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:22
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.240	3.208	3.331	BB	702634	6972278	93.72%	4.776%
2	4.491	4.454	4.574	BB	709280	7075762	95.11%	4.847%
3	6.202	6.178	6.334	BB	654061	7085104	95.24%	4.853%
4	6.659	6.624	6.728	BB	700175	7089184	95.29%	4.856%
5	7.298	7.264	7.428	BB	589667	6675931	89.74%	4.573%
6	8.486	8.448	8.558	BB	661536	6961580	93.58%	4.769%
7	10.091	10.051	10.164	BB	633804	7095779	95.38%	4.861%
8	11.533	11.428	11.604	BB	635687	7120474	95.71%	4.878%
9	11.854	11.811	11.938	BB	683921	7439471	100.00%	5.096%
10	12.840	12.798	12.911	BB	565517	6769951	91.00%	4.638%
11	13.285	13.214	13.361	BB	479883	5687735	76.45%	3.896%
12	13.451	13.411	13.528	BB	554079	6629575	89.11%	4.541%
13	14.035	13.998	14.104	BB	530601	6576920	88.41%	4.505%
14	15.136	15.098	15.208	BB	499902	6563335	88.22%	4.496%
15	16.156	16.081	16.228	BB	509123	6579401	88.44%	4.507%
16	17.105	17.024	17.174	BB	483260	6621699	89.01%	4.536%
17	17.991	17.921	18.068	BB	504839	6913369	92.93%	4.736%
18	18.823	18.761	18.898	BB	484107	6937205	93.25%	4.752%
19	19.605	19.561	19.681	BB	433514	6360559	85.50%	4.357%
20	20.344	20.301	20.421	BB	376583	5735761	77.10%	3.929%
21	21.068	20.971	21.161	BB	317963	5583007	75.05%	3.824%
22	21.949	21.871	22.058	BB	229126	5506936	74.02%	3.772%

Sum of corrected areas: 145981016

Aliphatic EPH 110724.M Thu Nov 07 06:39:47 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051077.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 07 04:47:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:46:41 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)	11.850	2968399	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	13.283	2253701	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.239	2716227	20.000 ug/ml
2)	T n-Decane (C10)	4.489	2756662	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.202	2657285	20.000 ug/ml
4)	T n-Dodecane (C12)	6.657	2791225	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.298	2480384	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.483	2766602	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.089	2819962	20.000 ug/ml
8)	T n-Octadecane (C18)	11.530	2833843	20.000 ug/ml
10)	T n-Eicosane (C20)	12.837	2712684	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.448	2648881	20.000 ug/ml
13)	T n-Docosane (C22)	14.033	2627674	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.134	2624630	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.154	2654184	20.000 ug/ml
16)	T n-Octacosane (C28)	17.102	2702186	20.000 ug/ml
17)	T n-Tricontane (C30)	17.989	2890205	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.820	2962222	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.602	2686081	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.342	2402353	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.065	2322118	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.945	2391344	20.000 ug/ml

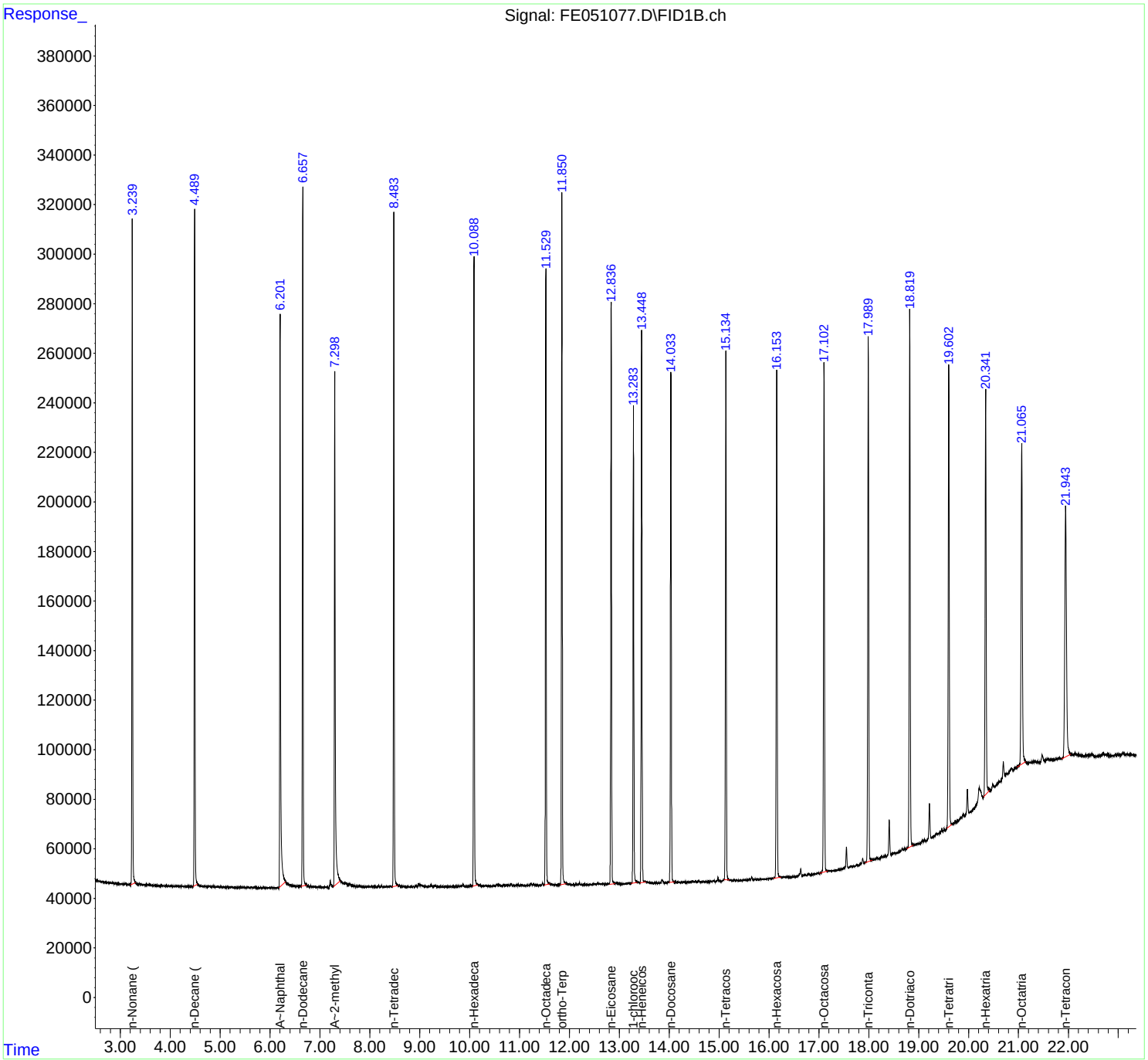
(f)=RT Delta > 1/2 Window (m)=manual int.

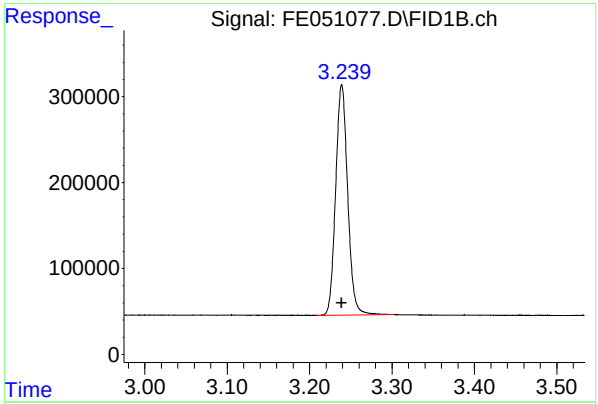
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051077.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 07 04:47:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:46:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

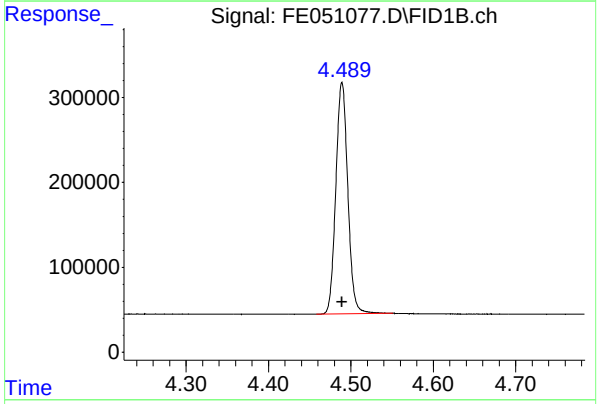




#1 n-Nonane (C9)

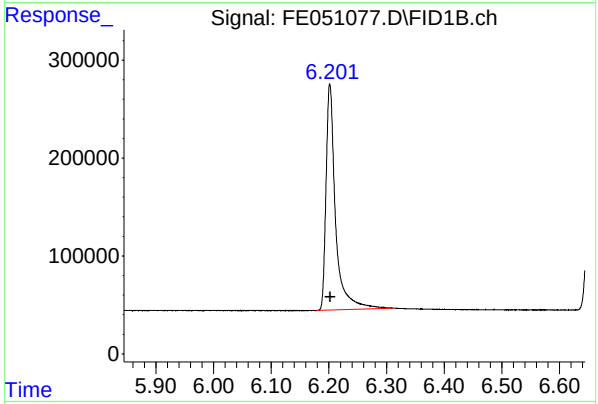
R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 2716227
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



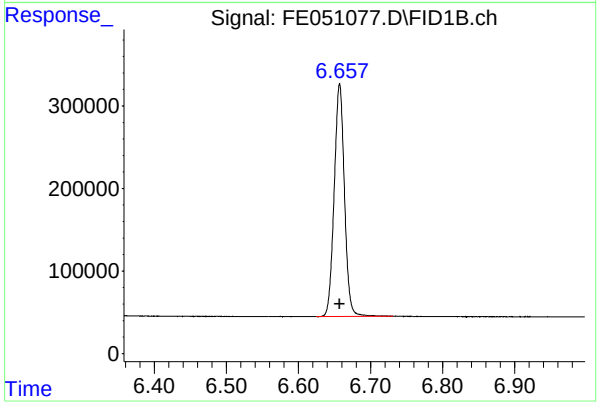
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 2756662
Conc: 20.00 ug/ml



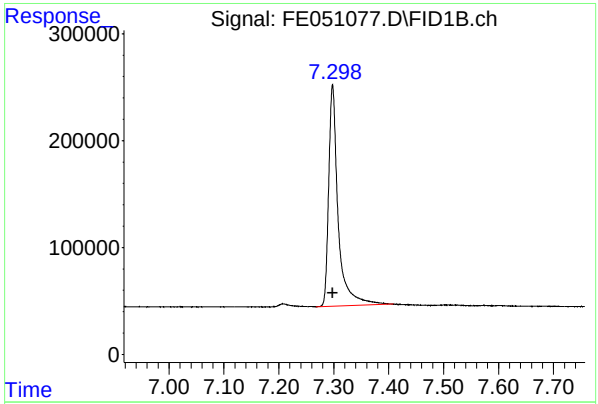
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 2657285
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

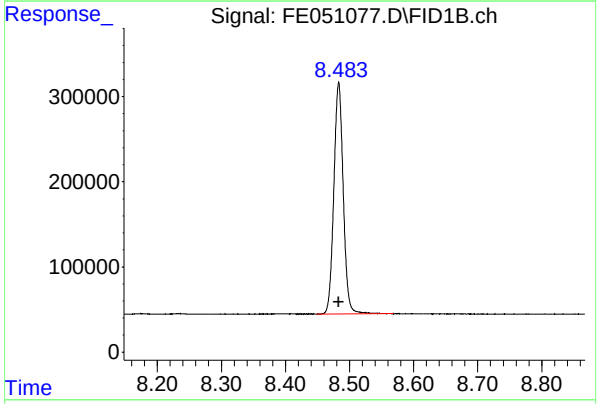
R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 2791225
Conc: 20.00 ug/ml



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

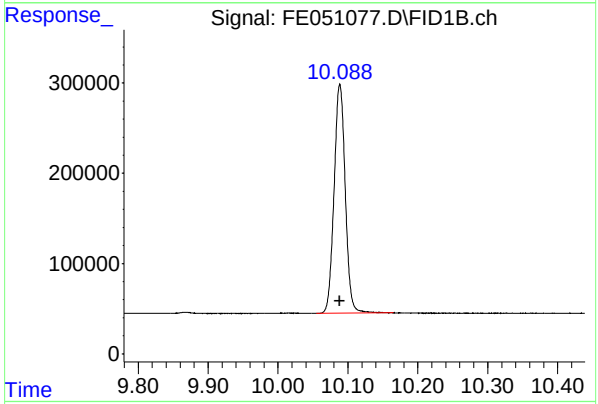
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 2480384
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



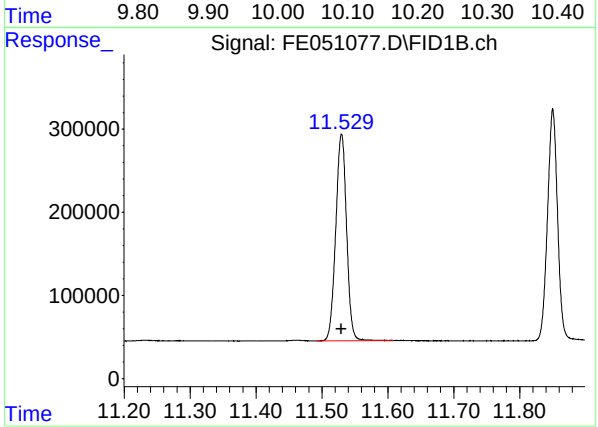
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 2766602
Conc: 20.00 ug/ml



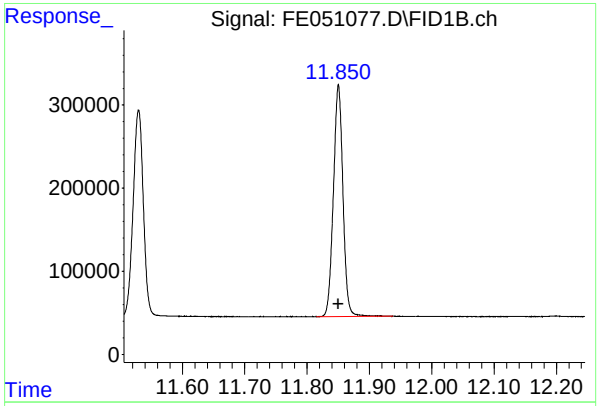
#7 n-Hexadecane (C16)

R.T.: 10.089 min
Delta R.T.: 0.000 min
Response: 2819962
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

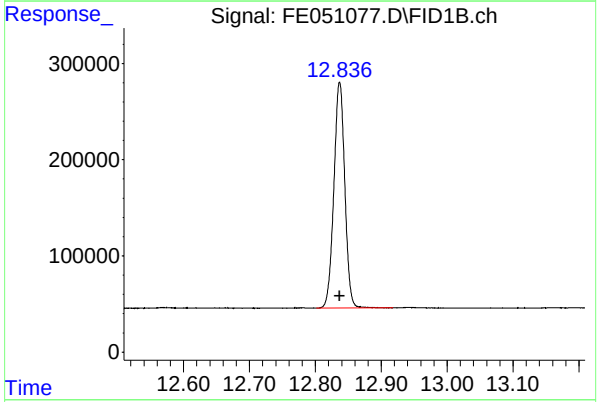
R.T.: 11.530 min
Delta R.T.: 0.000 min
Response: 2833843
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

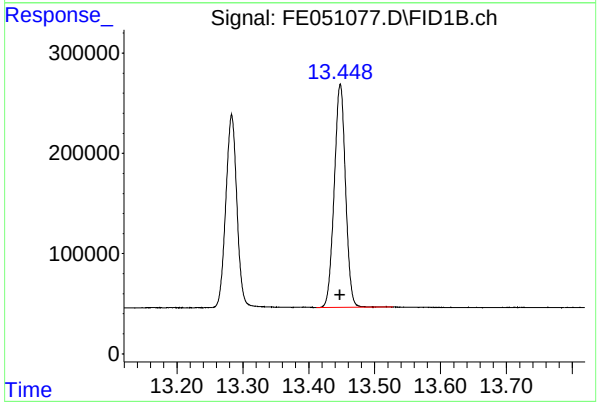
R.T.: 11.850 min
Delta R.T.: 0.000 min
Response: 2968399
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



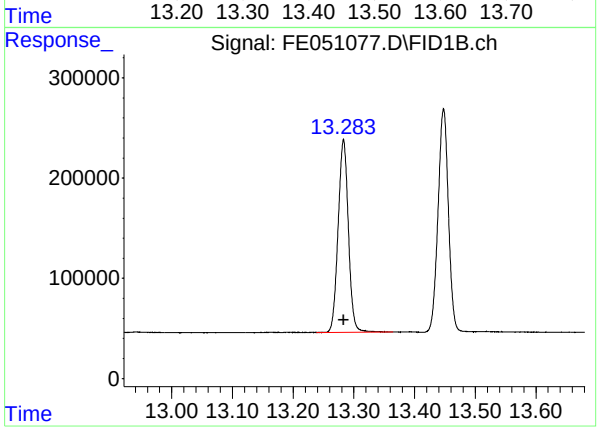
#10 n-Eicosane (C20)

R.T.: 12.837 min
Delta R.T.: 0.000 min
Response: 2712684
Conc: 20.00 ug/ml



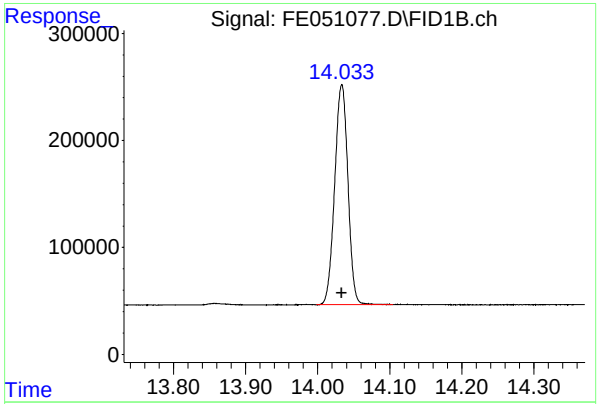
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: 0.000 min
Response: 2648881
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

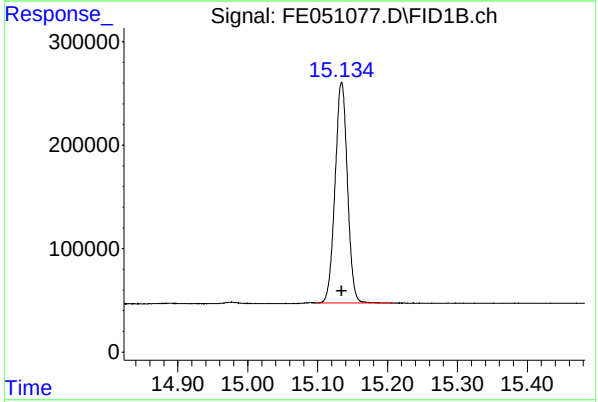
R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 2253701
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

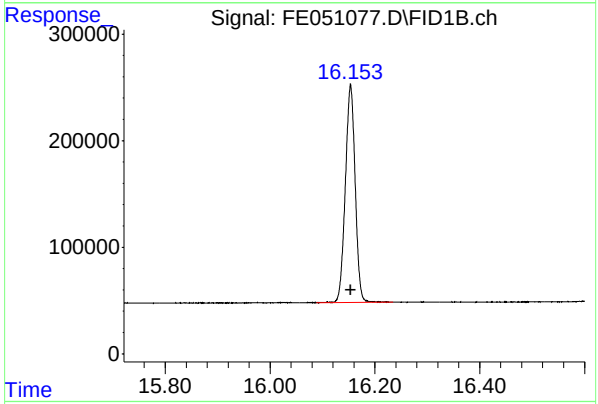
R.T.: 14.033 min
Delta R.T.: 0.000 min
Response: 2627674
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



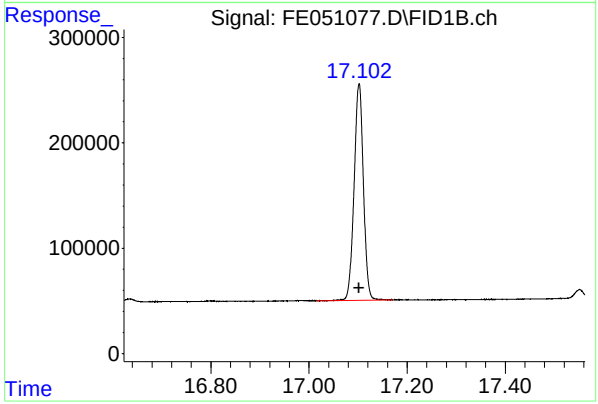
#14 n-Tetracosane (C24)

R.T.: 15.134 min
Delta R.T.: 0.000 min
Response: 2624630
Conc: 20.00 ug/ml



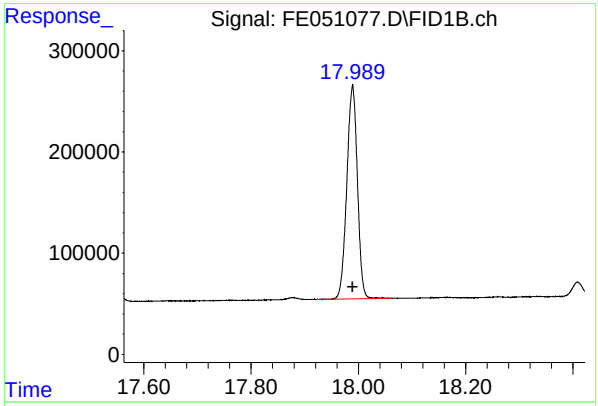
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: 0.000 min
Response: 2654184
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

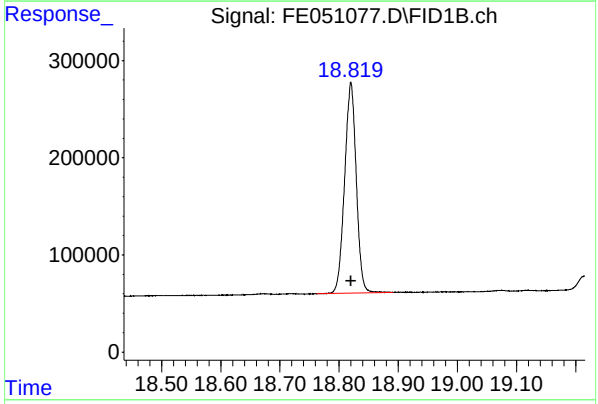
R.T.: 17.102 min
Delta R.T.: 0.000 min
Response: 2702186
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

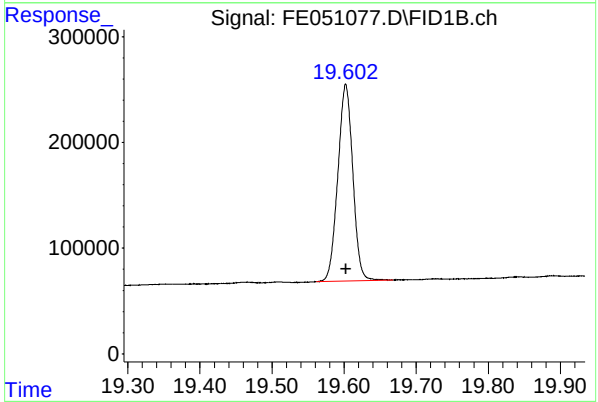
R.T.: 17.989 min
Delta R.T.: 0.000 min
Response: 2890205
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



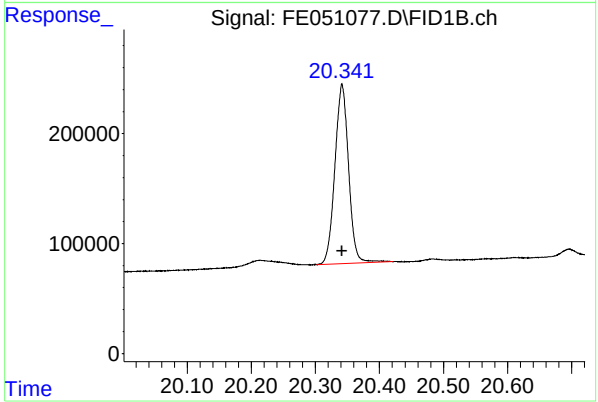
#18 n-Dotriacontane (C32)

R.T.: 18.820 min
Delta R.T.: 0.000 min
Response: 2962222
Conc: 20.00 ug/ml



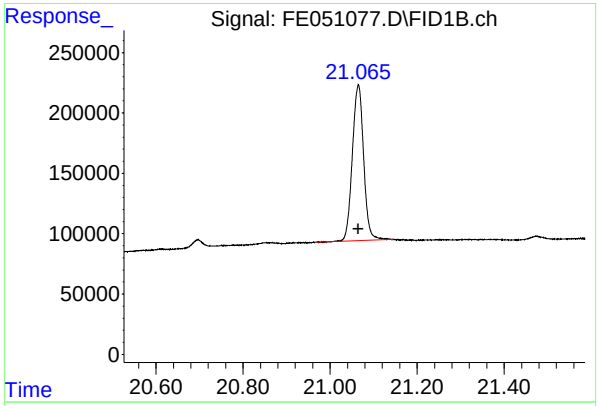
#19 n-Tetratriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 2686081
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

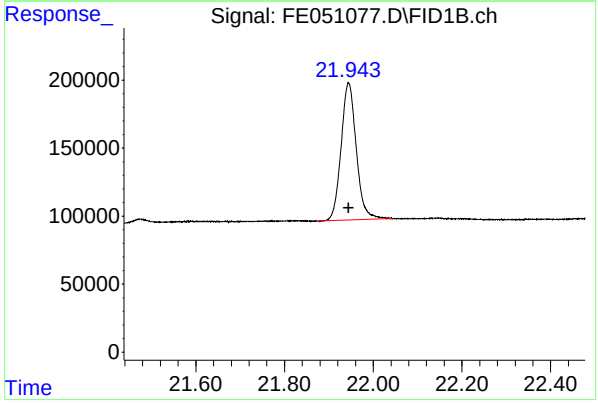
R.T.: 20.342 min
Delta R.T.: 0.000 min
Response: 2402353
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.065 min
Delta R.T.: 0.000 min
Response: 2322118
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.945 min
Delta R.T.: 0.000 min
Response: 2391344
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051077.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 17:52
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.208	3.301	BB	266887	2716227	91.50%	4.630%
2	4.489	4.458	4.551	BB	271882	2756662	92.87%	4.699%
3	6.202	6.178	6.311	BB	231533	2657285	89.52%	4.529%
4	6.657	6.625	6.731	BB	282034	2791225	94.03%	4.758%
5	7.298	7.268	7.408	BB	206579	2480384	83.56%	4.228%
6	8.483	8.448	8.568	BB	270525	2766602	93.20%	4.716%
7	10.089	10.055	10.165	BB	253646	2819962	95.00%	4.807%
8	11.530	11.491	11.608	BB	249851	2833843	95.47%	4.830%
9	11.850	11.815	11.938	BB	277757	2968399	100.00%	5.060%
10	12.837	12.801	12.918	BB	234994	2712684	91.39%	4.624%
11	13.283	13.238	13.365	BB	191639	2253701	75.92%	3.841%
12	13.448	13.411	13.528	BB	222710	2648881	89.24%	4.515%
13	14.033	13.998	14.105	BB	206499	2627674	88.52%	4.479%
14	15.134	15.098	15.208	BB	213222	2624630	88.42%	4.474%
15	16.154	16.088	16.235	BB	203985	2654184	89.41%	4.524%
16	17.102	17.015	17.171	BB	205505	2702186	91.03%	4.606%
17	17.989	17.921	18.065	BB	208655	2890205	97.37%	4.926%
18	18.820	18.761	18.891	BB	216663	2962222	99.79%	5.049%
19	19.602	19.561	19.668	BB	185371	2686081	90.49%	4.578%
20	20.342	20.301	20.421	BB	162768	2402353	80.93%	4.095%
21	21.065	20.968	21.145	BB	129093	2322118	78.23%	3.958%
22	21.945	21.871	22.045	BB	101043	2391344	80.56%	4.076%
			Sum of corrected areas:			58668851		

Aliphatic EPH 110724.M Thu Nov 07 06:40:20 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051078.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:22
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Integration File: autoint1.e
Quant Time: Nov 07 04:55:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:54:42 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)	11.849	1565644	10.545 ug/ml
Spiked Amount	50.000		Recovery =	21.09%
12) S	1-chlorooctadecane (S...	13.283	1176755	10.461 ug/ml
Spiked Amount	50.000		Recovery =	20.92%
	Target Compounds			
1) T	n-Nonane (C9)	3.239	1426184	10.387 ug/ml
2) T	n-Decane (C10)	4.489	1444976	10.388 ug/ml
3) T	A~Naphthalene (C11.7)	6.203	1341147	10.216 ug/ml
4) T	n-Dodecane (C12)	6.656	1460396	10.432 ug/ml
5) T	A~2-methylnaphthalene...	7.299	1295139	10.446 ug/mlm
6) T	n-Tetradecane (C14)	8.483	1443150	10.448 ug/ml
7) T	n-Hexadecane (C16)	10.088	1469868	10.451 ug/ml
8) T	n-Octadecane (C18)	11.528	1483612	10.491 ug/ml
10) T	n-Eicosane (C20)	12.836	1425003	10.521 ug/ml
11) T	n-Heneicosane (C21)	13.447	1390737	10.513 ug/ml
13) T	n-Docosane (C22)	14.033	1386349	10.540 ug/ml
14) T	n-Tetracosane (C24)	15.134	1376518	10.475 ug/ml
15) T	n-Hexacosane (C26)	16.154	1392936	10.512 ug/ml
16) T	n-Octacosane (C28)	17.100	1424573	10.568 ug/ml
17) T	n-Tricontane (C30)	17.987	1518163	10.568 ug/ml
18) T	n-Dotriacontane (C32)	18.819	1556973	10.615 ug/ml
19) T	n-Tetratriacontane (C34)	19.602	1411160	10.636 ug/ml
20) T	n-Hexatriacontane (C36)	20.341	1260253	10.713 ug/ml
21) T	n-Octatriacontane (C38)	21.064	1207468	10.773 ug/ml
22) T	n-Tetracontane (C40)	21.946	1185992	10.843 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051078.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:22
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 20 Sample Multiplier: 1

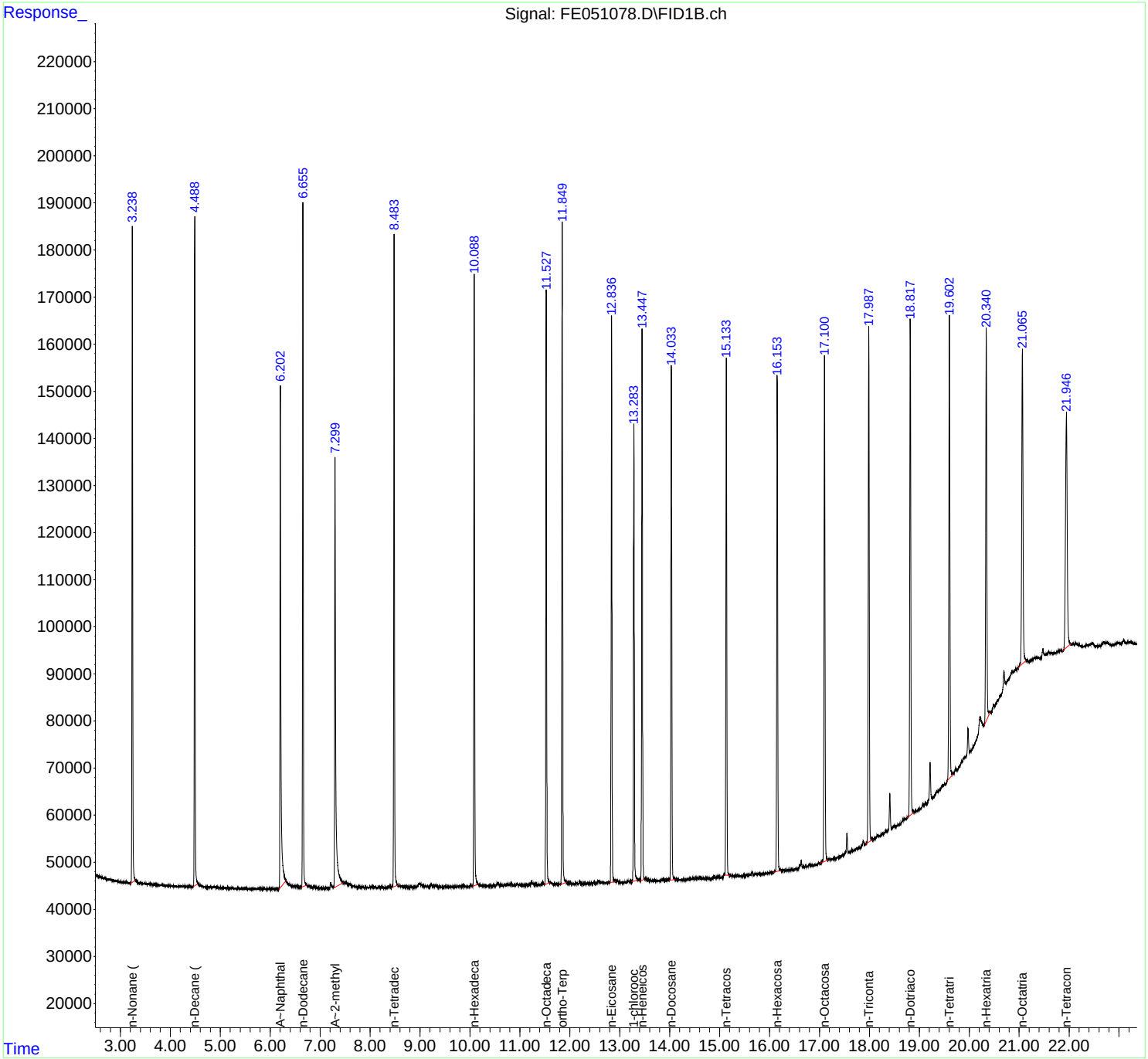
Integration File: autoint1.e
Quant Time: Nov 07 04:55:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:54:42 2024
Response via : Initial Calibration
Integrator: ChemStation

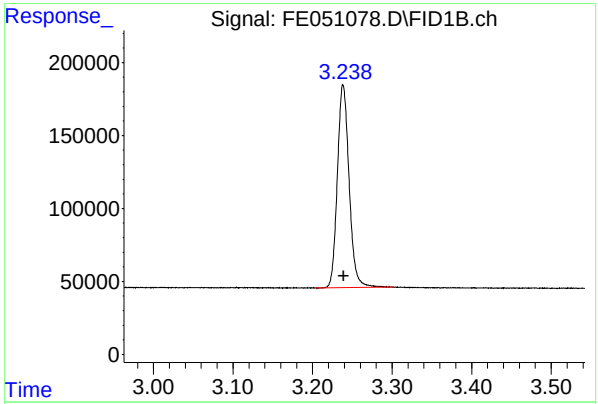
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024





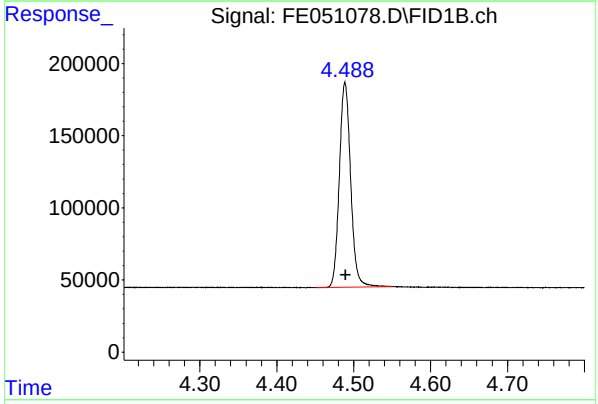
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 1426184
Conc: 10.39 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

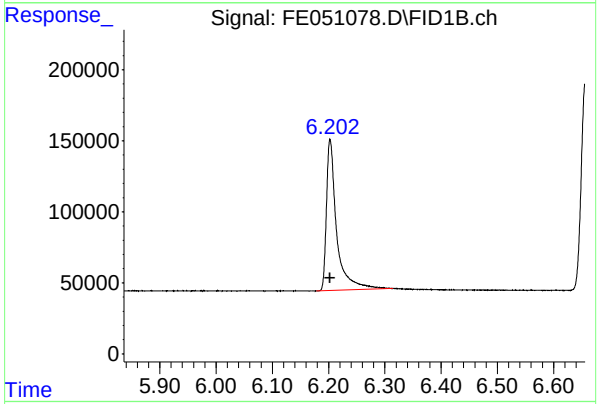
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



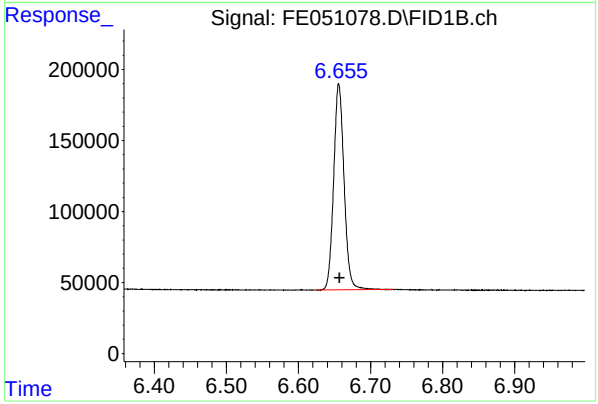
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 1444976
Conc: 10.39 ug/ml



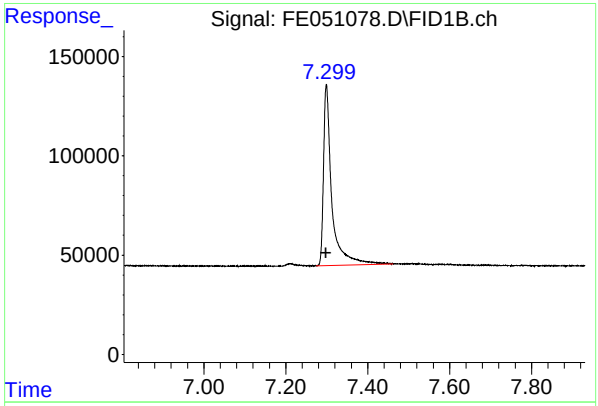
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: 0.001 min
Response: 1341147
Conc: 10.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min
Delta R.T.: 0.000 min
Response: 1460396
Conc: 10.43 ug/ml



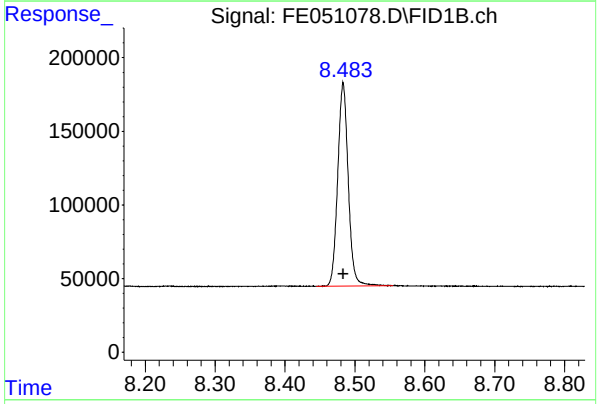
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1295139
Conc: 10.45 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

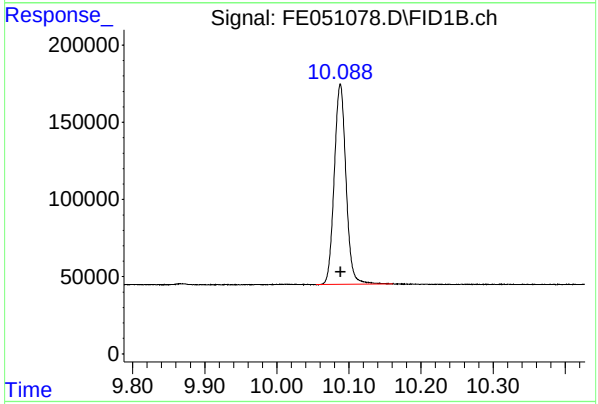
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



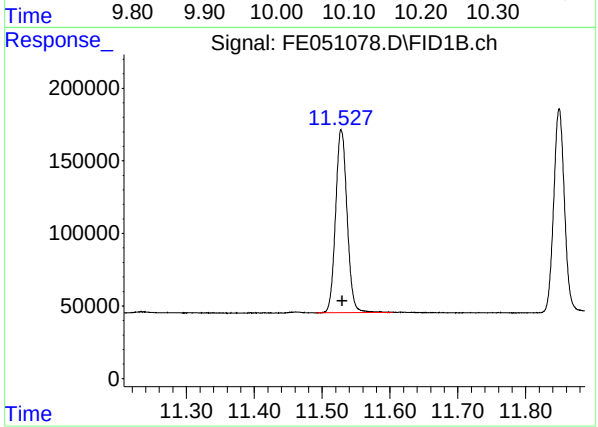
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 1443150
Conc: 10.45 ug/ml



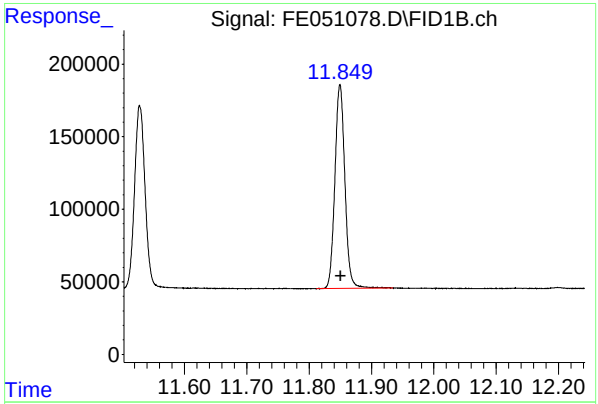
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 1469868
Conc: 10.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.001 min
Response: 1483612
Conc: 10.49 ug/ml



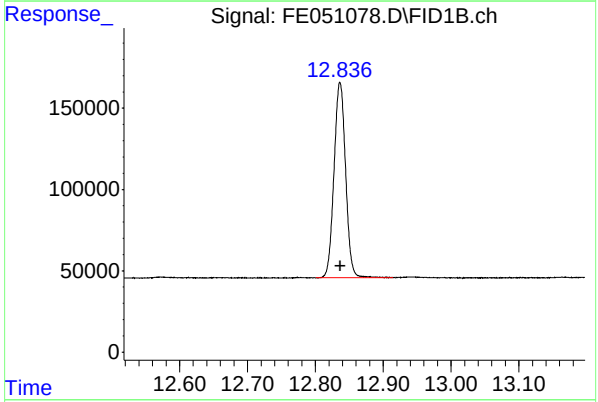
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 1565644
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

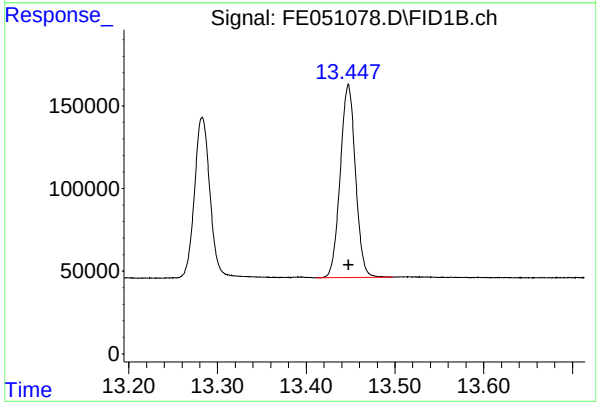
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



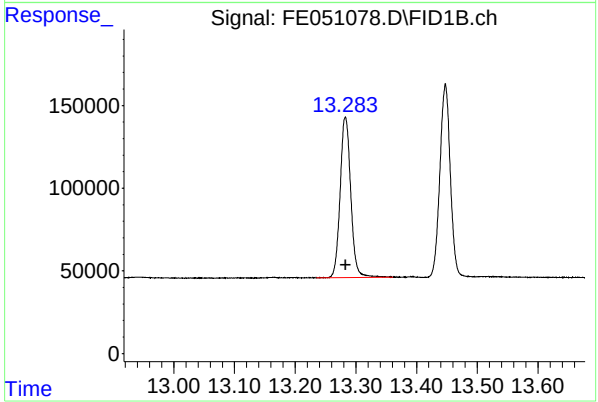
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: 0.000 min
Response: 1425003
Conc: 10.52 ug/ml



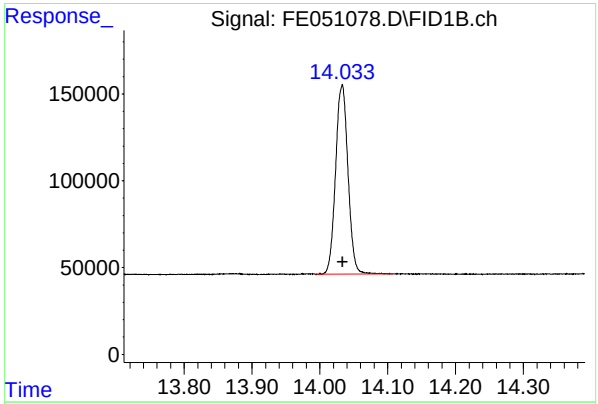
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 1390737
Conc: 10.51 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 1176755
Conc: 10.46 ug/ml



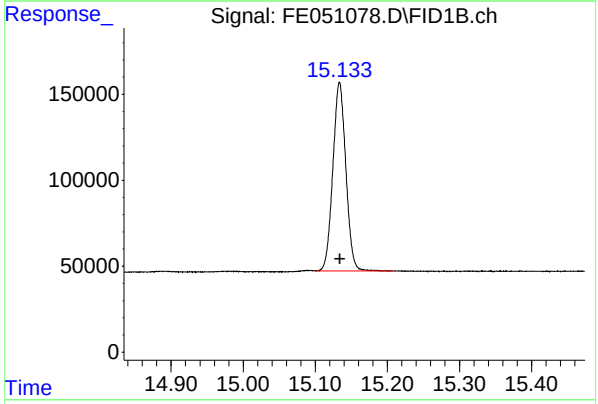
#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: 0.000 min
Response: 1386349
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

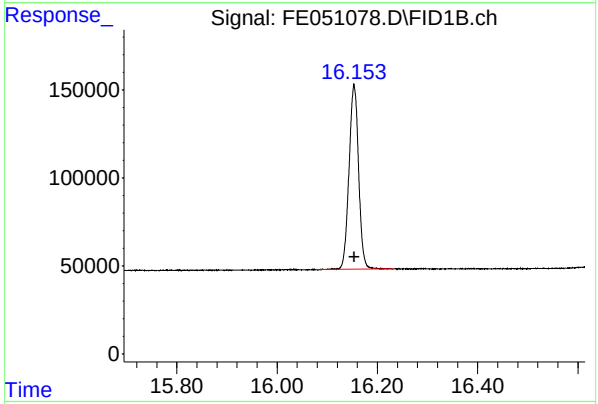
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



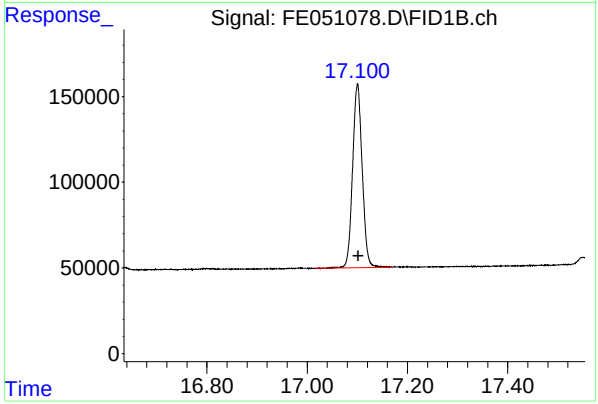
#14 n-Tetracosane (C24)

R.T.: 15.134 min
Delta R.T.: 0.000 min
Response: 1376518
Conc: 10.48 ug/ml



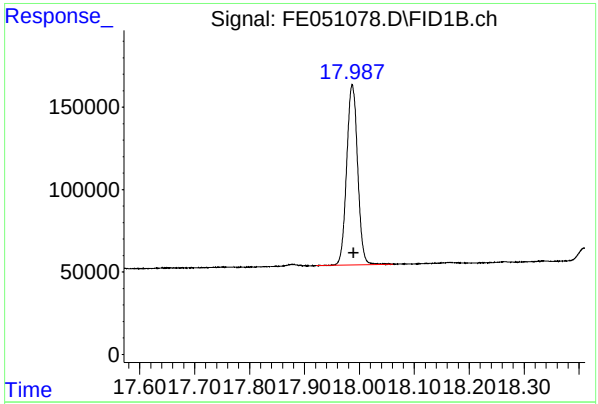
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: 0.000 min
Response: 1392936
Conc: 10.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.002 min
Response: 1424573
Conc: 10.57 ug/ml



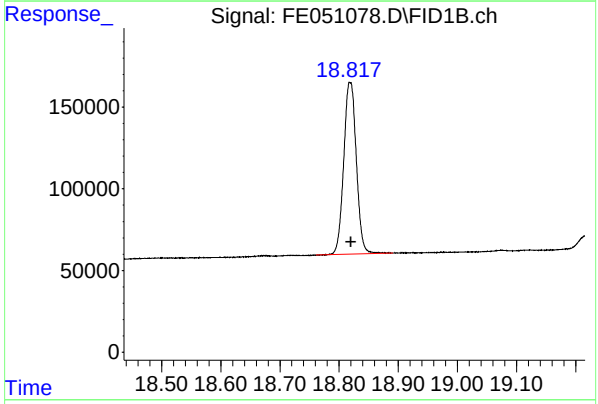
#17 n-Tricontane (C30)

R.T.: 17.987 min
Delta R.T.: -0.002 min
Response: 1518163
Conc: 10.57 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

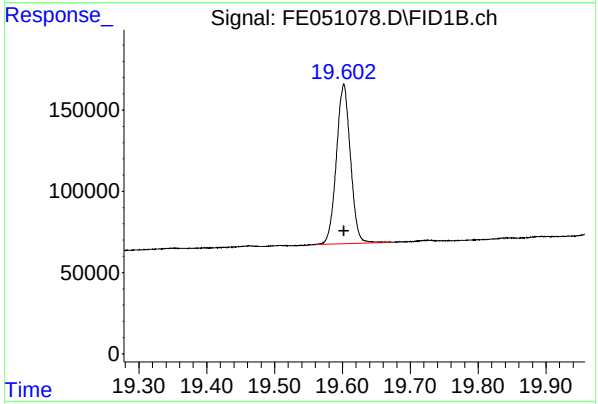
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



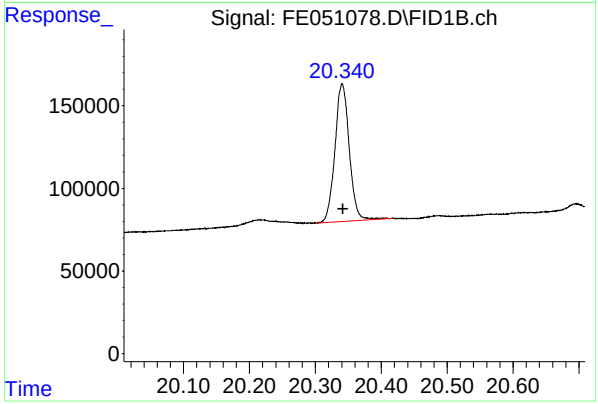
#18 n-Dotriacontane (C32)

R.T.: 18.819 min
Delta R.T.: -0.001 min
Response: 1556973
Conc: 10.61 ug/ml



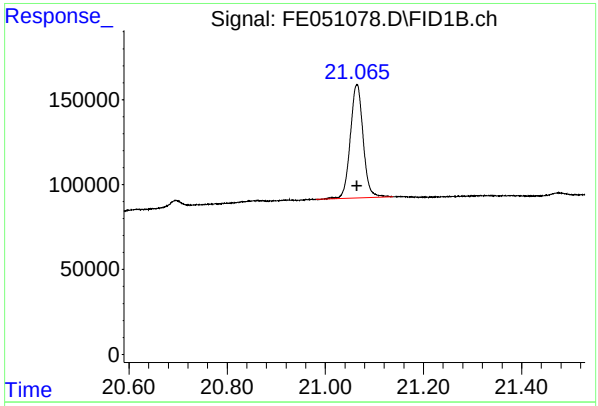
#19 n-Tetratriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 1411160
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.341 min
Delta R.T.: 0.000 min
Response: 1260253
Conc: 10.71 ug/ml



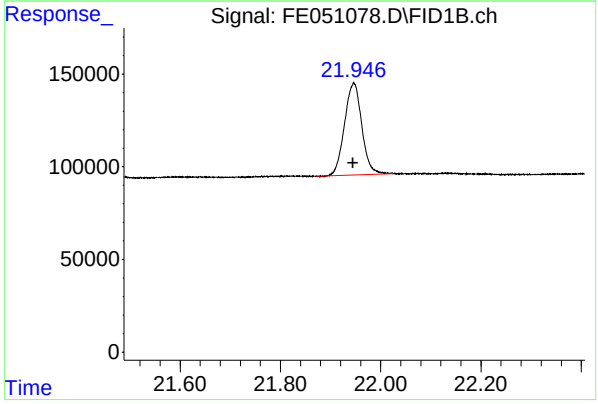
#21 n-Octatriacontane (C38)

R.T.: 21.064 min
Delta R.T.: 0.000 mi
Response: 1207468
Conc: 10.77 ug/m

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



#22 n-Tetracontane (C40)

R.T.: 21.946 min
Delta R.T.: 0.002 min
Response: 1185992
Conc: 10.84 ug/ml

rteres

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11072
Data File : FE051078.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:22
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.204	3.301	BB	139160	1426184	91.09%	4.675%
2	4.489	4.451	4.551	BB	141343	1444976	92.29%	4.737%
3	6.203	6.178	6.314	BB	104232	1341147	85.66%	4.397%
4	6.656	6.624	6.731	BB	142765	1460396	93.28%	4.787%
5	7.300	7.188	7.388	BB	88160	1156564	73.87%	3.791%
6	8.483	8.444	8.554	BB	137162	1443150	92.18%	4.731%
7	10.088	10.054	10.161	BB	129589	1469868	93.88%	4.819%
8	11.528	11.491	11.604	BB	126380	1483612	94.76%	4.864%
9	11.849	11.811	11.934	BB	139984	1565644	100.00%	5.133%
10	12.836	12.801	12.914	BB	120225	1425003	91.02%	4.671%
11	13.283	13.234	13.361	BB	96697	1176755	75.16%	3.858%
12	13.447	13.411	13.498	BB	116571	1390737	88.83%	4.559%
13	14.033	13.994	14.108	BB	108120	1386349	88.55%	4.545%
14	15.134	15.101	15.208	BB	109772	1376518	87.92%	4.513%
15	16.154	16.078	16.231	BB	104389	1392936	88.97%	4.566%
16	17.100	17.018	17.171	BB	107690	1424573	90.99%	4.670%
17	17.987	17.921	18.061	BB	108930	1518163	96.97%	4.977%
18	18.819	18.761	18.891	BB	105829	1556973	99.45%	5.104%
19	19.602	19.561	19.674	BB	97363	1411160	90.13%	4.626%
20	20.341	20.301	20.418	BB	83294	1260253	80.49%	4.131%
21	21.064	20.981	21.138	BB	66752	1207468	77.12%	3.958%
22	21.946	21.871	22.024	BB	49623	1185992	75.75%	3.888%
			Sum of corrected areas:			30504421		

Aliphatic EPH 110724.M Thu Nov 07 06:41:01 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051079.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:53
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Integration File: autoint1.e
Quant Time: Nov 07 04:51:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:50:43 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)	11.849	781023	5.407 ug/ml
Spiked Amount	50.000		Recovery =	10.81%
12) S	1-chlorooctadecane (S...	13.282	577997	5.240 ug/ml
Spiked Amount	50.000		Recovery =	10.48%
	Target Compounds			
1) T	n-Nonane (C9)	3.239	708000	5.280 ug/ml
2) T	n-Decane (C10)	4.489	713817	5.246 ug/ml
3) T	A~Naphthalene (C11.7)	6.207	571648	4.249 ug/ml
4) T	n-Dodecane (C12)	6.657	723070	5.287 ug/ml
5) T	A~2-methylnaphthalene...	7.303	546326	4.316 ug/ml
6) T	n-Tetradecane (C14)	8.483	717946	5.324 ug/ml
7) T	n-Hexadecane (C16)	10.088	729959	5.316 ug/ml
8) T	n-Octadecane (C18)	11.528	739553	5.372 ug/ml
10) T	n-Eicosane (C20)	12.836	716888	5.452 ug/ml
11) T	n-Heneicosane (C21)	13.447	695602	5.404 ug/ml
13) T	n-Docosane (C22)	14.031	694430	5.432 ug/ml
14) T	n-Tetracosane (C24)	15.133	692936	5.418 ug/ml
15) T	n-Hexacosane (C26)	16.151	703789	5.462 ug/ml
16) T	n-Octacosane (C28)	17.100	731057	5.612 ug/ml
17) T	n-Tricontane (C30)	17.987	808062	5.882 ug/ml
18) T	n-Dotriacontane (C32)	18.818	849237	6.107 ug/ml
19) T	n-Tetratriacontane (C34)	19.602	750913	5.929 ug/ml
20) T	n-Hexatriacontane (C36)	20.341	647398	5.720 ug/ml
21) T	n-Octatriacontane (C38)	21.063	614335	5.747 ug/ml
22) T	n-Tetracontane (C40)	21.941	608672	5.920 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051079.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:53
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 21 Sample Multiplier: 1

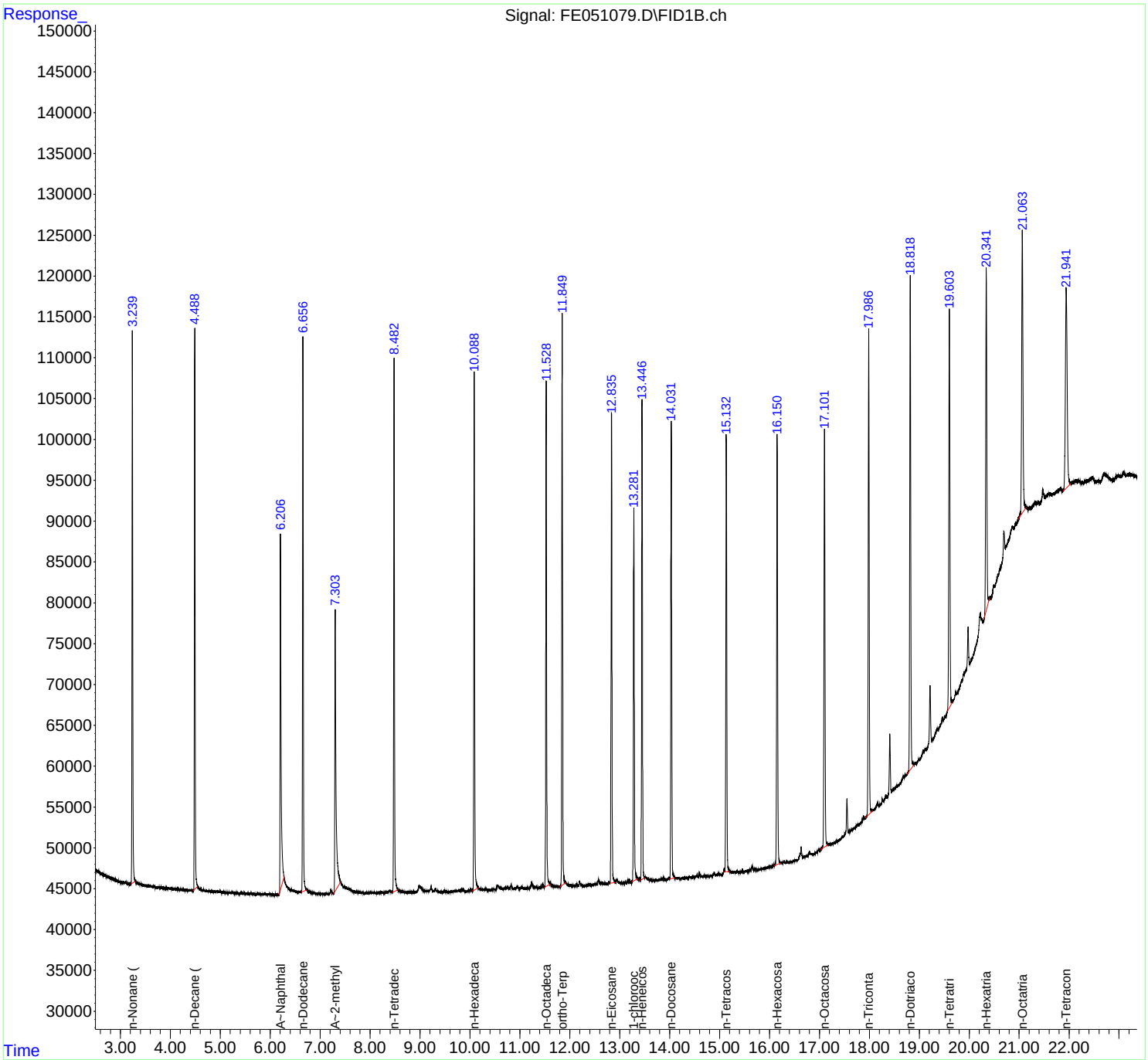
Integration File: autoint1.e
Quant Time: Nov 07 04:51:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:50:43 2024
Response via : Initial Calibration
Integrator: ChemStation

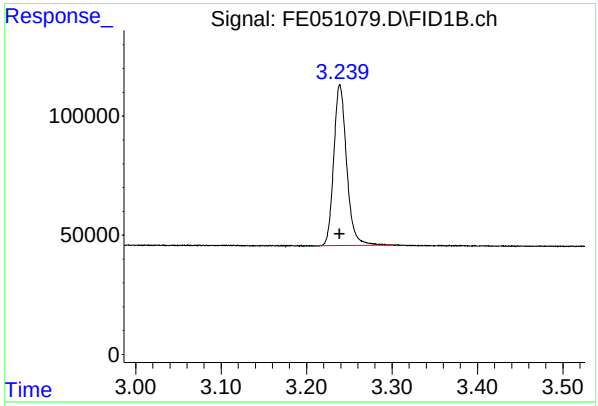
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024





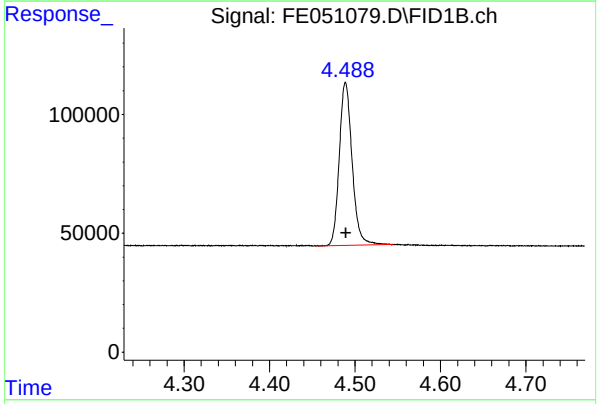
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 708000
Conc: 5.28 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

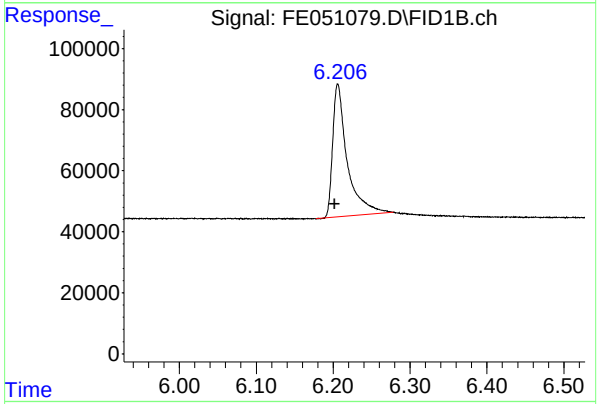
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



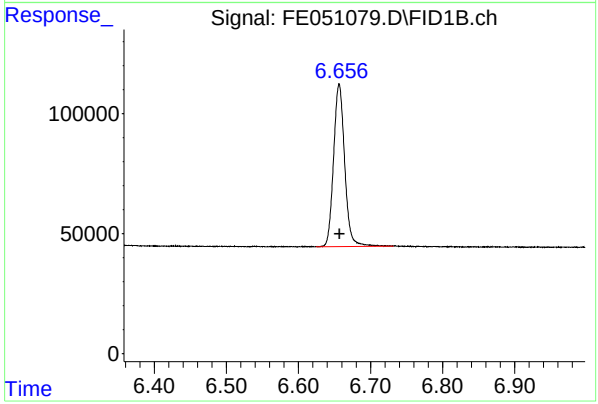
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 713817
Conc: 5.25 ug/ml



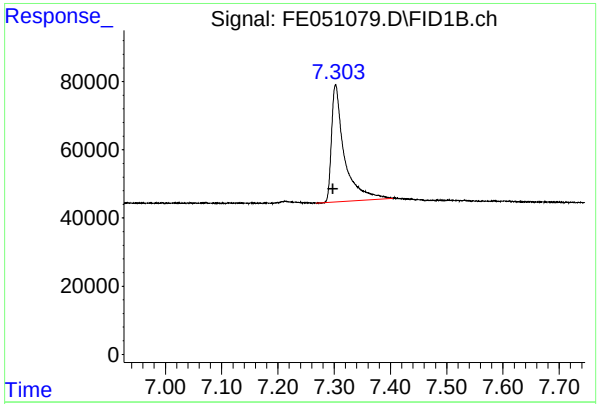
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: 0.005 min
Response: 571648
Conc: 4.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 723070
Conc: 5.29 ug/ml



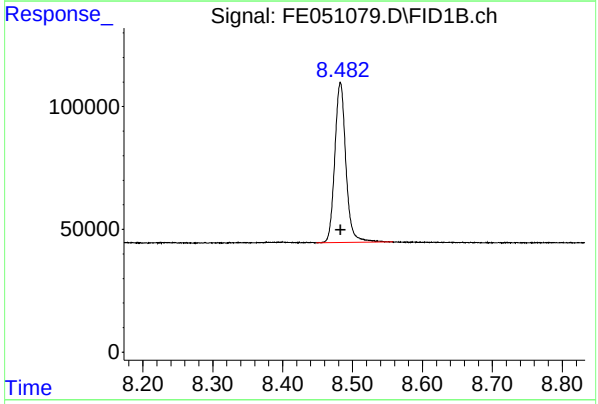
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.303 min
Delta R.T.: 0.005 min
Response: 546326
Conc: 4.32 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

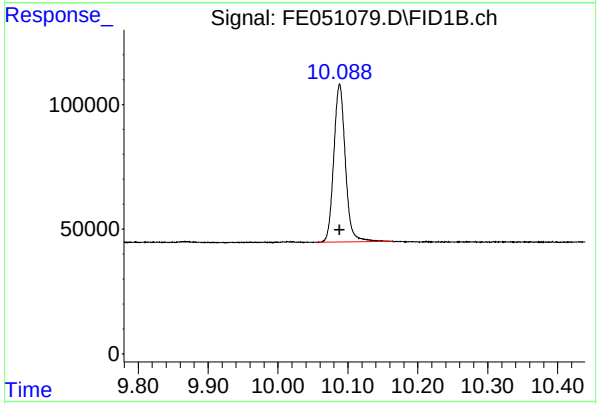
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



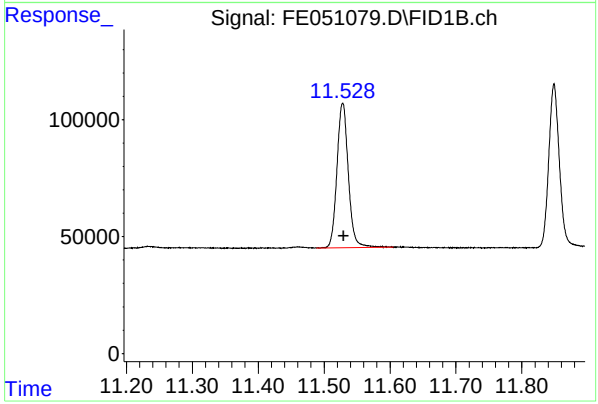
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 717946
Conc: 5.32 ug/ml



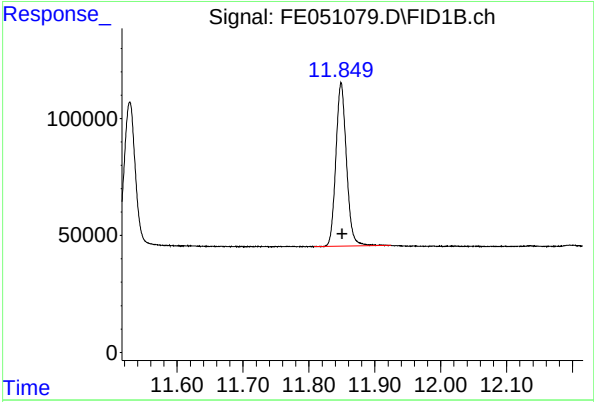
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 729959
Conc: 5.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.002 min
Response: 739553
Conc: 5.37 ug/ml



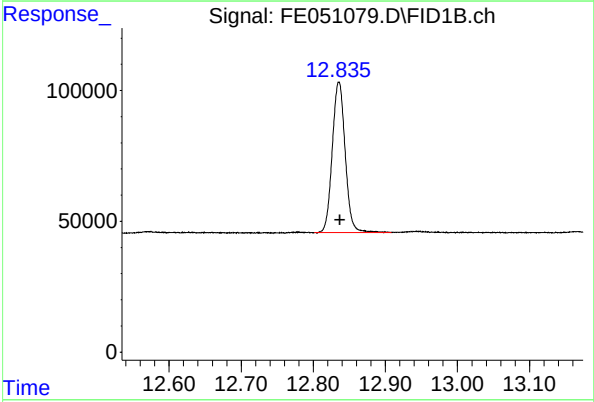
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: -0.002 min
Response: 781023
Conc: 5.41 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

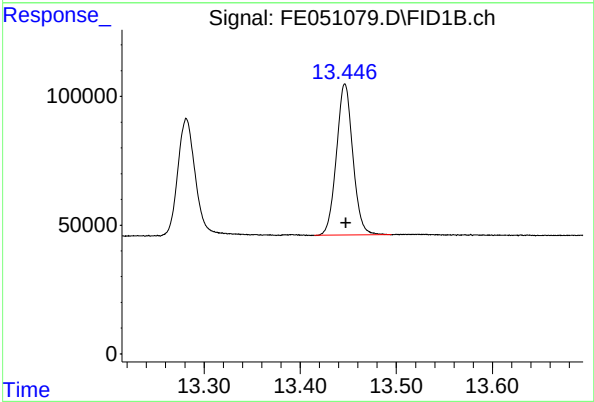
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



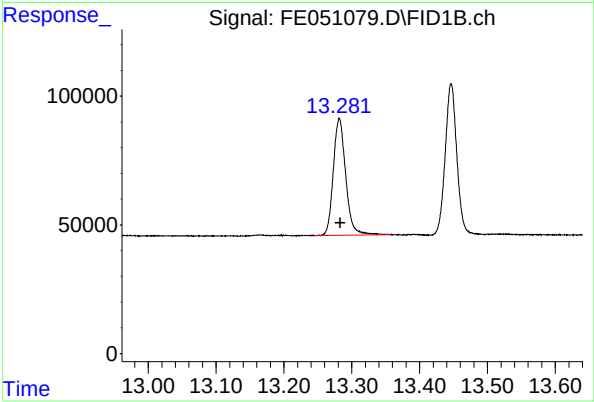
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.001 min
Response: 716888
Conc: 5.45 ug/ml



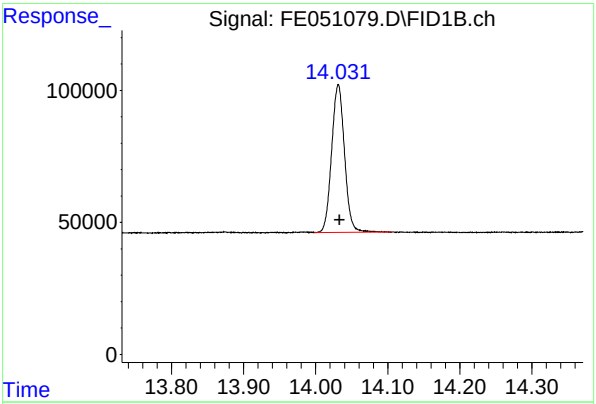
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: -0.001 min
Response: 695602
Conc: 5.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.282 min
Delta R.T.: -0.001 min
Response: 577997
Conc: 5.24 ug/ml



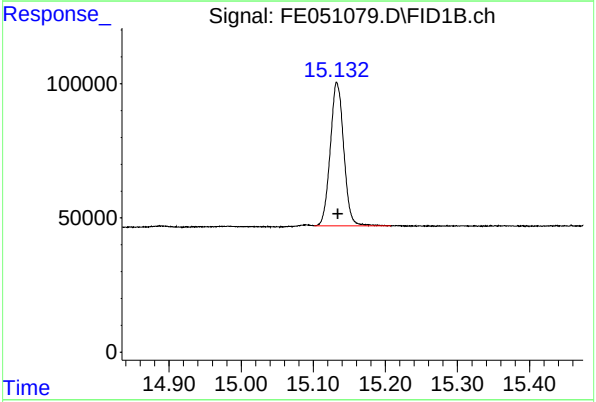
#13 n-Docosane (C22)

R.T.: 14.031 min
Delta R.T.: -0.002 min
Response: 694430
Conc: 5.43 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

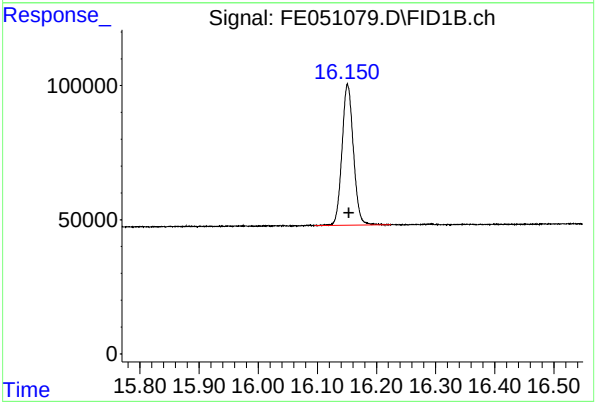
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



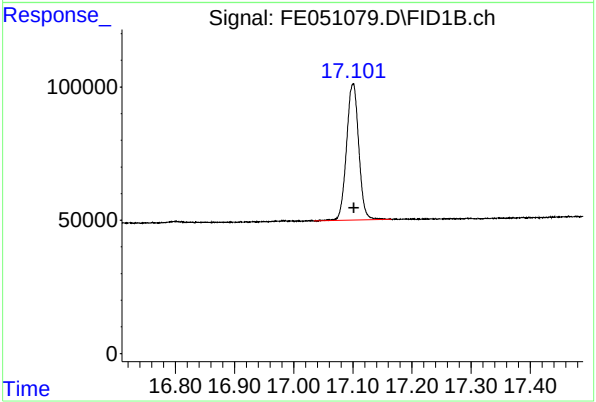
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.001 min
Response: 692936
Conc: 5.42 ug/ml



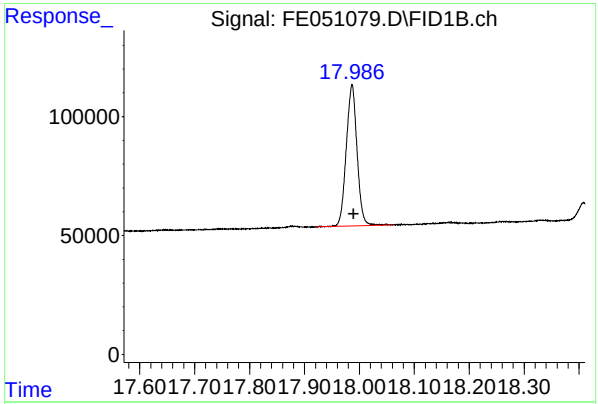
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.002 min
Response: 703789
Conc: 5.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.002 min
Response: 731057
Conc: 5.61 ug/ml



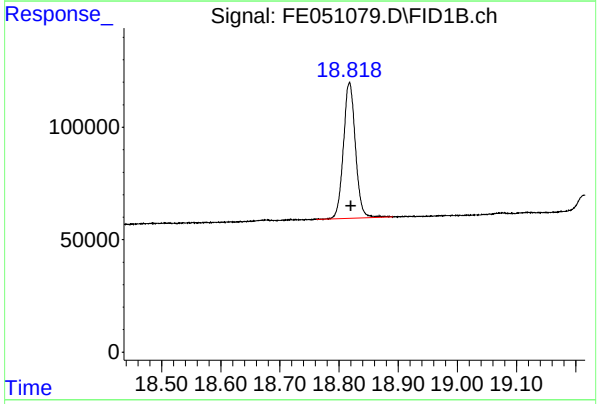
#17 n-Tricontane (C30)

R.T.: 17.987 min
Delta R.T.: -0.003 min
Response: 808062
Conc: 5.88 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

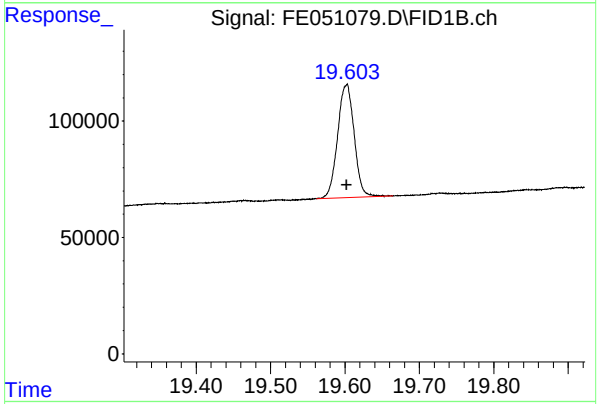
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



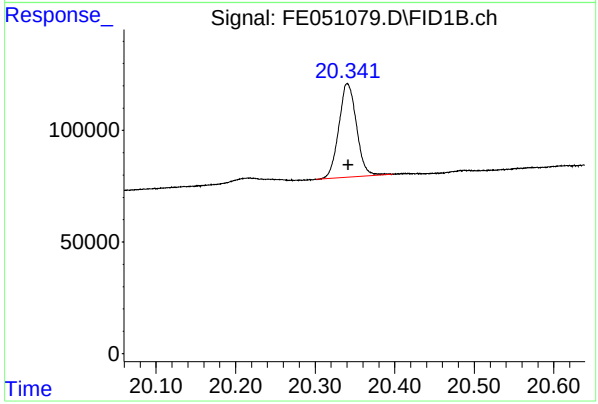
#18 n-Dotriacontane (C32)

R.T.: 18.818 min
Delta R.T.: -0.002 min
Response: 849237
Conc: 6.11 ug/ml



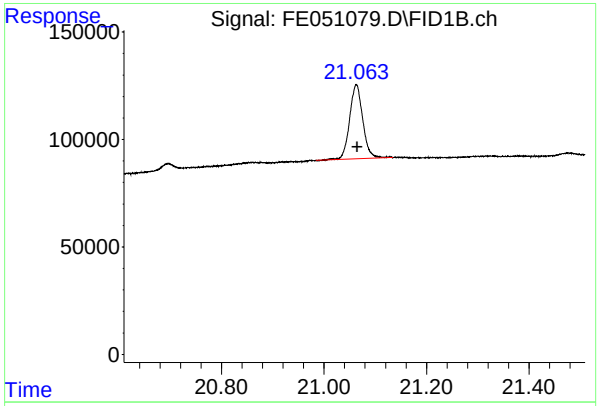
#19 n-Tetratriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 750913
Conc: 5.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.341 min
Delta R.T.: 0.000 min
Response: 647398
Conc: 5.72 ug/ml



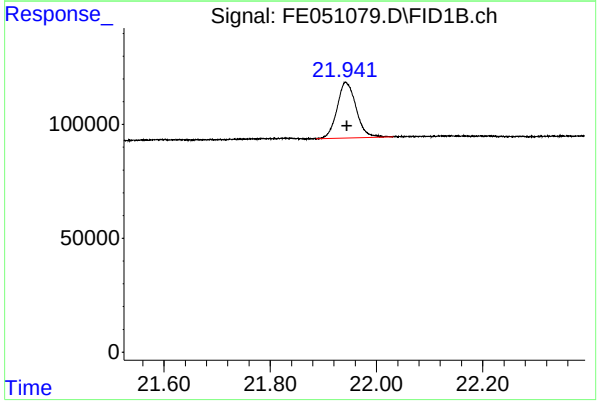
#21 n-Octatriacontane (C38)

R.T.: 21.063 min
Delta R.T.: -0.002 mi
Response: 614335
Conc: 5.75 ug/m

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024



#22 n-Tetracontane (C40)

R.T.: 21.941 min
Delta R.T.: -0.004 min
Response: 608672
Conc: 5.92 ug/ml m

Instrument :
FID_E
LabSampleId :
5 PPM ALIPHATIC HC STD5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :Ankita Jodhani 11/07/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11072
Data File : FE051079.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 18:53
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.211	3.301	BB	67350	708000	83.37%	4.619%
2	4.489	4.455	4.545	BB	68431	713817	84.05%	4.657%
3	6.207	6.178	6.278	BB	42646	571648	67.31%	3.729%
4	6.657	6.625	6.731	BB	67441	723070	85.14%	4.717%
5	7.303	7.268	7.405	BB	33847	546326	64.33%	3.564%
6	8.483	8.448	8.558	BB	64846	717946	84.54%	4.684%
7	10.088	10.055	10.165	BB	63141	729959	85.95%	4.762%
8	11.528	11.488	11.605	BB	61850	739553	87.08%	4.825%
9	11.849	11.808	11.925	BB	69310	781023	91.97%	5.095%
10	12.836	12.801	12.908	BB	57625	716888	84.42%	4.677%
11	13.282	13.245	13.358	BB	45285	577997	68.06%	3.771%
12	13.447	13.415	13.495	BB	58796	695602	81.91%	4.538%
13	14.031	13.998	14.105	BB	55901	694430	81.77%	4.530%
14	15.133	15.101	15.208	BB	52601	692936	81.60%	4.520%
15	16.151	16.095	16.224	BB	52412	703789	82.87%	4.591%
16	17.100	17.035	17.165	BB	51433	731057	86.08%	4.769%
17	17.987	17.921	18.061	BB	59581	808062	95.15%	5.271%
18	18.818	18.761	18.891	BB	60236	849237	100.00%	5.540%
19	19.602	19.561	19.665	BB	48298	750913	88.42%	4.899%
20	20.341	20.301	20.398	BB	41798	647398	76.23%	4.223%
21	21.063	20.985	21.135	BB	34779	614335	72.34%	4.008%
22	21.941	21.863	22.068	M	24507	615021	72.42%	4.012%
			Sum of corrected areas:			15329005		

Aliphatic EPH 110724.M Thu Nov 07 06:41:44 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051080.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 19:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Nov 07 04:57:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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)	11.850	2942288	19.603 ug/ml
Spiked Amount	50.000		Recovery =	39.21%
12) S	1-chlorooctadecane (S...	13.282	2226415	19.611 ug/ml
Spiked Amount	50.000		Recovery =	39.22%
	Target Compounds			
1) T	n-Nonane (C9)	3.239	2722511	19.676 ug/ml
2) T	n-Decane (C10)	4.489	2753679	19.644 ug/ml
3) T	A~Naphthalene (C11.7)	6.202	2658198	20.161 ug/ml
4) T	n-Dodecane (C12)	6.657	2773973	19.646 ug/ml
5) T	A~2-methylnaphthalene...	7.298	2436503	19.477 ug/ml
6) T	n-Tetradecane (C14)	8.483	2733431	19.614 ug/ml
7) T	n-Hexadecane (C16)	10.088	2786787	19.638 ug/ml
8) T	n-Octadecane (C18)	11.529	2807159	19.657 ug/ml
10) T	n-Eicosane (C20)	12.835	2686473	19.630 ug/ml
11) T	n-Heneicosane (C21)	13.447	2623993	19.634 ug/ml
13) T	n-Docosane (C22)	14.032	2608929	19.623 ug/ml
14) T	n-Tetracosane (C24)	15.133	2597382	19.580 ug/ml
15) T	n-Hexacosane (C26)	16.153	2611945	19.511 ug/ml
16) T	n-Octacosane (C28)	17.101	2629871	19.291 ug/ml
17) T	n-Tricontane (C30)	17.987	2729015	18.784 ug/ml
18) T	n-Dotriacontane (C32)	18.818	2734748	18.418 ug/ml
19) T	n-Tetratriacontane (C34)	19.602	2494543	18.565 ug/ml
20) T	n-Hexatriacontane (C36)	20.342	2221919	18.622 ug/ml
21) T	n-Octatriacontane (C38)	21.064	2040381	17.927 ug/ml
22) T	n-Tetracontane (C40)	21.945	1820370	16.367 ug/ml

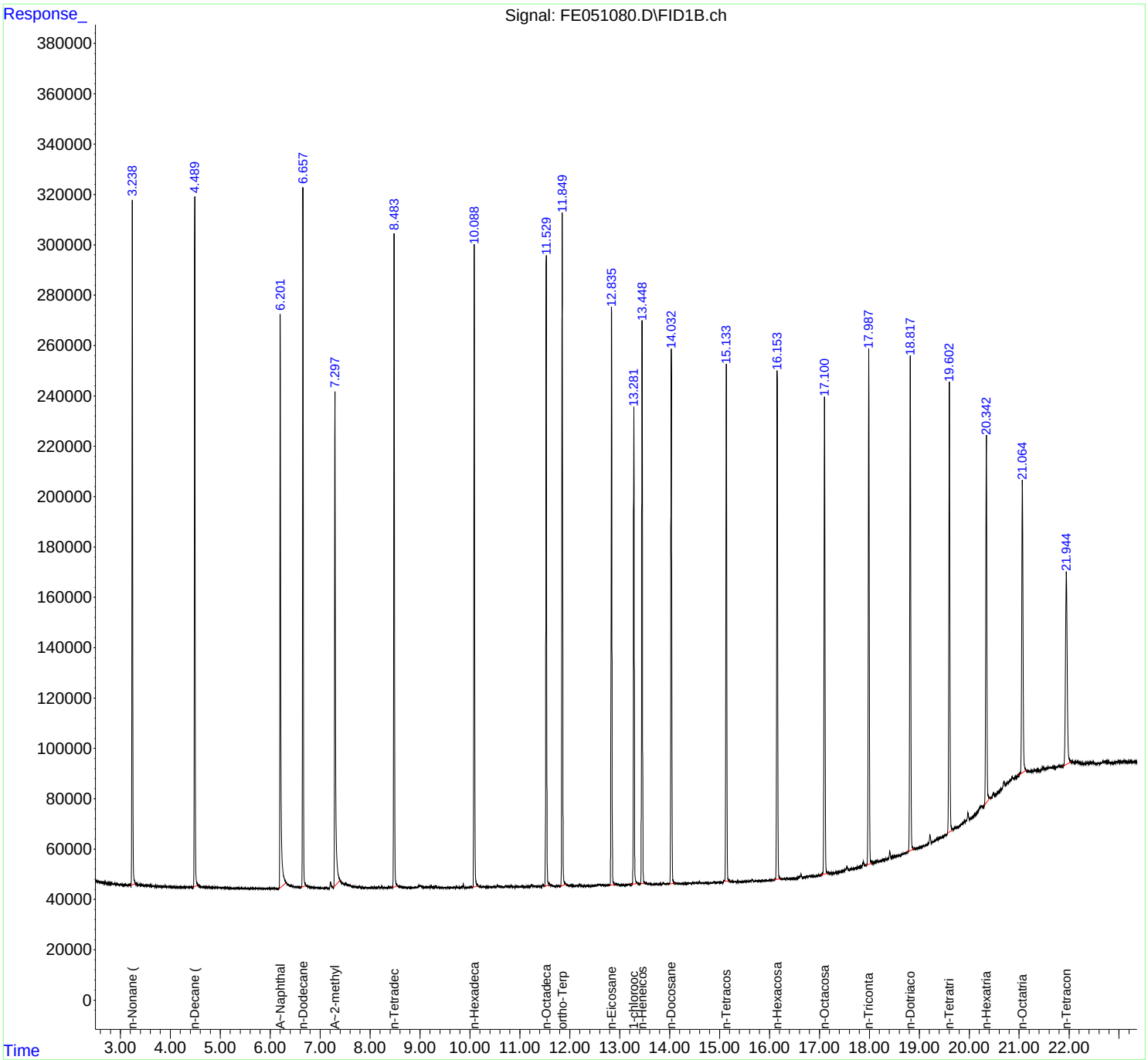
(f)=RT Delta > 1/2 Window (m)=manual int.

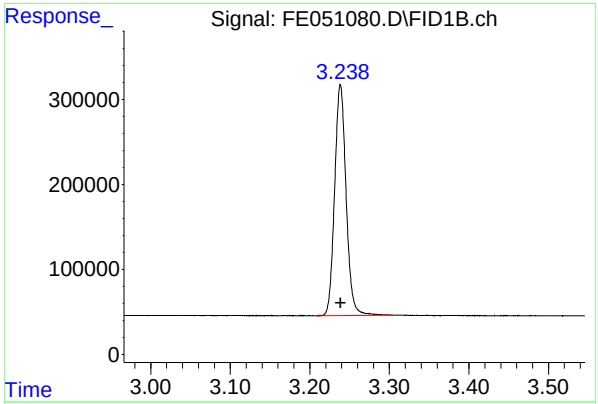
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051080.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 19:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Nov 07 04:57:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

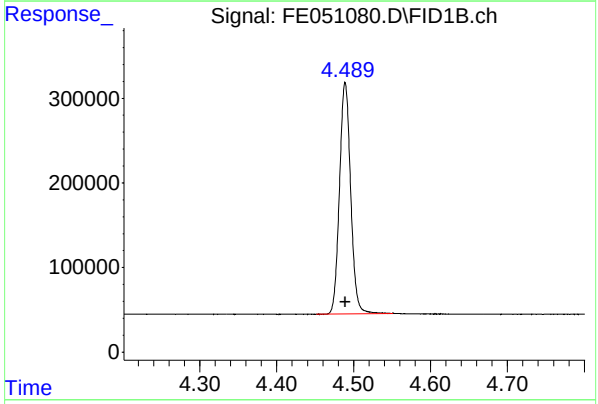




#1 n-Nonane (C9)

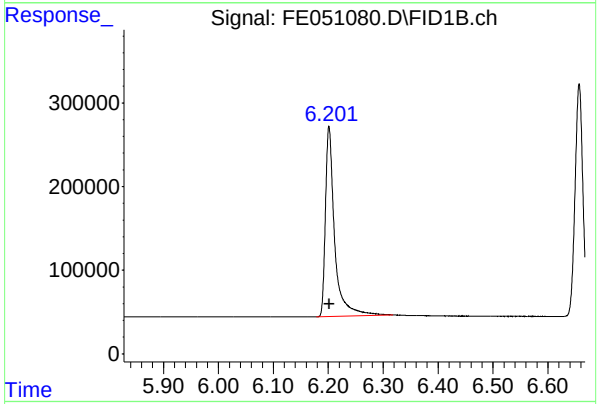
R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 2722511
Conc: 19.68 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



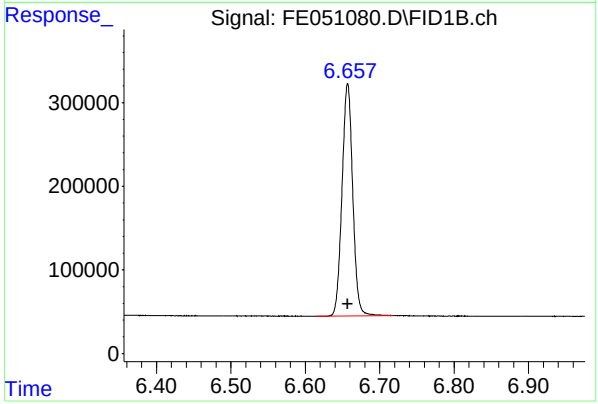
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 2753679
Conc: 19.64 ug/ml



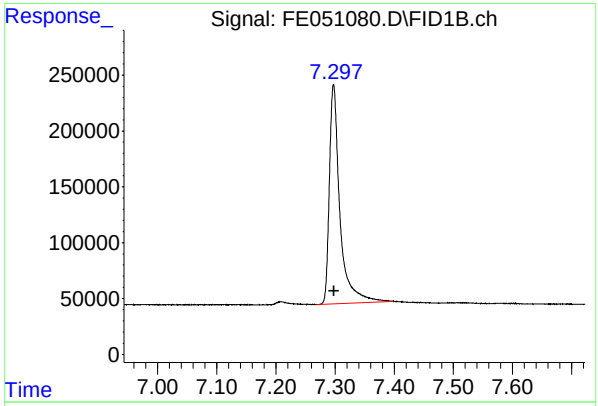
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: 0.000 min
Response: 2658198
Conc: 20.16 ug/ml



#4 n-Dodecane (C12)

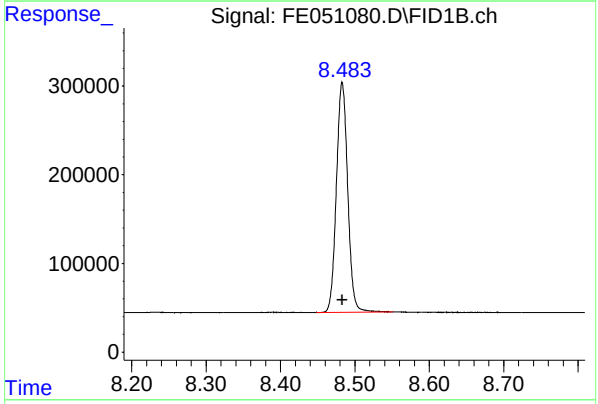
R.T.: 6.657 min
Delta R.T.: 0.000 min
Response: 2773973
Conc: 19.65 ug/ml



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

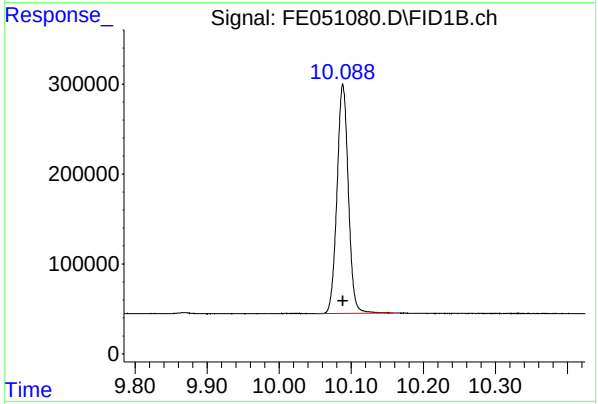
R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 2436503
Conc: 19.48 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



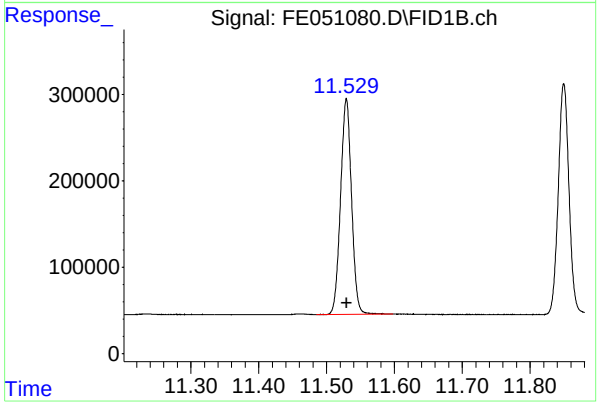
#6 n-Tetradecane (C14)

R.T.: 8.483 min
Delta R.T.: 0.000 min
Response: 2733431
Conc: 19.61 ug/ml



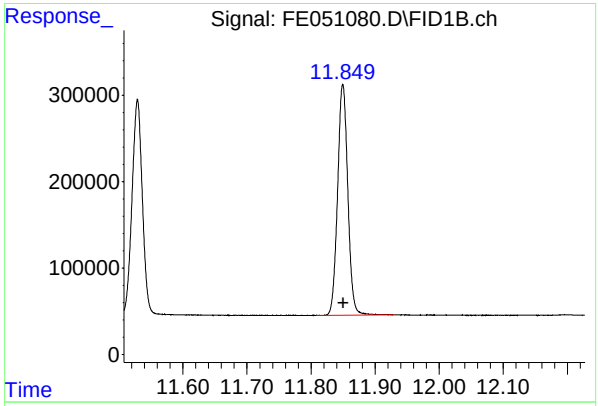
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: 0.000 min
Response: 2786787
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

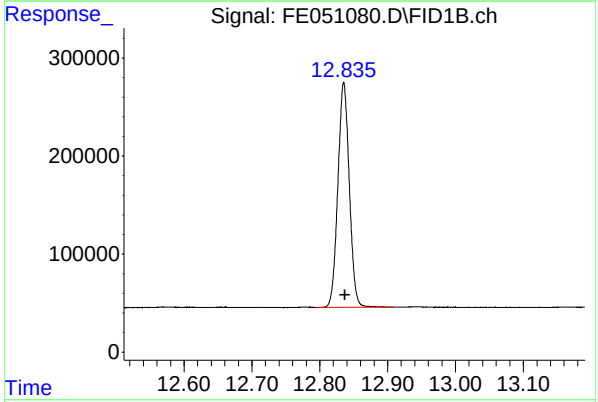
R.T.: 11.529 min
Delta R.T.: 0.000 min
Response: 2807159
Conc: 19.66 ug/ml



#9 ortho-Terphenyl (SURR)

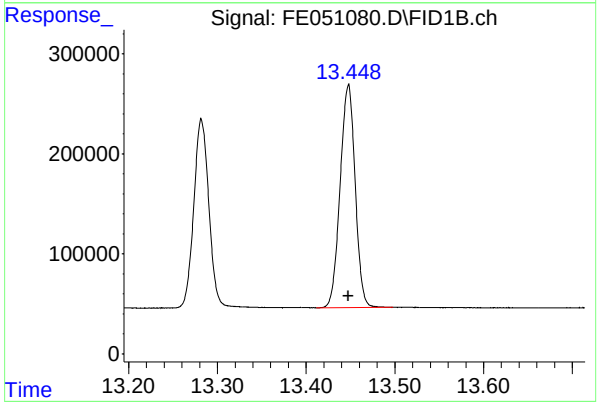
R.T.: 11.850 min
Delta R.T.: 0.000 min
Response: 2942288
Conc: 19.60 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



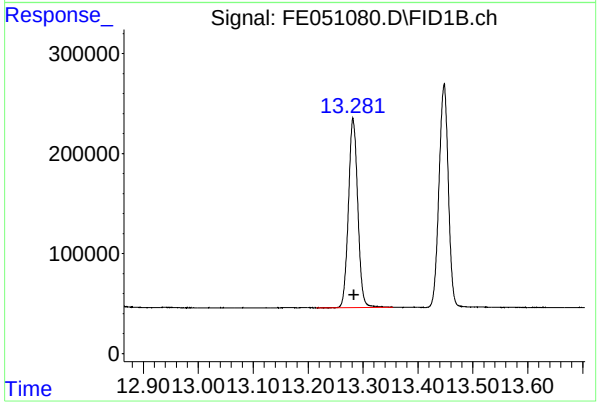
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: -0.002 min
Response: 2686473
Conc: 19.63 ug/ml



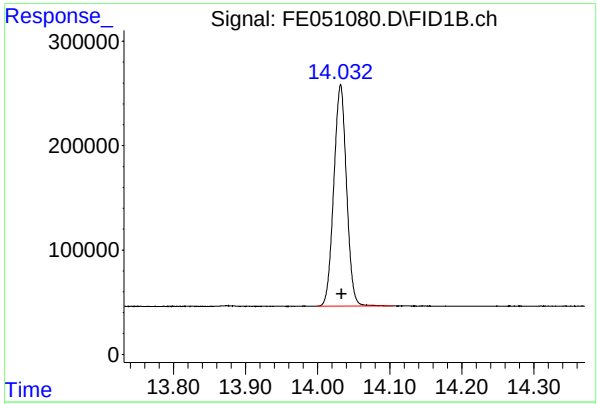
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 2623993
Conc: 19.63 ug/ml



#12 1-chlorooctadecane (SURR)

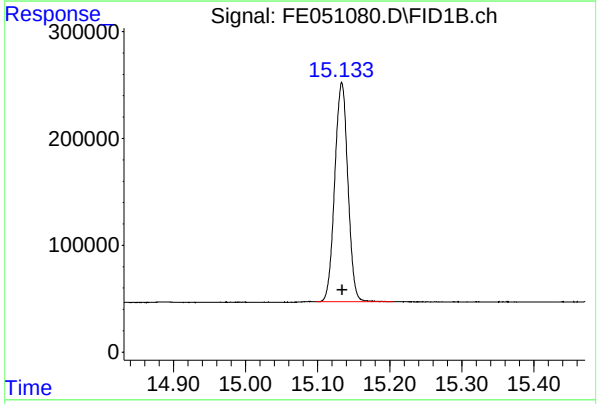
R.T.: 13.282 min
Delta R.T.: -0.001 min
Response: 2226415
Conc: 19.61 ug/ml



#13 n-Docosane (C22)

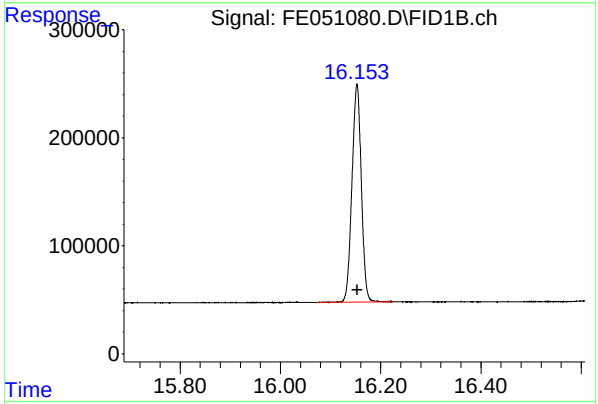
R.T.: 14.032 min
Delta R.T.: -0.002 min
Response: 2608929
Conc: 19.62 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



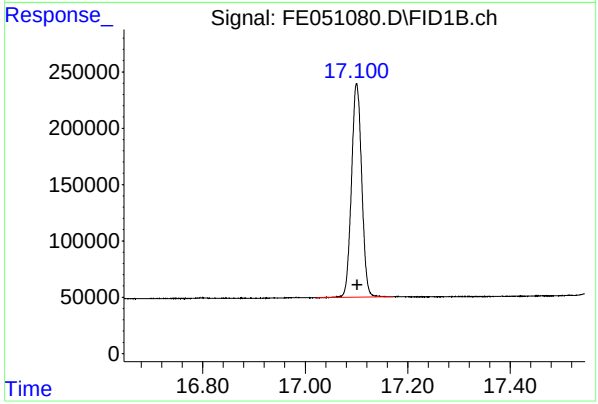
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: 0.000 min
Response: 2597382
Conc: 19.58 ug/ml



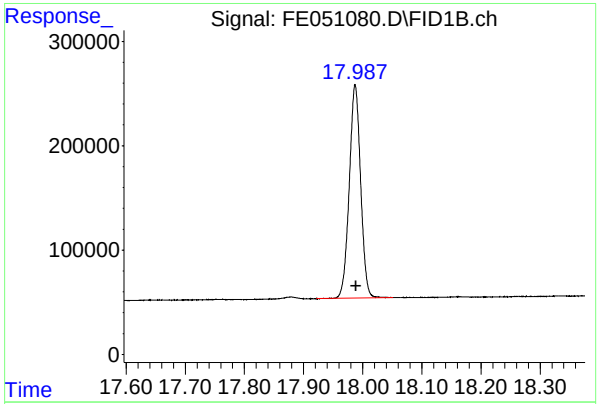
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: 0.000 min
Response: 2611945
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

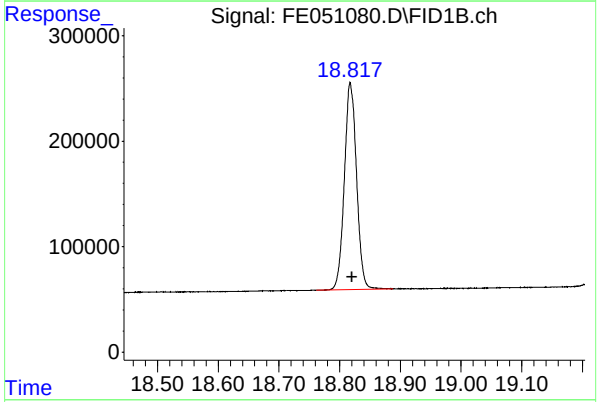
R.T.: 17.101 min
Delta R.T.: -0.001 min
Response: 2629871
Conc: 19.29 ug/ml



#17 n-Tricontane (C30)

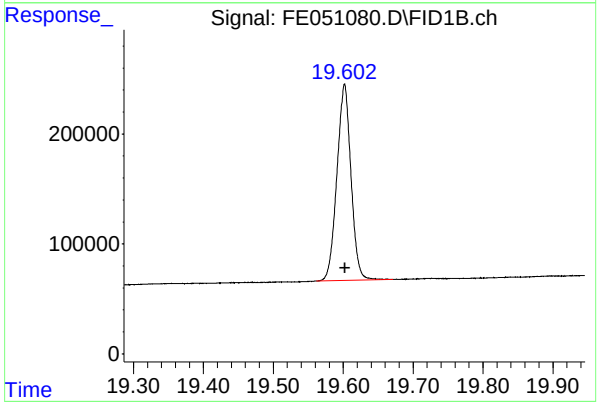
R.T.: 17.987 min
Delta R.T.: -0.002 min
Response: 2729015
Conc: 18.78 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



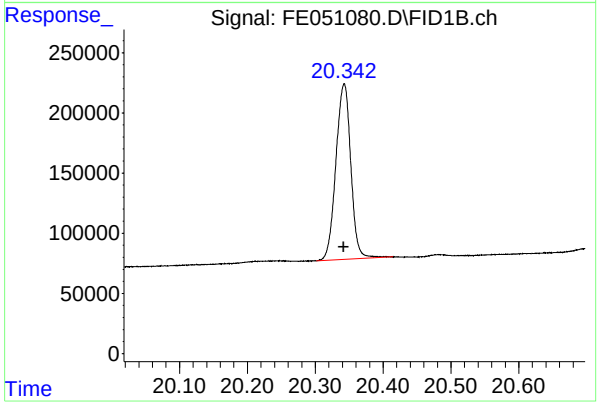
#18 n-Dotriacontane (C32)

R.T.: 18.818 min
Delta R.T.: -0.002 min
Response: 2734748
Conc: 18.42 ug/ml



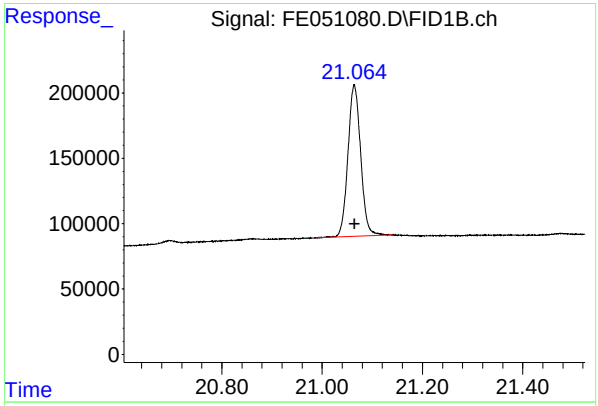
#19 n-Tetratriacontane (C34)

R.T.: 19.602 min
Delta R.T.: 0.000 min
Response: 2494543
Conc: 18.57 ug/ml



#20 n-Hexatriacontane (C36)

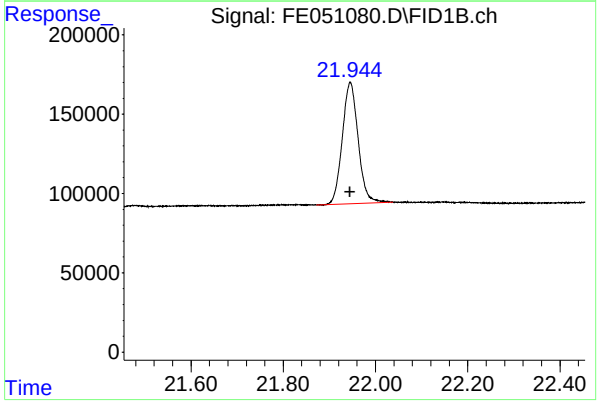
R.T.: 20.342 min
Delta R.T.: 0.000 min
Response: 2221919
Conc: 18.62 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.064 min
Delta R.T.: 0.000 min
Response: 2040381
Conc: 17.93 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.945 min
Delta R.T.: 0.000 min
Response: 1820370
Conc: 16.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110724AL\
Data File : FE051080.D
Signal(s) : FID1B.ch
Acq On : 06 Nov 2024 19:23
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.208	3.305	BB	271236	2722511	92.53%	4.807%
2	4.489	4.451	4.551	BB	272872	2753679	93.59%	4.862%
3	6.202	6.178	6.318	BB	226737	2658198	90.34%	4.693%
4	6.657	6.615	6.718	BB	278018	2773973	94.28%	4.898%
5	7.298	7.268	7.398	BB	195643	2436503	82.81%	4.302%
6	8.483	8.448	8.551	BB	257377	2733431	92.90%	4.826%
7	10.088	10.051	10.158	BB	254117	2786787	94.71%	4.920%
8	11.529	11.485	11.598	BB	247998	2807159	95.41%	4.956%
9	11.850	11.808	11.928	BB	267050	2942288	100.00%	5.195%
10	12.835	12.795	12.908	BB	229102	2686473	91.31%	4.743%
11	13.282	13.215	13.355	BB	188494	2226415	75.67%	3.931%
12	13.447	13.411	13.498	BB	223472	2623993	89.18%	4.633%
13	14.032	13.998	14.105	BB	211282	2608929	88.67%	4.606%
14	15.133	15.098	15.205	BB	205691	2597382	88.28%	4.586%
15	16.153	16.071	16.225	BB	199890	2611945	88.77%	4.611%
16	17.101	17.021	17.171	BB	189007	2629871	89.38%	4.643%
17	17.987	17.921	18.051	BB	204277	2729015	92.75%	4.818%
18	18.818	18.761	18.888	BB	194905	2734748	92.95%	4.828%
19	19.602	19.561	19.671	BB	177807	2494543	84.78%	4.404%
20	20.342	20.301	20.415	BB	145539	2221919	75.52%	3.923%
21	21.064	20.988	21.141	BB	115781	2040381	69.35%	3.602%
22	21.945	21.871	22.038	BB	76545	1820370	61.87%	3.214%
			Sum of corrected areas:			56640511		

Aliphatic EPH 110724.M Thu Nov 07 06:42:42 2024

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

Inital Calibration Report for SequenceID : FF110724AR

AreaCount

Parameter Range	FF014962.D	FF014963.D	FF014964.D	FF014965.D	FF014966.D	
Aromatic C10-C12	28868680.000	14964226.000	6421161.000	3185522.000	1590554.000	
Aromatic C12-C16	42990163.000	22411819.000	9573963.000	4746219.000	2359773.000	
Aromatic C16-C21	52959773.000	27582673.000	11784805.000	5857283.000	2928525.000	
Aromatic C21-C36	114141628.000	59439163.000	25697983.000	12790702.000	6588390.000	
Aromatic EPH	238960244.000	124397881.000	53477912.000	26579726.000	13467242.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	154569.237	4.65				
Aromatic C12-C16	153560.8439998	4.538				
Aromatic C16-C21	142096.237	4.672				
Aromatic C21-C36	138041.0419996	5.954				
Aromatic EPH	143365.2962218	5.217				

Concentration

Parameter Range	FF014962.D	FF014963.D	FF014964.D	FF014965.D	FF014966.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	FF014962.D	FF014963.D	FF014964.D	FF014965.D	FF014966.D	
Aromatic C10-C12	144343.400000	149642.260000	160529.025000	159276.100000	159055.400000	
Aromatic C12-C16	143300.543333	149412.126666	159566.050000	158207.300000	157318.200000	
Aromatic C16-C21	132399.432500	137913.365000	147310.062500	146432.075000	146426.250000	
Aromatic C21-C36	126824.031111	132087.028888	142766.572222	142118.911111	146408.666666	
Aromatic EPH	132755.691111	138219.867777	148549.755555	147665.144444	149636.022222	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014962.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 17:49
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 08 08:44:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 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_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	8.004	12422962	89.821 ug/ml
Spiked Amount	50.000		Recovery =	179.64%
6) S	2-Flurobiphenyl (SURR)	8.881	8355385	90.230 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	180.46%#
11) S	ortho-Terphenyl (SURR)	11.942	13667242	89.500 ug/ml
Spiked Amount	50.000		Recovery =	179.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.619	14196718	89.652 ug/ml
2) T	Naphthalene (C11.7)	6.286	14671962	90.176 ug/ml
3) T	2-Methylnaphthalene (...	7.381	14656666	89.717 ug/ml
5) T	Acenaphthylene (C15.06)	8.682	14182124	89.879 ug/ml
7) T	Acenaphthene (C15.5)	8.983	14151373	89.827 ug/ml
8) T	Flouorene (C16.55)	9.772	13843456	90.021 ug/ml
9) T	Phenanthrene (C19.36)	11.179	13560434	90.188 ug/ml
10) T	Anthracene (C19.43)	11.255	12697609	89.257 ug/ml
12) T	Fluoranthene (C21.85)	13.002	13042482	90.173 ug/ml
13) T	Pyrene (C20.8)	13.302	12858274	90.017 ug/ml
14) T	Benzo[a]anthracene (C...	15.182	12370256	89.854 ug/ml
15) T	Chrysene (C27.41)	15.230	12487877	89.463 ug/ml
16) T	benzo[b]fluoranthene ...	16.745	12785171	90.126 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.784	11850586	89.286 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	17.129	12555477	89.465 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.505	13034406	92.356 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.545	12452315	81.023 ug/mlm
21) T	Benzo[g,h,i]perylene ...	18.769	13563058	88.499 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014962.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 17:49
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

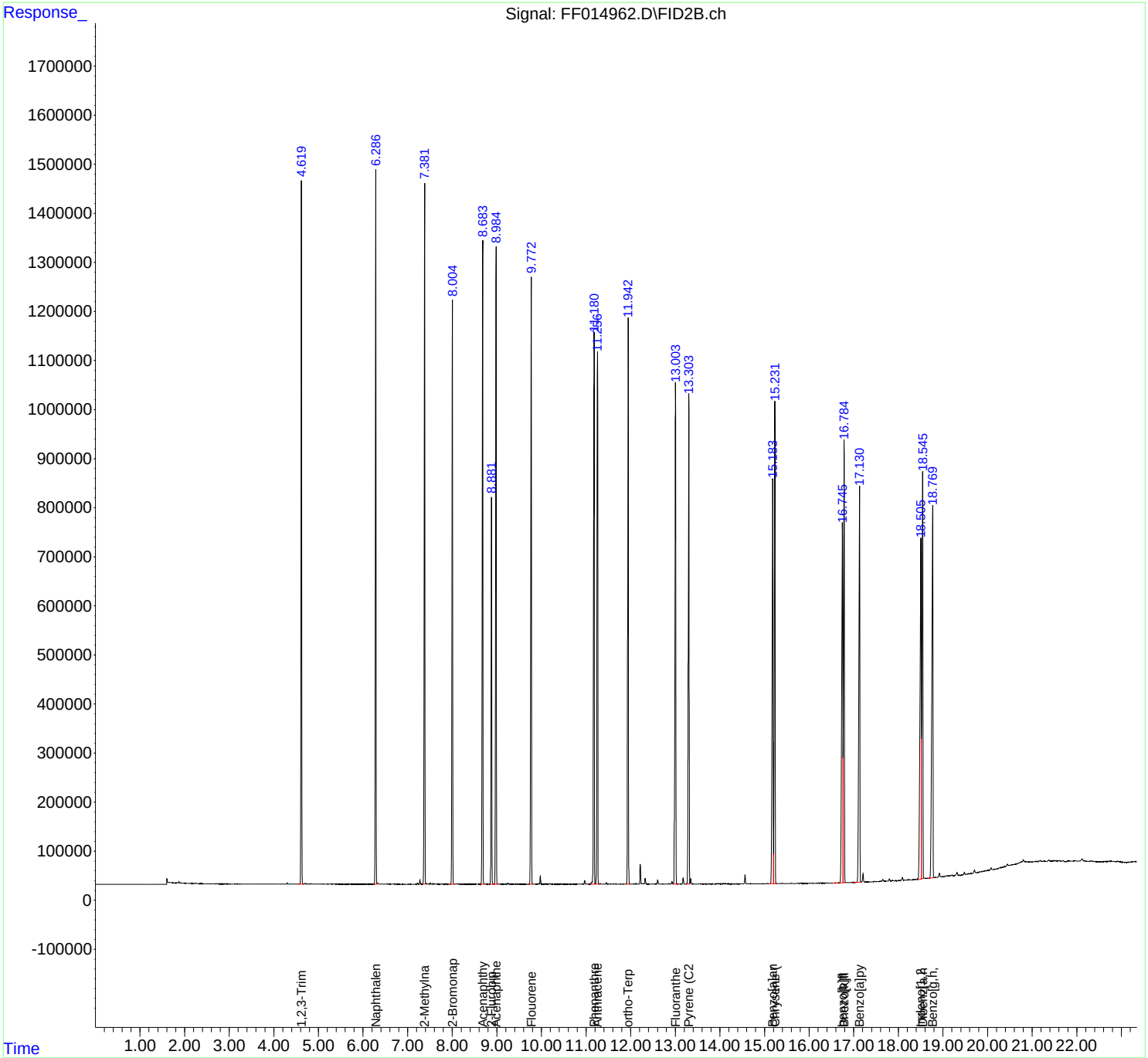
Integration File: autoint1.e
Quant Time: Nov 08 08:44:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

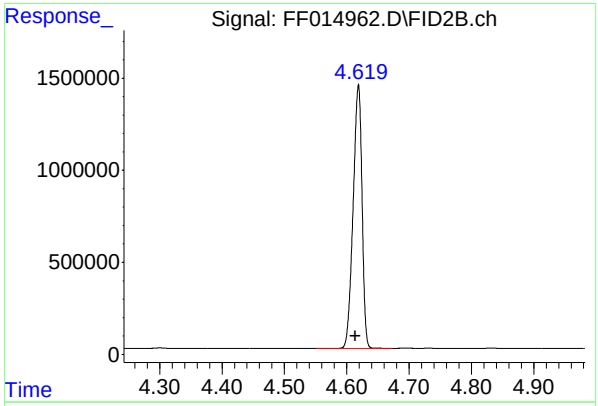
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024





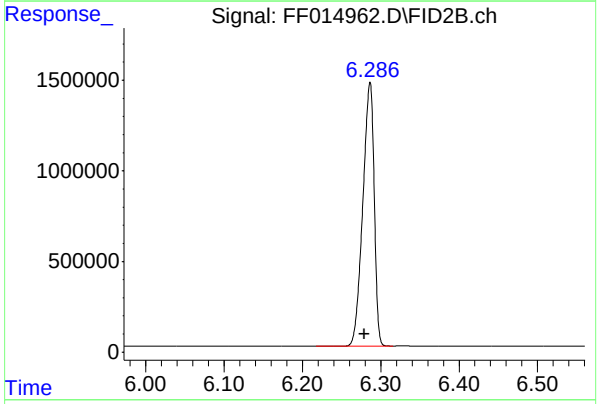
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.619 min
Delta R.T.: 0.005 min
Response: 14196718
Conc: 89.65 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

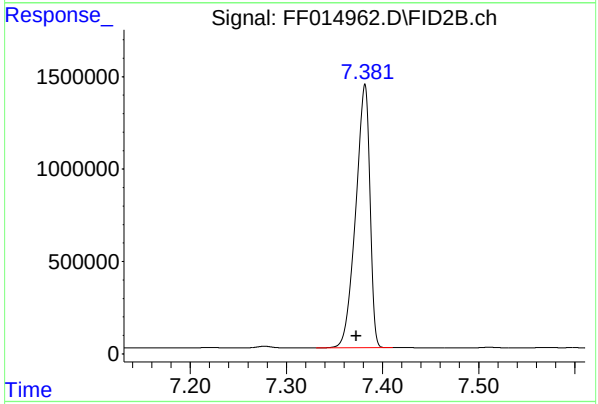
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



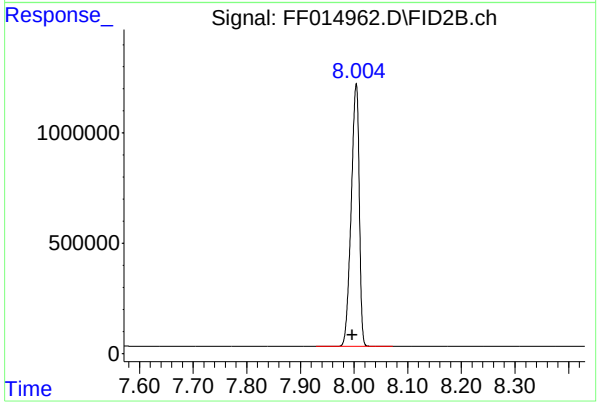
#2 Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: 0.007 min
Response: 14671962
Conc: 90.18 ug/ml



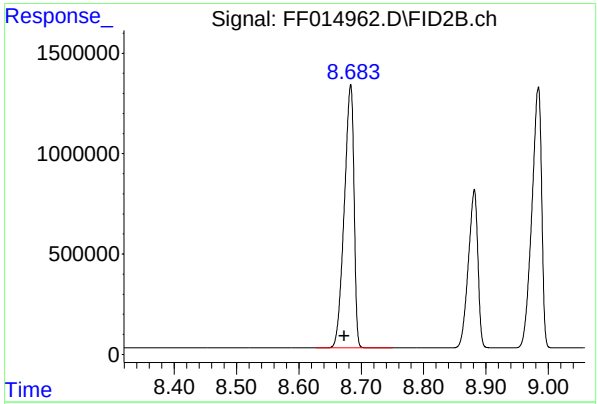
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: 0.008 min
Response: 14656666
Conc: 89.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.004 min
Delta R.T.: 0.007 min
Response: 12422962
Conc: 89.82 ug/ml



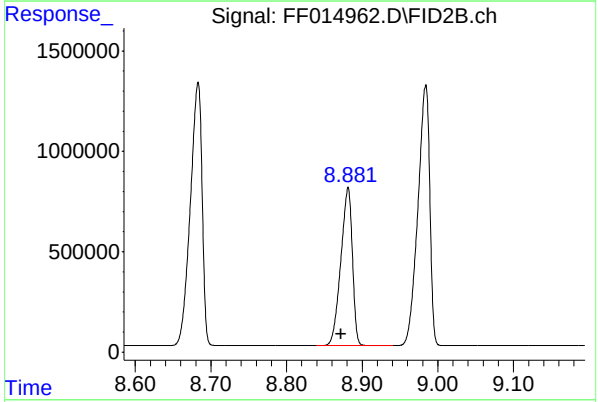
#5 Acenaphthylene (C15.06)

R.T.: 8.682 min
Delta R.T.: 0.010 min
Response: 14182124
Conc: 89.88 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

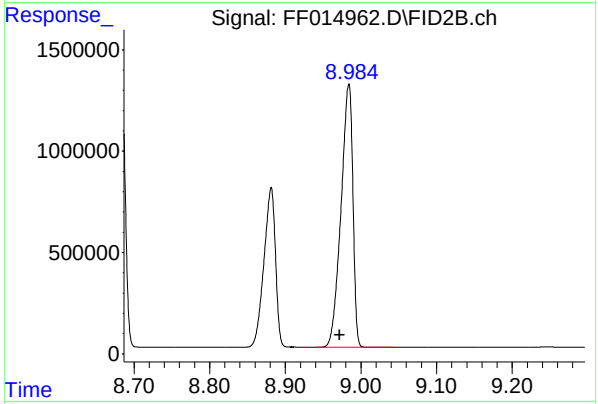
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



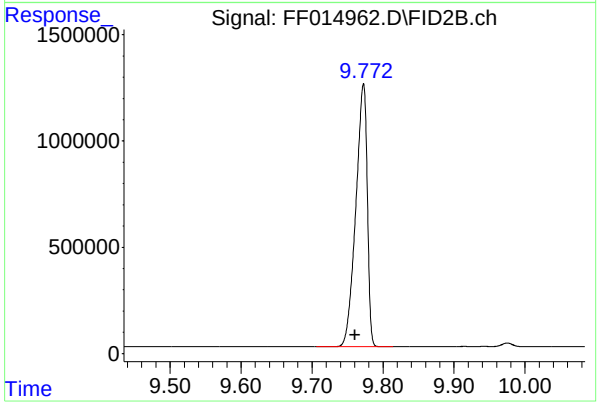
#6 2-Flurobiphenyl (SURR)

R.T.: 8.881 min
Delta R.T.: 0.009 min
Response: 8355385
Conc: 90.23 ug/ml



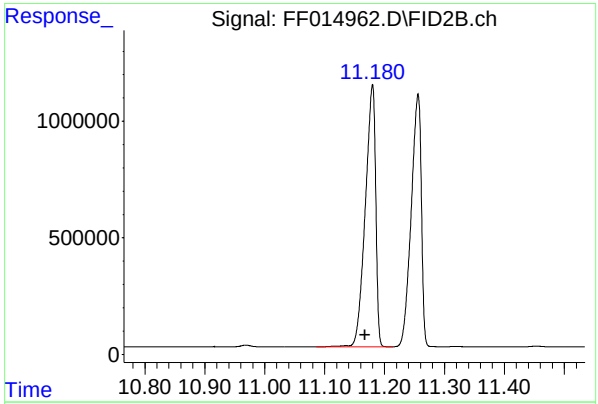
#7 Acenaphthene (C15.5)

R.T.: 8.983 min
Delta R.T.: 0.011 min
Response: 14151373
Conc: 89.83 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.772 min
Delta R.T.: 0.011 min
Response: 13843456
Conc: 90.02 ug/ml



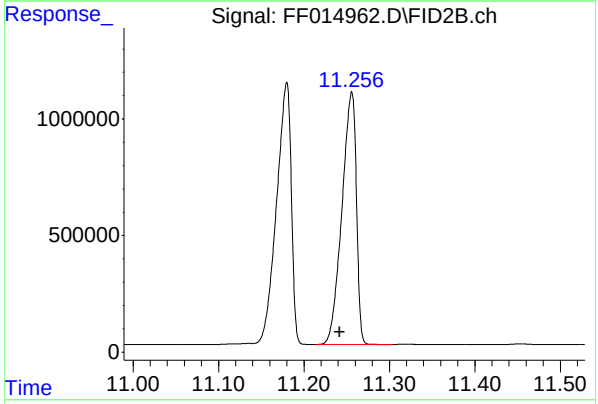
#9 Phenanthrene (C19.36)

R.T.: 11.179 min
Delta R.T.: 0.012 min
Response: 13560434
Conc: 90.19 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

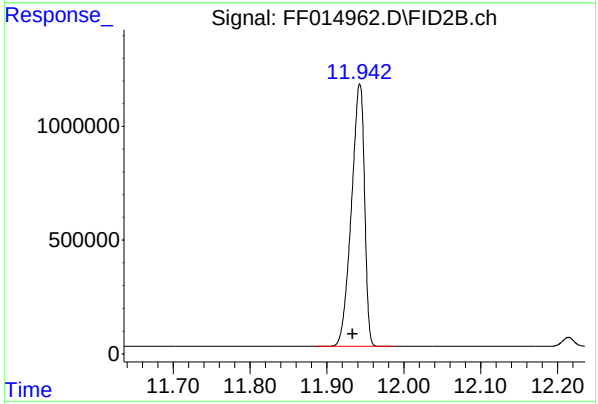
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



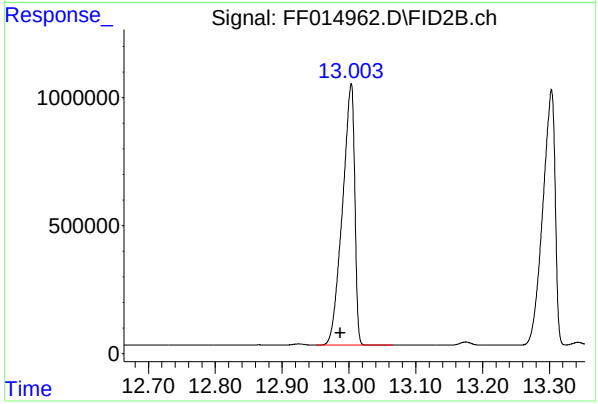
#10 Anthracene (C19.43)

R.T.: 11.255 min
Delta R.T.: 0.013 min
Response: 12697609
Conc: 89.26 ug/ml



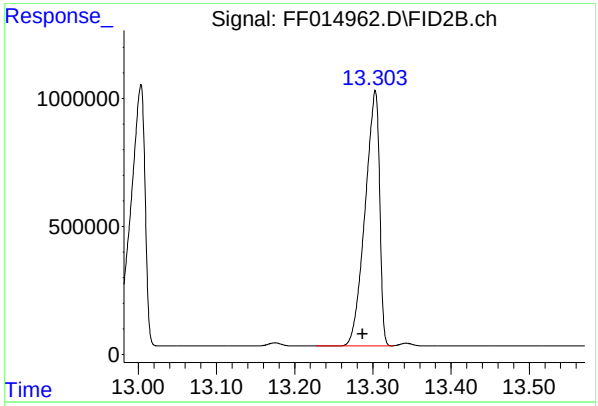
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.009 min
Response: 13667242
Conc: 89.50 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.002 min
Delta R.T.: 0.015 min
Response: 13042482
Conc: 90.17 ug/ml



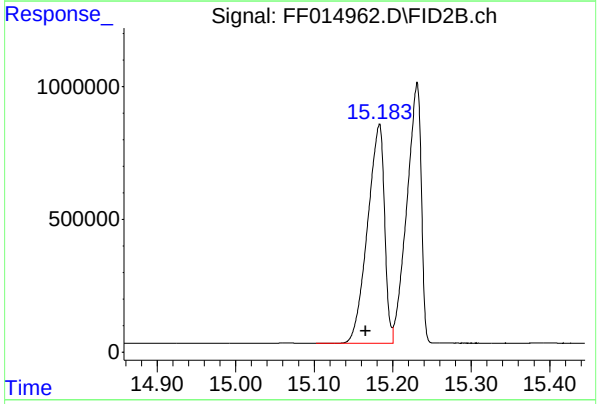
#13 Pyrene (C20.8)

R.T.: 13.302 min
Delta R.T.: 0.016 min
Response: 12858274
Conc: 90.02 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

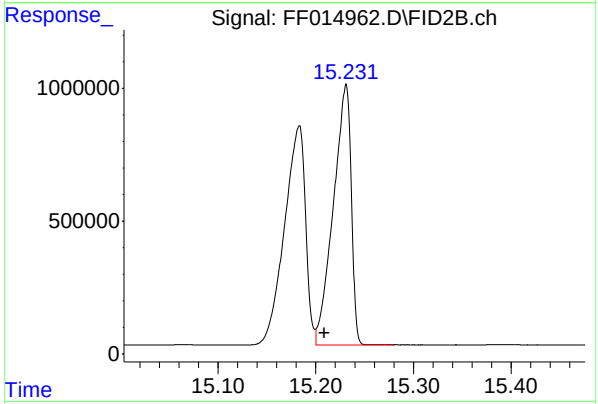
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



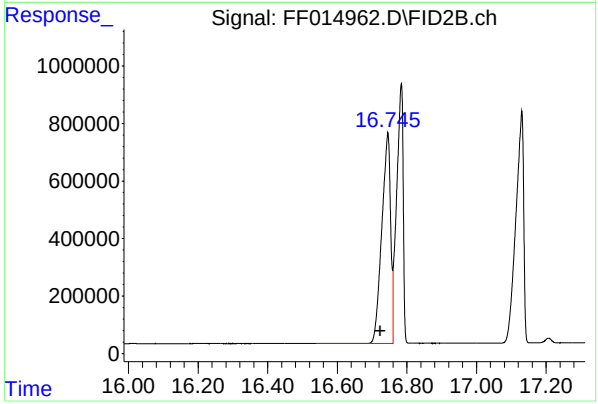
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.182 min
Delta R.T.: 0.017 min
Response: 12370256
Conc: 89.85 ug/ml



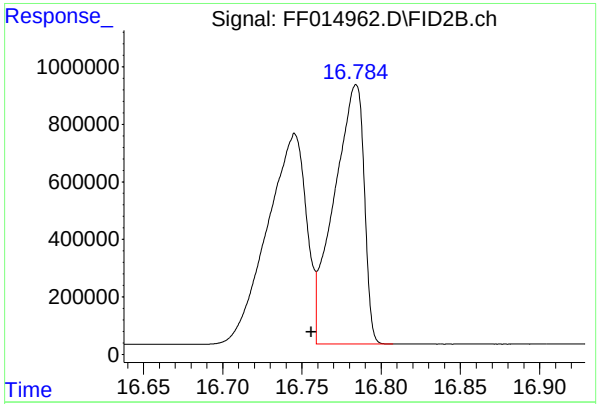
#15 Chrysene (C27.41)

R.T.: 15.230 min
Delta R.T.: 0.021 min
Response: 12487877
Conc: 89.46 ug/ml



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

R.T.: 16.745 min
Delta R.T.: 0.021 min
Response: 12785171
Conc: 90.13 ug/ml



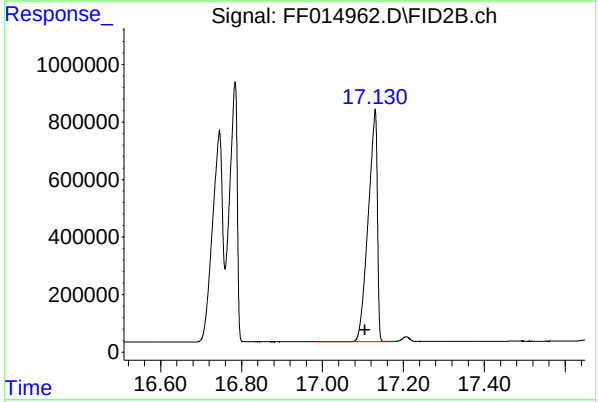
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.784 min
Delta R.T.: 0.028 mi
Response: 11850586
Conc: 89.29 ug/m

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

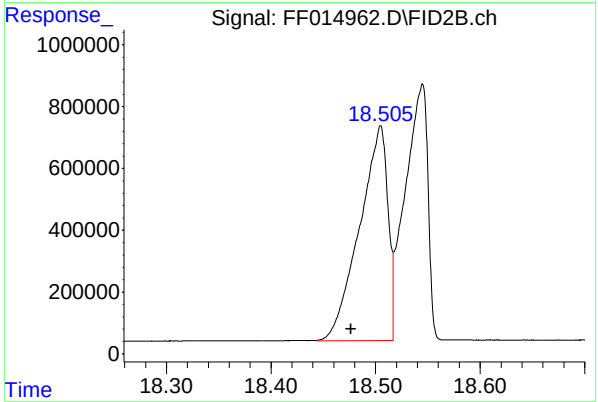
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



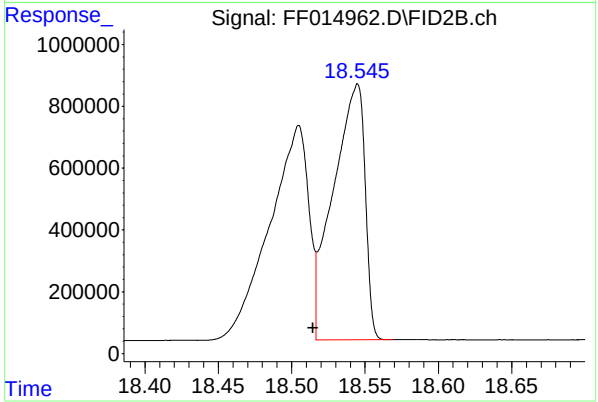
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.129 min
Delta R.T.: 0.024 min
Response: 12555477
Conc: 89.47 ug/ml



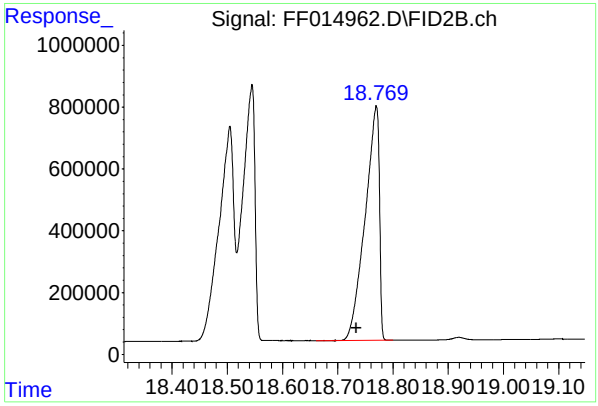
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.505 min
Delta R.T.: 0.029 min
Response: 13034406
Conc: 92.36 ug/ml m



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

R.T.: 18.545 min
Delta R.T.: 0.030 min
Response: 12452315
Conc: 81.02 ug/ml m



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

R.T.: 18.769 min
Delta R.T.: 0.035 mi
Response: 13563058
Conc: 88.50 ug/m

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

rteres

Instrument :
FID_F
LabSampleId :
100 PPM AROMATIC HC STD1

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11072
Data File : FF014962.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 17:49
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.619	4.551	4.674	BV	1439542	14196718	96.76%	5.194%
2	6.286	6.217	6.316	BV	1455243	14671962	100.00%	5.368%
3	7.381	7.331	7.411	BV	1417689	14656666	99.90%	5.362%
4	8.004	7.929	8.072	BV	1193565	12422962	84.67%	4.545%
5	8.682	8.627	8.751	BB	1308832	14182124	96.66%	5.189%
6	8.881	8.839	8.941	BV	785823	8355385	56.95%	3.057%
7	8.983	8.941	9.042	VB	1301146	14151373	96.45%	5.177%
8	9.772	9.706	9.814	BB	1240764	13843456	94.35%	5.065%
9	11.179	11.086	11.214	BV	1120248	13560434	92.42%	4.961%
10	11.255	11.214	11.304	VV	1086803	12697609	86.54%	4.645%
11	11.942	11.886	11.986	BB	1155946	13667242	93.15%	5.000%
12	13.002	12.951	13.066	VB	1013870	13042482	88.89%	4.772%
13	13.302	13.227	13.326	BV	998661	12858274	87.64%	4.704%
14	15.182	15.102	15.200	BV	822219	12370256	84.31%	4.526%
15	15.230	15.200	15.279	VB	982369	12487877	85.11%	4.569%
16	16.745	16.539	16.760	BV	726302	12785171	87.14%	4.677%
17	16.783	16.760	16.841	VB	896883	11773296	80.24%	4.307%
18	17.129	16.984	17.174	BV	797898	12555477	85.57%	4.593%
19	18.504	18.294	18.517	BV	694232	13089914	89.22%	4.789%
20	18.544	18.517	18.601	VB	824051	12402005	84.53%	4.537%
21	18.769	18.661	18.800	BBA	757758	13563058	92.44%	4.962%

Sum of corrected areas: 273333740

Aromatic EPH 110724.M Fri Nov 08 08:57:24 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014963.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:18
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 08 08:44:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 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...	7.999	6462526	46.725 ug/ml
Spiked Amount	50.000		Recovery =	93.45%
6)	S 2-Flurobiphenyl (SURR)	8.876	4344904	46.921 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	93.84%
11)	S ortho-Terphenyl (SURR)	11.937	7136048	46.730 ug/ml
Spiked Amount	50.000		Recovery =	93.46%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.616	7358676	46.470 ug/ml
2)	T Naphthalene (C11.7)	6.281	7605550	46.745 ug/ml
3)	T 2-Methylnaphthalene (...	7.376	7638820	46.759 ug/ml
5)	T Acenaphthylene (C15.06)	8.677	7397048	46.878 ug/ml
7)	T Acenaphthene (C15.5)	8.977	7375951	46.819 ug/ml
8)	T Flouorene (C16.55)	9.765	7212712	46.903 ug/ml
9)	T Phenanthrene (C19.36)	11.172	7053373	46.911 ug/ml
10)	T Anthracene (C19.43)	11.247	6643208	46.698 ug/ml
12)	T Fluoranthene (C21.85)	12.994	6772296	46.822 ug/ml
13)	T Pyrene (C20.8)	13.294	6673380	46.718 ug/ml
14)	T Benzo[a]anthracene (C...	15.173	6409798	46.559 ug/ml
15)	T Chrysene (C27.41)	15.218	6479862	46.422 ug/ml
16)	T benzo[b]fluoranthene ...	16.733	6584875	46.418 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.768	6154193	46.368 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.116	6528554	46.520 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.488	6715052	47.580 ug/ml
20)	T Dibenz[a,h]anthracene...	18.527	6708461	43.650 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.750	7086072	46.236 ug/ml

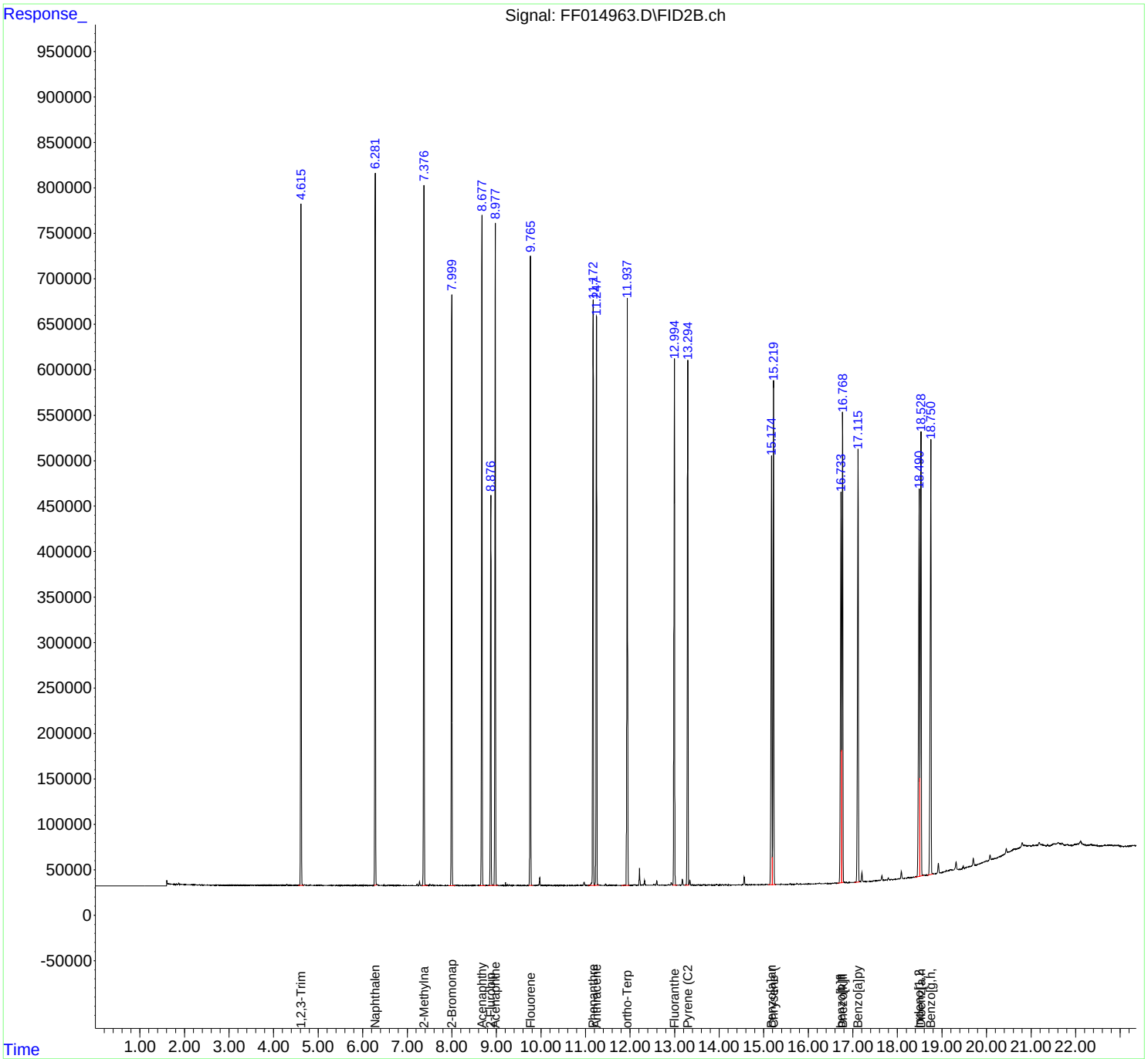
(f)=RT Delta > 1/2 Window (m)=manual int.

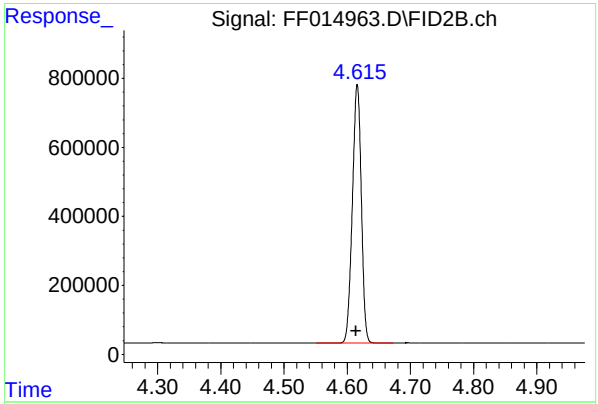
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014963.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:18
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 08 08:44:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

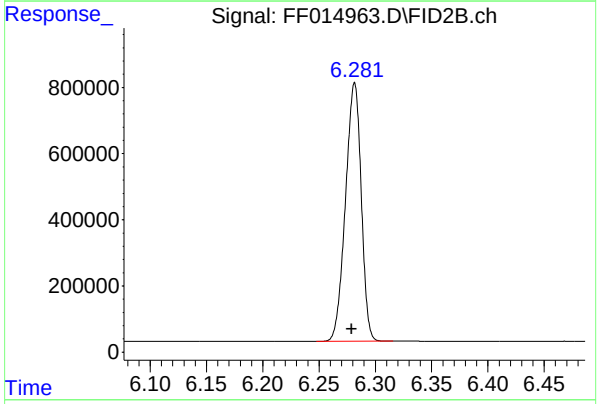




#1 1,2,3-Trimethylbenzene (C10.1)

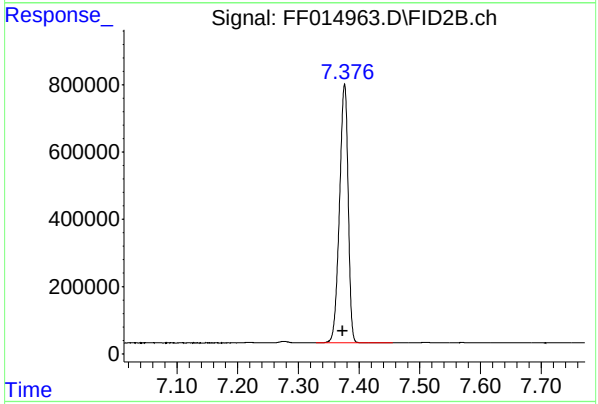
R.T.: 4.616 min
Delta R.T.: 0.002 min
Response: 7358676
Conc: 46.47 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



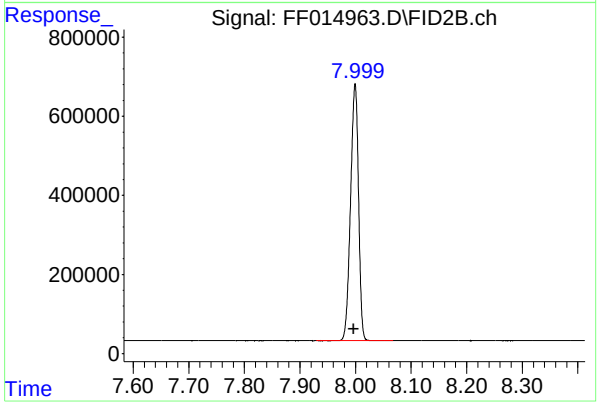
#2 Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: 0.002 min
Response: 7605550
Conc: 46.74 ug/ml



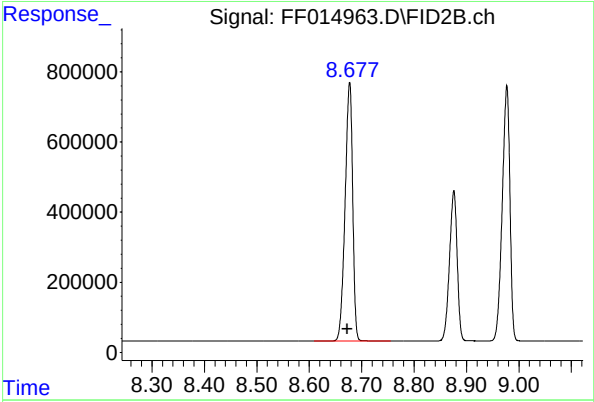
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: 0.003 min
Response: 7638820
Conc: 46.76 ug/ml



#4 2-Bromonaphthalene (SURR)

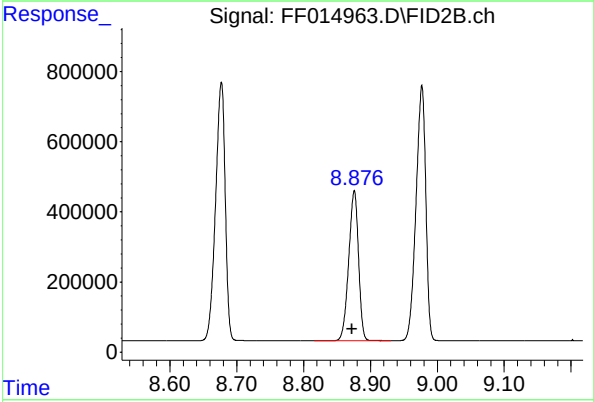
R.T.: 7.999 min
Delta R.T.: 0.002 min
Response: 6462526
Conc: 46.73 ug/ml



#5 Acenaphthylene (C15.06)

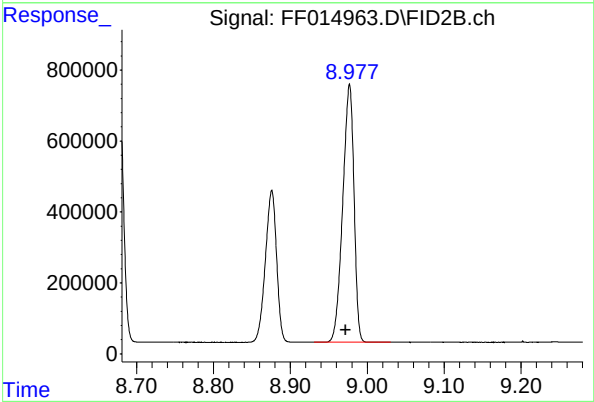
R.T.: 8.677 min
Delta R.T.: 0.004 min
Response: 7397048
Conc: 46.88 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



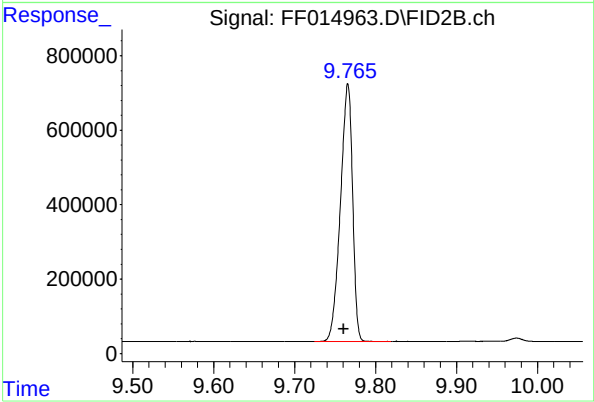
#6 2-Flurobiphenyl (SURR)

R.T.: 8.876 min
Delta R.T.: 0.004 min
Response: 4344904
Conc: 46.92 ug/ml



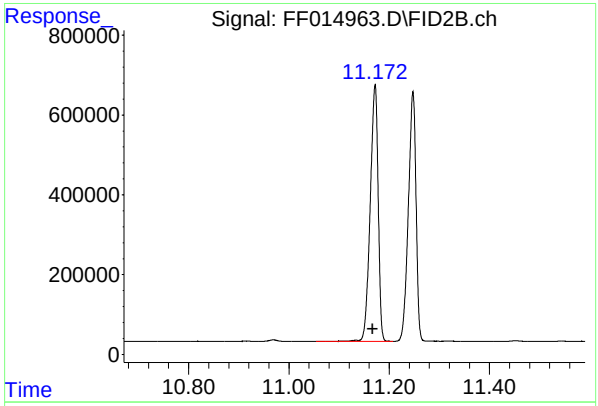
#7 Acenaphthene (C15.5)

R.T.: 8.977 min
Delta R.T.: 0.005 min
Response: 7375951
Conc: 46.82 ug/ml



#8 Flouorene (C16.55)

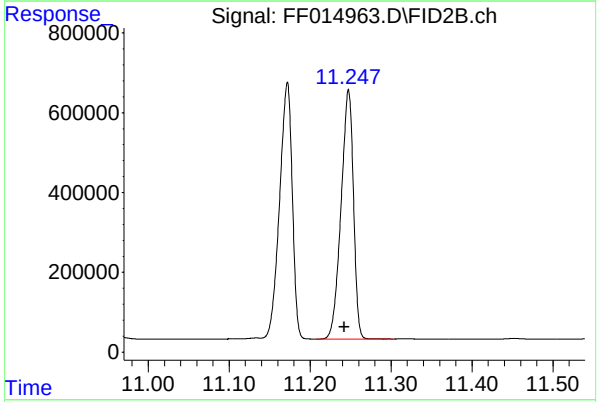
R.T.: 9.765 min
Delta R.T.: 0.005 min
Response: 7212712
Conc: 46.90 ug/ml



#9 Phenanthrene (C19.36)

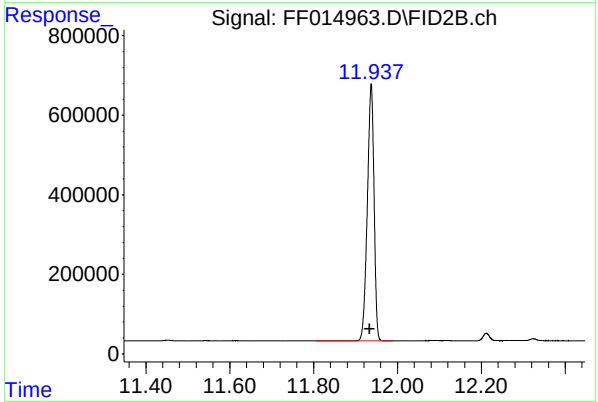
R.T.: 11.172 min
Delta R.T.: 0.004 min
Response: 7053373
Conc: 46.91 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



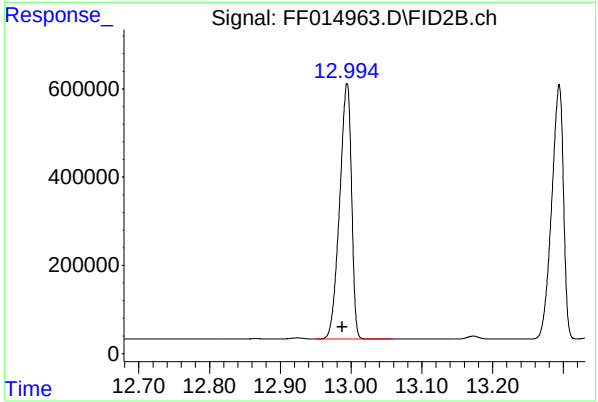
#10 Anthracene (C19.43)

R.T.: 11.247 min
Delta R.T.: 0.005 min
Response: 6643208
Conc: 46.70 ug/ml



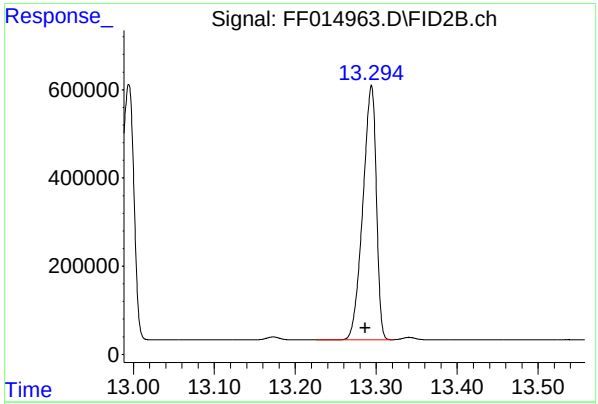
#11 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: 0.004 min
Response: 7136048
Conc: 46.73 ug/ml



#12 Fluoranthene (C21.85)

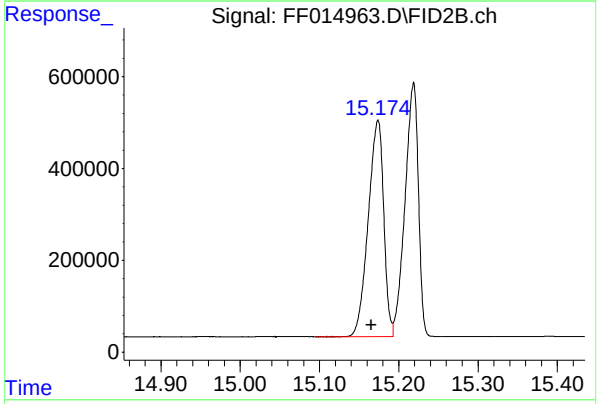
R.T.: 12.994 min
Delta R.T.: 0.007 min
Response: 6772296
Conc: 46.82 ug/ml



#13 Pyrene (C20.8)

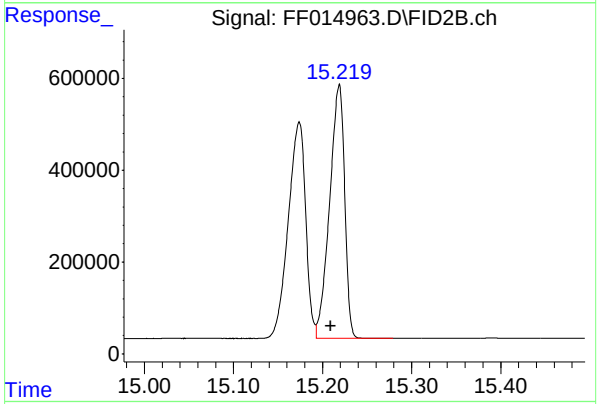
R.T.: 13.294 min
Delta R.T.: 0.007 mi
Response: 6673380
Conc: 46.72 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



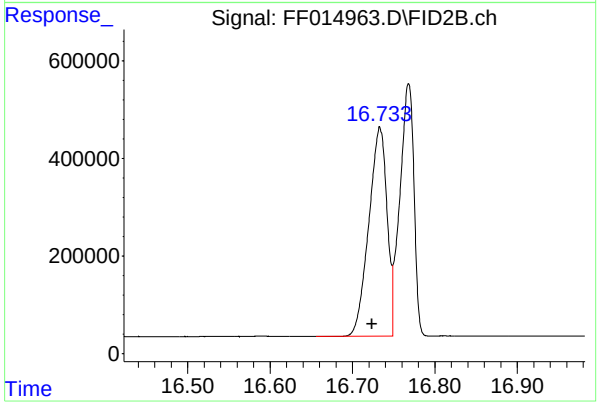
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.173 min
Delta R.T.: 0.008 min
Response: 6409798
Conc: 46.56 ug/ml



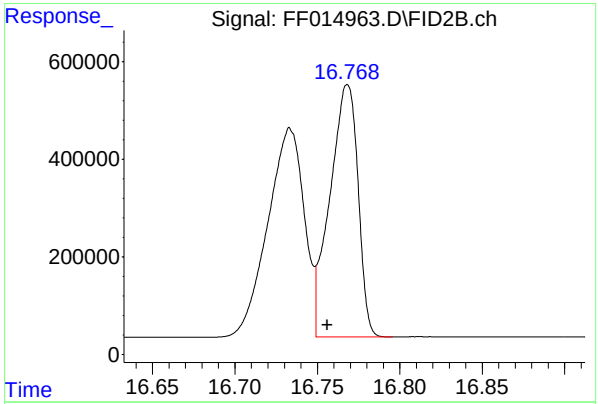
#15 Chrysene (C27.41)

R.T.: 15.218 min
Delta R.T.: 0.009 min
Response: 6479862
Conc: 46.42 ug/ml



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

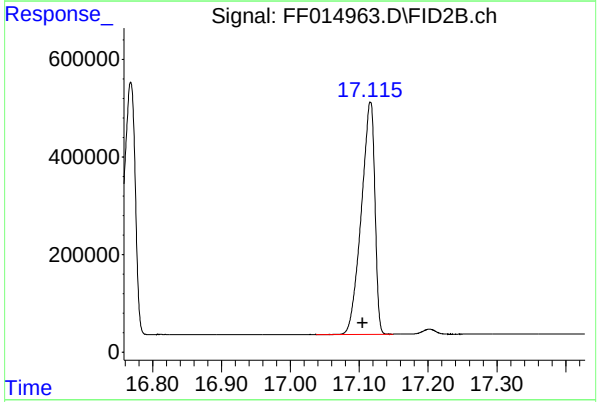
R.T.: 16.733 min
Delta R.T.: 0.009 min
Response: 6584875
Conc: 46.42 ug/ml



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

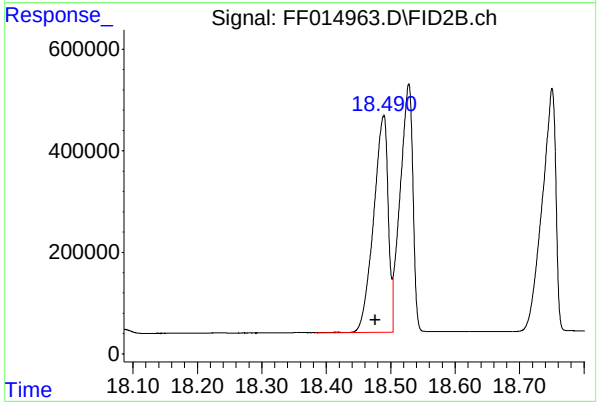
R.T.: 16.768 min
Delta R.T.: 0.012 min
Response: 6154193
Conc: 46.37 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



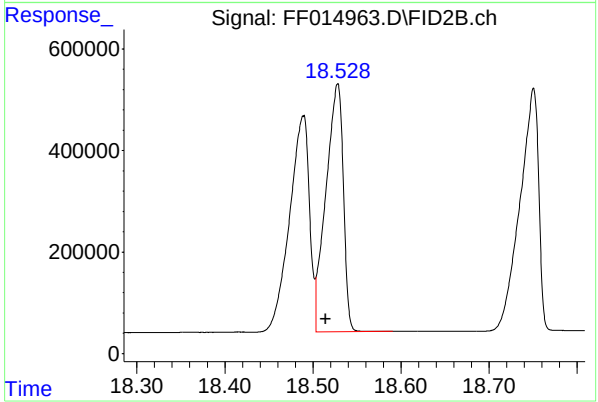
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min
Delta R.T.: 0.011 min
Response: 6528554
Conc: 46.52 ug/ml



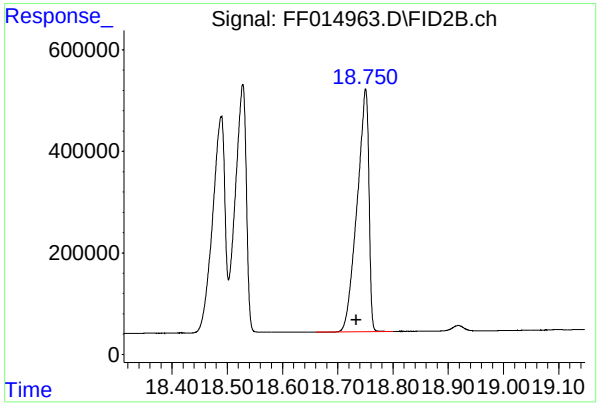
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min
Delta R.T.: 0.012 min
Response: 6715052
Conc: 47.58 ug/ml



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

R.T.: 18.527 min
Delta R.T.: 0.013 min
Response: 6708461
Conc: 43.65 ug/ml



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

R.T.: 18.750 min
Delta R.T.: 0.016 mi
Response: 7086072
Conc: 46.24 ug/m

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014963.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:18
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.616	4.551	4.672	BV	750224	7358676	96.33%	5.170%
2	6.281	6.247	6.316	BV	780435	7605550	99.56%	5.343%
3	7.376	7.329	7.456	BB	768616	7638820	100.00%	5.367%
4	7.999	7.929	8.067	BB	650096	6462526	84.60%	4.540%
5	8.677	8.609	8.756	BB	741944	7397048	96.83%	5.197%
6	8.876	8.816	8.931	BV	429100	4344904	56.88%	3.052%
7	8.977	8.931	9.031	VB	732364	7375951	96.56%	5.182%
8	9.765	9.724	9.819	BB	695064	7212712	94.42%	5.067%
9	11.172	11.054	11.207	BV	639031	7053373	92.34%	4.955%
10	11.247	11.207	11.302	VV	626844	6643208	86.97%	4.667%
11	11.937	11.806	11.989	BB	646989	7136048	93.42%	5.013%
12	12.994	12.950	13.059	VB	581165	6772296	88.66%	4.758%
13	13.294	13.226	13.321	BV	579556	6673380	87.36%	4.688%
14	15.173	15.096	15.193	BV	473127	6409798	83.91%	4.503%
15	15.218	15.193	15.279	VB	548122	6479862	84.83%	4.552%
16	16.733	16.656	16.749	BV	428622	6584875	86.20%	4.626%
17	16.768	16.749	16.796	VV	518289	6154193	80.56%	4.324%
18	17.116	17.037	17.149	BV	477536	6528554	85.47%	4.587%
19	18.488	18.384	18.503	BV	425871	6715052	87.91%	4.718%
20	18.527	18.503	18.591	VB	488882	6708461	87.82%	4.713%
21	18.750	18.661	18.800	BBA	476604	7086072	92.76%	4.978%

Sum of corrected areas: 142341358

Aromatic EPH 110724.M Fri Nov 08 08:57:54 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014964.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:46
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 08 08:45:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 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...	7.997	2766167	20.000	ug/ml
Spiked Amount	50.000		Recovery =	40.00%	
6)	S 2-Flurobiphenyl (SURR)	8.872	1852016	20.000	ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%	
11)	S ortho-Terphenyl (SURR)	11.933	3054141	20.000	ug/ml
Spiked Amount	50.000		Recovery =	40.00%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.614	3167074	20.000	ug/ml
2)	T Naphthalene (C11.7)	6.279	3254087	20.000	ug/ml
3)	T 2-Methylnaphthalene (...	7.373	3267320	20.000	ug/ml
5)	T Acenaphthylene (C15.06)	8.673	3155839	20.000	ug/ml
7)	T Acenaphthene (C15.5)	8.972	3150804	20.000	ug/ml
8)	T Flouorene (C16.55)	9.761	3075611	20.000	ug/ml
9)	T Phenanthrene (C19.36)	11.167	3007153	20.000	ug/ml
10)	T Anthracene (C19.43)	11.242	2845179	20.000	ug/ml
12)	T Fluoranthene (C21.85)	12.987	2892760	20.000	ug/ml
13)	T Pyrene (C20.8)	13.287	2856862	20.000	ug/ml
14)	T Benzo[a]anthracene (C...	15.165	2753408	20.000	ug/ml
15)	T Chrysene (C27.41)	15.209	2791744	20.000	ug/ml
16)	T benzo[b]fluoranthene ...	16.724	2837191	20.000	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.756	2654525	20.000	ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.105	2806782	20.000	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.476	2822651	20.000	ug/ml
20)	T Dibenz[a,h]anthracene...	18.514	3073773	20.000	ug/ml
21)	T Benzo[g,h,i]perylene ...	18.734	3065149	20.000	ug/ml

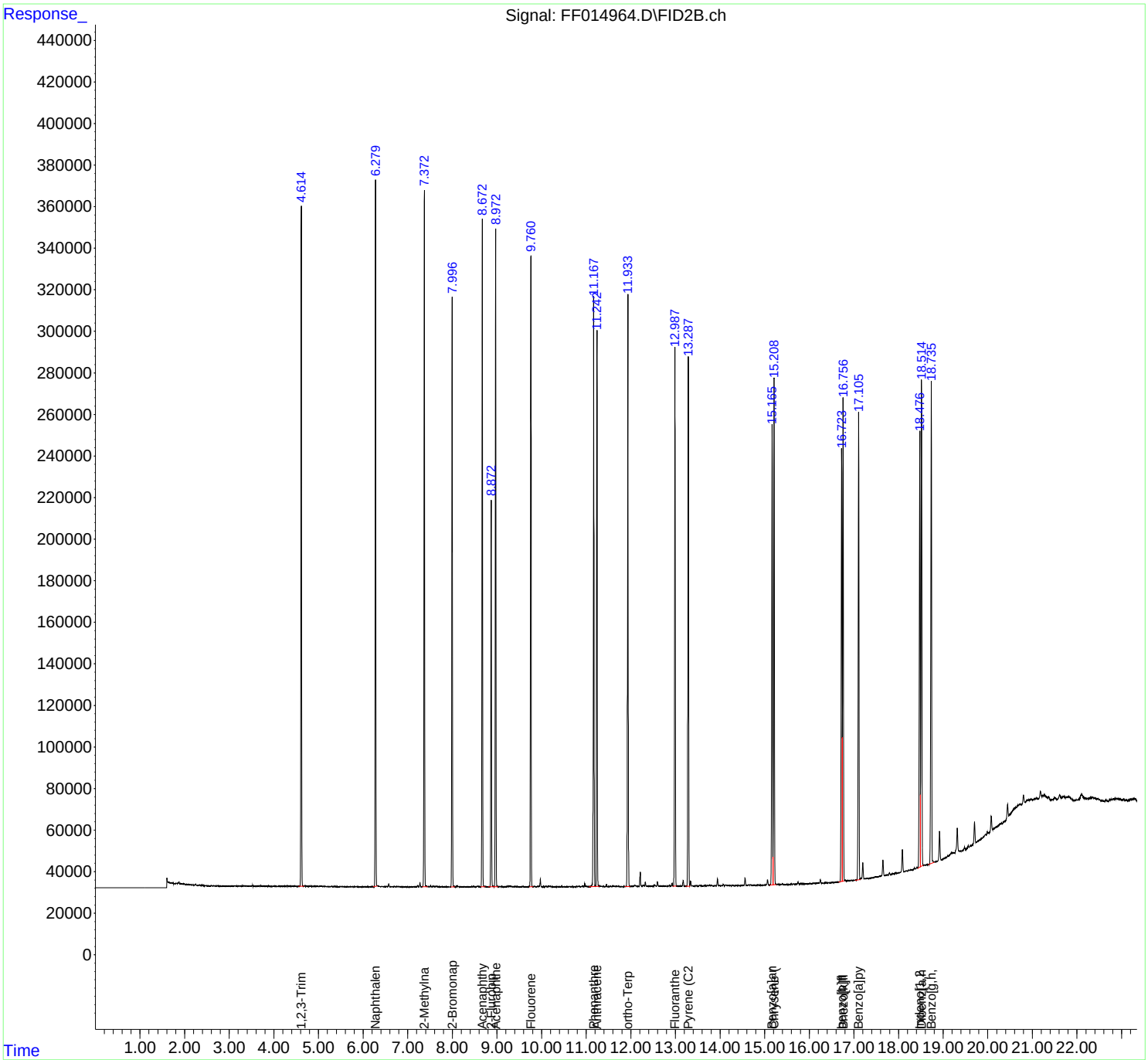
(f)=RT Delta > 1/2 Window (m)=manual int.

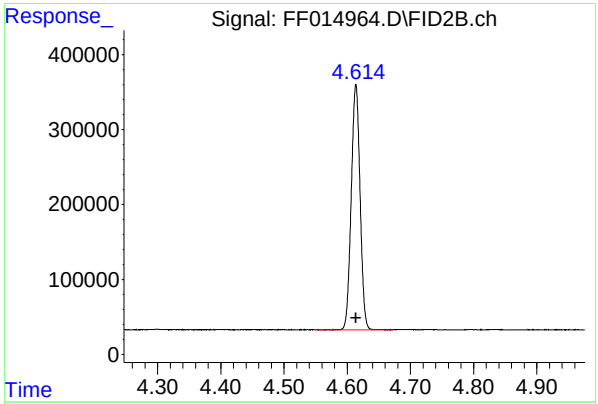
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014964.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:46
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 08 08:45:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

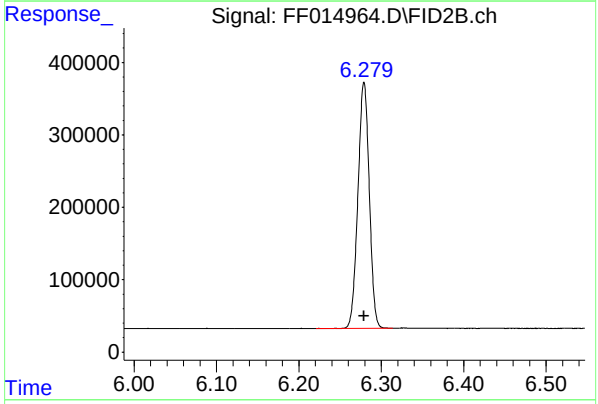




#1 1,2,3-Trimethylbenzene (C10.1)

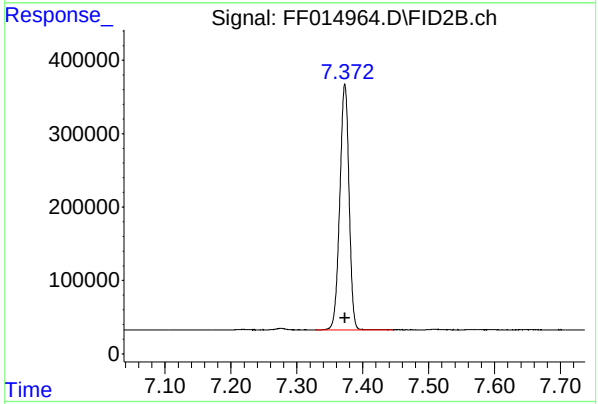
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 3167074
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



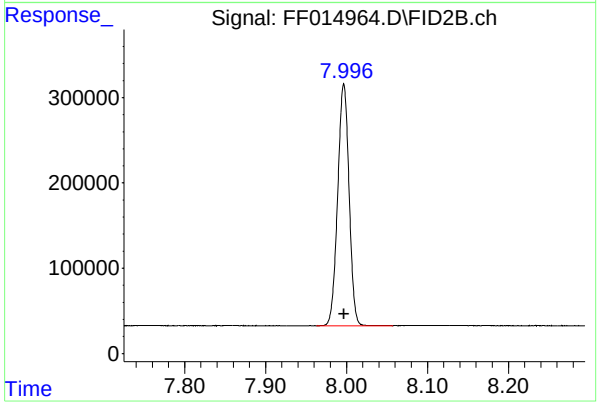
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 3254087
Conc: 20.00 ug/ml



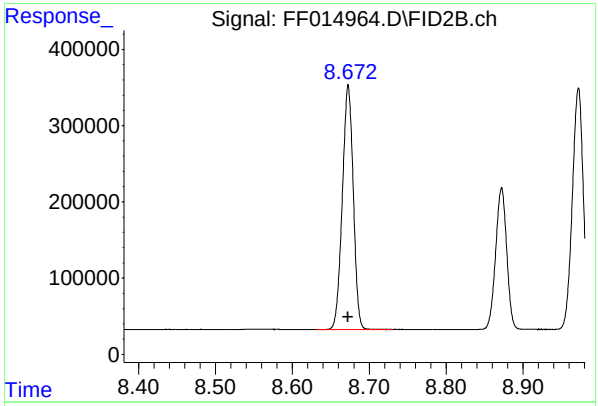
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 3267320
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

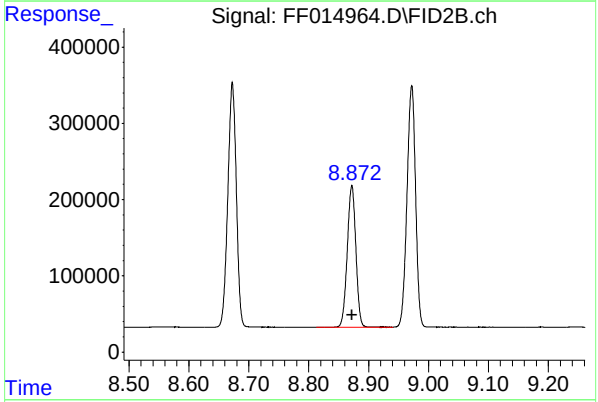
R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 2766167
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

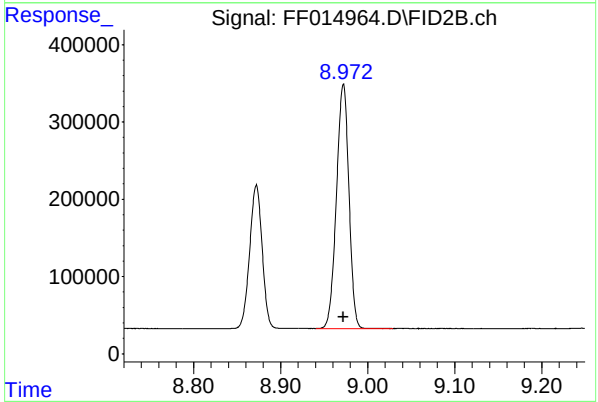
R.T.: 8.673 min
Delta R.T.: 0.000 min
Response: 3155839
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



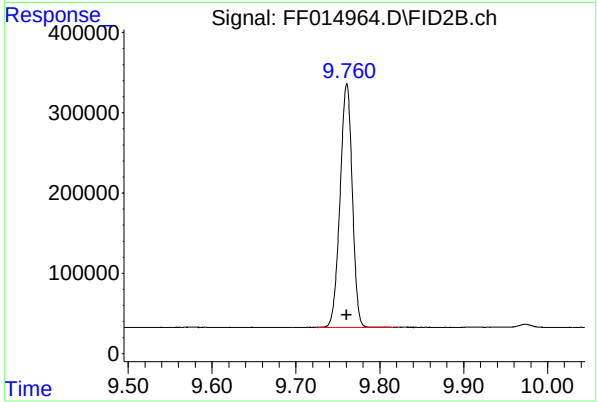
#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1852016
Conc: 20.00 ug/ml



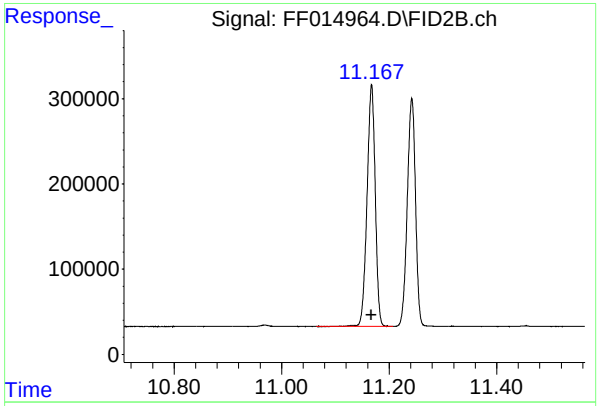
#7 Acenaphthene (C15.5)

R.T.: 8.972 min
Delta R.T.: 0.000 min
Response: 3150804
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

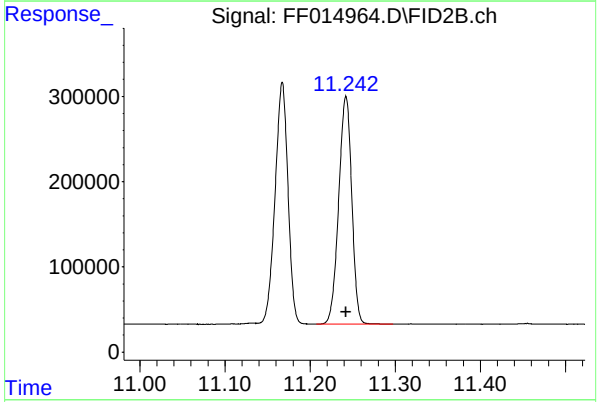
R.T.: 9.761 min
Delta R.T.: 0.000 min
Response: 3075611
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

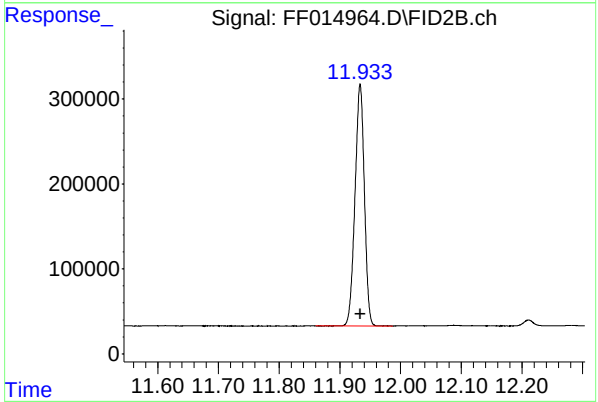
R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 3007153
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



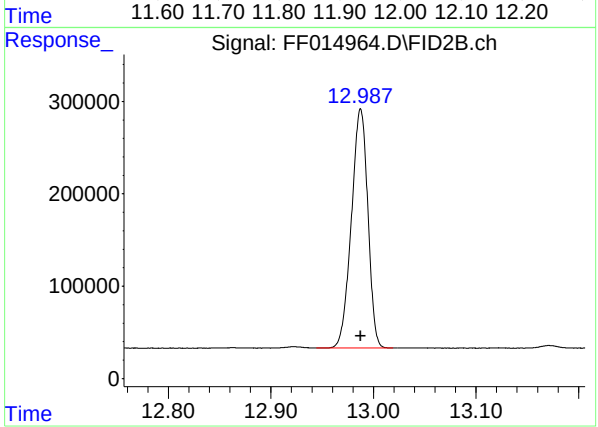
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 2845179
Conc: 20.00 ug/ml



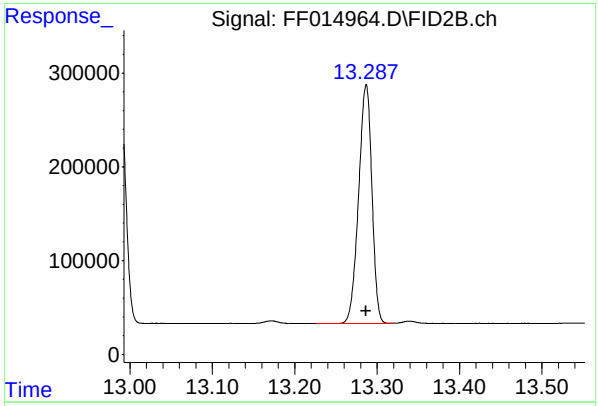
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 3054141
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

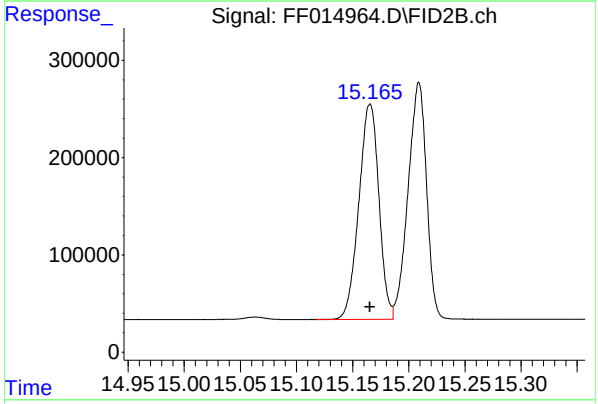
R.T.: 12.987 min
Delta R.T.: 0.000 min
Response: 2892760
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

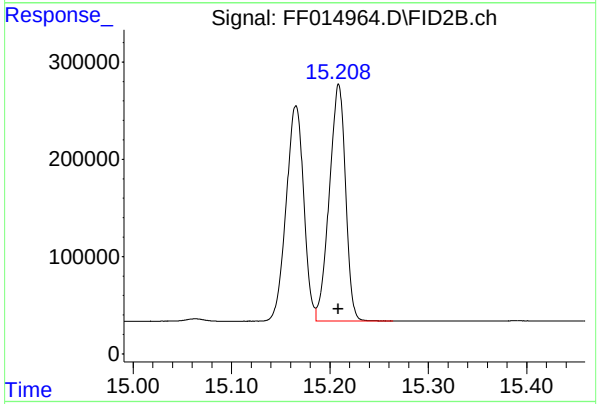
R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 2856862
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



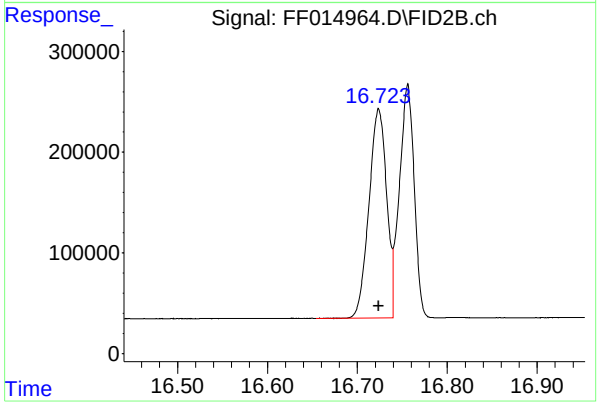
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.165 min
Delta R.T.: 0.000 min
Response: 2753408
Conc: 20.00 ug/ml



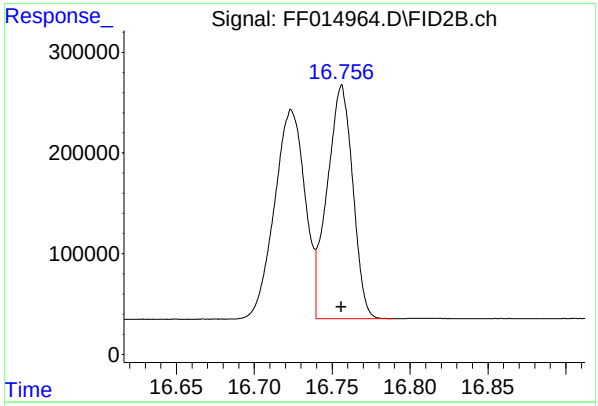
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.000 min
Response: 2791744
Conc: 20.00 ug/ml



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

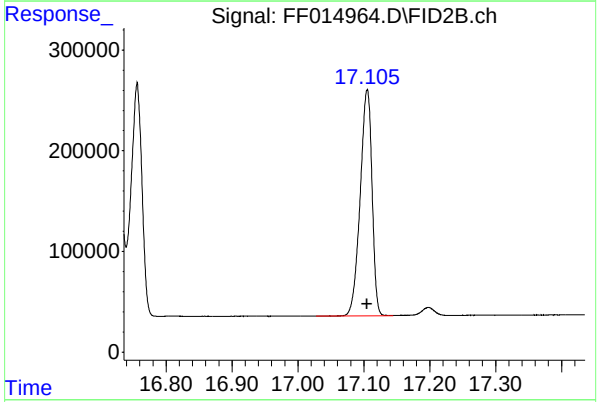
R.T.: 16.724 min
Delta R.T.: 0.000 min
Response: 2837191
Conc: 20.00 ug/ml



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

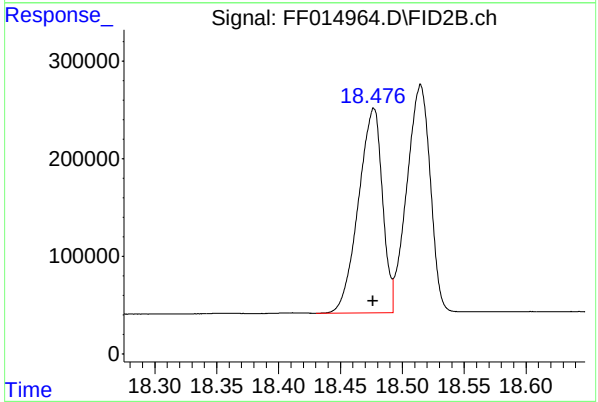
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 2654525
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



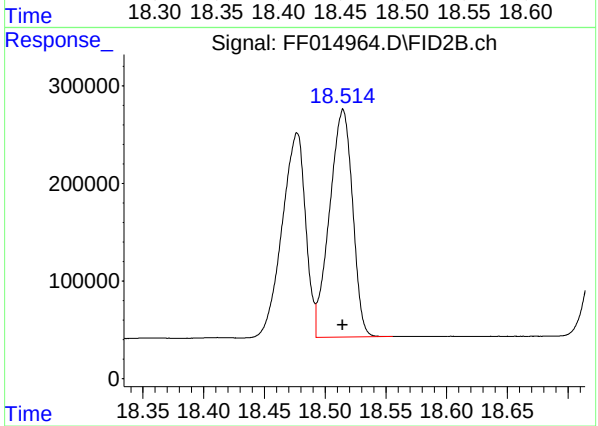
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.105 min
Delta R.T.: 0.000 min
Response: 2806782
Conc: 20.00 ug/ml



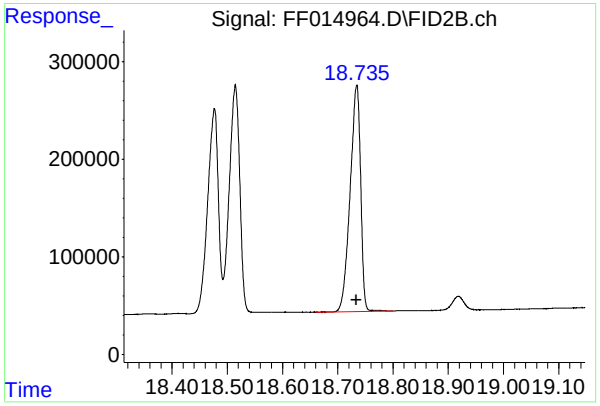
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.476 min
Delta R.T.: 0.000 min
Response: 2822651
Conc: 20.00 ug/ml



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

R.T.: 18.514 min
Delta R.T.: 0.000 min
Response: 3073773
Conc: 20.00 ug/ml



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

R.T.: 18.734 min
Delta R.T.: 0.000 mi
Response: 3065149
Conc: 20.00 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014964.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:46
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.614	4.551	4.672	BB	327924	3167074	96.93%	5.179%
2	6.279	6.221	6.314	BV	339922	3254087	99.60%	5.321%
3	7.373	7.329	7.446	BB	335383	3267320	100.00%	5.343%
4	7.997	7.962	8.057	BB	283560	2766167	84.66%	4.524%
5	8.673	8.631	8.731	BB	320731	3155839	96.59%	5.161%
6	8.872	8.812	8.941	BV	186201	1852016	56.68%	3.029%
7	8.972	8.941	9.029	VB	317705	3150804	96.43%	5.153%
8	9.761	9.724	9.816	BB	303953	3075611	94.13%	5.030%
9	11.167	11.064	11.207	BV	284399	3007153	92.04%	4.918%
10	11.242	11.207	11.297	VV	267923	2845179	87.08%	4.653%
11	11.933	11.861	11.987	BB	285145	3054141	93.48%	4.994%
12	12.987	12.944	13.019	VB	259372	2892760	88.54%	4.731%
13	13.287	13.226	13.319	BV	253873	2856862	87.44%	4.672%
14	15.165	15.117	15.186	BV	221605	2753408	84.27%	4.503%
15	15.209	15.186	15.264	VB	244280	2791744	85.44%	4.565%
16	16.724	16.654	16.740	BV	207727	2837191	86.84%	4.640%
17	16.756	16.740	16.789	VV	231224	2654525	81.24%	4.341%
18	17.105	17.027	17.144	BV	225711	2806782	85.90%	4.590%
19	18.476	18.430	18.492	PV	208764	2822651	86.39%	4.616%
20	18.514	18.492	18.556	VB	232743	3073773	94.08%	5.027%
21	18.734	18.661	18.800	BBA	231560	3065149	93.81%	5.012%
			Sum of corrected areas:			61150237		

Aromatic EPH 110724.M Fri Nov 08 08:58:19 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014965.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:15
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Nov 08 08:45:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 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...	7.996	1369564	9.902 ug/ml
Spiked Amount	50.000		Recovery =	19.80%
6) S	2-Flurobiphenyl (SURR)	8.871	918407	9.918 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	19.84%
11) S	ortho-Terphenyl (SURR)	11.932	1520285	9.956 ug/ml
Spiked Amount	50.000		Recovery =	19.91%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.614	1565211	9.884 ug/ml
2) T	Naphthalene (C11.7)	6.279	1620311	9.959 ug/ml
3) T	2-Methylnaphthalene (...	7.372	1613640	9.877 ug/ml
5) T	Acenaphthylene (C15.06)	8.672	1567965	9.937 ug/ml
7) T	Acenaphthene (C15.5)	8.970	1564614	9.932 ug/ml
8) T	Flouorene (C16.55)	9.759	1530864	9.955 ug/ml
9) T	Phenanthrene (C19.36)	11.165	1491720	9.921 ug/ml
10) T	Anthracene (C19.43)	11.240	1420516	9.985 ug/ml
12) T	Fluoranthene (C21.85)	12.986	1437780	9.941 ug/ml
13) T	Pyrene (C20.8)	13.284	1414183	9.900 ug/ml
14) T	Benzo[a]anthracene (C...	15.163	1372181	9.967 ug/ml
15) T	Chrysene (C27.41)	15.204	1398430	10.018 ug/ml
16) T	benzo[b]fluoranthene ...	16.720	1409539	9.936 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.751	1325553	9.987 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.100	1395587	9.944 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.470	1392923	9.870 ug/ml
20) T	Dibenz[a,h]anthracene...	18.510	1565656	10.187 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.726	1493053	9.742 ug/ml

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

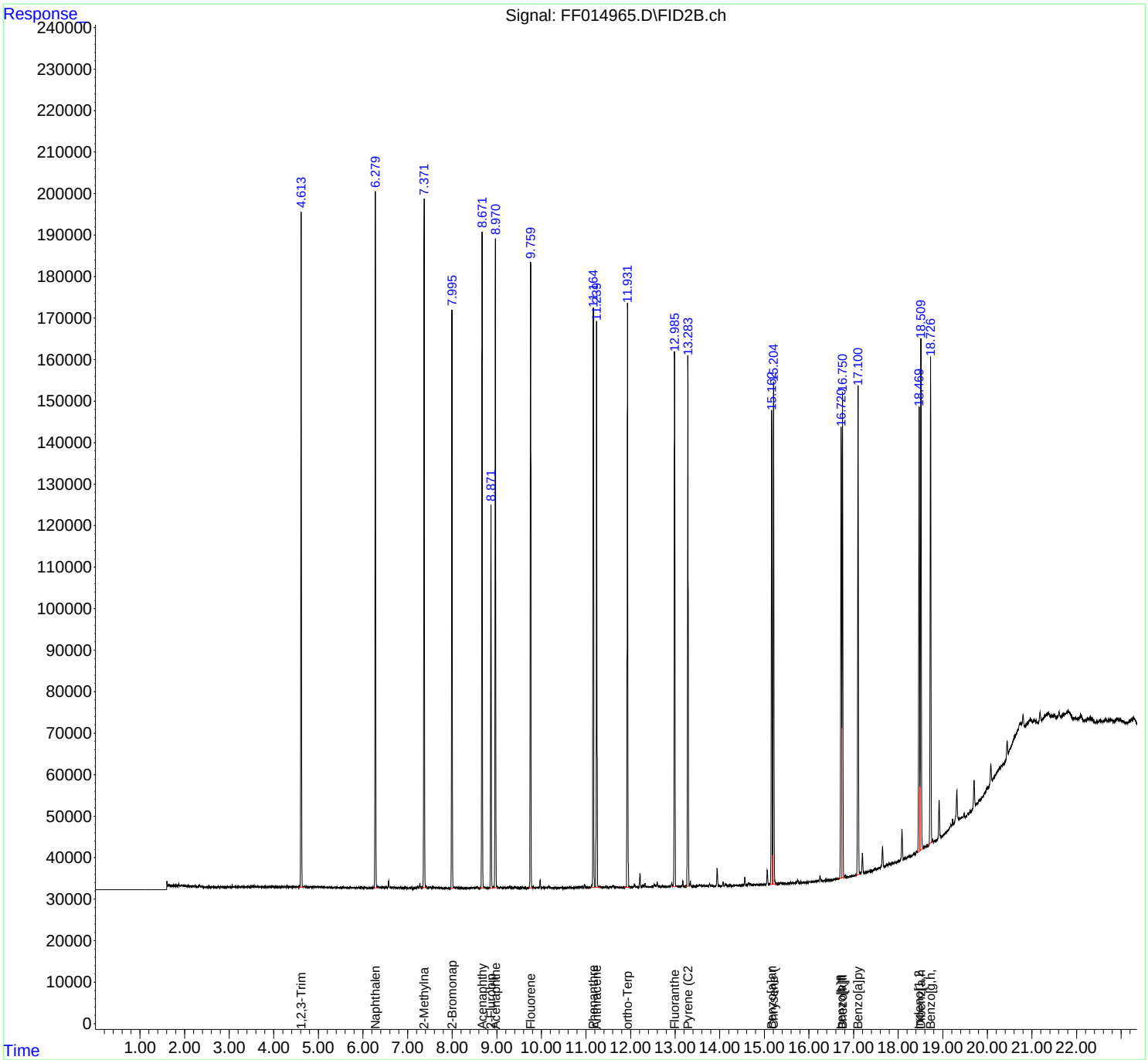
Quantitation Report (QT Reviewed)

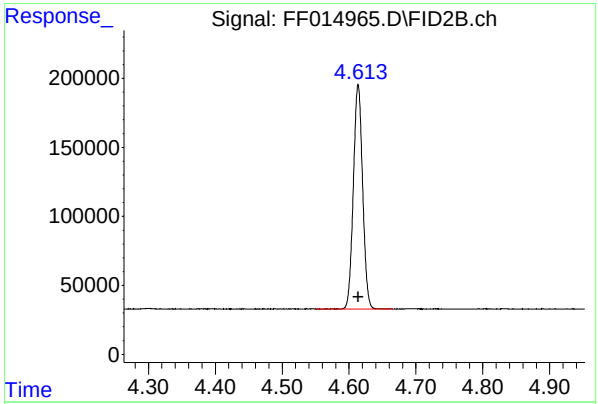
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014965.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:15
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Nov 08 08:45:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

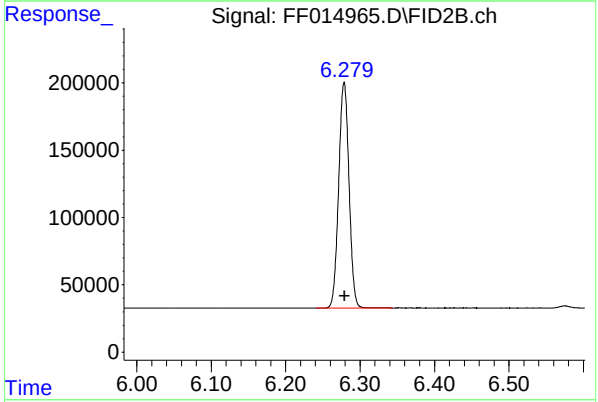




#1 1,2,3-Trimethylbenzene (C10.1)

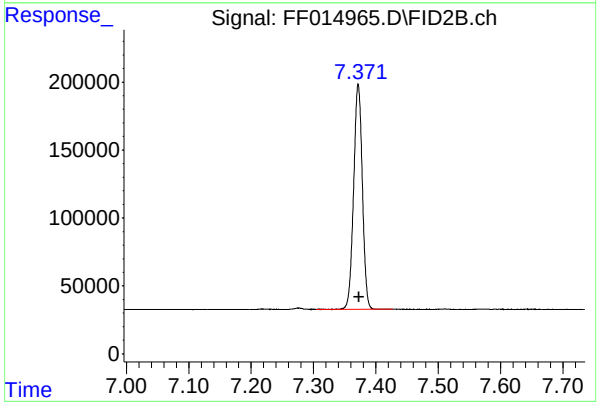
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 1565211
Conc: 9.88 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



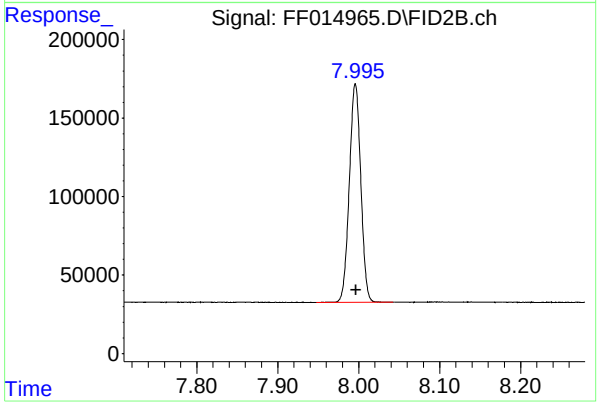
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 1620311
Conc: 9.96 ug/ml



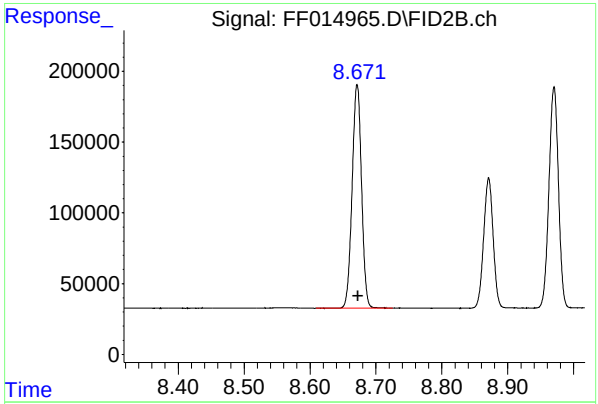
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 1613640
Conc: 9.88 ug/ml



#4 2-Bromonaphthalene (SURR)

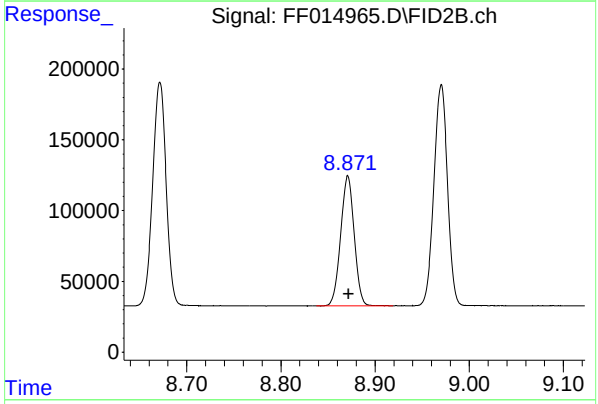
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 1369564
Conc: 9.90 ug/ml



#5 Acenaphthylene (C15.06)

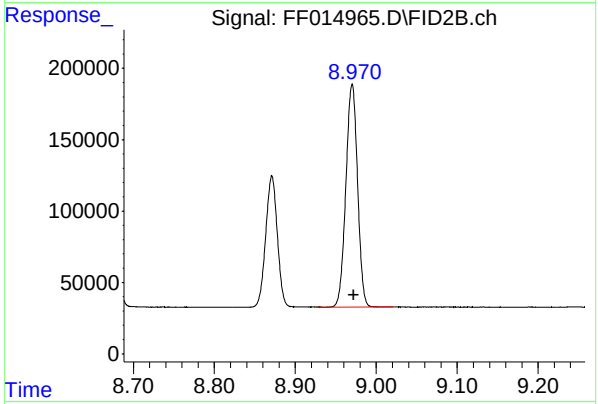
R.T.: 8.672 min
Delta R.T.: -0.001 min
Response: 1567965
Conc: 9.94 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



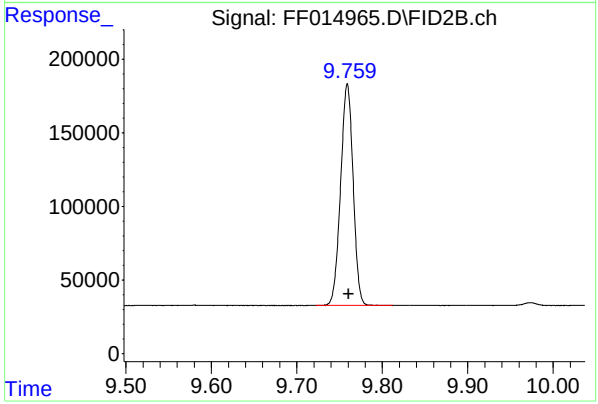
#6 2-Flurobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: 0.000 min
Response: 918407
Conc: 9.92 ug/ml



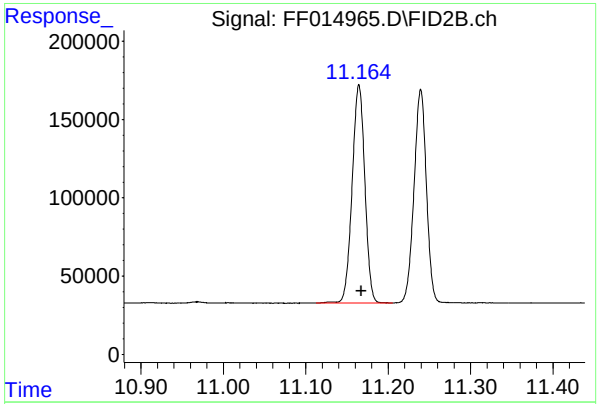
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: -0.002 min
Response: 1564614
Conc: 9.93 ug/ml



#8 Flouorene (C16.55)

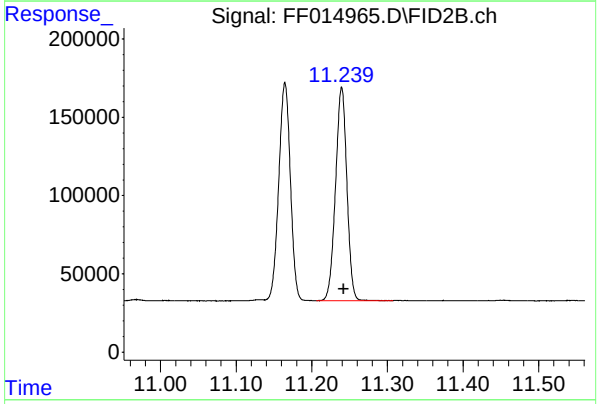
R.T.: 9.759 min
Delta R.T.: -0.001 min
Response: 1530864
Conc: 9.95 ug/ml



#9 Phenanthrene (C19.36)

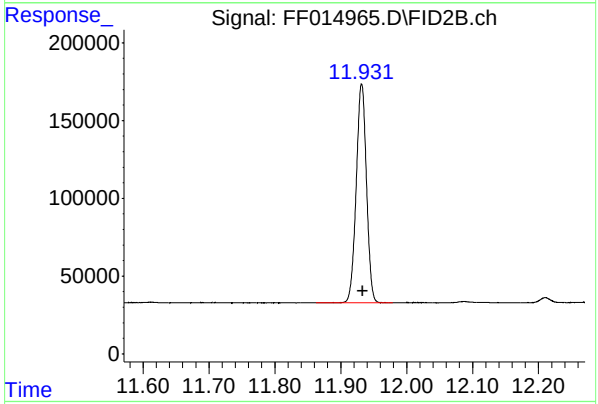
R.T.: 11.165 min
Delta R.T.: -0.003 min
Response: 1491720
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



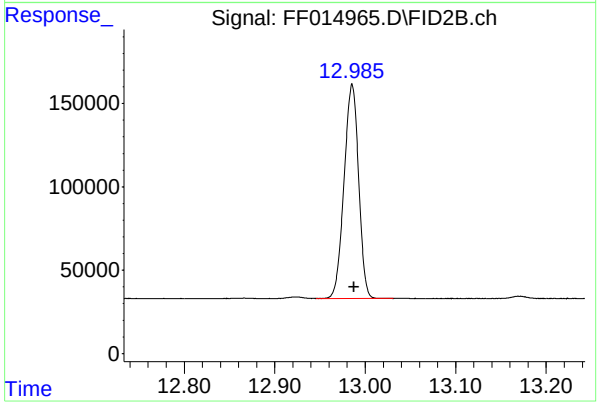
#10 Anthracene (C19.43)

R.T.: 11.240 min
Delta R.T.: -0.003 min
Response: 1420516
Conc: 9.99 ug/ml



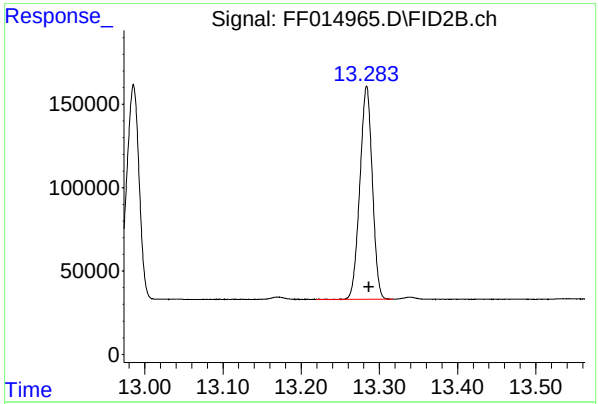
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.002 min
Response: 1520285
Conc: 9.96 ug/ml



#12 Fluoranthene (C21.85)

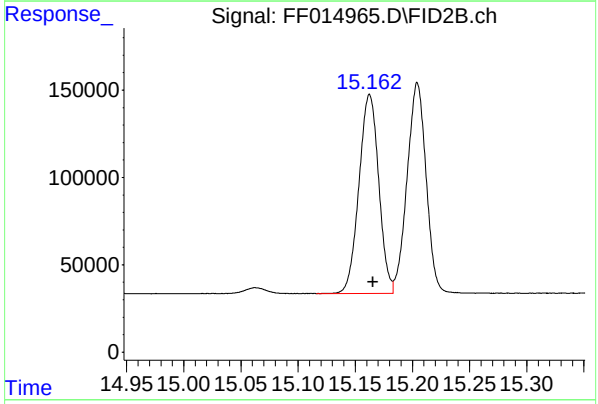
R.T.: 12.986 min
Delta R.T.: -0.002 min
Response: 1437780
Conc: 9.94 ug/ml



#13 Pyrene (C20.8)

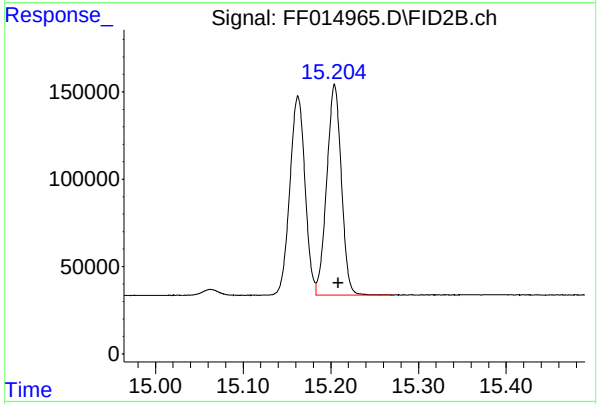
R.T.: 13.284 min
Delta R.T.: -0.003 min
Response: 1414183
Conc: 9.90 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



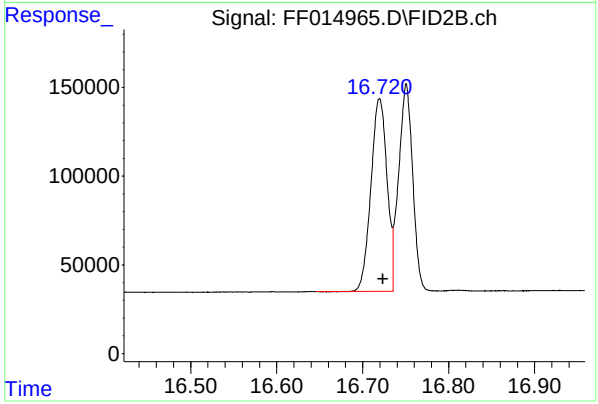
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.163 min
Delta R.T.: -0.003 min
Response: 1372181
Conc: 9.97 ug/ml



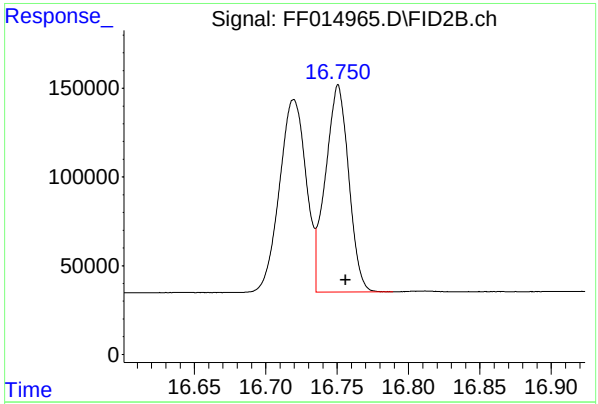
#15 Chrysene (C27.41)

R.T.: 15.204 min
Delta R.T.: -0.005 min
Response: 1398430
Conc: 10.02 ug/ml



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

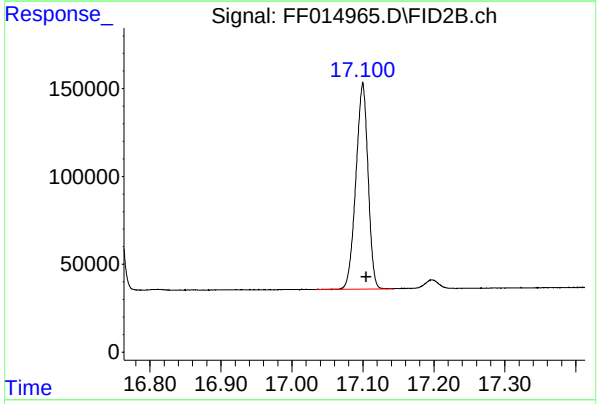
R.T.: 16.720 min
Delta R.T.: -0.004 min
Response: 1409539
Conc: 9.94 ug/ml



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

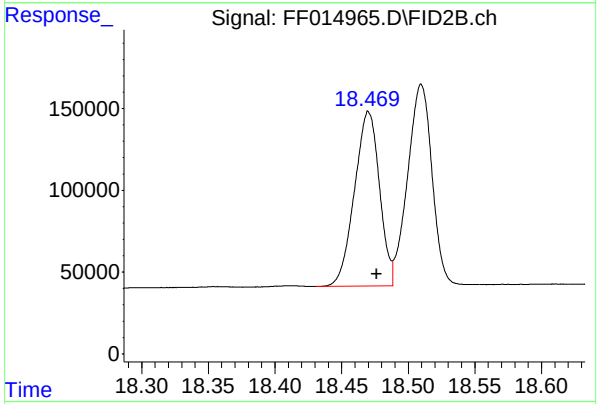
R.T.: 16.751 min
Delta R.T.: -0.005 min
Response: 1325553
Conc: 9.99 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



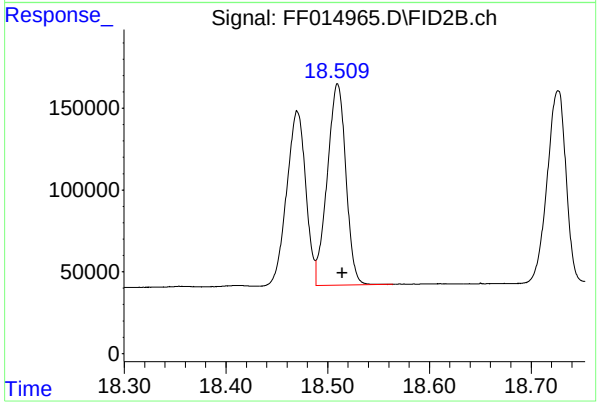
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.100 min
Delta R.T.: -0.005 min
Response: 1395587
Conc: 9.94 ug/ml



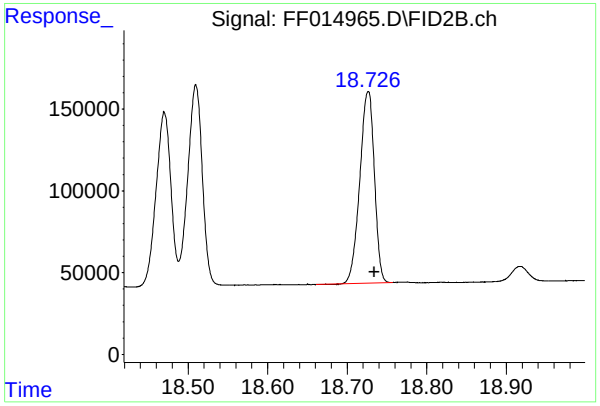
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.470 min
Delta R.T.: -0.006 min
Response: 1392923
Conc: 9.87 ug/ml



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

R.T.: 18.510 min
Delta R.T.: -0.005 min
Response: 1565656
Conc: 10.19 ug/ml



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

R.T.:	18.726 min
Delta R.T.:	-0.008 mir
Response:	1493053
Conc:	9.74 ug/m

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014965.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:15
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.614	4.551	4.666	BB	162694	1565211	96.60%	5.151%
2	6.279	6.241	6.344	BB	168131	1620311	100.00%	5.332%
3	7.372	7.304	7.427	BB	165510	1613640	99.59%	5.310%
4	7.996	7.947	8.042	BB	139234	1369564	84.52%	4.507%
5	8.672	8.609	8.726	BB	158234	1567965	96.77%	5.160%
6	8.871	8.837	8.919	BB	92088	918407	56.68%	3.022%
7	8.970	8.926	9.021	BB	156697	1564614	96.56%	5.149%
8	9.759	9.722	9.812	BB	150469	1530864	94.48%	5.038%
9	11.165	11.112	11.206	BV	139291	1491720	92.06%	4.909%
10	11.240	11.206	11.307	VB	136195	1420516	87.67%	4.675%
11	11.932	11.862	11.979	BB	140723	1520285	93.83%	5.003%
12	12.986	12.946	13.031	VB	128913	1437780	88.73%	4.731%
13	13.284	13.219	13.317	BV	128165	1414183	87.28%	4.654%
14	15.163	15.116	15.183	BV	114139	1372181	84.69%	4.516%
15	15.204	15.183	15.271	VB	120890	1398430	86.31%	4.602%
16	16.720	16.646	16.735	BV	108628	1409539	86.99%	4.638%
17	16.751	16.735	16.789	VV	116981	1325553	81.81%	4.362%
18	17.100	17.034	17.142	BV	116655	1395587	86.13%	4.593%
19	18.470	18.431	18.488	PV	106391	1392923	85.97%	4.584%
20	18.510	18.488	18.564	VB	123136	1565656	96.63%	5.152%
21	18.726	18.661	18.757	BV	117208	1493053	92.15%	4.913%

Sum of corrected areas: 30387981

Aromatic EPH 110724.M Fri Nov 08 08:58:41 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014966.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:43
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Nov 08 08:45:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 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...	7.995	683331	4.941 ug/ml
Spiked Amount	50.000		Recovery =	9.88%
6)	S 2-Flurobiphenyl (SURR)	8.870	455230	4.916 ug/ml
Spiked Amount	50.000 Range 0 - 131		Recovery =	9.83%
11)	S ortho-Terphenyl (SURR)	11.931	761522	4.987 ug/ml
Spiked Amount	50.000		Recovery =	9.97%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.614	784905	4.957 ug/ml
2)	T Naphthalene (C11.7)	6.278	805649	4.952 ug/ml
3)	T 2-Methylnaphthalene (...	7.371	801496	4.906 ug/ml
5)	T Acenaphthylene (C15.06)	8.671	780019	4.943 ug/ml
7)	T Acenaphthene (C15.5)	8.969	778258	4.940 ug/ml
8)	T Flouorene (C16.55)	9.758	760561	4.946 ug/ml
9)	T Phenanthrene (C19.36)	11.164	744809	4.954 ug/ml
10)	T Anthracene (C19.43)	11.239	709953	4.991 ug/ml
12)	T Fluoranthene (C21.85)	12.984	722410	4.995 ug/ml
13)	T Pyrene (C20.8)	13.283	713202	4.993 ug/ml
14)	T Benzo[a]anthracene (C...	15.161	702023	5.099 ug/ml
15)	T Chrysene (C27.41)	15.203	724398	5.190 ug/ml
16)	T benzo[b]fluoranthene ...	16.718	724657	5.108 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.748	681476	5.134 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.097	709634	5.057 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.466	710611	5.035 ug/ml
20)	T Dibenz[a,h]anthracene...	18.507	854046	5.557 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.722	759135	4.953 ug/ml

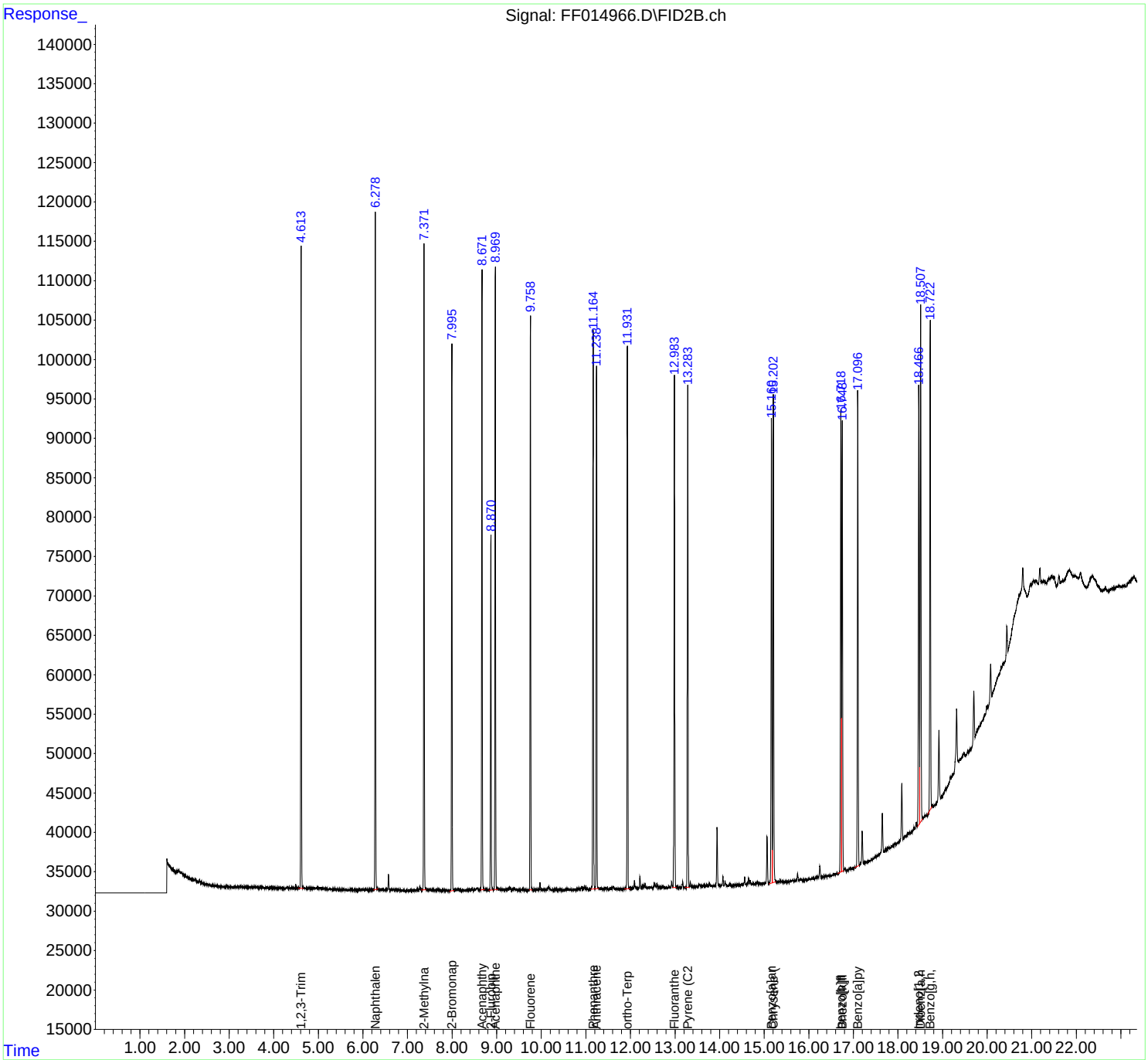
(f)=RT Delta > 1/2 Window (m)=manual int.

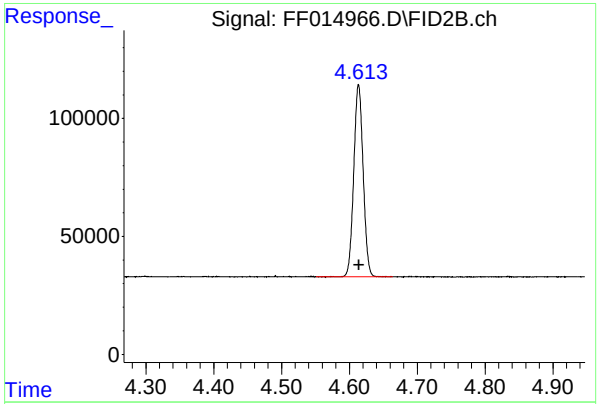
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014966.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:43
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Nov 08 08:45:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

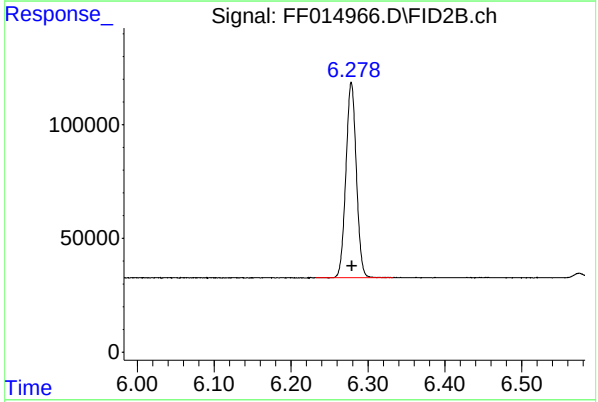




#1 1,2,3-Trimethylbenzene (C10.1)

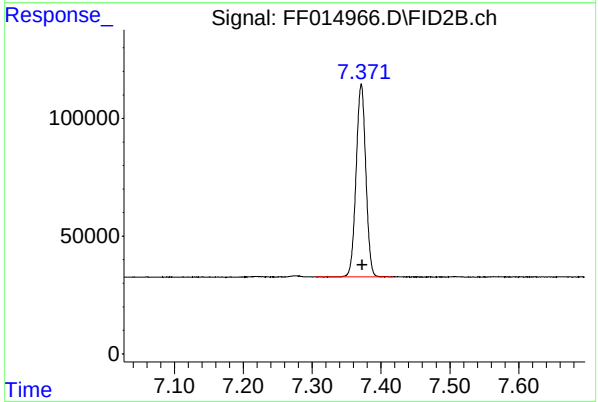
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 784905
Conc: 4.96 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



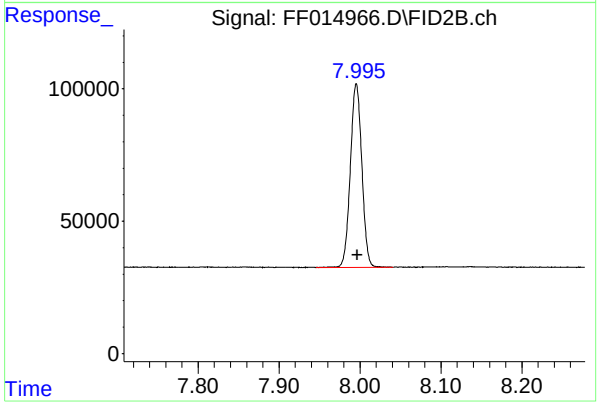
#2 Naphthalene (C11.7)

R.T.: 6.278 min
Delta R.T.: 0.000 min
Response: 805649
Conc: 4.95 ug/ml



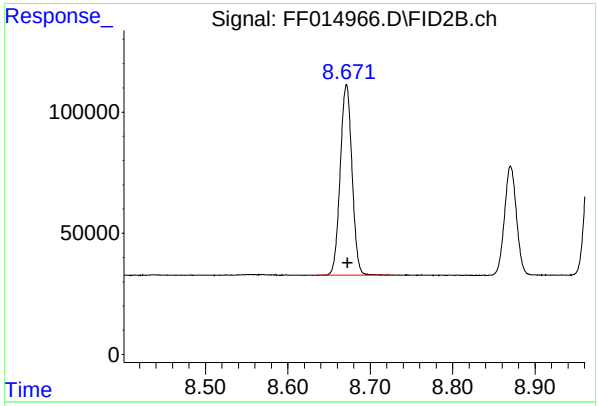
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: -0.002 min
Response: 801496
Conc: 4.91 ug/ml



#4 2-Bromonaphthalene (SURR)

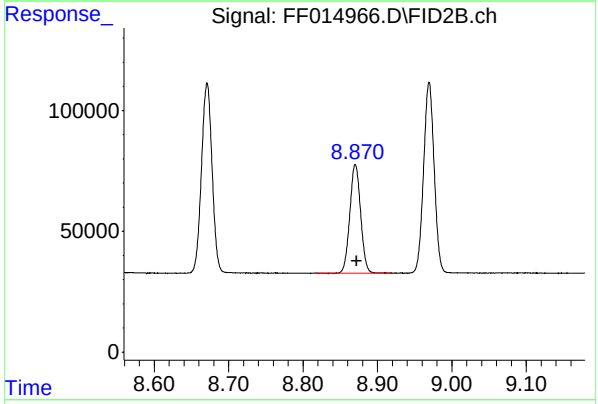
R.T.: 7.995 min
Delta R.T.: -0.001 min
Response: 683331
Conc: 4.94 ug/ml



#5 Acenaphthylene (C15.06)

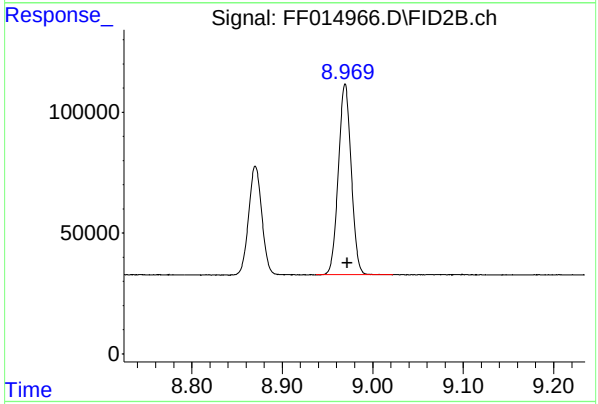
R.T.: 8.671 min
Delta R.T.: -0.002 min
Response: 780019
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



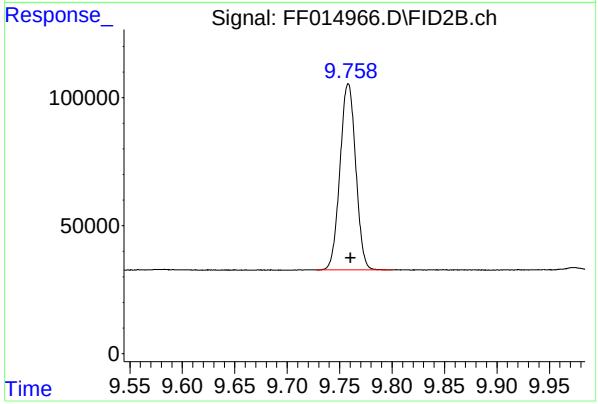
#6 2-Flurobiphenyl (SURR)

R.T.: 8.870 min
Delta R.T.: -0.002 min
Response: 455230
Conc: 4.92 ug/ml



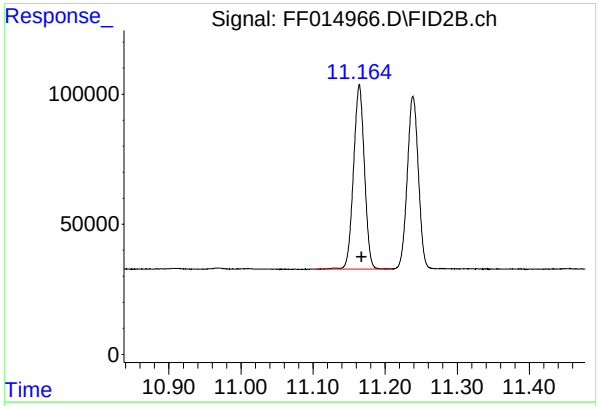
#7 Acenaphthene (C15.5)

R.T.: 8.969 min
Delta R.T.: -0.002 min
Response: 778258
Conc: 4.94 ug/ml



#8 Flouorene (C16.55)

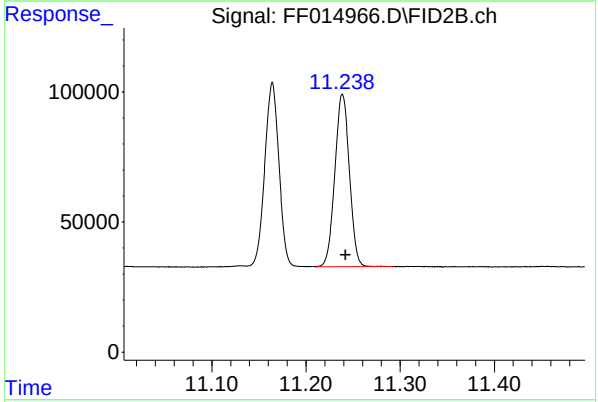
R.T.: 9.758 min
Delta R.T.: -0.002 min
Response: 760561
Conc: 4.95 ug/ml



#9 Phenanthrene (C19.36)

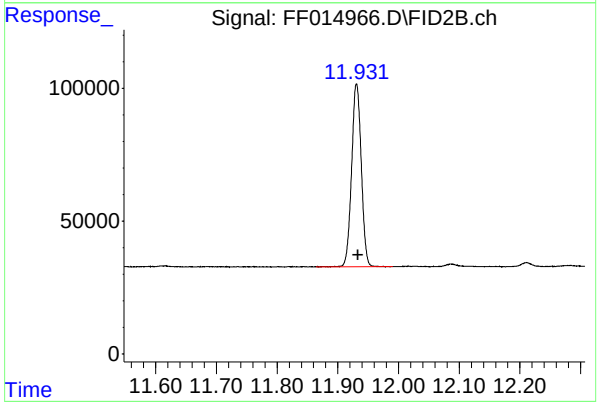
R.T.: 11.164 min
Delta R.T.: -0.003 min
Response: 744809
Conc: 4.95 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



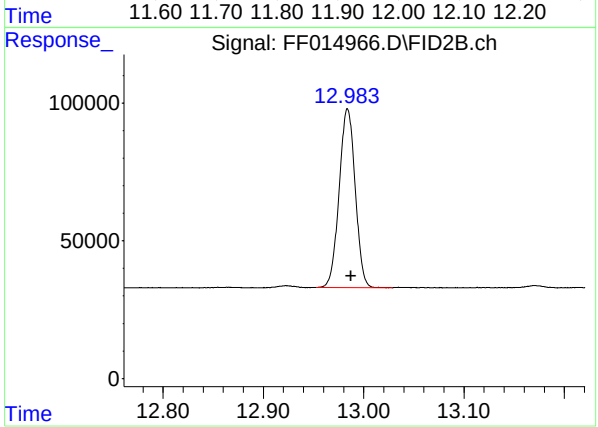
#10 Anthracene (C19.43)

R.T.: 11.239 min
Delta R.T.: -0.003 min
Response: 709953
Conc: 4.99 ug/ml



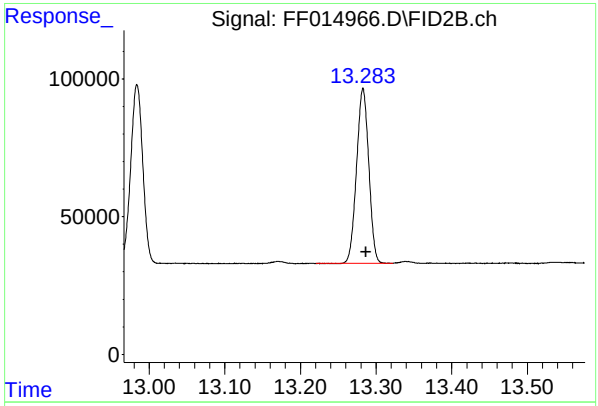
#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: -0.002 min
Response: 761522
Conc: 4.99 ug/ml



#12 Fluoranthene (C21.85)

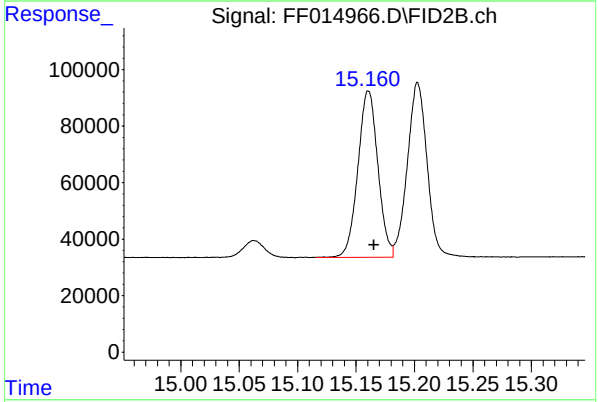
R.T.: 12.984 min
Delta R.T.: -0.003 min
Response: 722410
Conc: 4.99 ug/ml



#13 Pyrene (C20.8)

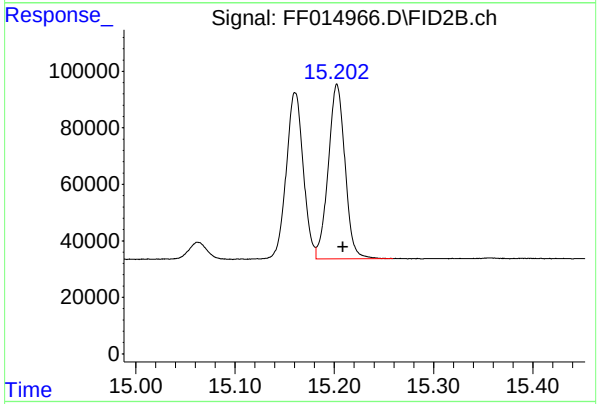
R.T.: 13.283 min
Delta R.T.: -0.004 min
Response: 713202
Conc: 4.99 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



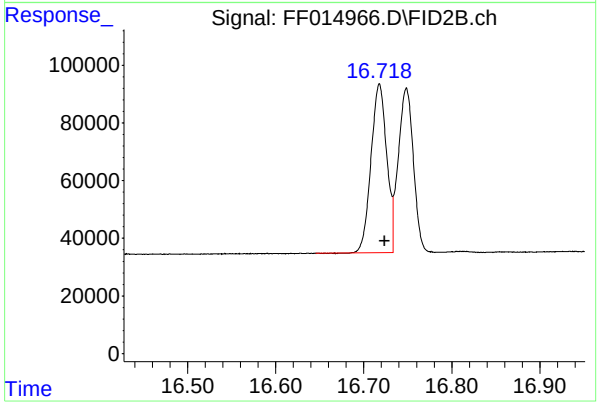
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.161 min
Delta R.T.: -0.005 min
Response: 702023
Conc: 5.10 ug/ml



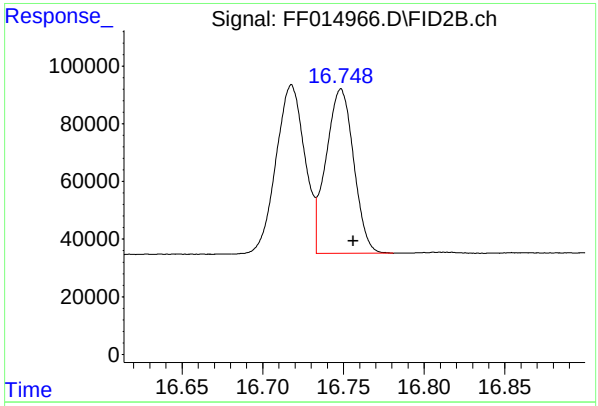
#15 Chrysene (C27.41)

R.T.: 15.203 min
Delta R.T.: -0.006 min
Response: 724398
Conc: 5.19 ug/ml



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

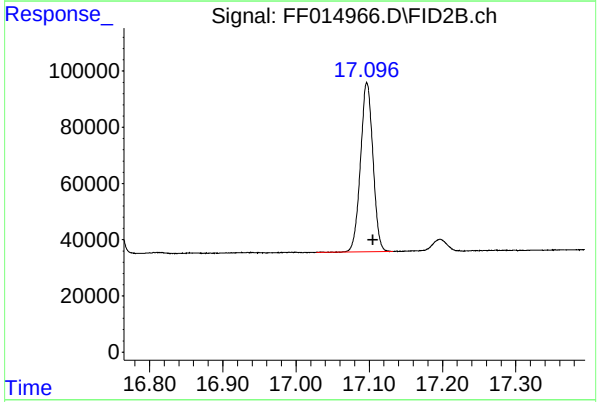
R.T.: 16.718 min
Delta R.T.: -0.006 min
Response: 724657
Conc: 5.11 ug/ml



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

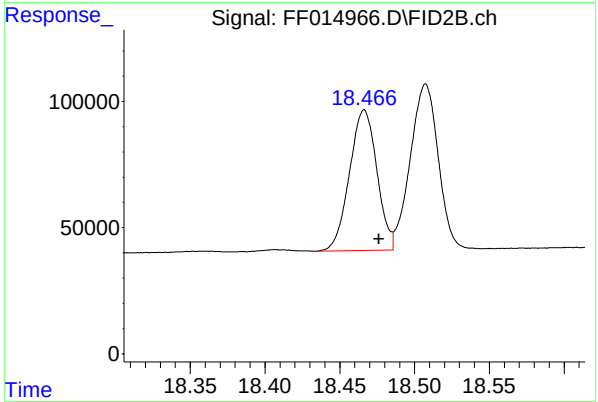
R.T.: 16.748 min
Delta R.T.: -0.008 mi
Response: 681476
Conc: 5.13 ug/m

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



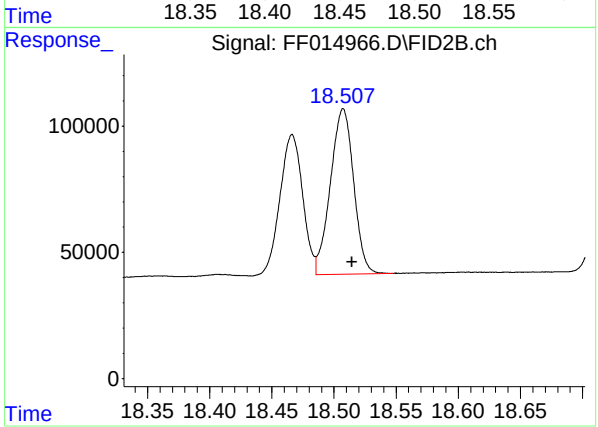
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.097 min
Delta R.T.: -0.008 min
Response: 709634
Conc: 5.06 ug/ml



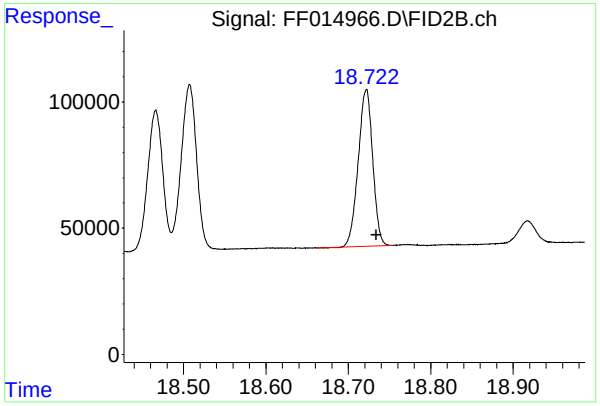
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.466 min
Delta R.T.: -0.010 min
Response: 710611
Conc: 5.04 ug/ml



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

R.T.: 18.507 min
Delta R.T.: -0.007 min
Response: 854046
Conc: 5.56 ug/ml



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

R.T.: 18.722 min
Delta R.T.: -0.012 mi
Response: 759135
Conc: 4.95 ug/m

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014966.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:43
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.614	4.551	4.664	BB	81313	784905	91.90%	5.108%
2	6.278	6.232	6.332	BB	85835	805649	94.33%	5.243%
3	7.371	7.306	7.417	BB	81664	801496	93.85%	5.216%
4	7.996	7.946	8.041	BB	69355	683331	80.01%	4.447%
5	8.671	8.634	8.727	BB	78582	780019	91.33%	5.076%
6	8.870	8.817	8.921	BB	44886	455230	53.30%	2.962%
7	8.969	8.937	9.022	BB	78905	778258	91.13%	5.064%
8	9.758	9.727	9.801	BB	72943	760561	89.05%	4.949%
9	11.164	11.104	11.211	BV	70881	744809	87.21%	4.847%
10	11.239	11.211	11.292	VB	66143	709953	83.13%	4.620%
11	11.931	11.864	11.991	BB	68889	761522	89.17%	4.955%
12	12.984	12.952	13.029	BB	64927	722410	84.59%	4.701%
13	13.283	13.221	13.322	BV	63564	713202	83.51%	4.641%
14	15.161	15.116	15.182	BV	58956	702023	82.20%	4.568%
15	15.203	15.182	15.259	VB	61900	724398	84.82%	4.714%
16	16.718	16.646	16.733	BV	58536	724657	84.85%	4.716%
17	16.748	16.733	16.781	VV	57282	681476	79.79%	4.435%
18	17.097	17.027	17.132	BB	60034	709634	83.09%	4.618%
19	18.466	18.434	18.486	PV	55713	710611	83.21%	4.624%
20	18.507	18.486	18.547	VV	65711	854046	100.00%	5.558%
21	18.722	18.661	18.754	BV	62494	759135	88.89%	4.940%
			Sum of corrected areas:			15367326		

Aromatic EPH 110724.M Fri Nov 08 08:59:01 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014967.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 20:11
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
Quant Time: Nov 08 08:50:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.996	2677459	20.119 ug/ml
	Spiked Amount 50.000		Recovery = 40.24%	
6)	S 2-Flurobiphenyl (SURR)	8.872	1788884	20.057 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 40.11%	
11)	S ortho-Terphenyl (SURR)	11.933	2937292	19.943 ug/ml
	Spiked Amount 50.000		Recovery = 39.89%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.613	3083180	20.258 ug/ml
2)	T Naphthalene (C11.7)	6.279	3162444	20.151 ug/ml
3)	T 2-Methylnaphthalene (...	7.373	3171496	20.217 ug/ml
5)	T Acenaphthylene (C15.06)	8.672	3054984	20.089 ug/ml
7)	T Acenaphthene (C15.5)	8.971	3044860	20.067 ug/ml
8)	T Flouorene (C16.55)	9.760	2965974	19.995 ug/ml
9)	T Phenanthrene (C19.36)	11.166	2883607	19.882 ug/ml
10)	T Anthracene (C19.43)	11.241	2756127	20.084 ug/ml
12)	T Fluoranthene (C21.85)	12.986	2778509	19.881 ug/ml
13)	T Pyrene (C20.8)	13.286	2741087	19.893 ug/ml
14)	T Benzo[a]anthracene (C...	15.164	2628452	19.698 ug/ml
15)	T Chrysene (C27.41)	15.207	2665304	19.633 ug/ml
16)	T benzo[b]fluoranthene ...	16.723	2691646	19.581 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.755	2538092	19.731 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.103	2679045	19.758 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.474	2668215	19.414 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.513	2742319	18.535 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.732	2893039	19.768 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014967.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 20:11
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

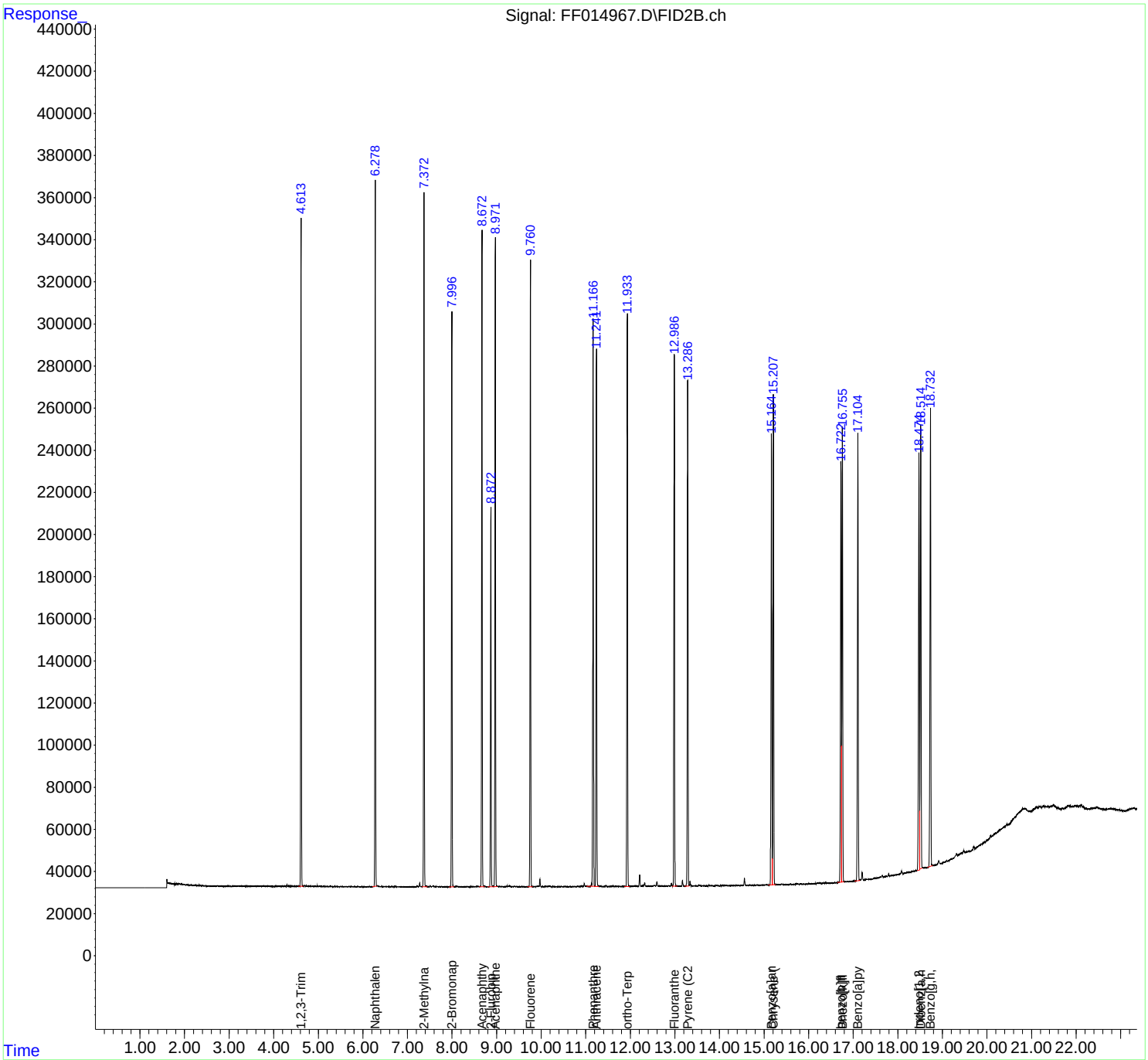
Integration File: autoint1.e
Quant Time: Nov 08 08:50:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

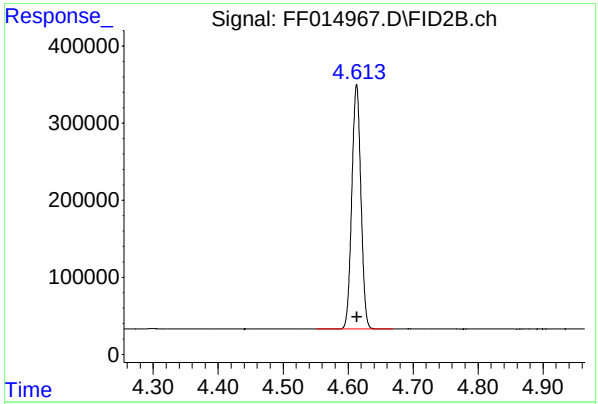
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024





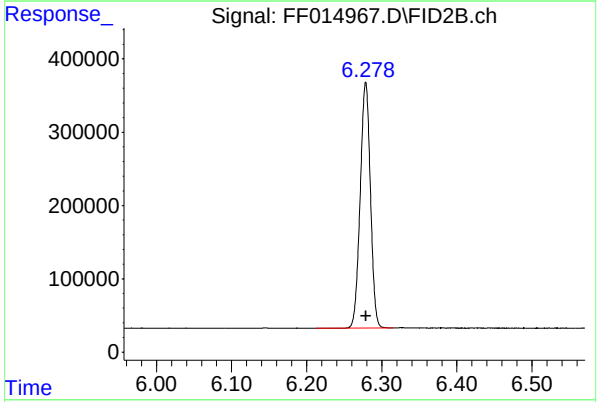
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.613 min
Delta R.T.: 0.000 min
Response: 3083180
Conc: 20.26 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

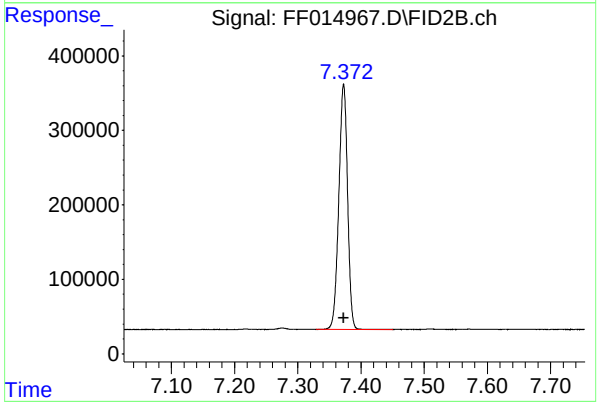
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



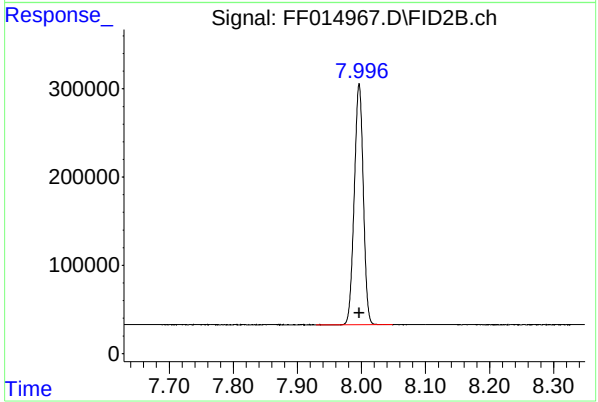
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 3162444
Conc: 20.15 ug/ml



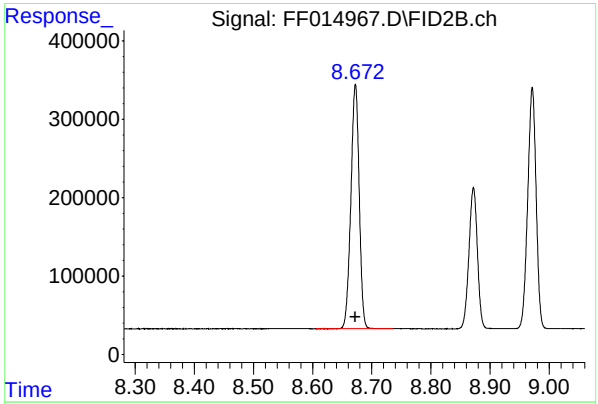
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 3171496
Conc: 20.22 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 2677459
Conc: 20.12 ug/ml



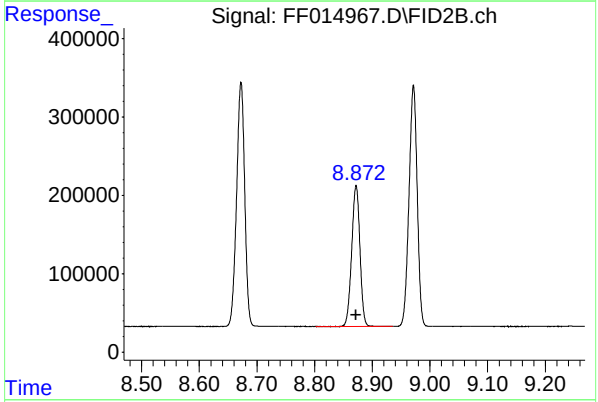
#5 Acenaphthylene (C15.06)

R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 3054984
Conc: 20.09 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

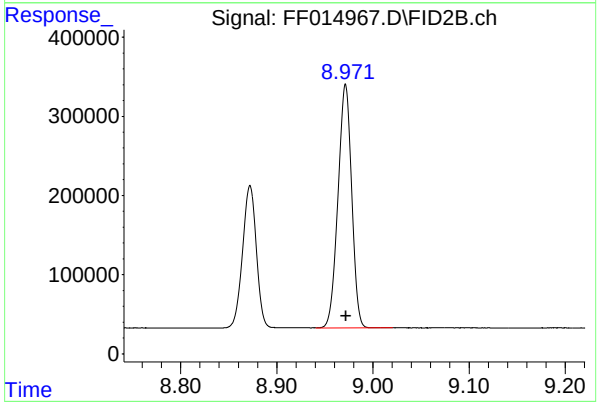
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



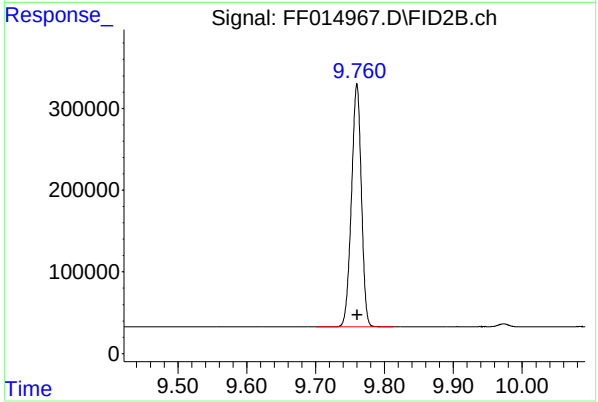
#6 2-Flurobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1788884
Conc: 20.06 ug/ml



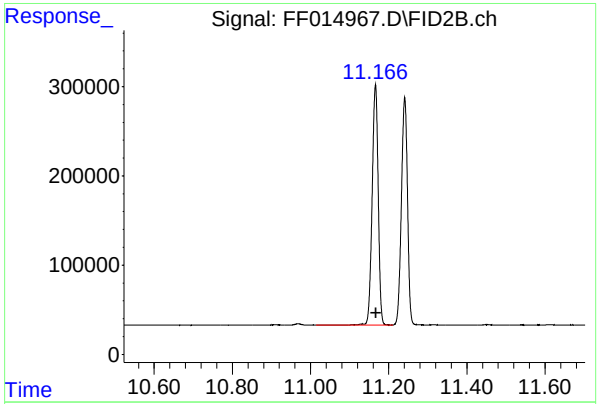
#7 Acenaphthene (C15.5)

R.T.: 8.971 min
Delta R.T.: 0.000 min
Response: 3044860
Conc: 20.07 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 2965974
Conc: 20.00 ug/ml



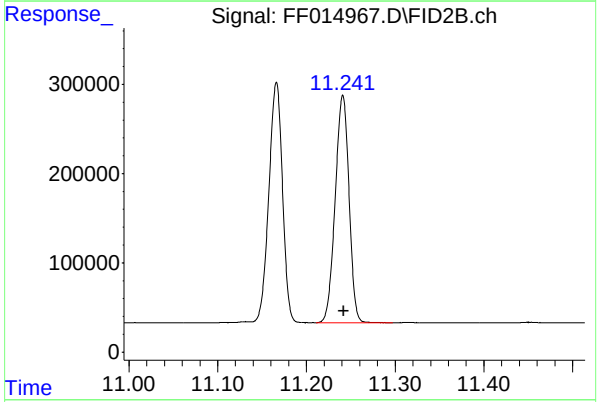
#9 Phenanthrene (C19.36)

R.T.: 11.166 min
Delta R.T.: -0.001 min
Response: 2883607
Conc: 19.88 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

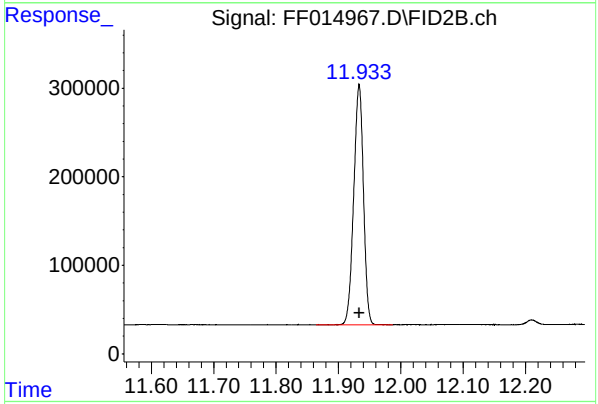
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



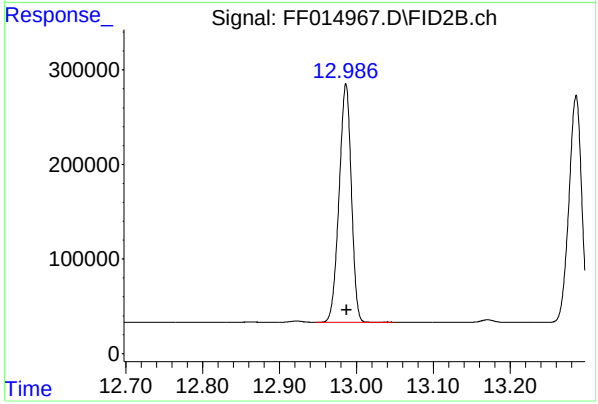
#10 Anthracene (C19.43)

R.T.: 11.241 min
Delta R.T.: -0.001 min
Response: 2756127
Conc: 20.08 ug/ml



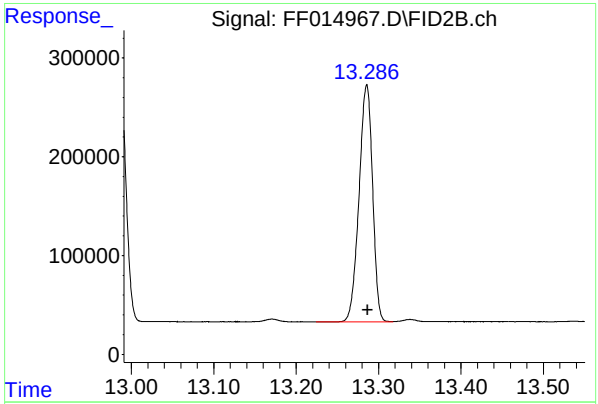
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 2937292
Conc: 19.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.986 min
Delta R.T.: -0.001 min
Response: 2778509
Conc: 19.88 ug/ml



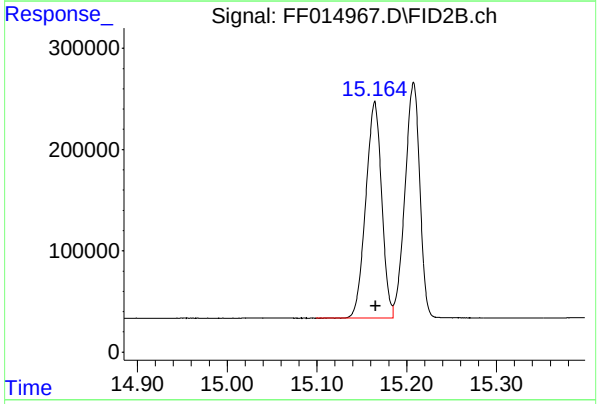
#13 Pyrene (C20.8)

R.T.: 13.286 min
Delta R.T.: -0.001 min
Response: 2741087
Conc: 19.89 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

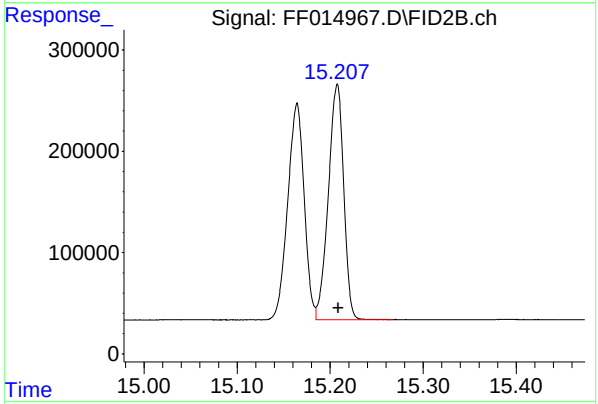
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



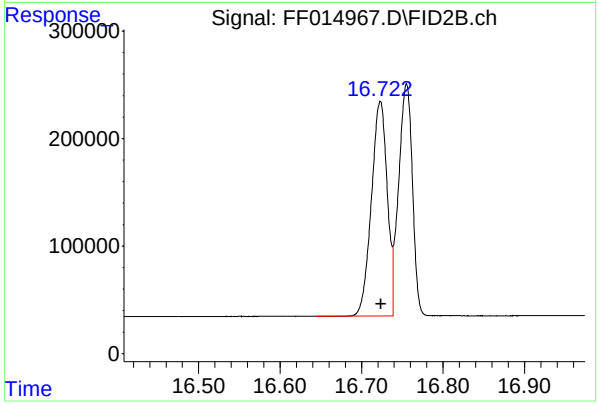
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.164 min
Delta R.T.: -0.001 min
Response: 2628452
Conc: 19.70 ug/ml



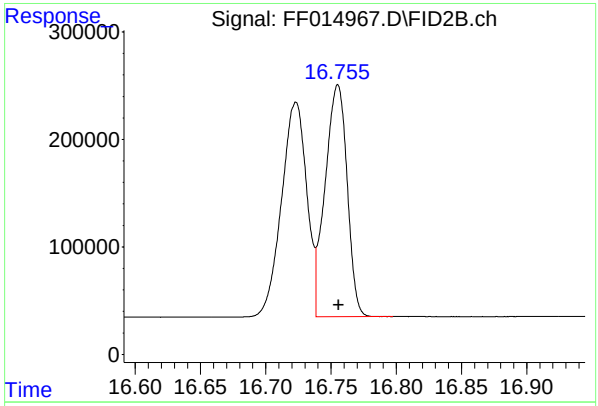
#15 Chrysene (C27.41)

R.T.: 15.207 min
Delta R.T.: -0.001 min
Response: 2665304
Conc: 19.63 ug/ml



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

R.T.: 16.723 min
Delta R.T.: 0.000 min
Response: 2691646
Conc: 19.58 ug/ml



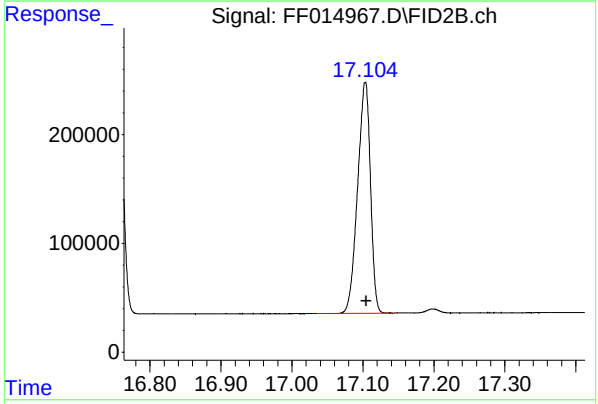
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.755 min
Delta R.T.: 0.000 mi
Response: 2538092
Conc: 19.73 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

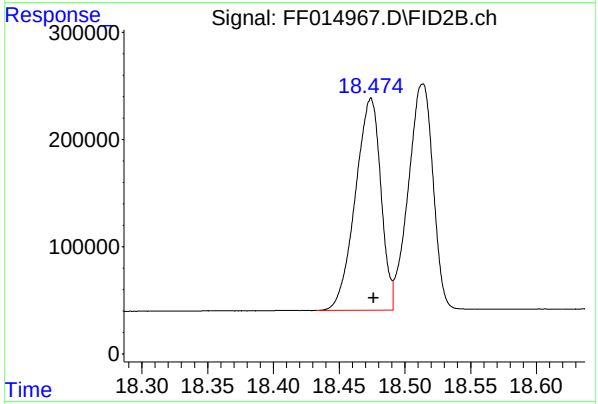
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



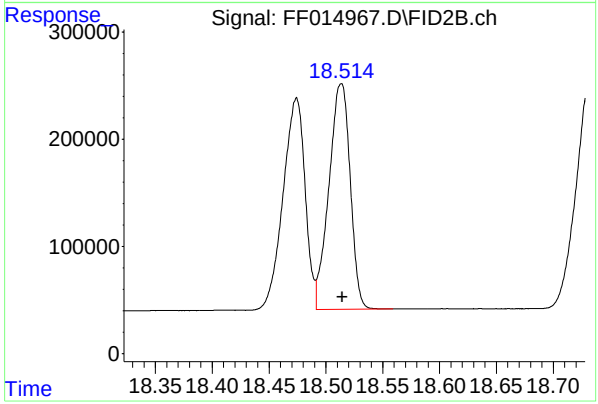
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min
Delta R.T.: -0.002 min
Response: 2679045
Conc: 19.76 ug/ml



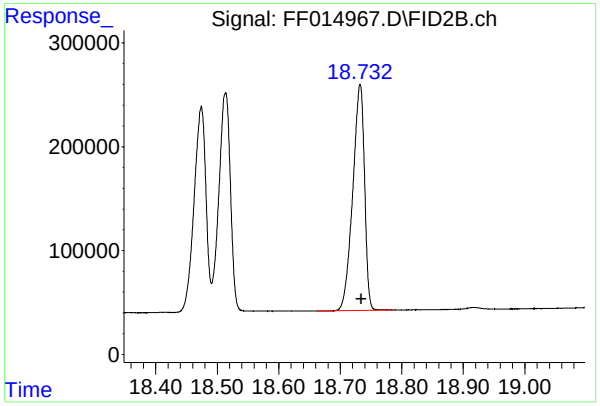
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.474 min
Delta R.T.: -0.002 min
Response: 2668215
Conc: 19.41 ug/ml m



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

R.T.: 18.513 min
Delta R.T.: -0.001 min
Response: 2742319
Conc: 18.54 ug/ml



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

R.T.: 18.732 min
Delta R.T.: -0.002 mi
Response: 2893039
Conc: 19.77 ug/m

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11072
Data File : FF014967.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 20:11
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.613	4.551	4.669	BB	316958	3083180	97.22%	5.268%
2	6.279	6.212	6.315	BV	336245	3162444	99.71%	5.403%
3	7.373	7.329	7.451	BB	329296	3171496	100.00%	5.418%
4	7.996	7.929	8.049	BB	272723	2677459	84.42%	4.574%
5	8.672	8.606	8.736	BB	312077	3054984	96.33%	5.219%
6	8.872	8.802	8.936	BB	180201	1788884	56.41%	3.056%
7	8.971	8.941	9.021	BB	307713	3044860	96.01%	5.202%
8	9.760	9.701	9.812	BB	298467	2965974	93.52%	5.067%
9	11.166	11.014	11.211	BV	269251	2883607	90.92%	4.927%
10	11.241	11.211	11.297	VV	254766	2756127	86.90%	4.709%
11	11.933	11.864	11.987	BB	270631	2937292	92.62%	5.018%
12	12.986	12.947	13.047	PB	252310	2778509	87.61%	4.747%
13	13.286	13.224	13.317	BV	240301	2741087	86.43%	4.683%
14	15.164	15.099	15.185	BV	213412	2628452	82.88%	4.491%
15	15.207	15.185	15.267	VB	232655	2665304	84.04%	4.554%
16	16.723	16.644	16.739	BV	199452	2691646	84.87%	4.599%
17	16.755	16.739	16.797	VB	216639	2538092	80.03%	4.336%
18	17.103	17.034	17.142	BV	213052	2679045	84.47%	4.577%
19	18.474	18.281	18.491	BV	197525	2648168	83.50%	4.524%
20	18.513	18.491	18.559	VB	211030	2742319	86.47%	4.685%
21	18.732	18.661	18.786	BB	218242	2893039	91.22%	4.943%
			Sum of corrected areas:			58531968		

Aromatic EPH 110724.M Fri Nov 08 08:59:38 2024

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

Inital Calibration Report for SequenceID : FG102124AL

AreaCount

Parameter Range	FG014471.D	FG014472.D	FG014473.D	FG014474.D	FG014475.D	
Aliphatic C9-C12	36516747.000	18800719.000	7794944.000	4158290.000	2116796.000	
Aliphatic C12-C16	25034058.000	12947906.000	5357288.000	2878177.000	1466193.000	
Aliphatic C16-C21	38598823.000	19644786.000	8203721.000	4584276.000	2356311.000	
Aliphatic C21-C28	50615746.000	25217511.000	10709184.000	6230052.000	3213254.000	
Aliphatic C28-C40	55737822.000	28276085.000	12112197.000	7049393.000	3685801.000	
Aliphatic EPH	206503196.000	104887007.000	44177334.000	24900188.000	12838355.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	131341.1499996	6.359				
Aliphatic C12-C16	135821.94	6.78				
Aliphatic C16-C21	141250.6533332	9.156				
Aliphatic C21-C28	140581.144	11.719				
Aliphatic C28-C40	105686.9756664	12.966				
Aliphatic EPH	126992.5399992	10.052				

Concentration

Parameter Range	FG014471.D	FG014472.D	FG014473.D	FG014474.D	FG014475.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	FG014471.D	FG014472.D	FG014473.D	FG014474.D	FG014475.D	
Aliphatic C9-C12	121722.490000	125338.126666	129915.733333	138609.666666	141119.733333	
Aliphatic C12-C16	125170.290000	129479.060000	133932.200000	143908.850000	146619.300000	
Aliphatic C16-C21	128662.743333	130965.240000	136728.683333	152809.200000	157087.400000	

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

Inital Calibration Report for SequenceID : FG102124AL

Aliphatic C21-C28	126539.365000	126087.555000	133864.800000	155751.300000	160662.700000	
Aliphatic C28-C40	92896.370000	94253.616666	100934.975000	117489.883333	122860.033333	
Aliphatic EPH	114723.997777	116541.118888	122714.816666	138334.377777	142648.388888	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014471.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 00:58
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 22 06:45:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 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)	11.996	14096879	93.621 ug/ml
Spiked Amount	50.000		Recovery =	187.24%
12) S	1-chlorooctadecane (S...	13.431	11193276	94.567 ug/ml
Spiked Amount	50.000		Recovery =	189.13%
	Target Compounds			
1) T	n-Nonane (C9)	3.351	12005516	93.766 ug/ml
2) T	n-Decane (C10)	4.605	12211237	93.700 ug/ml
3) T	A~Naphthalene (C11.7)	6.313	13297129	93.734 ug/ml
4) T	n-Dodecane (C12)	6.778	12299994	93.616 ug/ml
5) T	A~2-methylnaphthalene...	7.413	12932503	93.719 ug/ml
6) T	n-Tetradecane (C14)	8.611	12259486	93.490 ug/ml
7) T	n-Hexadecane (C16)	10.225	12774572	93.428 ug/ml
8) T	n-Octadecane (C18)	11.674	13078731	93.711 ug/ml
10) T	n-Eicosane (C20)	12.985	12806004	94.178 ug/ml
11) T	n-Heneicosane (C21)	13.599	12714088	94.427 ug/ml
13) T	n-Docosane (C22)	14.186	12763388	94.706 ug/ml
14) T	n-Tetracosane (C24)	15.291	12859298	94.817 ug/ml
15) T	n-Hexacosane (C26)	16.312	12678164	94.500 ug/ml
16) T	n-Octacosane (C28)	17.262	12314896	94.073 ug/ml
17) T	n-Tricontane (C30)	18.150	12163745	92.632 ug/ml
18) T	n-Dotriacontane (C32)	18.982	11357092	91.568 ug/ml
19) T	n-Tetratriacontane (C34)	19.765	9726912	91.237 ug/ml
20) T	n-Hexatriacontane (C36)	20.503	8179229	91.517 ug/ml
21) T	n-Octatriacontane (C38)	21.258	7421499	92.136 ug/ml
22) T	n-Tetracontane (C40)	22.208	6889345	93.435 ug/ml

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

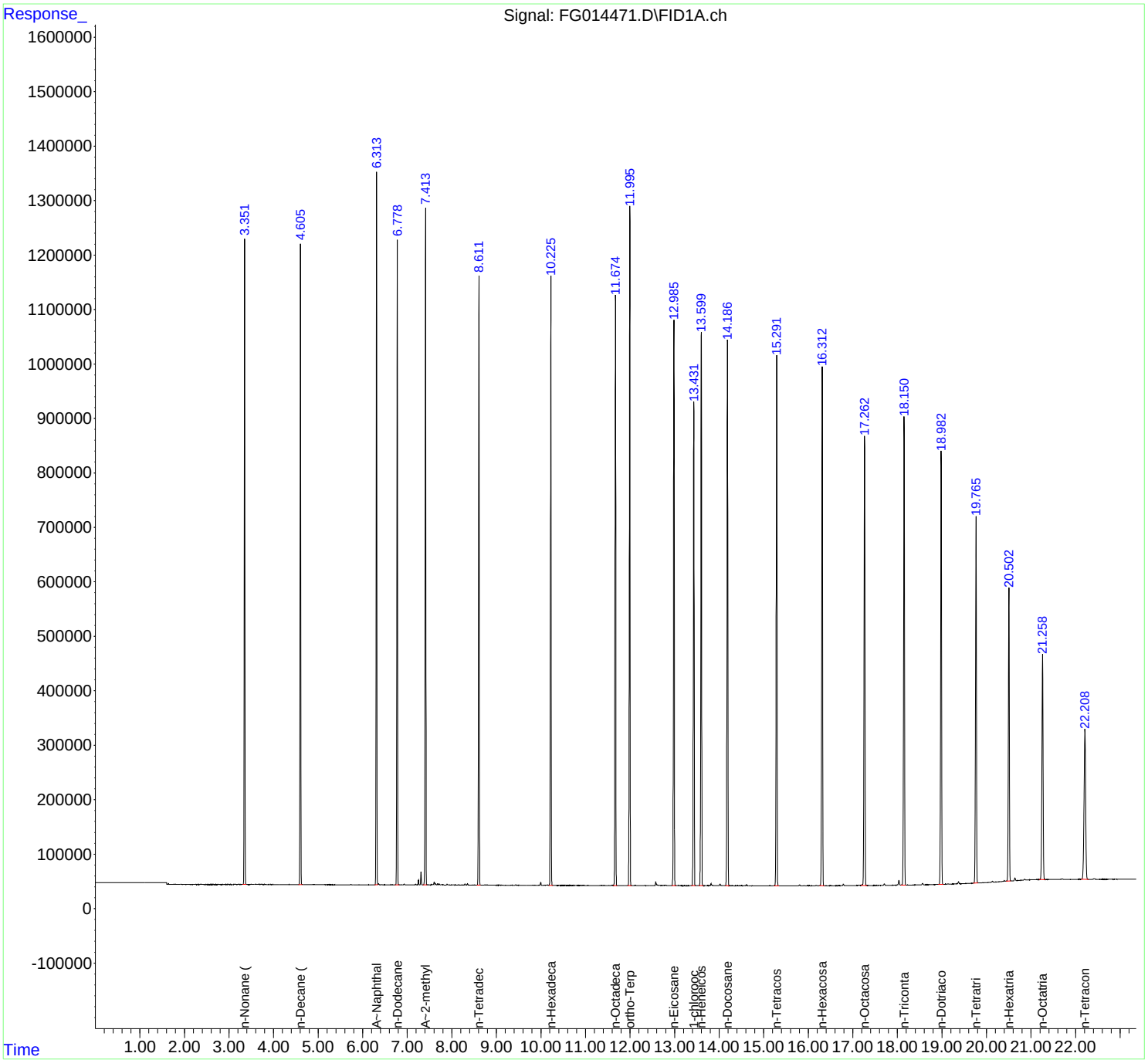
Quantitation Report (QT Reviewed)

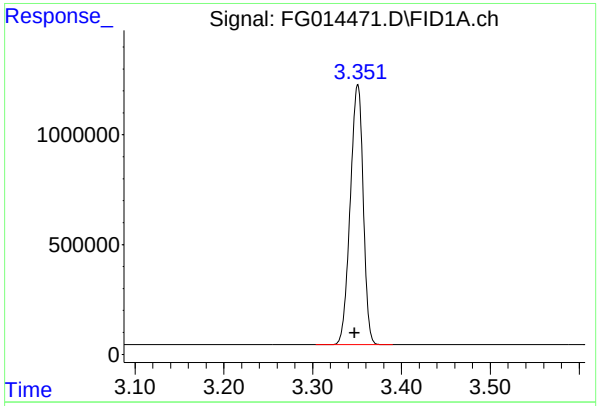
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014471.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 00:58
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 22 06:45:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

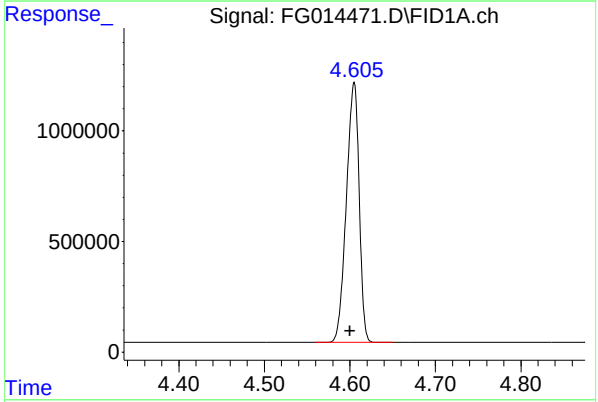




#1 n-Nonane (C9)

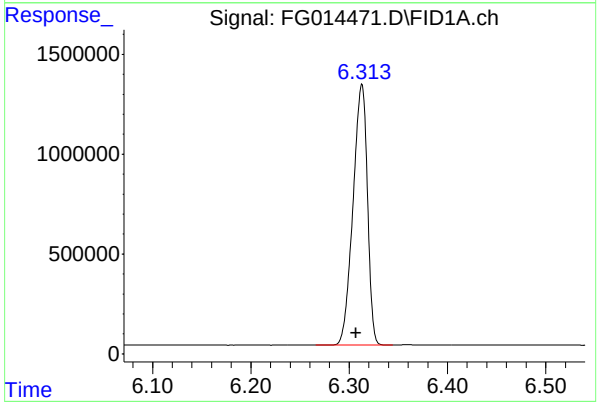
R.T.: 3.351 min
Delta R.T.: 0.004 min
Response: 12005516
Conc: 93.77 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



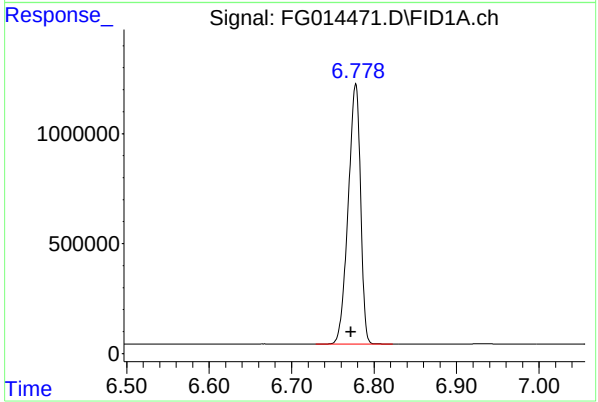
#2 n-Decane (C10)

R.T.: 4.605 min
Delta R.T.: 0.005 min
Response: 12211237
Conc: 93.70 ug/ml



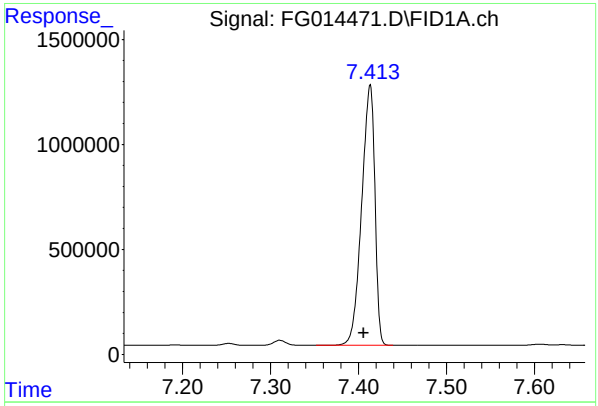
#3 A~Naphthalene (C11.7)

R.T.: 6.313 min
Delta R.T.: 0.006 min
Response: 13297129
Conc: 93.73 ug/ml



#4 n-Dodecane (C12)

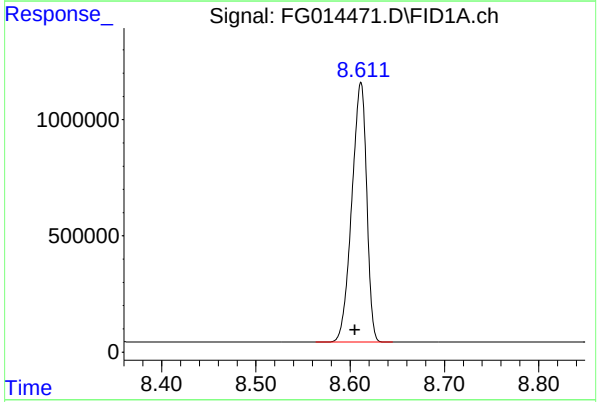
R.T.: 6.778 min
Delta R.T.: 0.006 min
Response: 12299994
Conc: 93.62 ug/ml



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

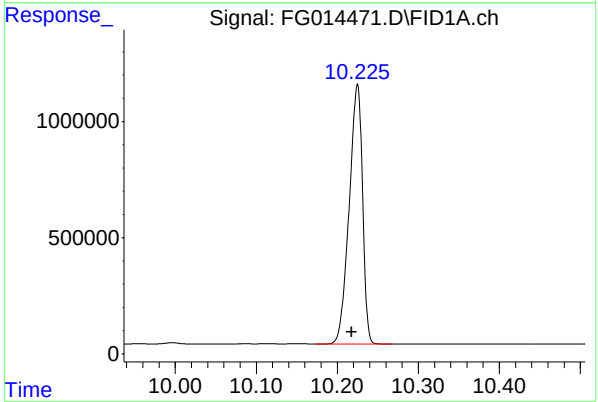
R.T.: 7.413 min
Delta R.T.: 0.007 min
Response: 12932503
Conc: 93.72 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



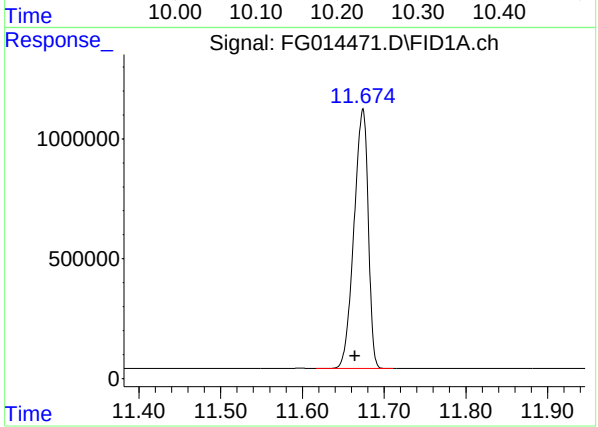
#6 n-Tetradecane (C14)

R.T.: 8.611 min
Delta R.T.: 0.006 min
Response: 12259486
Conc: 93.49 ug/ml



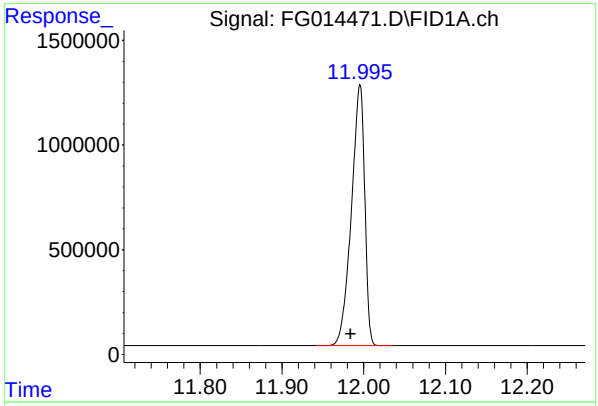
#7 n-Hexadecane (C16)

R.T.: 10.225 min
Delta R.T.: 0.007 min
Response: 12774572
Conc: 93.43 ug/ml



#8 n-Octadecane (C18)

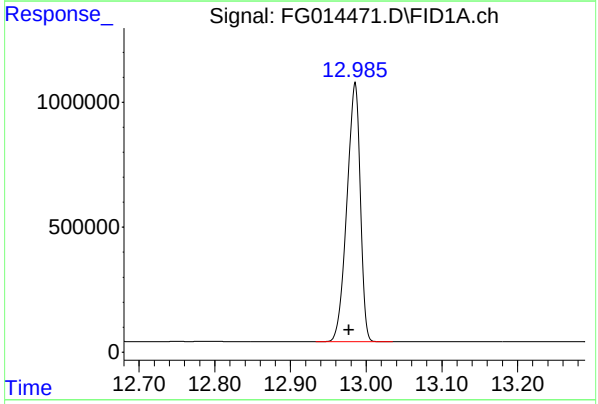
R.T.: 11.674 min
Delta R.T.: 0.010 min
Response: 13078731
Conc: 93.71 ug/ml



#9 ortho-Terphenyl (SURR)

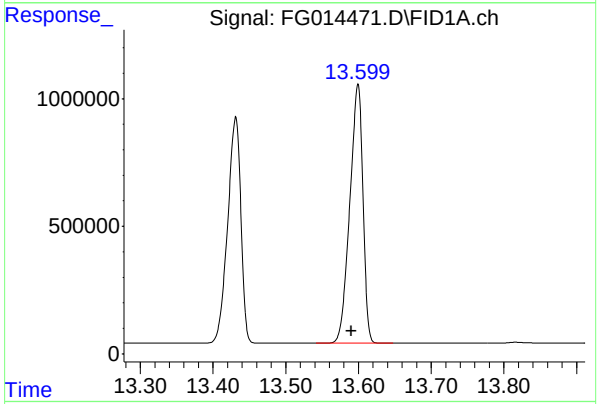
R.T.: 11.996 min
Delta R.T.: 0.011 min
Response: 14096879
Conc: 93.62 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



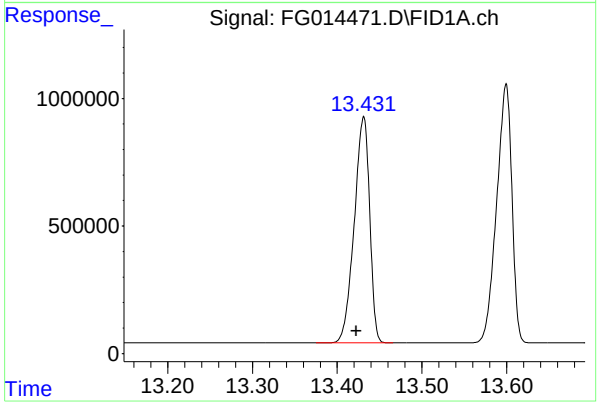
#10 n-Eicosane (C20)

R.T.: 12.985 min
Delta R.T.: 0.008 min
Response: 12806004
Conc: 94.18 ug/ml



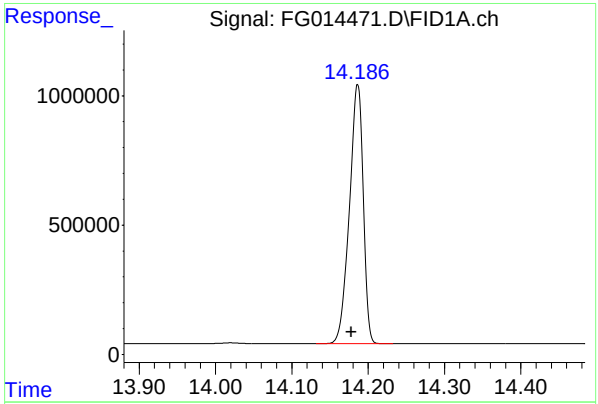
#11 n-Heneicosane (C21)

R.T.: 13.599 min
Delta R.T.: 0.009 min
Response: 12714088
Conc: 94.43 ug/ml



#12 1-chlorooctadecane (SURR)

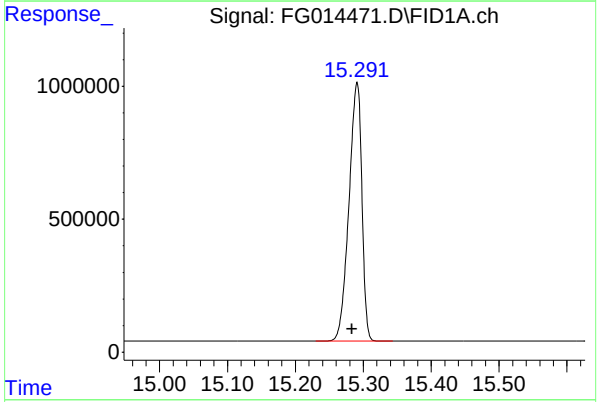
R.T.: 13.431 min
Delta R.T.: 0.009 min
Response: 11193276
Conc: 94.57 ug/ml



#13 n-Docosane (C22)

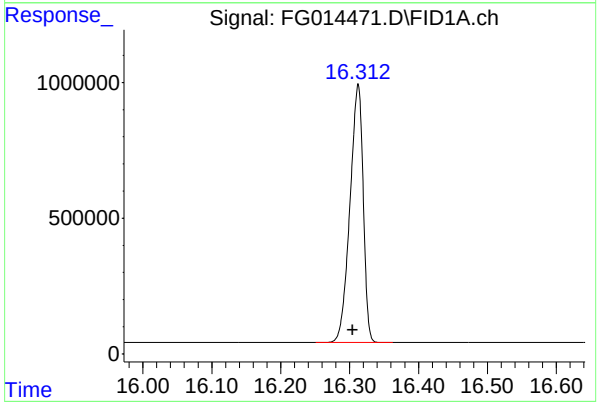
R.T.: 14.186 min
Delta R.T.: 0.008 min
Response: 12763388
Conc: 94.71 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



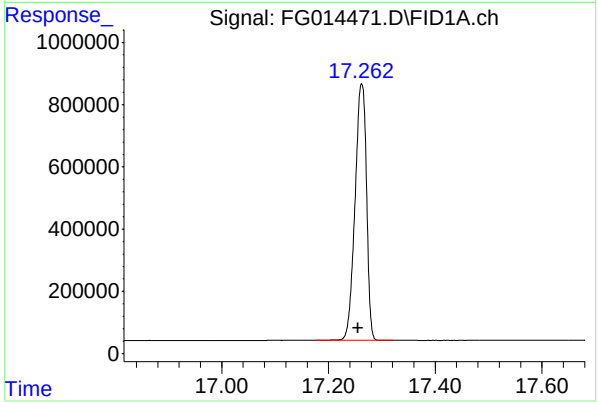
#14 n-Tetracosane (C24)

R.T.: 15.291 min
Delta R.T.: 0.008 min
Response: 12859298
Conc: 94.82 ug/ml



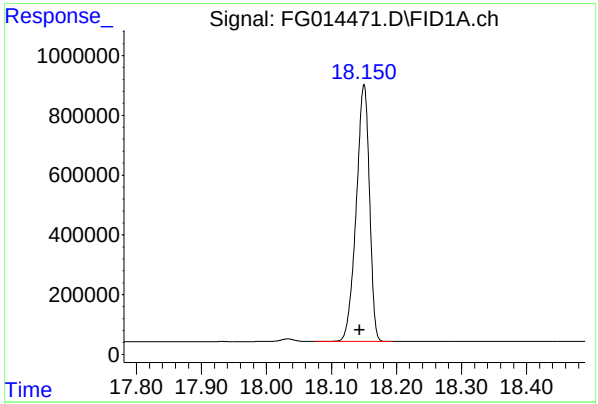
#15 n-Hexacosane (C26)

R.T.: 16.312 min
Delta R.T.: 0.008 min
Response: 12678164
Conc: 94.50 ug/ml



#16 n-Octacosane (C28)

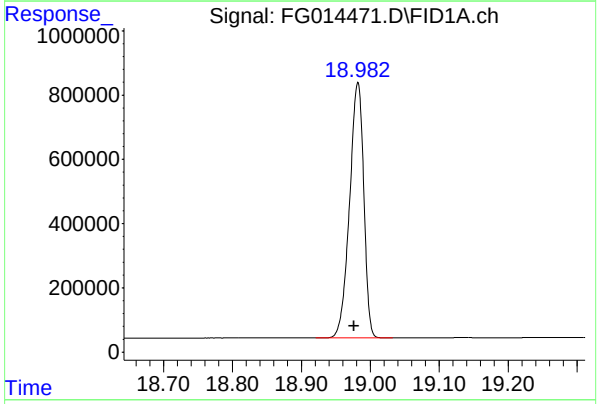
R.T.: 17.262 min
Delta R.T.: 0.007 min
Response: 12314896
Conc: 94.07 ug/ml



#17 n-Tricontane (C30)

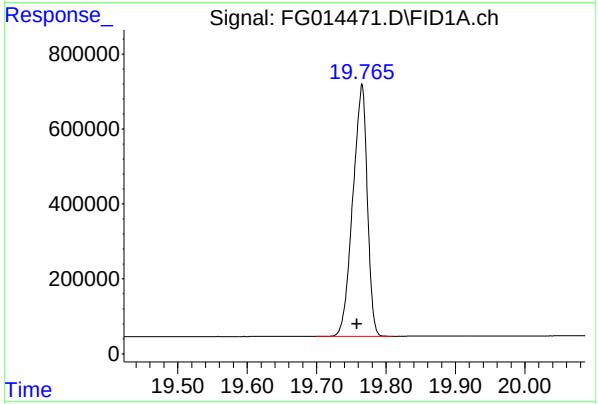
R.T.: 18.150 min
Delta R.T.: 0.007 min
Response: 12163745
Conc: 92.63 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



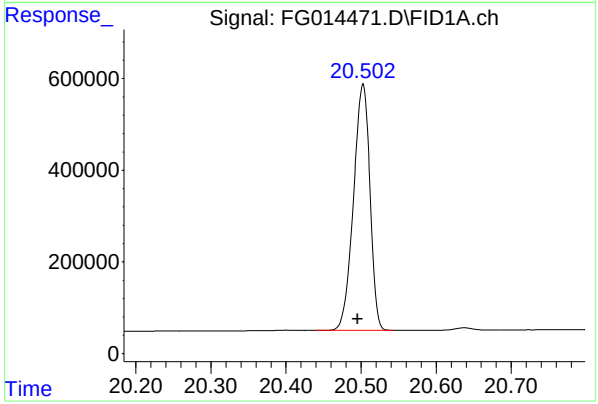
#18 n-Dotriacontane (C32)

R.T.: 18.982 min
Delta R.T.: 0.006 min
Response: 11357092
Conc: 91.57 ug/ml



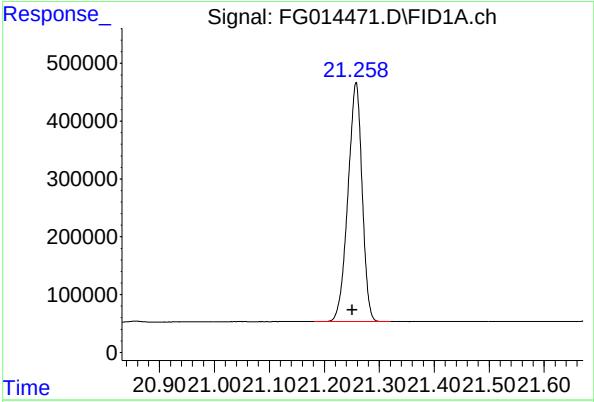
#19 n-Tetratriacontane (C34)

R.T.: 19.765 min
Delta R.T.: 0.007 min
Response: 9726912
Conc: 91.24 ug/ml



#20 n-Hexatriacontane (C36)

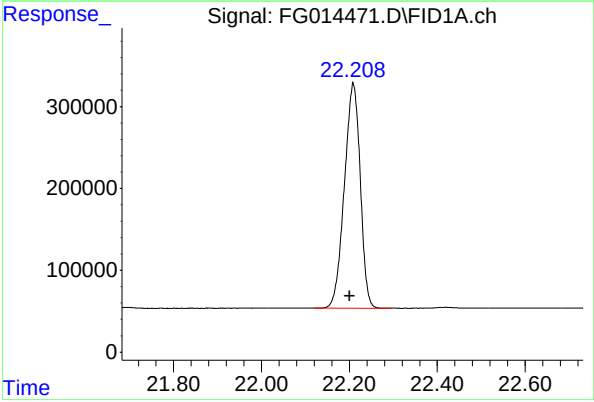
R.T.: 20.503 min
Delta R.T.: 0.007 min
Response: 8179229
Conc: 91.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.258 min
Delta R.T.: 0.007 min
Response: 7421499
Conc: 92.14 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.208 min
Delta R.T.: 0.008 min
Response: 6889345
Conc: 93.44 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014471.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 00:58
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.351	3.303	3.390	BB	1185476	12005516	85.16%	4.653%
2	4.605	4.560	4.650	BB	1176209	12211237	86.62%	4.733%
3	6.313	6.266	6.344	BV	1309217	13297129	94.33%	5.153%
4	6.778	6.729	6.823	BB	1182923	12299994	87.25%	4.767%
5	7.413	7.352	7.439	BB	1241988	12932503	91.74%	5.012%
6	8.611	8.563	8.645	BB	1119288	12259486	86.97%	4.751%
7	10.225	10.173	10.268	BB	1119383	12774572	90.62%	4.951%
8	11.674	11.617	11.711	BB	1084497	13078731	92.78%	5.069%
9	11.996	11.942	12.036	BB	1247833	14096879	100.00%	5.463%
10	12.985	12.933	13.035	BB	1038448	12806004	90.84%	4.963%
11	13.431	13.375	13.466	BB	888548	11193276	79.40%	4.338%
12	13.599	13.542	13.648	BB	1015144	12714088	90.19%	4.928%
13	14.186	14.132	14.233	BB	1001218	12763388	90.54%	4.947%
14	15.291	15.230	15.343	BB	973643	12859298	91.22%	4.984%
15	16.312	16.251	16.363	BB	953993	12678164	89.94%	4.914%
16	17.262	17.177	17.321	BB	824359	12314896	87.36%	4.773%
17	18.150	18.076	18.194	BB	859978	12163745	86.29%	4.714%
18	18.982	18.921	19.033	BB	796512	11357092	80.56%	4.402%
19	19.765	19.699	19.810	BB	672812	9726912	69.00%	3.770%
20	20.503	20.440	20.543	BB	538134	8179229	58.02%	3.170%
21	21.258	21.181	21.321	BB	413466	7421499	52.65%	2.876%
22	22.208	22.119	22.294	BB	275902	6889345	48.87%	2.670%

Sum of corrected areas: 258022983

Aliphatic EPH 102124.M Tue Oct 22 07:01:07 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014472.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 01:27
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 22 06:46:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 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)	11.989	7260434	48.218 ug/ml
Spiked Amount	50.000		Recovery =	96.44%
12)	S 1-chlorooctadecane (S...	13.425	5665784	47.868 ug/ml
Spiked Amount	50.000		Recovery =	95.74%
	Target Compounds			
1)	T n-Nonane (C9)	3.349	6169208	48.183 ug/ml
2)	T n-Decane (C10)	4.602	6286182	48.236 ug/ml
3)	T A~Naphthalene (C11.7)	6.309	6845029	48.252 ug/ml
4)	T n-Dodecane (C12)	6.775	6345329	48.295 ug/ml
5)	T A~2-methylnaphthalene...	7.409	6664452	48.296 ug/ml
6)	T n-Tetradecane (C14)	8.608	6341985	48.363 ug/ml
7)	T n-Hexadecane (C16)	10.220	6605921	48.313 ug/ml
8)	T n-Octadecane (C18)	11.669	6719146	48.144 ug/ml
10)	T n-Eicosane (C20)	12.981	6504780	47.837 ug/ml
11)	T n-Heneicosane (C21)	13.594	6420860	47.687 ug/ml
13)	T n-Docosane (C22)	14.182	6406625	47.538 ug/ml
14)	T n-Tetracosane (C24)	15.286	6399137	47.183 ug/ml
15)	T n-Hexacosane (C26)	16.308	6288375	46.872 ug/ml
16)	T n-Octacosane (C28)	17.258	6123374	46.776 ug/ml
17)	T n-Tricontane (C30)	18.145	6091573	46.390 ug/ml
18)	T n-Dotriacontane (C32)	18.976	5740523	46.284 ug/ml
19)	T n-Tetratriacontane (C34)	19.760	4948743	46.418 ug/ml
20)	T n-Hexatriacontane (C36)	20.498	4174095	46.704 ug/ml
21)	T n-Octatriacontane (C38)	21.254	3800327	47.180 ug/ml
22)	T n-Tetracontane (C40)	22.202	3520824	47.751 ug/ml

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

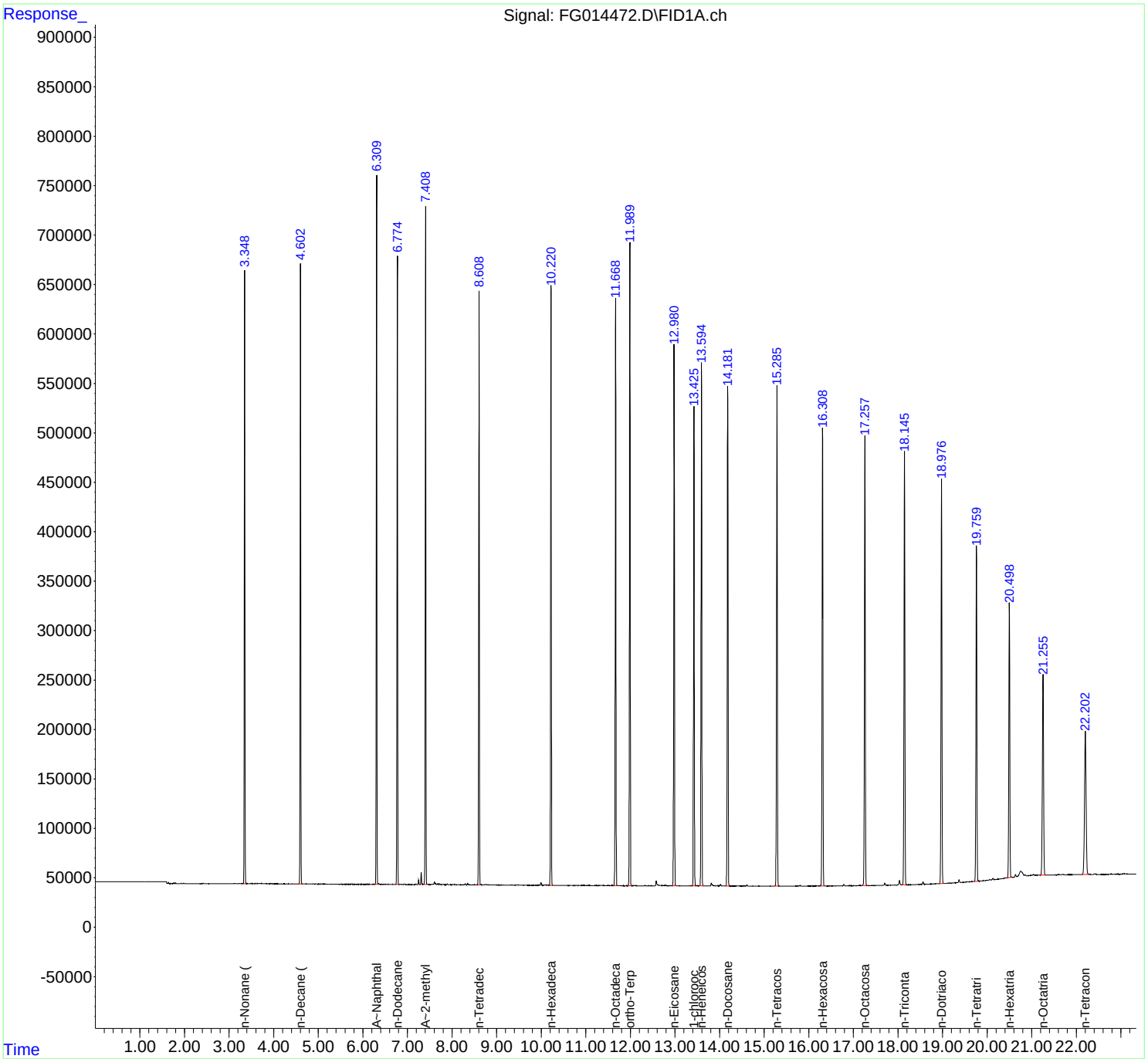
Quantitation Report (QT Reviewed)

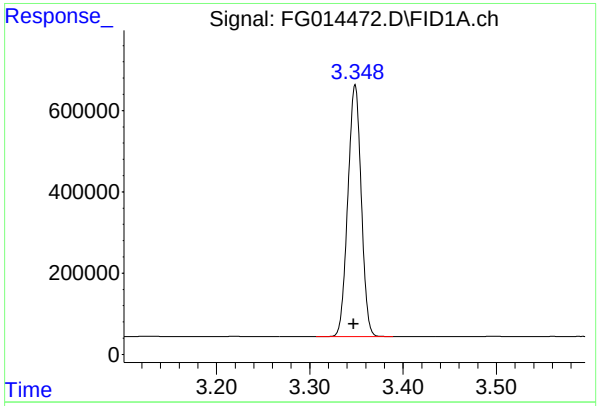
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014472.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 01:27
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 22 06:46:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

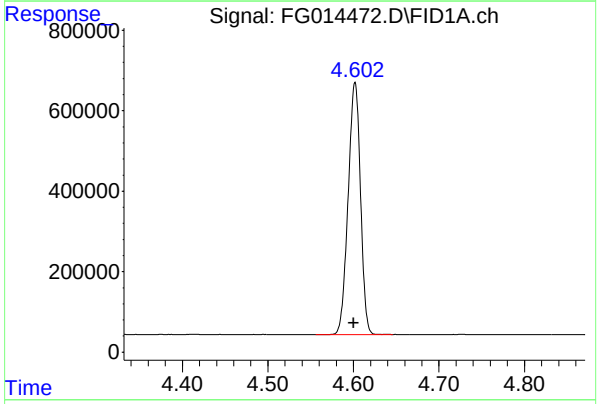




#1 n-Nonane (C9)

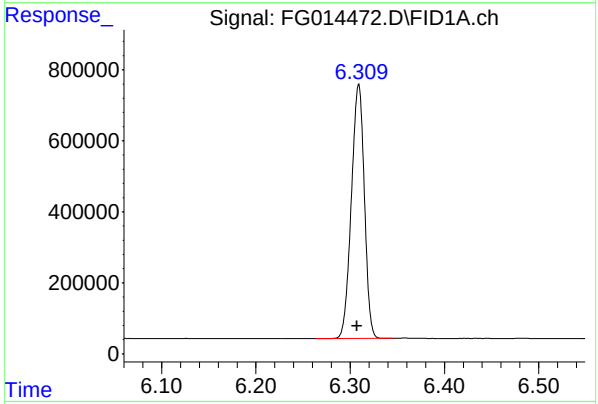
R.T.: 3.349 min
Delta R.T.: 0.002 min
Response: 6169208
Conc: 48.18 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



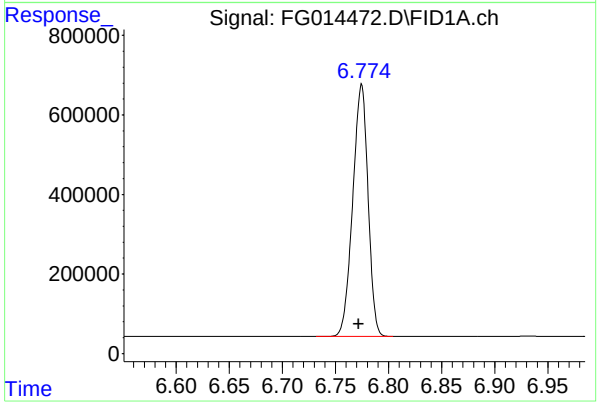
#2 n-Decane (C10)

R.T.: 4.602 min
Delta R.T.: 0.002 min
Response: 6286182
Conc: 48.24 ug/ml



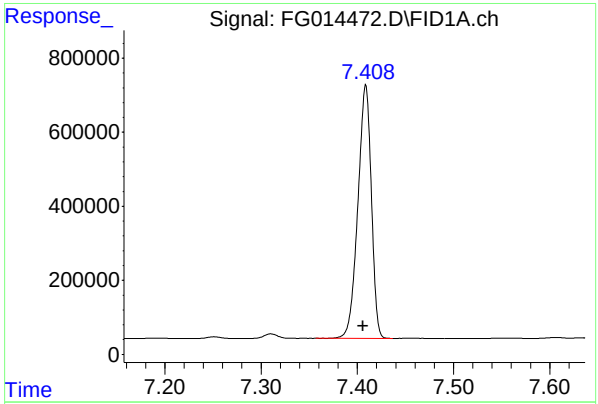
#3 A~Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.002 min
Response: 6845029
Conc: 48.25 ug/ml



#4 n-Dodecane (C12)

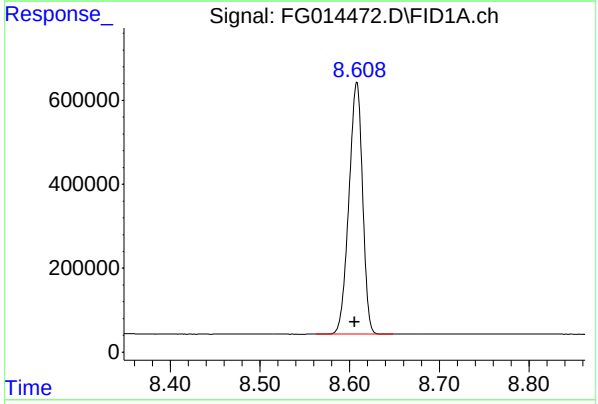
R.T.: 6.775 min
Delta R.T.: 0.003 min
Response: 6345329
Conc: 48.29 ug/ml



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

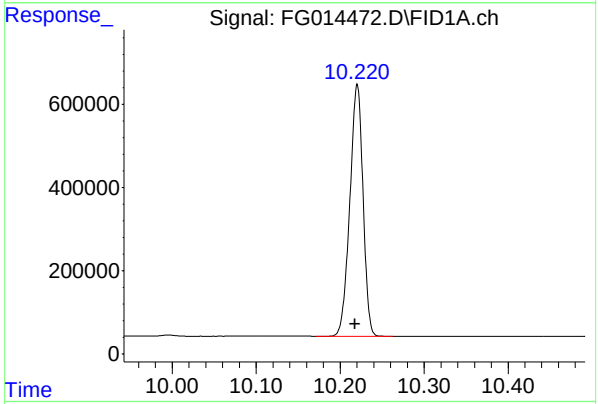
R.T.: 7.409 min
Delta R.T.: 0.003 min
Response: 6664452
Conc: 48.30 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



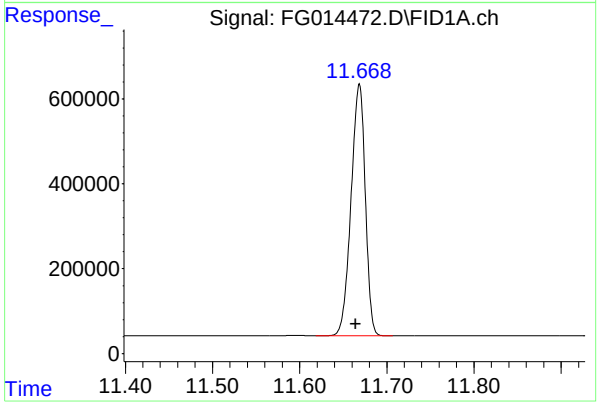
#6 n-Tetradecane (C14)

R.T.: 8.608 min
Delta R.T.: 0.003 min
Response: 6341985
Conc: 48.36 ug/ml



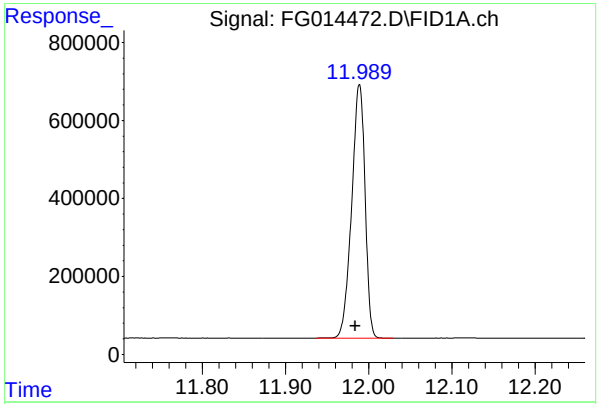
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: 0.003 min
Response: 6605921
Conc: 48.31 ug/ml



#8 n-Octadecane (C18)

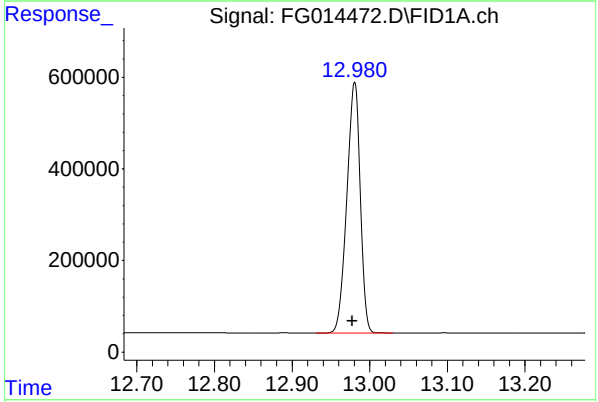
R.T.: 11.669 min
Delta R.T.: 0.004 min
Response: 6719146
Conc: 48.14 ug/ml



#9 ortho-Terphenyl (SURR)

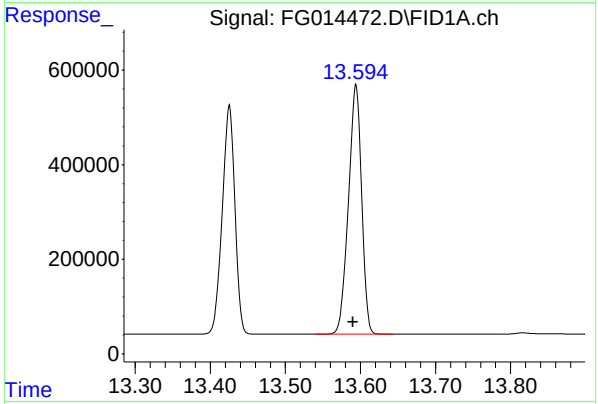
R.T.: 11.989 min
Delta R.T.: 0.005 min
Response: 7260434
Conc: 48.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



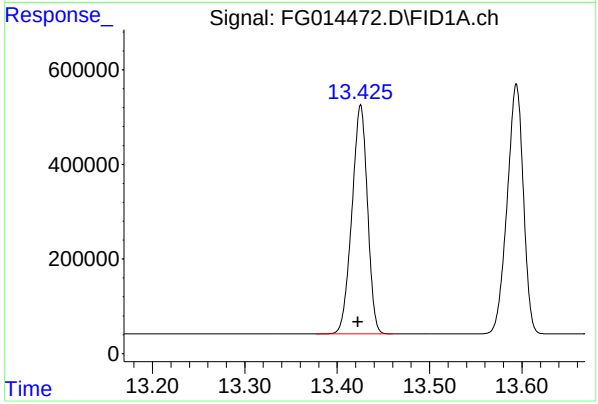
#10 n-Eicosane (C20)

R.T.: 12.981 min
Delta R.T.: 0.003 min
Response: 6504780
Conc: 47.84 ug/ml



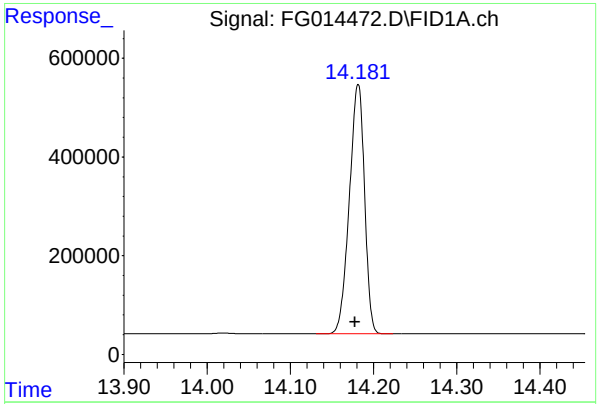
#11 n-Heneicosane (C21)

R.T.: 13.594 min
Delta R.T.: 0.004 min
Response: 6420860
Conc: 47.69 ug/ml



#12 1-chlorooctadecane (SURR)

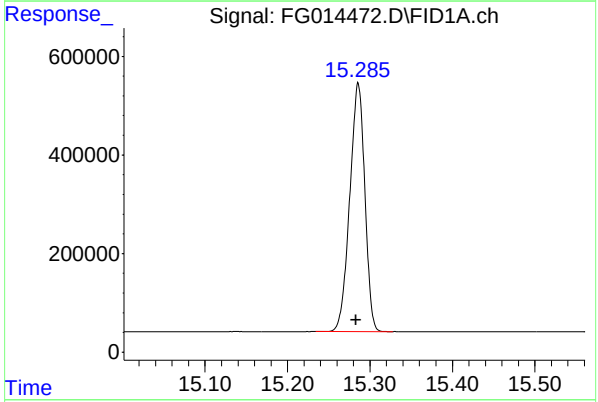
R.T.: 13.425 min
Delta R.T.: 0.003 min
Response: 5665784
Conc: 47.87 ug/ml



#13 n-Docosane (C22)

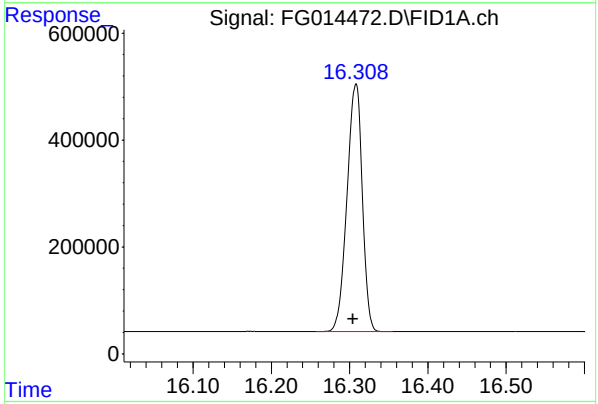
R.T.: 14.182 min
Delta R.T.: 0.004 min
Response: 6406625
Conc: 47.54 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



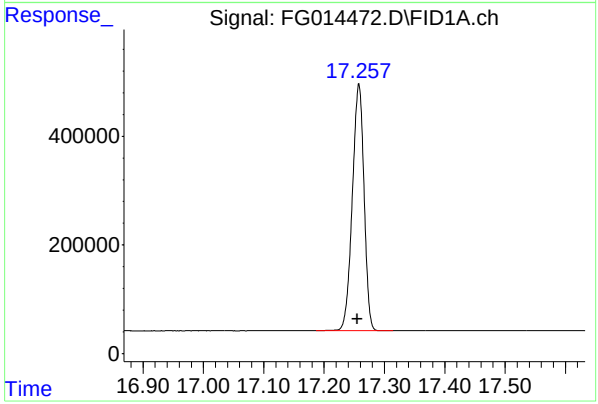
#14 n-Tetracosane (C24)

R.T.: 15.286 min
Delta R.T.: 0.002 min
Response: 6399137
Conc: 47.18 ug/ml



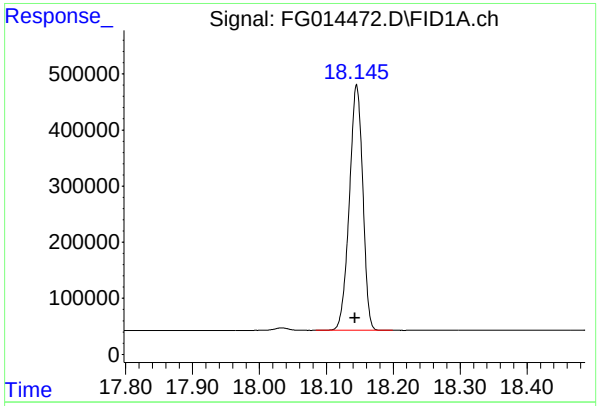
#15 n-Hexacosane (C26)

R.T.: 16.308 min
Delta R.T.: 0.004 min
Response: 6288375
Conc: 46.87 ug/ml



#16 n-Octacosane (C28)

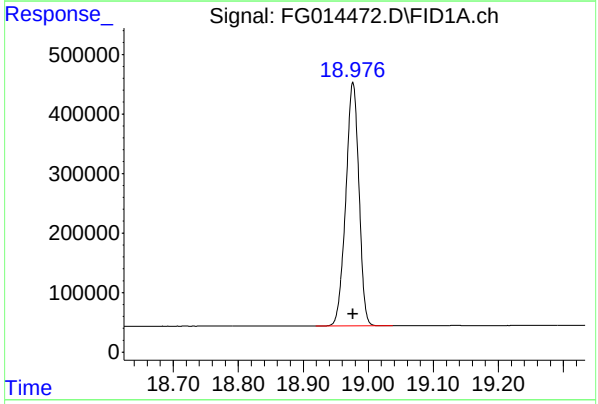
R.T.: 17.258 min
Delta R.T.: 0.003 min
Response: 6123374
Conc: 46.78 ug/ml



#17 n-Tricontane (C30)

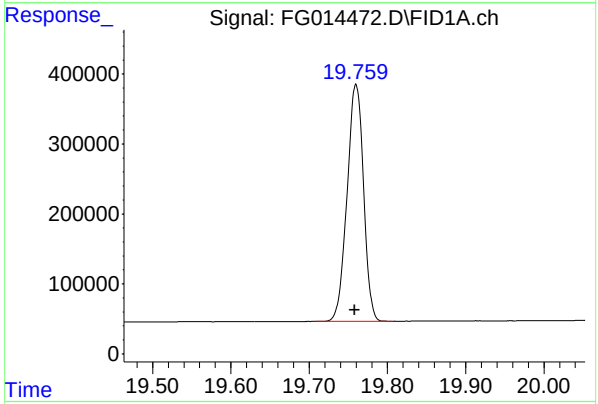
R.T.: 18.145 min
Delta R.T.: 0.002 min
Response: 6091573
Conc: 46.39 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



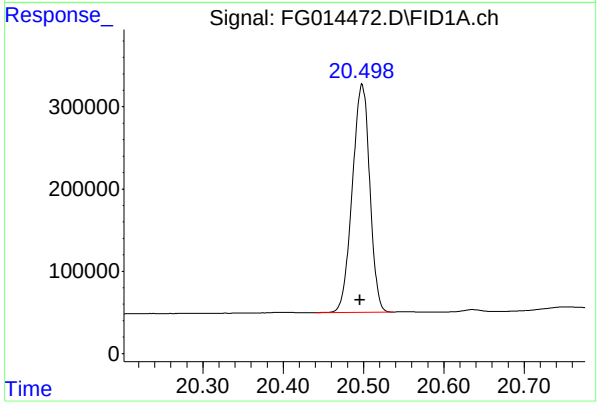
#18 n-Dotriacontane (C32)

R.T.: 18.976 min
Delta R.T.: 0.000 min
Response: 5740523
Conc: 46.28 ug/ml



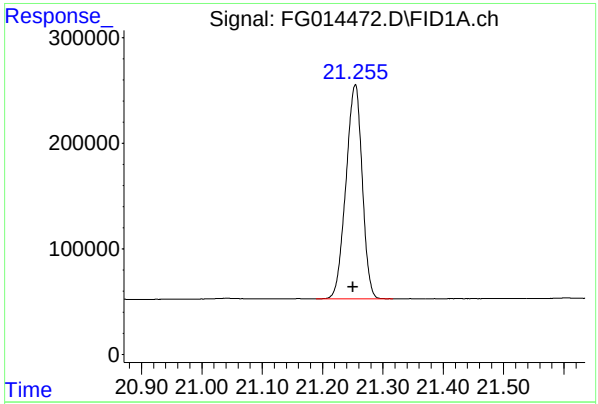
#19 n-Tetratriacontane (C34)

R.T.: 19.760 min
Delta R.T.: 0.001 min
Response: 4948743
Conc: 46.42 ug/ml



#20 n-Hexatriacontane (C36)

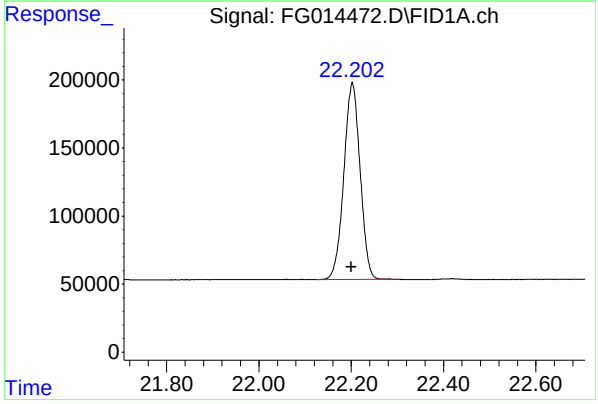
R.T.: 20.498 min
Delta R.T.: 0.003 min
Response: 4174095
Conc: 46.70 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.254 min
Delta R.T.: 0.004 min
Response: 3800327
Conc: 47.18 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.202 min
Delta R.T.: 0.002 min
Response: 3520824
Conc: 47.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014472.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 01:27
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.349	3.307	3.389	BB	619498	6169208	84.97%	4.698%
2	4.602	4.556	4.646	BB	626486	6286182	86.58%	4.787%
3	6.309	6.263	6.345	BV	717071	6845029	94.28%	5.212%
4	6.775	6.732	6.804	BB	634433	6345329	87.40%	4.832%
5	7.409	7.357	7.437	BB	685233	6664452	91.79%	5.075%
6	8.608	8.563	8.648	BB	600970	6341985	87.35%	4.829%
7	10.220	10.171	10.263	BB	606000	6605921	90.99%	5.030%
8	11.669	11.618	11.707	BB	593631	6719146	92.54%	5.117%
9	11.989	11.937	12.029	BB	651020	7260434	100.00%	5.529%
10	12.981	12.931	13.030	BB	547617	6504780	89.59%	4.953%
11	13.425	13.377	13.460	BB	485033	5665784	78.04%	4.314%
12	13.594	13.541	13.643	BB	528756	6420860	88.44%	4.889%
13	14.182	14.131	14.223	BB	505578	6406625	88.24%	4.879%
14	15.286	15.234	15.328	BB	505435	6399137	88.14%	4.873%
15	16.308	16.257	16.355	BB	463530	6288375	86.61%	4.788%
16	17.258	17.187	17.314	BB	454861	6123374	84.34%	4.663%
17	18.145	18.084	18.199	BB	438139	6091573	83.90%	4.639%
18	18.976	18.919	19.038	BB	408834	5740523	79.07%	4.371%
19	19.760	19.708	19.807	BB	338890	4948743	68.16%	3.768%
20	20.498	20.441	20.537	BB	277470	4174095	57.49%	3.179%
21	21.254	21.189	21.317	BB	202908	3800327	52.34%	2.894%
22	22.202	22.123	22.290	BB	144741	3520824	48.49%	2.681%
			Sum of corrected areas:			131322706		

Aliphatic EPH 102124.M Tue Oct 22 07:01:31 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014473.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 01:56
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 22 06:46:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 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)	11.984	3011490	20.000 ug/ml
	Spiked Amount 50.000		Recovery = 40.00%	
12)	S 1-chlorooctadecane (S...	13.423	2367257	20.000 ug/ml
	Spiked Amount 50.000		Recovery = 40.00%	
	Target Compounds			
1)	T n-Nonane (C9)	3.347	2560741	20.000 ug/ml
2)	T n-Decane (C10)	4.600	2606448	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.307	2837209	20.000 ug/ml
4)	T n-Dodecane (C12)	6.772	2627755	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.406	2759851	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.605	2622642	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.218	2734646	20.000 ug/ml
8)	T n-Octadecane (C18)	11.665	2791285	20.000 ug/ml
10)	T n-Eicosane (C20)	12.977	2719538	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.590	2692898	20.000 ug/ml
13)	T n-Docosane (C22)	14.178	2695364	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.283	2712448	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.304	2683219	20.000 ug/ml
16)	T n-Octacosane (C28)	17.255	2618153	20.000 ug/ml
17)	T n-Tricontane (C30)	18.143	2626243	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.976	2480578	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.759	2132240	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.495	1787469	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.250	1610992	20.000 ug/ml
22)	T n-Tetracontane (C40)	22.200	1474675	20.000 ug/ml

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

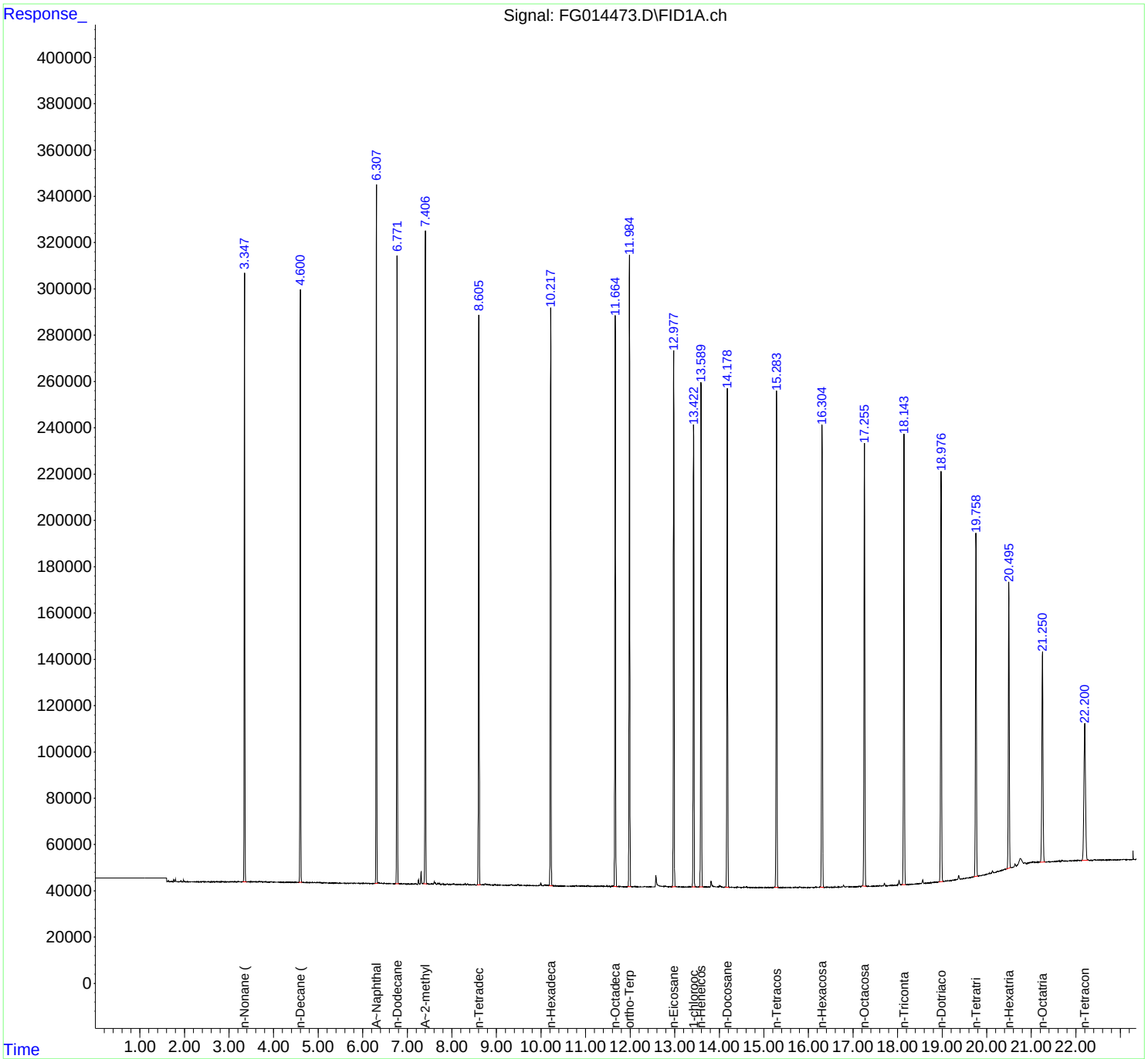
Quantitation Report (QT Reviewed)

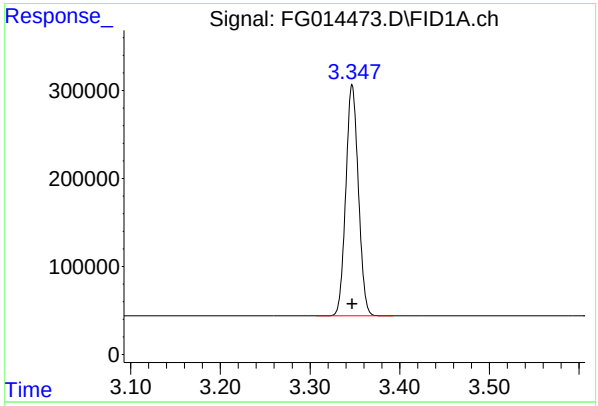
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014473.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 01:56
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 22 06:46:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

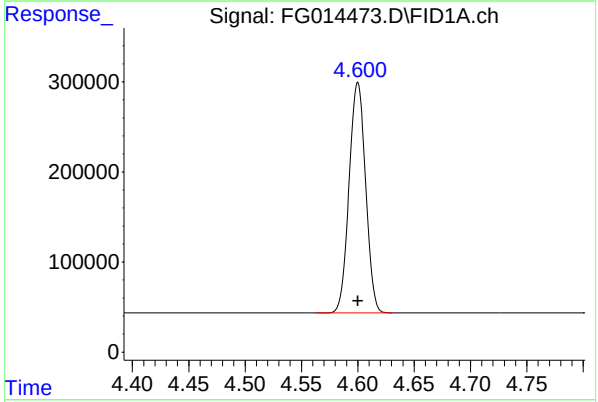




#1 n-Nonane (C9)

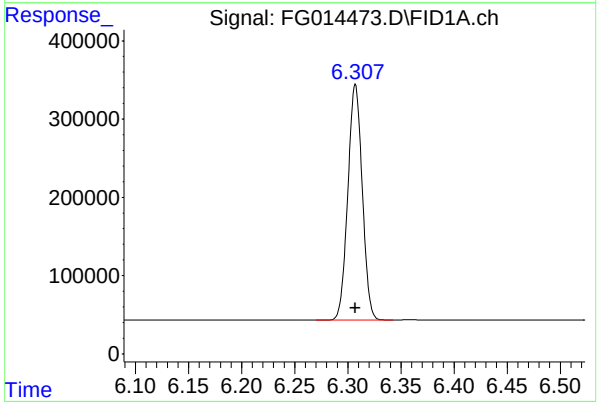
R.T.: 3.347 min
Delta R.T.: 0.000 min
Response: 2560741
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



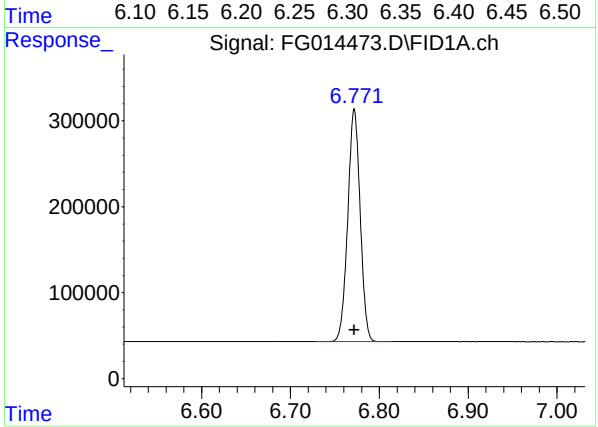
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: 0.000 min
Response: 2606448
Conc: 20.00 ug/ml



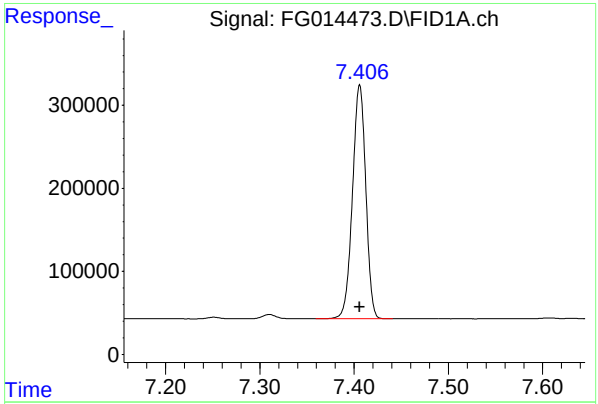
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 2837209
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

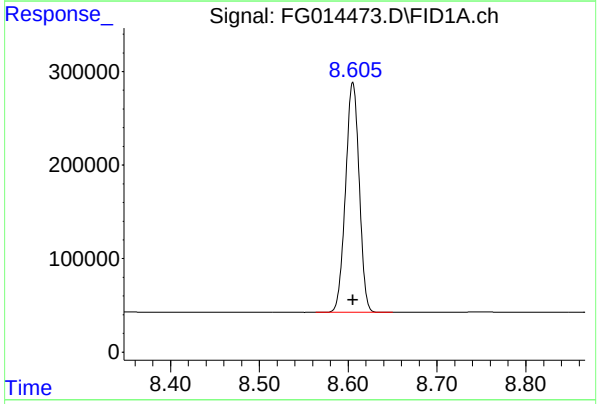
R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2627755
Conc: 20.00 ug/ml



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

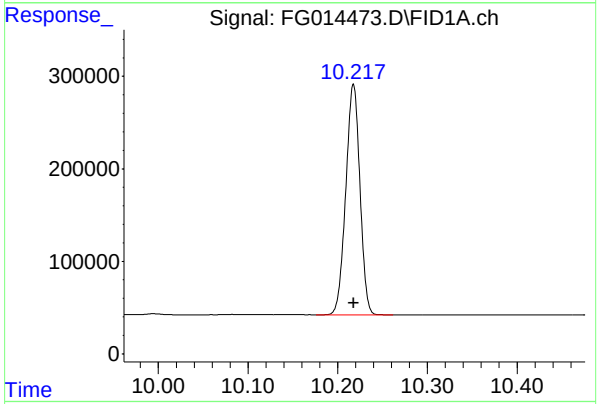
R.T.: 7.406 min
Delta R.T.: 0.000 min
Response: 2759851
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



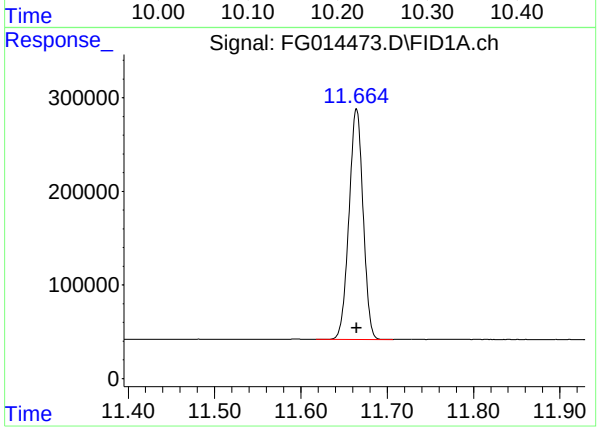
#6 n-Tetradecane (C14)

R.T.: 8.605 min
Delta R.T.: 0.000 min
Response: 2622642
Conc: 20.00 ug/ml



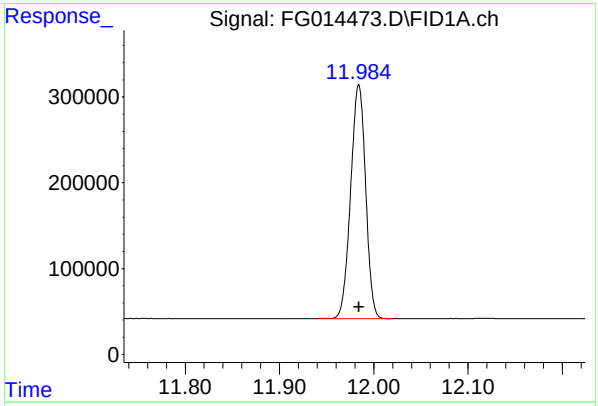
#7 n-Hexadecane (C16)

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 2734646
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

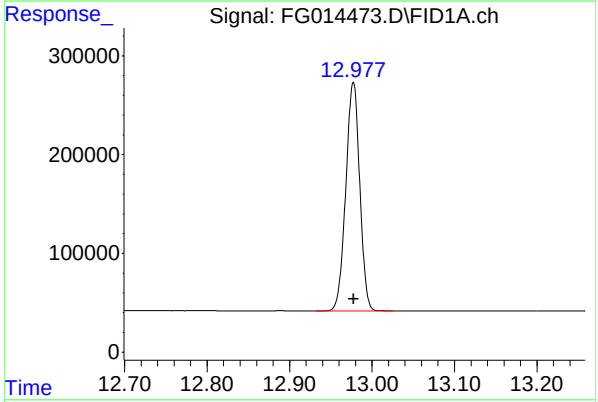
R.T.: 11.665 min
Delta R.T.: 0.000 min
Response: 2791285
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

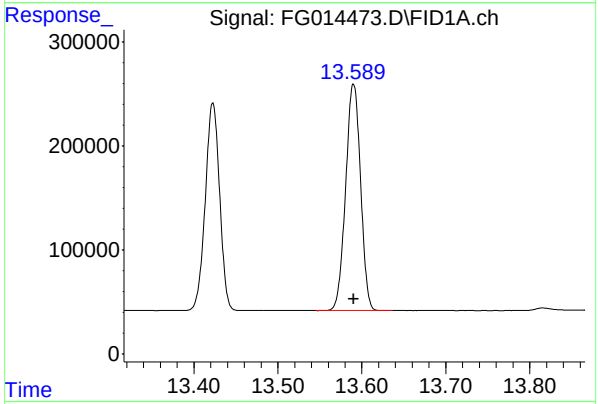
R.T.: 11.984 min
Delta R.T.: 0.000 min
Response: 3011490
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



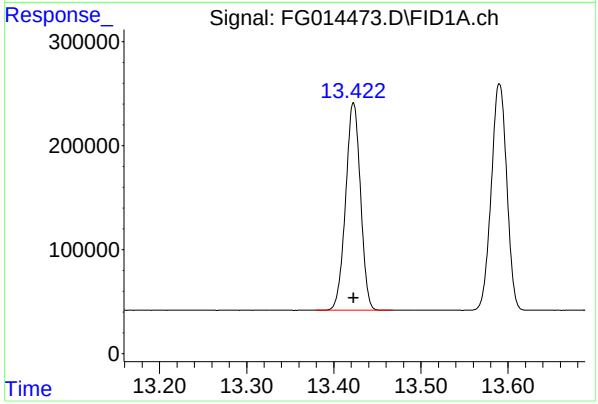
#10 n-Eicosane (C20)

R.T.: 12.977 min
Delta R.T.: 0.000 min
Response: 2719538
Conc: 20.00 ug/ml



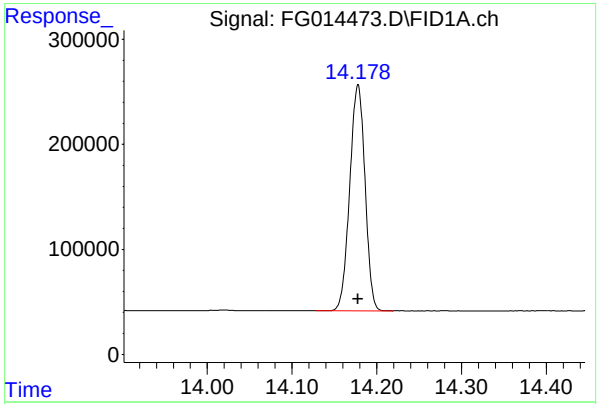
#11 n-Heneicosane (C21)

R.T.: 13.590 min
Delta R.T.: 0.000 min
Response: 2692898
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

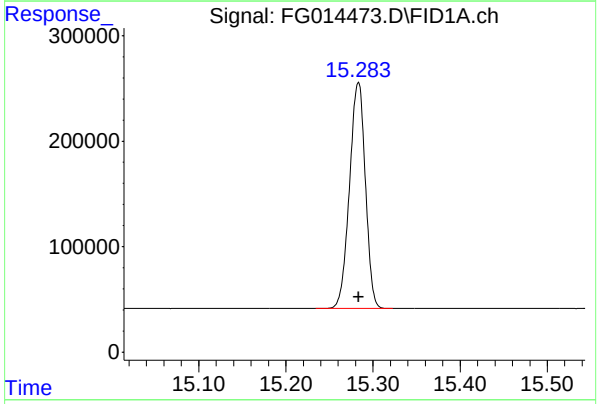
R.T.: 13.423 min
Delta R.T.: 0.000 min
Response: 2367257
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

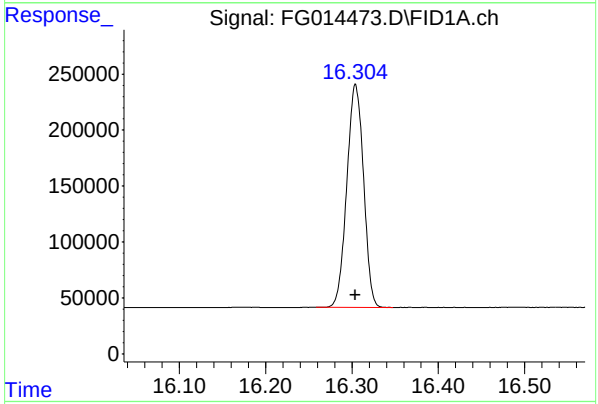
R.T.: 14.178 min
Delta R.T.: 0.000 min
Response: 2695364
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



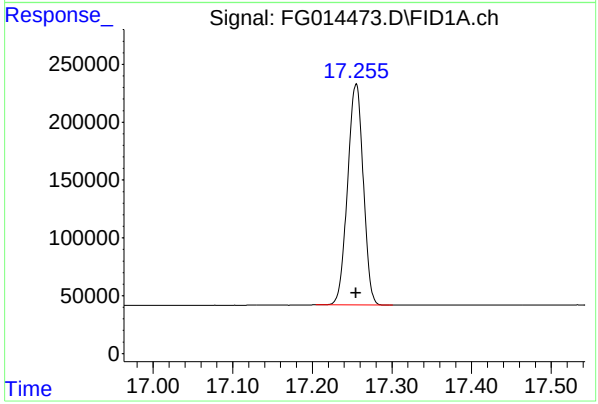
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: 0.000 min
Response: 2712448
Conc: 20.00 ug/ml



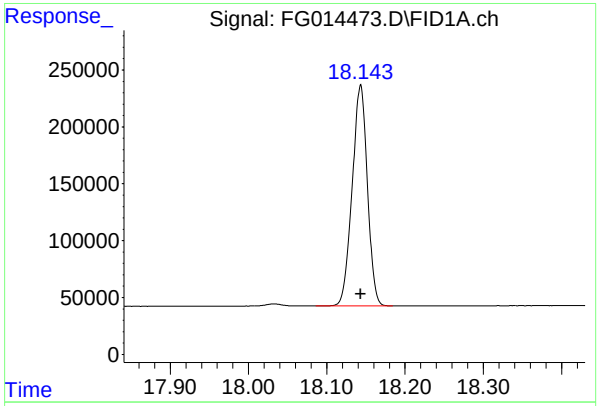
#15 n-Hexacosane (C26)

R.T.: 16.304 min
Delta R.T.: 0.000 min
Response: 2683219
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

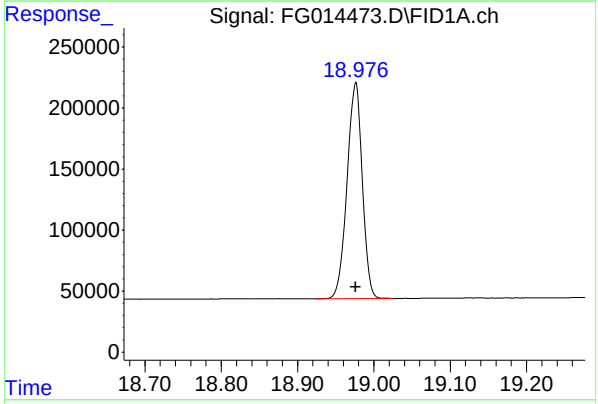
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 2618153
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

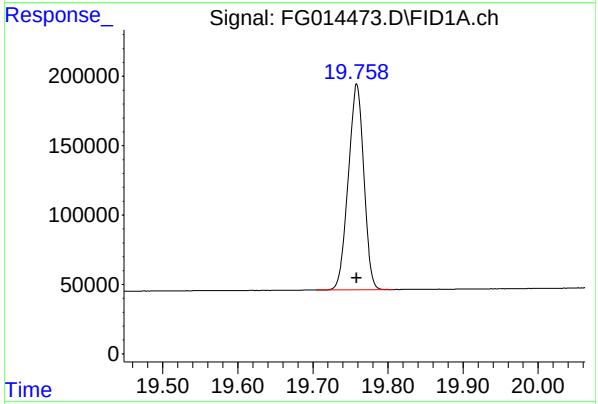
R.T.: 18.143 min
Delta R.T.: 0.000 min
Response: 2626243
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



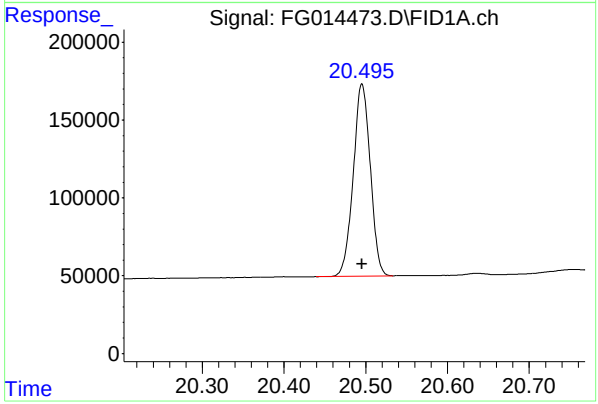
#18 n-Dotriacontane (C32)

R.T.: 18.976 min
Delta R.T.: 0.000 min
Response: 2480578
Conc: 20.00 ug/ml



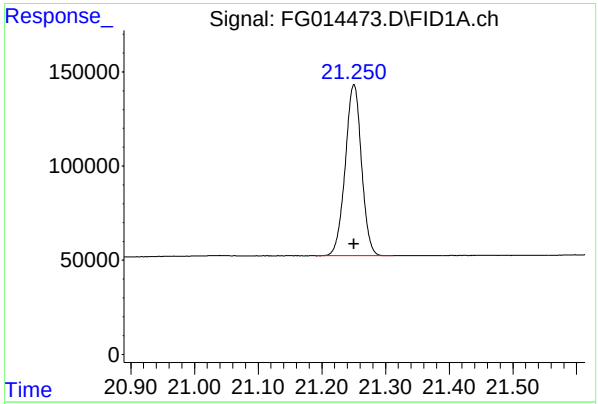
#19 n-Tetratriacontane (C34)

R.T.: 19.759 min
Delta R.T.: 0.000 min
Response: 2132240
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

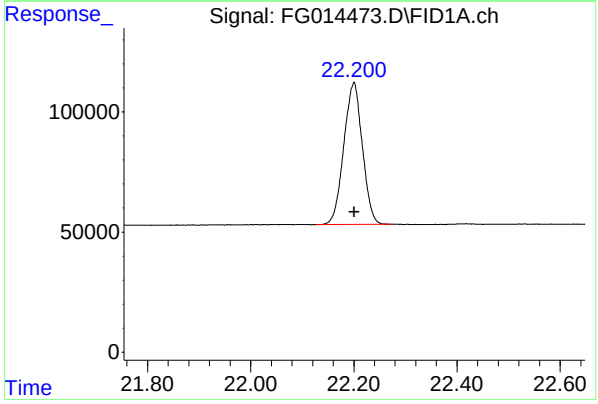
R.T.: 20.495 min
Delta R.T.: 0.000 min
Response: 1787469
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.250 min
Delta R.T.: 0.000 mi
Response: 1610992
Conc: 20.00 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.200 min
Delta R.T.: 0.000 min
Response: 1474675
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014473.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 01:56
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.347	3.307	3.393	BB	262753	2560741	85.03%	4.643%
2	4.600	4.563	4.631	BB	256028	2606448	86.55%	4.726%
3	6.307	6.270	6.343	BB	301568	2837209	94.21%	5.144%
4	6.772	6.728	6.815	BB	271051	2627755	87.26%	4.764%
5	7.406	7.359	7.441	BB	281848	2759851	91.64%	5.004%
6	8.605	8.563	8.650	BB	245959	2622642	87.09%	4.755%
7	10.218	10.176	10.262	BB	249711	2734646	90.81%	4.958%
8	11.665	11.618	11.707	BB	246604	2791285	92.69%	5.061%
9	11.984	11.938	12.020	BB	272892	3011490	100.00%	5.460%
10	12.977	12.932	13.025	BB	231619	2719538	90.31%	4.931%
11	13.423	13.379	13.468	BB	199632	2367257	78.61%	4.292%
12	13.590	13.545	13.637	BB	217751	2692898	89.42%	4.883%
13	14.178	14.128	14.219	BB	215723	2695364	89.50%	4.887%
14	15.283	15.234	15.323	BB	214514	2712448	90.07%	4.918%
15	16.304	16.258	16.348	BB	199833	2683219	89.10%	4.865%
16	17.255	17.204	17.301	BB	191262	2618153	86.94%	4.747%
17	18.143	18.086	18.184	BB	194754	2626243	87.21%	4.762%
18	18.976	18.924	19.025	BB	177336	2480578	82.37%	4.498%
19	19.759	19.704	19.807	BB	148344	2132240	70.80%	3.866%
20	20.495	20.439	20.533	BB	123641	1787469	59.35%	3.241%
21	21.250	21.191	21.312	BB	90908	1610992	53.49%	2.921%
22	22.200	22.127	22.276	BB	59263	1474675	48.97%	2.674%

Sum of corrected areas: 55153140

Aliphatic EPH 102124.M Tue Oct 22 07:01:48 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014474.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 02:25
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 22 06:46:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 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)	11.984	1633149	10.846 ug/ml
Spiked Amount	50.000		Recovery =	21.69%
12)	S 1-chlorooctadecane (S...	13.423	1331752	11.251 ug/ml
Spiked Amount	50.000		Recovery =	22.50%
	Target Compounds			
1)	T n-Nonane (C9)	3.347	1367036	10.677 ug/ml
2)	T n-Decane (C10)	4.600	1389913	10.665 ug/ml
3)	T A~Naphthalene (C11.7)	6.307	1513940	10.672 ug/ml
4)	T n-Dodecane (C12)	6.771	1401341	10.666 ug/ml
5)	T A~2-methylnaphthalene...	7.405	1472351	10.670 ug/ml
6)	T n-Tetradecane (C14)	8.604	1401781	10.690 ug/ml
7)	T n-Hexadecane (C16)	10.217	1476396	10.798 ug/ml
8)	T n-Octadecane (C18)	11.664	1535645	11.003 ug/ml
10)	T n-Eicosane (C20)	12.977	1523610	11.205 ug/ml
11)	T n-Heneicosane (C21)	13.589	1525021	11.326 ug/ml
13)	T n-Docosane (C22)	14.176	1539964	11.427 ug/ml
14)	T n-Tetracosane (C24)	15.283	1573071	11.599 ug/ml
15)	T n-Hexacosane (C26)	16.303	1571293	11.712 ug/ml
16)	T n-Octacosane (C28)	17.254	1545724	11.808 ug/ml
17)	T n-Tricontane (C30)	18.141	1556404	11.853 ug/ml
18)	T n-Dotriacontane (C32)	18.975	1468804	11.842 ug/ml
19)	T n-Tetratriacontane (C34)	19.757	1251076	11.735 ug/ml
20)	T n-Hexatriacontane (C36)	20.496	1031050	11.536 ug/ml
21)	T n-Octatriacontane (C38)	21.251	913333	11.339 ug/ml
22)	T n-Tetracontane (C40)	22.201	828726	11.239 ug/ml

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

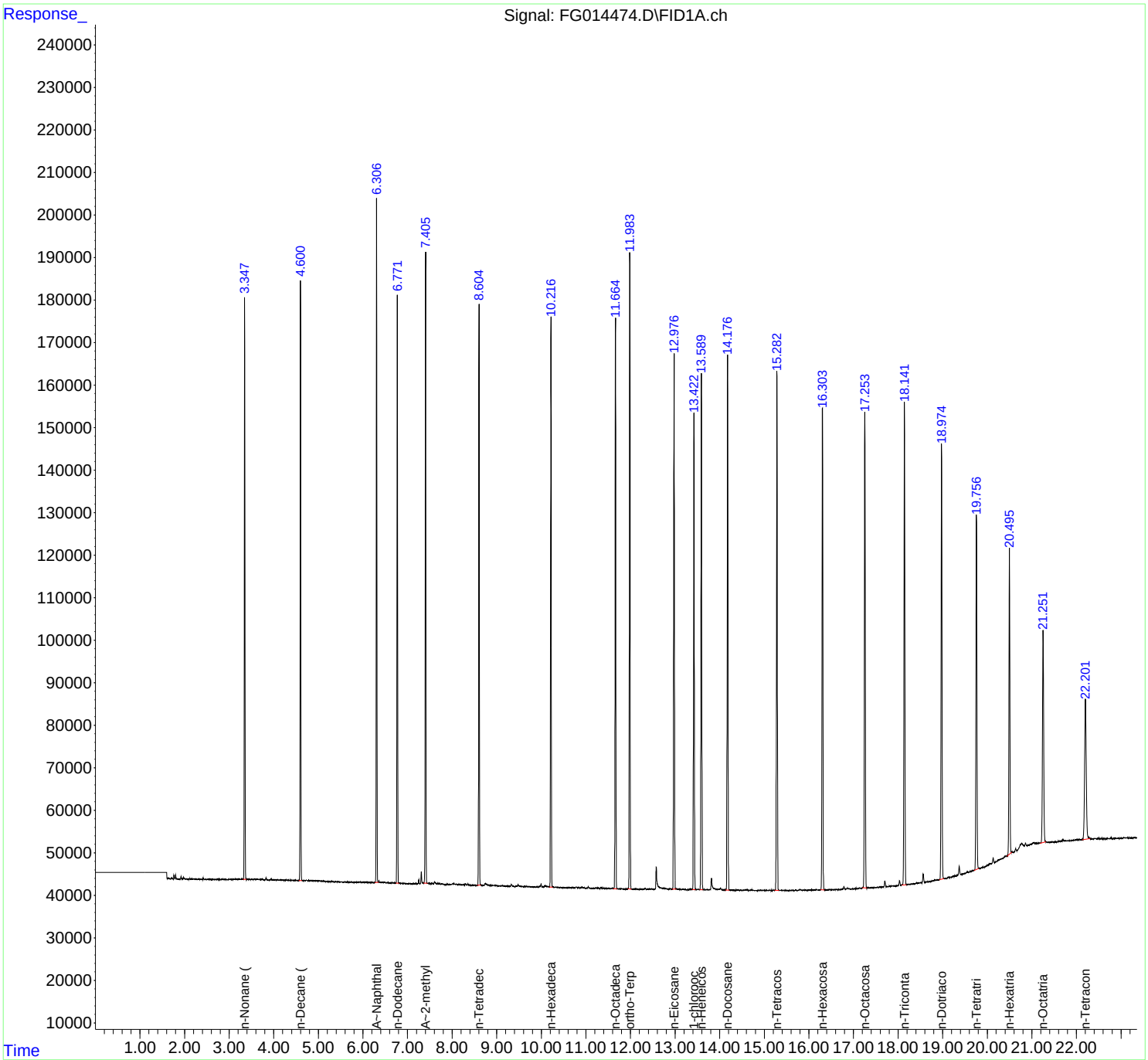
Quantitation Report (QT Reviewed)

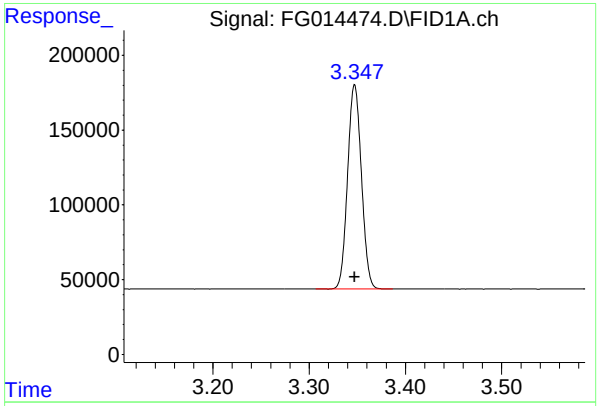
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014474.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 02:25
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 22 06:46:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

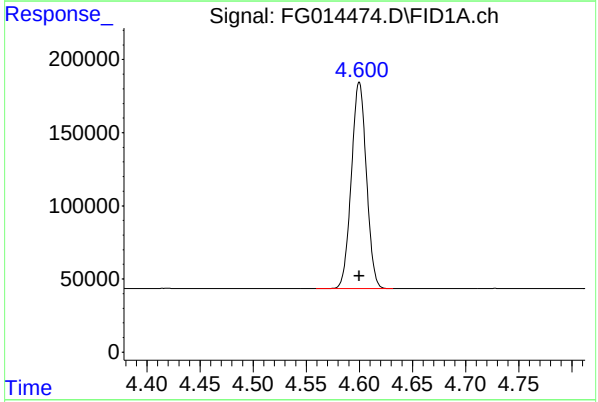




#1 n-Nonane (C9)

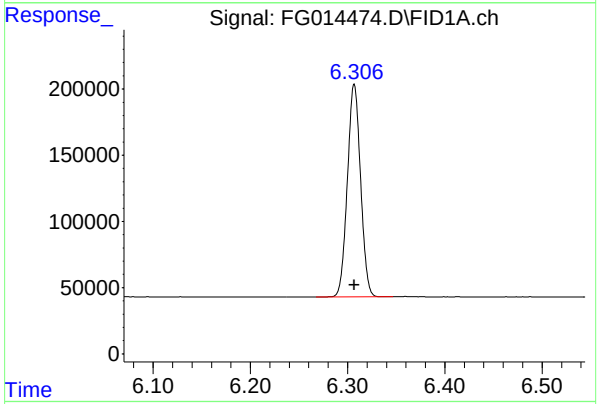
R.T.: 3.347 min
Delta R.T.: 0.000 min
Response: 1367036
Conc: 10.68 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



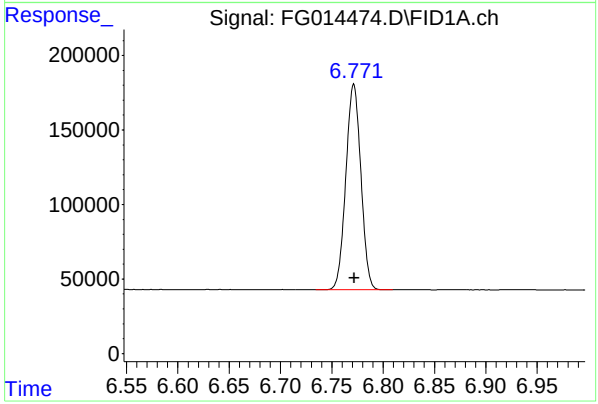
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: 0.000 min
Response: 1389913
Conc: 10.67 ug/ml



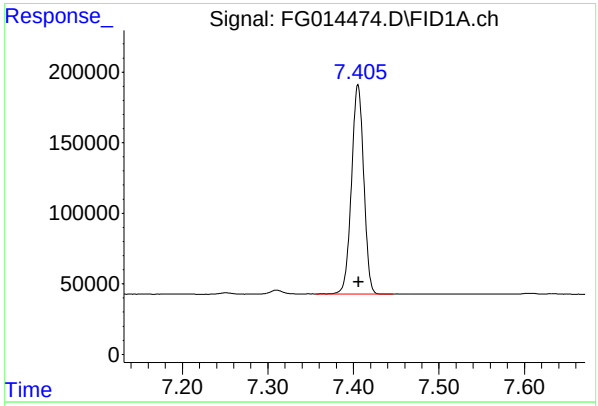
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 1513940
Conc: 10.67 ug/ml



#4 n-Dodecane (C12)

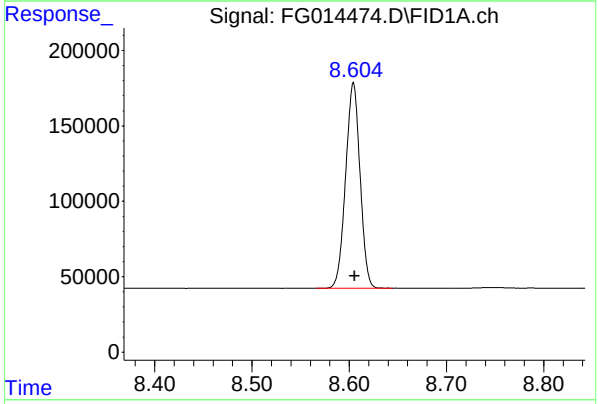
R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 1401341
Conc: 10.67 ug/ml



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

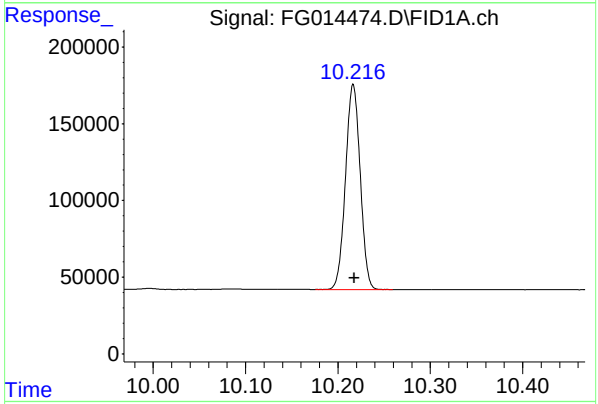
R.T.: 7.405 min
Delta R.T.: 0.000 min
Response: 1472351
Conc: 10.67 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



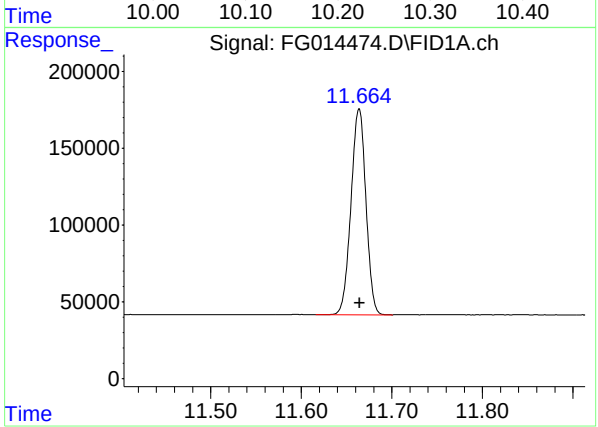
#6 n-Tetradecane (C14)

R.T.: 8.604 min
Delta R.T.: 0.000 min
Response: 1401781
Conc: 10.69 ug/ml



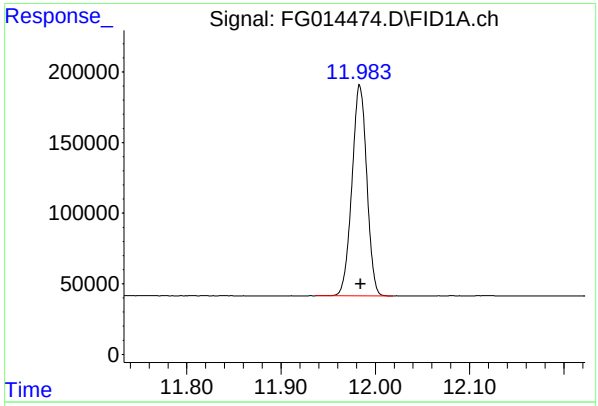
#7 n-Hexadecane (C16)

R.T.: 10.217 min
Delta R.T.: -0.001 min
Response: 1476396
Conc: 10.80 ug/ml



#8 n-Octadecane (C18)

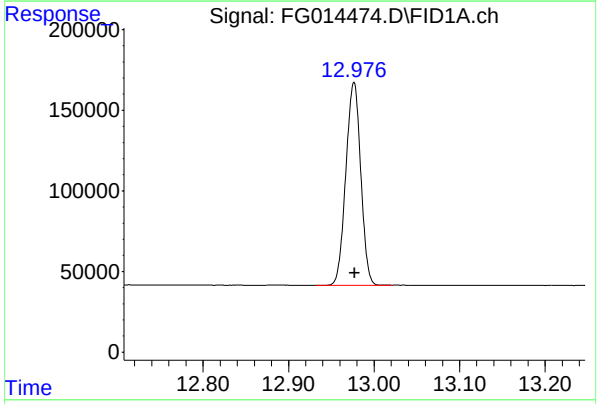
R.T.: 11.664 min
Delta R.T.: 0.000 min
Response: 1535645
Conc: 11.00 ug/ml



#9 ortho-Terphenyl (SURR)

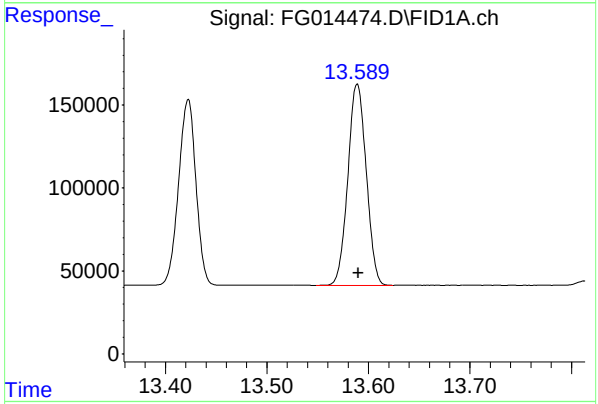
R.T.: 11.984 min
Delta R.T.: 0.000 min
Response: 1633149
Conc: 10.85 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



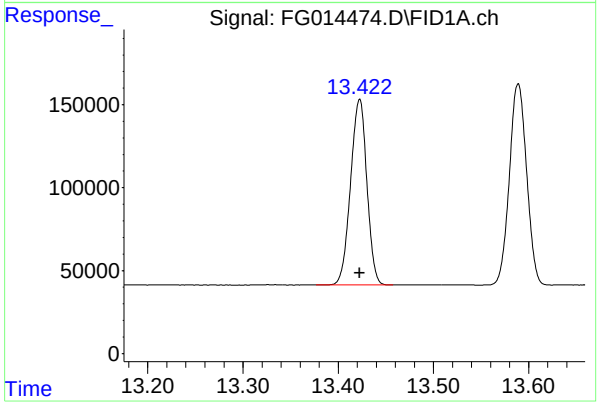
#10 n-Eicosane (C20)

R.T.: 12.977 min
Delta R.T.: 0.000 min
Response: 1523610
Conc: 11.20 ug/ml



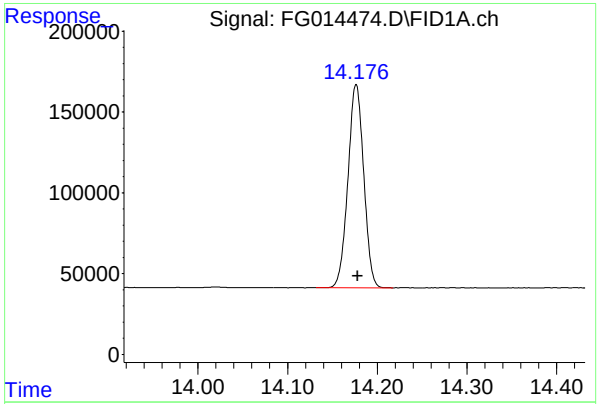
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: -0.001 min
Response: 1525021
Conc: 11.33 ug/ml



#12 1-chlorooctadecane (SURR)

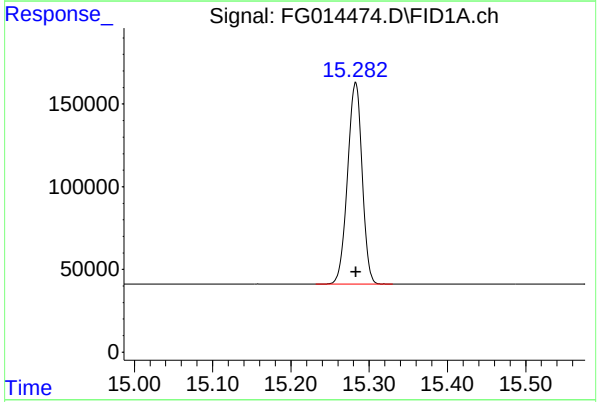
R.T.: 13.423 min
Delta R.T.: 0.000 min
Response: 1331752
Conc: 11.25 ug/ml



#13 n-Docosane (C22)

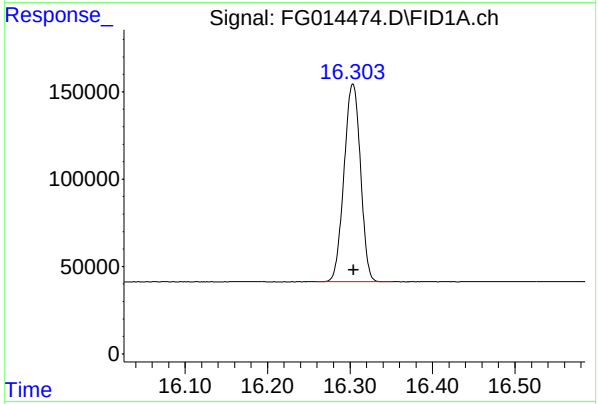
R.T.: 14.176 min
Delta R.T.: -0.002 mi
Response: 1539964
Conc: 11.43 ug/m

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



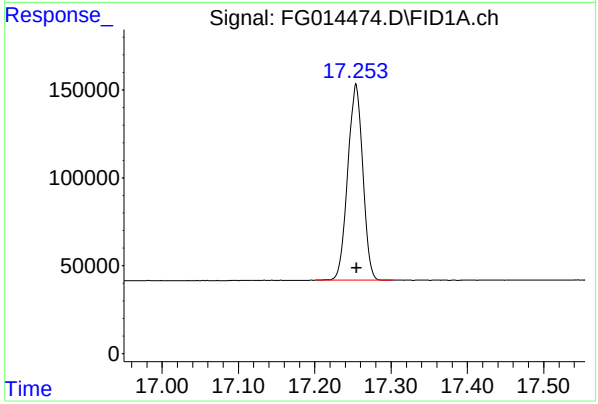
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: 0.000 min
Response: 1573071
Conc: 11.60 ug/ml



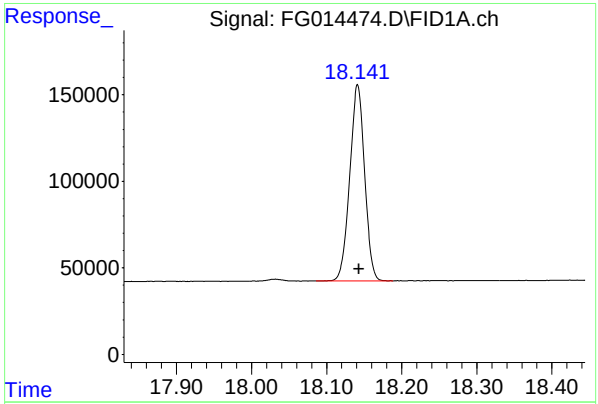
#15 n-Hexacosane (C26)

R.T.: 16.303 min
Delta R.T.: 0.000 min
Response: 1571293
Conc: 11.71 ug/ml



#16 n-Octacosane (C28)

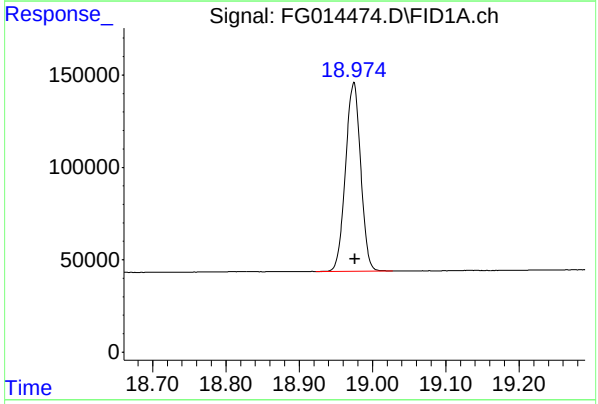
R.T.: 17.254 min
Delta R.T.: 0.000 min
Response: 1545724
Conc: 11.81 ug/ml



#17 n-Tricontane (C30)

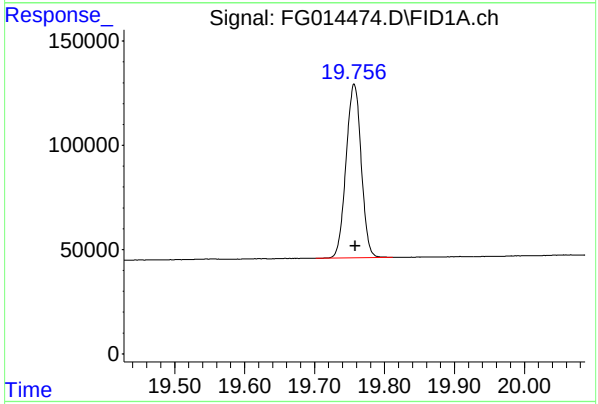
R.T.: 18.141 min
Delta R.T.: -0.002 min
Response: 1556404
Conc: 11.85 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



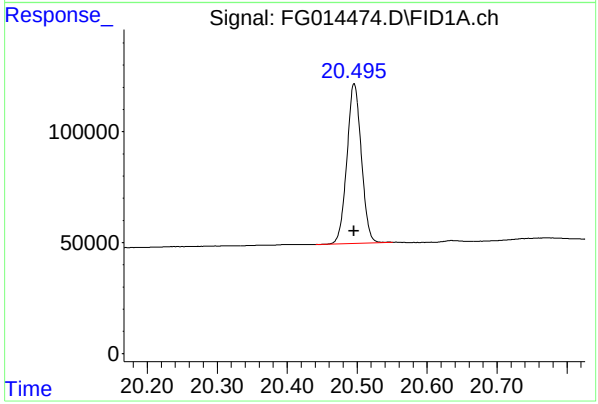
#18 n-Dotriacontane (C32)

R.T.: 18.975 min
Delta R.T.: -0.002 min
Response: 1468804
Conc: 11.84 ug/ml



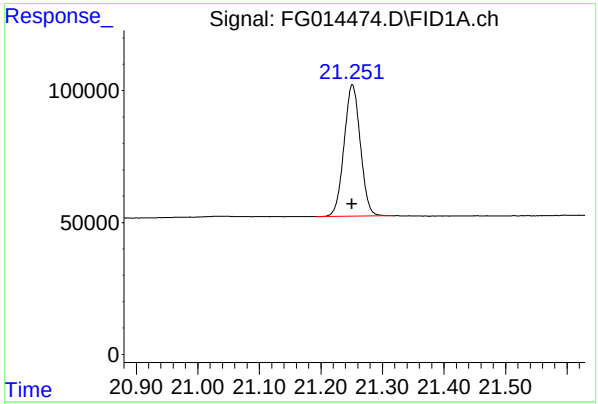
#19 n-Tetratriacontane (C34)

R.T.: 19.757 min
Delta R.T.: -0.002 min
Response: 1251076
Conc: 11.73 ug/ml



#20 n-Hexatriacontane (C36)

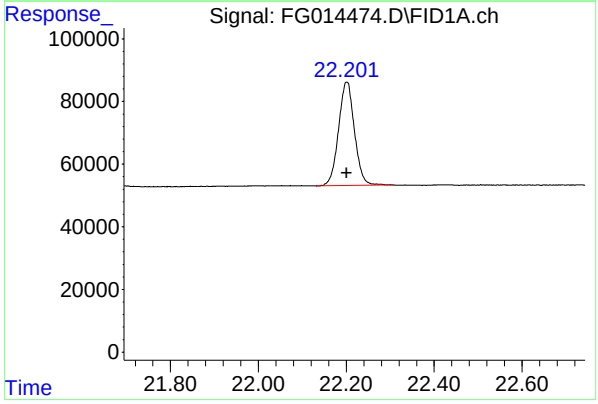
R.T.: 20.496 min
Delta R.T.: 0.000 min
Response: 1031050
Conc: 11.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.251 min
Delta R.T.: 0.000 min
Response: 913333
Conc: 11.34 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.201 min
Delta R.T.: 0.000 min
Response: 828726
Conc: 11.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014474.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 02:25
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.347	3.307	3.387	BB	136700	1367036	83.71%	4.431%
2	4.600	4.559	4.632	BB	141149	1389913	85.11%	4.505%
3	6.307	6.268	6.347	BB	160809	1513940	92.70%	4.907%
4	6.771	6.734	6.809	BB	138235	1401341	85.81%	4.542%
5	7.405	7.356	7.446	BB	148297	1472351	90.15%	4.772%
6	8.604	8.566	8.645	BB	136519	1401781	85.83%	4.544%
7	10.217	10.176	10.259	BB	133991	1476396	90.40%	4.786%
8	11.664	11.616	11.701	BB	134316	1535645	94.03%	4.978%
9	11.984	11.937	12.018	BB	149418	1633149	100.00%	5.294%
10	12.977	12.932	13.022	BB	125998	1523610	93.29%	4.939%
11	13.423	13.377	13.458	BB	112038	1331752	81.55%	4.317%
12	13.589	13.548	13.624	BB	121521	1525021	93.38%	4.943%
13	14.176	14.132	14.218	BB	125981	1539964	94.29%	4.992%
14	15.283	15.232	15.330	BB	122087	1573071	96.32%	5.099%
15	16.303	16.258	16.352	BB	113264	1571293	96.21%	5.093%
16	17.254	17.202	17.303	BB	111563	1545724	94.65%	5.010%
17	18.141	18.086	18.188	BB	113379	1556404	95.30%	5.045%
18	18.975	18.922	19.028	BB	102455	1468804	89.94%	4.761%
19	19.757	19.702	19.812	BB	83309	1251076	76.61%	4.055%
20	20.496	20.441	20.551	BB	72022	1031050	63.13%	3.342%
21	21.251	21.192	21.317	BB	49951	913333	55.92%	2.960%
22	22.201	22.131	22.306	BB	33000	828726	50.74%	2.686%
			Sum of corrected areas:			30851379		

Aliphatic EPH 102124.M Tue Oct 22 07:02:12 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014475.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 02:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 22 06:46:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 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)	11.982	831378	5.521 ug/ml
Spiked Amount	50.000		Recovery =	11.04%
12)	S 1-chlorooctadecane (S...	13.422	685843	5.794 ug/ml
Spiked Amount	50.000		Recovery =	11.59%
	Target Compounds			
1)	T n-Nonane (C9)	3.347	694427	5.424 ug/ml
2)	T n-Decane (C10)	4.600	708440	5.436 ug/ml
3)	T A~Naphthalene (C11.7)	6.307	770627	5.432 ug/ml
4)	T n-Dodecane (C12)	6.771	713929	5.434 ug/ml
5)	T A~2-methylnaphthalene...	7.405	748484	5.424 ug/ml
6)	T n-Tetradecane (C14)	8.604	713297	5.440 ug/ml
7)	T n-Hexadecane (C16)	10.217	752896	5.506 ug/ml
8)	T n-Octadecane (C18)	11.664	787466	5.642 ug/ml
10)	T n-Eicosane (C20)	12.977	783230	5.760 ug/ml
11)	T n-Heneicosane (C21)	13.589	785615	5.835 ug/ml
13)	T n-Docosane (C22)	14.177	794152	5.893 ug/ml
14)	T n-Tetracosane (C24)	15.281	809858	5.971 ug/ml
15)	T n-Hexacosane (C26)	16.303	809568	6.034 ug/ml
16)	T n-Octacosane (C28)	17.253	799676	6.109 ug/ml
17)	T n-Tricontane (C30)	18.141	812937	6.191 ug/ml
18)	T n-Dotriacontane (C32)	18.973	776653	6.262 ug/ml
19)	T n-Tetratriacontane (C34)	19.756	658399	6.176 ug/ml
20)	T n-Hexatriacontane (C36)	20.494	538139	6.021 ug/ml
21)	T n-Octatriacontane (C38)	21.250	478182	5.936 ug/ml
22)	T n-Tetracontane (C40)	22.199	421491	5.716 ug/ml

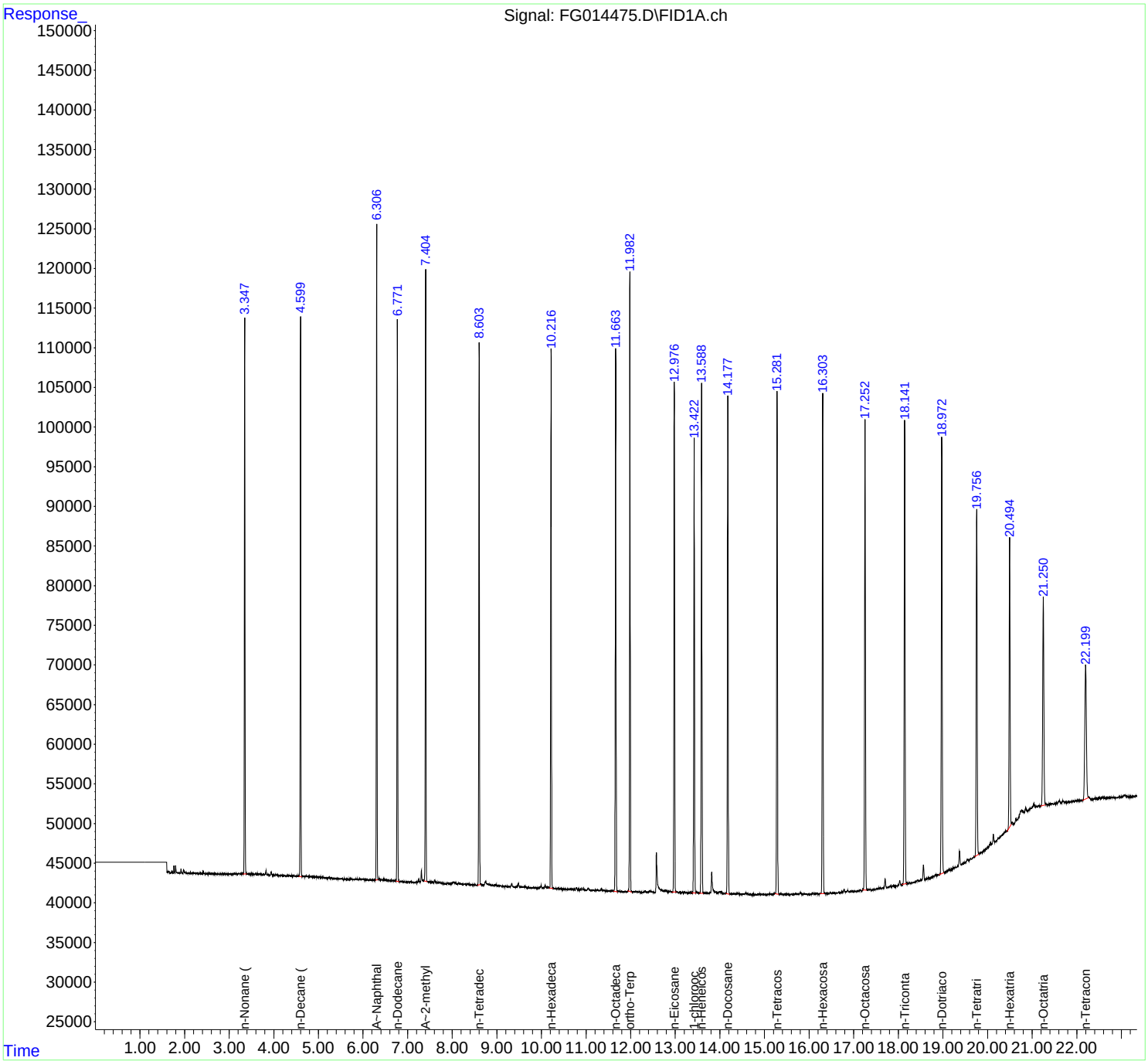
(f)=RT Delta > 1/2 Window (m)=manual int.

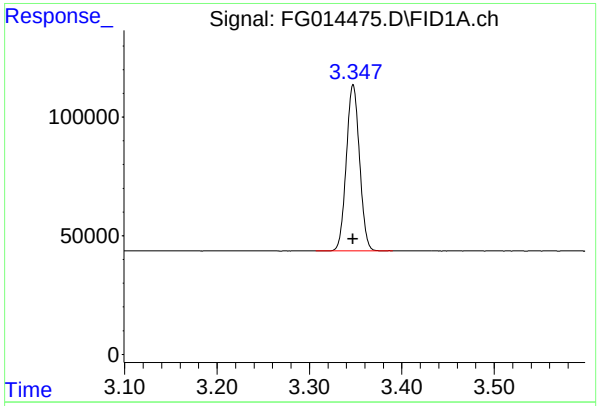
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014475.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 02:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 22 06:46:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:44:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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

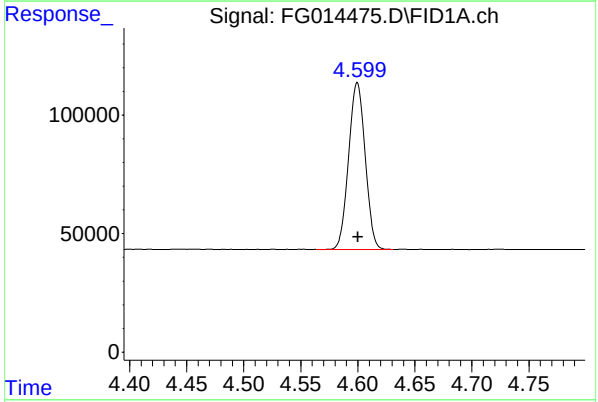




#1 n-Nonane (C9)

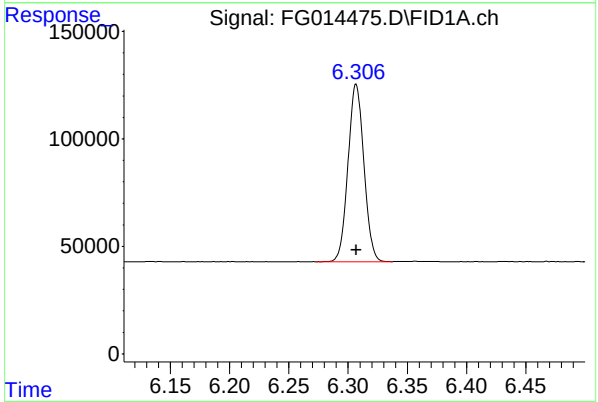
R.T.: 3.347 min
Delta R.T.: 0.000 min
Response: 694427
Conc: 5.42 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



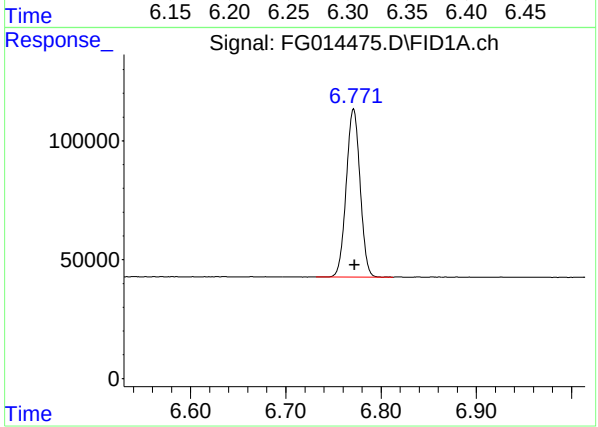
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: 0.000 min
Response: 708440
Conc: 5.44 ug/ml



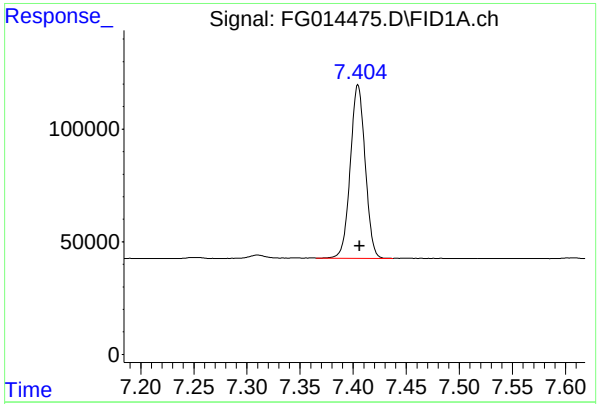
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 770627
Conc: 5.43 ug/ml



#4 n-Dodecane (C12)

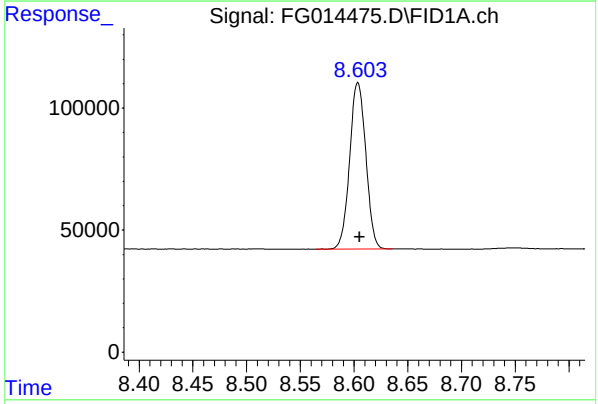
R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 713929
Conc: 5.43 ug/ml



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

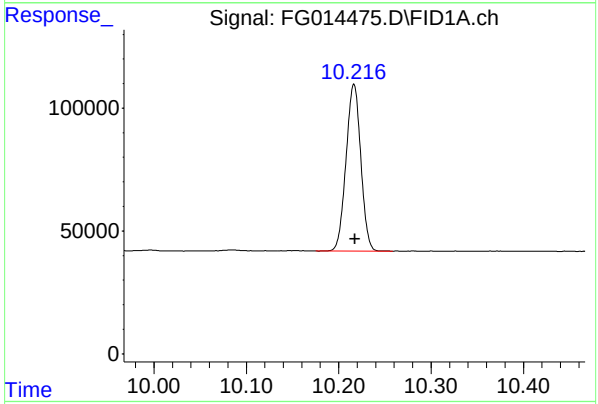
R.T.: 7.405 min
Delta R.T.: -0.001 min
Response: 748484
Conc: 5.42 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



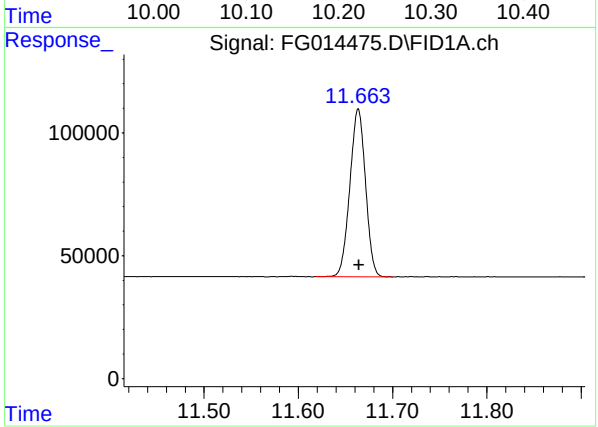
#6 n-Tetradecane (C14)

R.T.: 8.604 min
Delta R.T.: -0.002 min
Response: 713297
Conc: 5.44 ug/ml



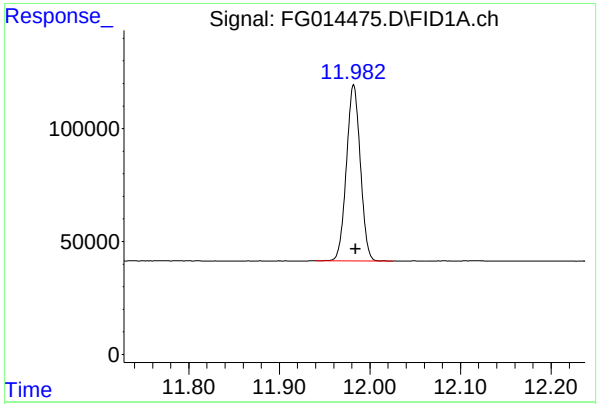
#7 n-Hexadecane (C16)

R.T.: 10.217 min
Delta R.T.: -0.001 min
Response: 752896
Conc: 5.51 ug/ml



#8 n-Octadecane (C18)

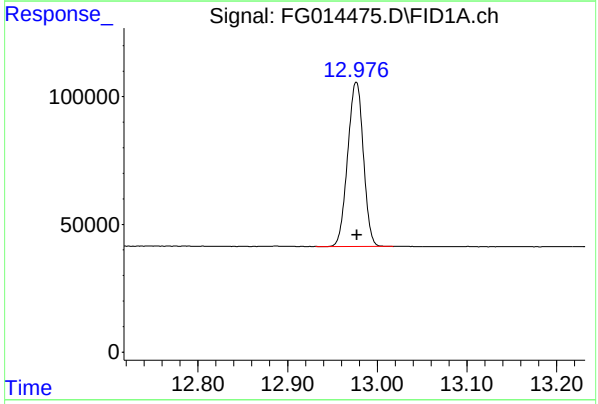
R.T.: 11.664 min
Delta R.T.: 0.000 min
Response: 787466
Conc: 5.64 ug/ml



#9 ortho-Terphenyl (SURR)

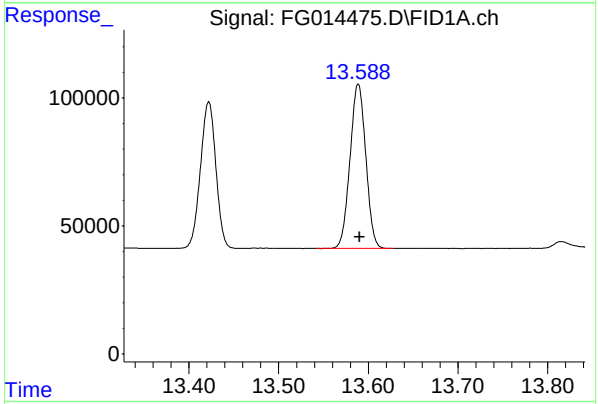
R.T.: 11.982 min
Delta R.T.: -0.002 min
Response: 831378
Conc: 5.52 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



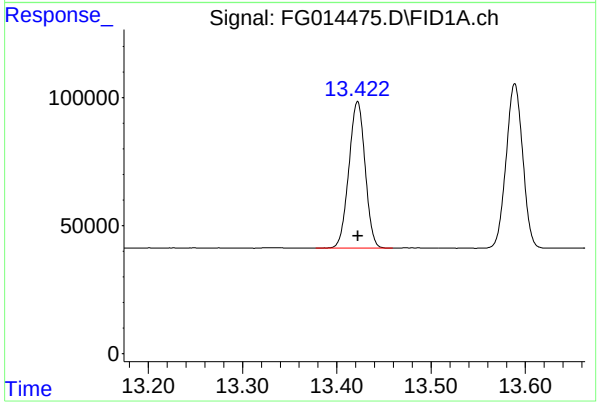
#10 n-Eicosane (C20)

R.T.: 12.977 min
Delta R.T.: 0.000 min
Response: 783230
Conc: 5.76 ug/ml



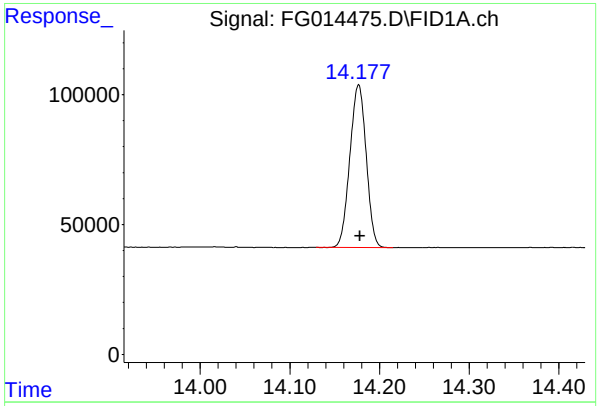
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: -0.001 min
Response: 785615
Conc: 5.83 ug/ml



#12 1-chlorooctadecane (SURR)

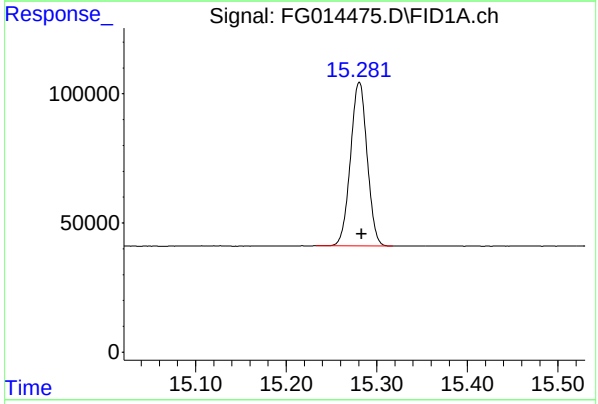
R.T.: 13.422 min
Delta R.T.: 0.000 min
Response: 685843
Conc: 5.79 ug/ml



#13 n-Docosane (C22)

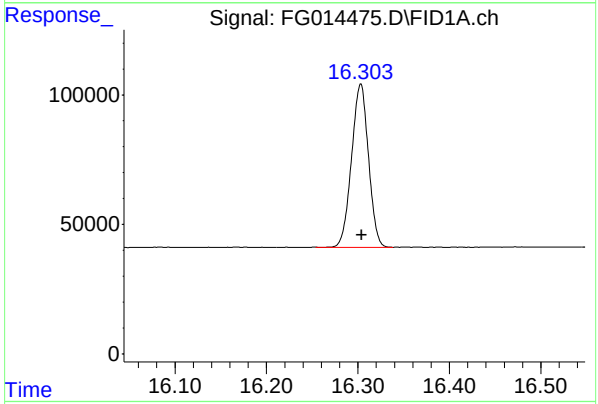
R.T.: 14.177 min
Delta R.T.: -0.001 min
Response: 794152
Conc: 5.89 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



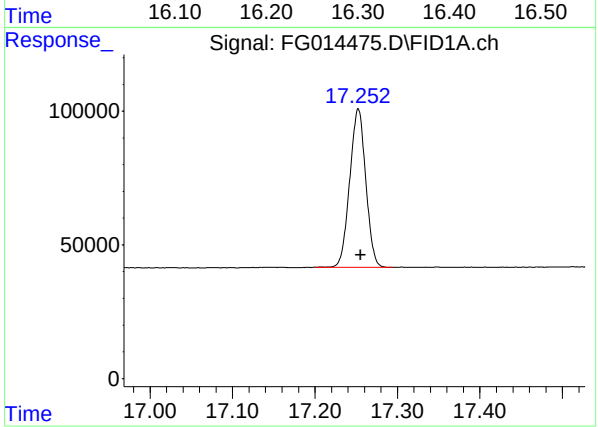
#14 n-Tetracosane (C24)

R.T.: 15.281 min
Delta R.T.: -0.003 min
Response: 809858
Conc: 5.97 ug/ml



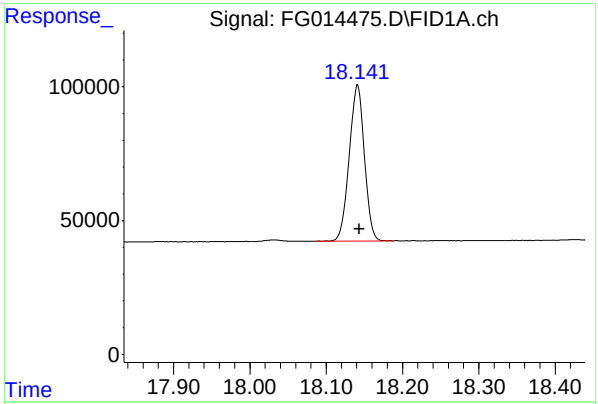
#15 n-Hexacosane (C26)

R.T.: 16.303 min
Delta R.T.: 0.000 min
Response: 809568
Conc: 6.03 ug/ml



#16 n-Octacosane (C28)

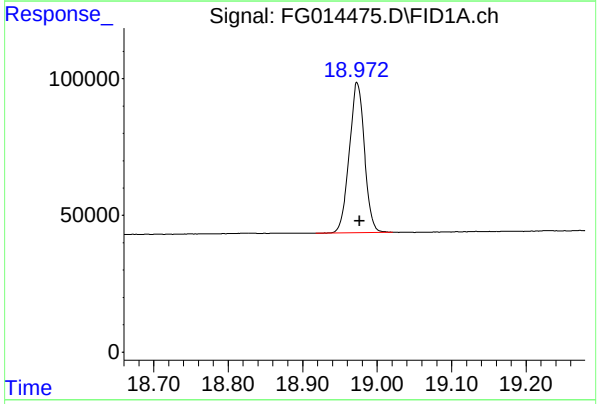
R.T.: 17.253 min
Delta R.T.: -0.002 min
Response: 799676
Conc: 6.11 ug/ml



#17 n-Tricontane (C30)

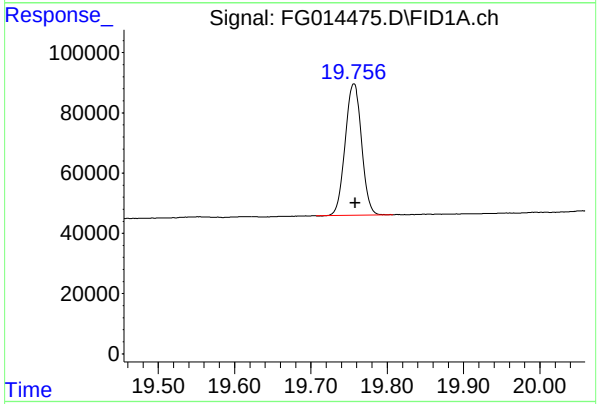
R.T.: 18.141 min
Delta R.T.: -0.002 min
Response: 812937
Conc: 6.19 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



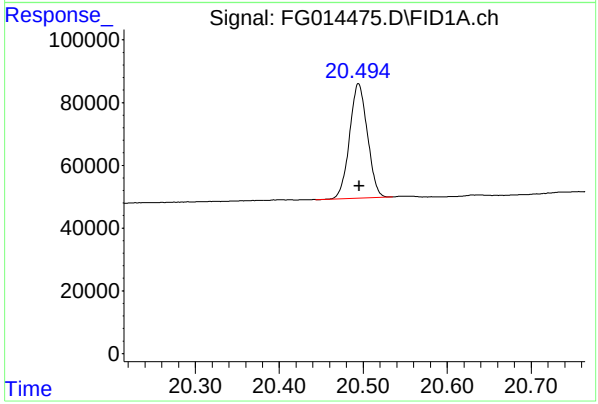
#18 n-Dotriacontane (C32)

R.T.: 18.973 min
Delta R.T.: -0.003 min
Response: 776653
Conc: 6.26 ug/ml



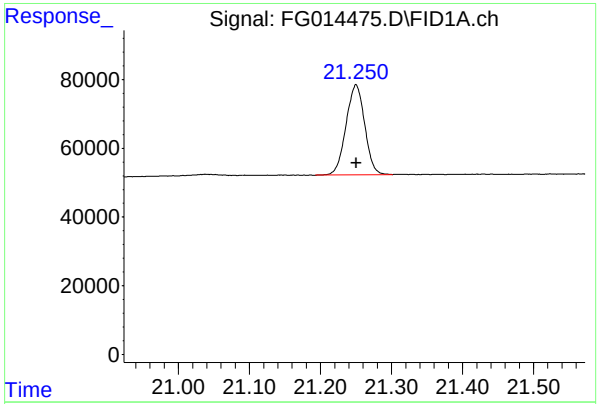
#19 n-Tetratriacontane (C34)

R.T.: 19.756 min
Delta R.T.: -0.002 min
Response: 658399
Conc: 6.18 ug/ml



#20 n-Hexatriacontane (C36)

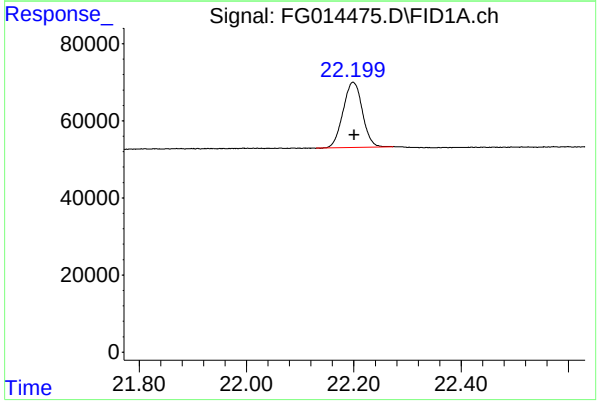
R.T.: 20.494 min
Delta R.T.: -0.001 min
Response: 538139
Conc: 6.02 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.250 min
Delta R.T.: 0.000 mi
Response: 478182
Conc: 5.94 ug/m

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.199 min
Delta R.T.: -0.002 min
Response: 421491
Conc: 5.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014475.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 02:54
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.347	3.307	3.390	BB	70114	694427	83.53%	4.374%
2	4.600	4.563	4.631	BB	70505	708440	85.21%	4.463%
3	6.307	6.273	6.338	BB	82679	770627	92.69%	4.854%
4	6.771	6.732	6.813	BB	70800	713929	85.87%	4.497%
5	7.405	7.365	7.438	BB	77065	748484	90.03%	4.715%
6	8.604	8.564	8.636	BB	68307	713297	85.80%	4.493%
7	10.217	10.175	10.258	BB	68016	752896	90.56%	4.743%
8	11.664	11.618	11.700	BB	68428	787466	94.72%	4.961%
9	11.982	11.940	12.025	BB	78086	831378	100.00%	5.237%
10	12.977	12.932	13.018	BB	64339	783230	94.21%	4.934%
11	13.422	13.378	13.459	BB	57371	685843	82.49%	4.320%
12	13.589	13.542	13.628	BB	64313	785615	94.50%	4.949%
13	14.177	14.129	14.215	BB	62779	794152	95.52%	5.003%
14	15.281	15.233	15.318	BB	63427	809858	97.41%	5.102%
15	16.303	16.254	16.338	BB	63182	809568	97.38%	5.100%
16	17.253	17.201	17.294	BB	59385	799676	96.19%	5.037%
17	18.141	18.087	18.188	BB	58487	812937	97.78%	5.121%
18	18.973	18.918	19.021	BB	54915	776653	93.42%	4.892%
19	19.756	19.707	19.808	BB	43659	658399	79.19%	4.147%
20	20.494	20.443	20.535	BB	36530	538139	64.73%	3.390%
21	21.250	21.193	21.302	BB	26322	478182	57.52%	3.012%
22	22.199	22.130	22.273	BB	16932	421491	50.70%	2.655%

Sum of corrected areas: 15874687

Aliphatic EPH 102124.M Tue Oct 22 07:03:53 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014476.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 03:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 22 06:50:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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)	11.985	3155986	20.591 ug/ml
	Spiked Amount 50.000		Recovery = 41.18%	
12)	S 1-chlorooctadecane (S...	13.423	2586371	21.063 ug/ml
	Spiked Amount 50.000		Recovery = 42.13%	
	Target Compounds			
1)	T n-Nonane (C9)	3.347	2616584	20.219 ug/ml
2)	T n-Decane (C10)	4.600	2665562	20.229 ug/ml
3)	T A~Naphthalene (C11.7)	6.307	2901812	20.229 ug/ml
4)	T n-Dodecane (C12)	6.772	2693122	20.273 ug/ml
5)	T A~2-methylnaphthalene...	7.406	2825092	20.250 ug/ml
6)	T n-Tetradecane (C14)	8.605	2704957	20.387 ug/ml
7)	T n-Hexadecane (C16)	10.218	2857789	20.565 ug/ml
8)	T n-Octadecane (C18)	11.665	2981784	20.829 ug/ml
10)	T n-Eicosane (C20)	12.978	2961317	21.058 ug/ml
11)	T n-Heneicosane (C21)	13.591	2958121	21.135 ug/ml
13)	T n-Docosane (C22)	14.178	2978947	21.177 ug/ml
14)	T n-Tetracosane (C24)	15.283	3019455	21.220 ug/ml
15)	T n-Hexacosane (C26)	16.304	2993405	21.207 ug/ml
16)	T n-Octacosane (C28)	17.255	2914681	21.089 ug/ml
17)	T n-Tricontane (C30)	18.143	2909995	20.995 ug/ml
18)	T n-Dotriacontane (C32)	18.974	2735700	20.895 ug/ml
19)	T n-Tetratriacontane (C34)	19.757	2337254	20.882 ug/ml
20)	T n-Hexatriacontane (C36)	20.496	1940381	20.847 ug/ml
21)	T n-Octatriacontane (C38)	21.249	1745357	20.890 ug/ml
22)	T n-Tetracontane (C40)	22.201	1581924	20.803 ug/ml

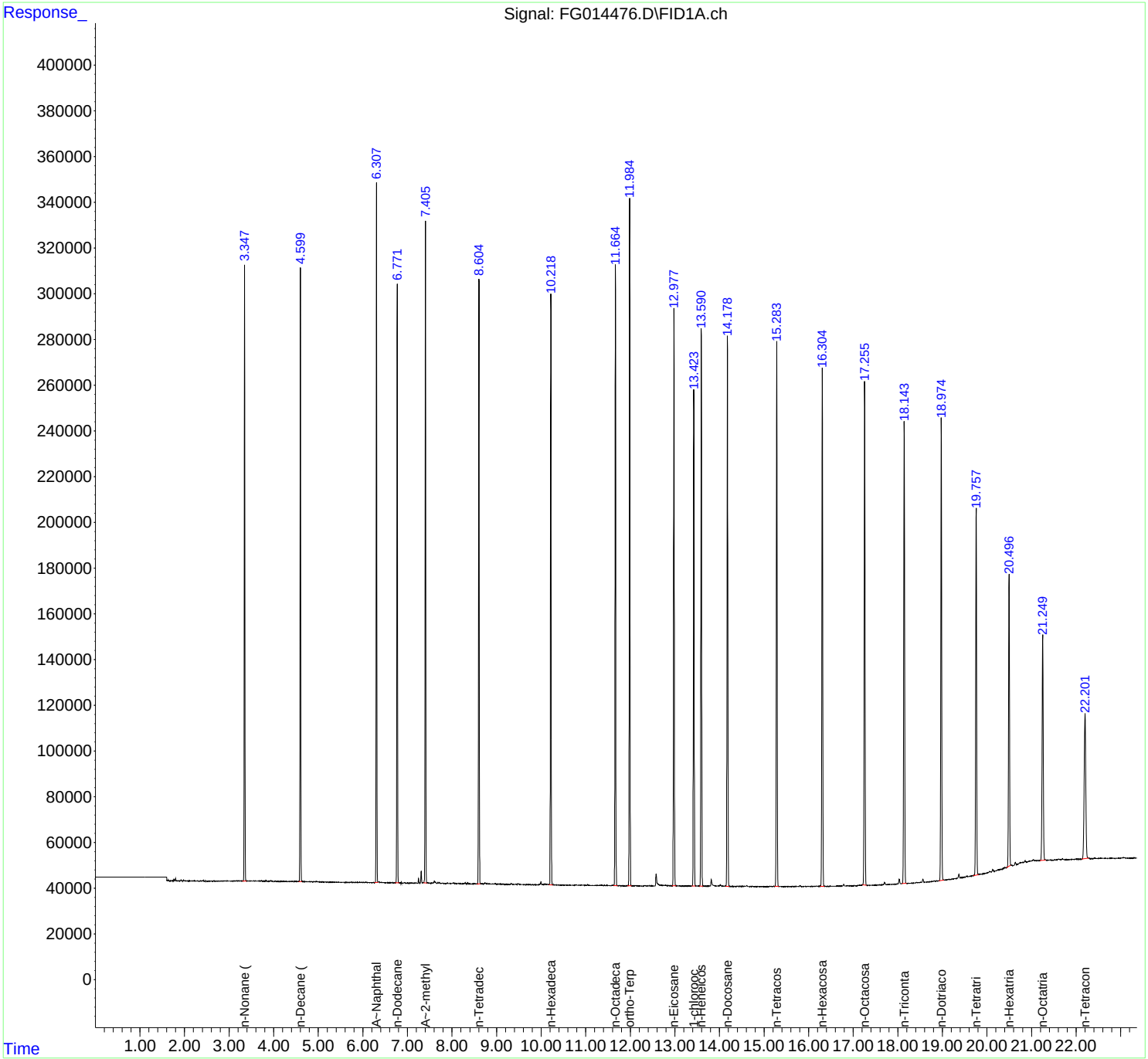
(f)=RT Delta > 1/2 Window (m)=manual int.

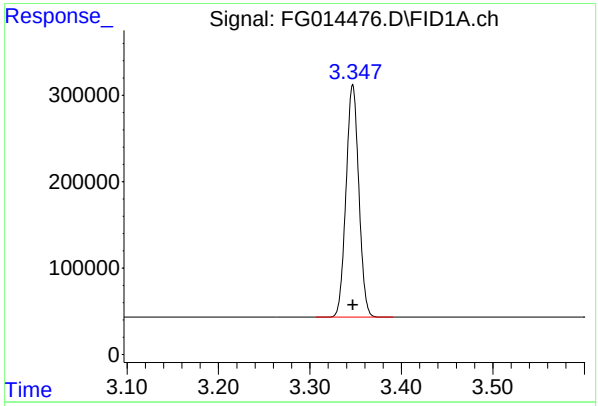
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014476.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 03:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 22 06:50:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

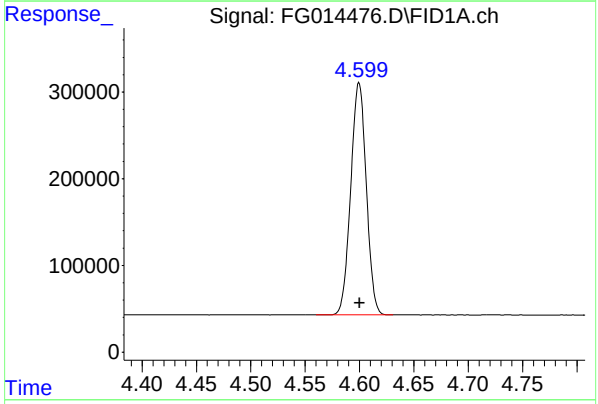




#1 n-Nonane (C9)

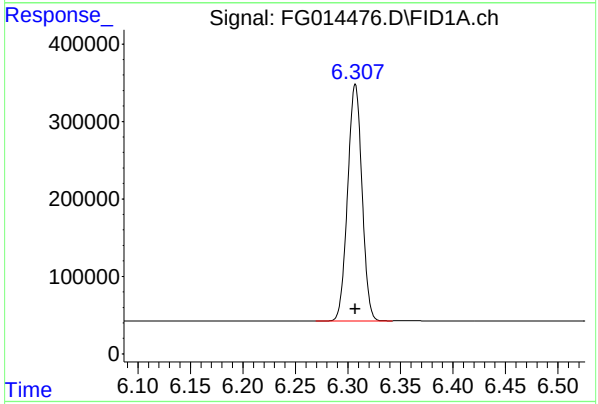
R.T.: 3.347 min
Delta R.T.: 0.000 min
Response: 2616584
Conc: 20.22 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



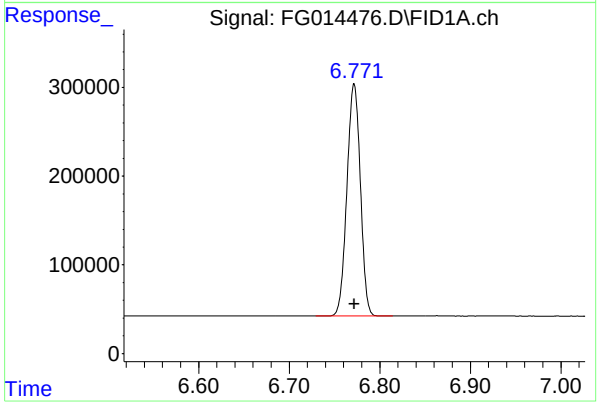
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: 0.000 min
Response: 2665562
Conc: 20.23 ug/ml



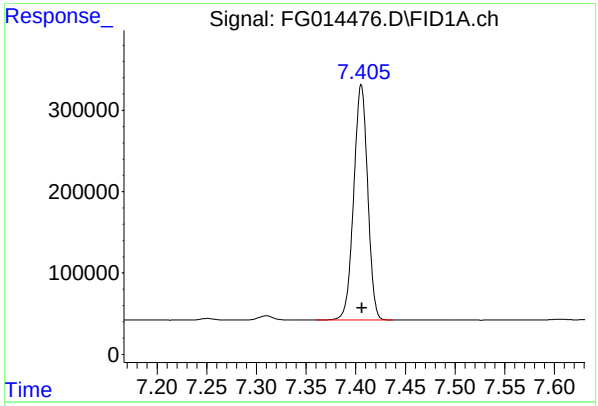
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 2901812
Conc: 20.23 ug/ml



#4 n-Dodecane (C12)

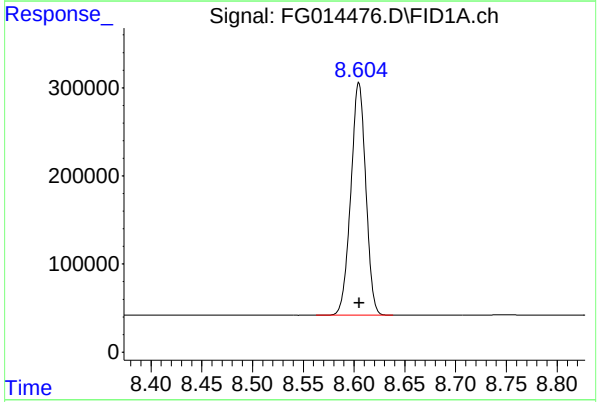
R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2693122
Conc: 20.27 ug/ml



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

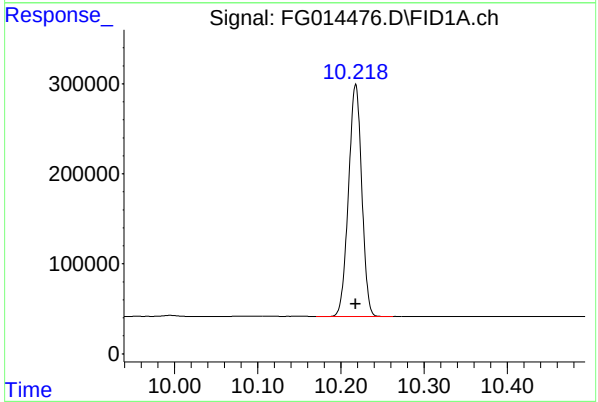
R.T.: 7.406 min
Delta R.T.: 0.000 min
Response: 2825092
Conc: 20.25 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



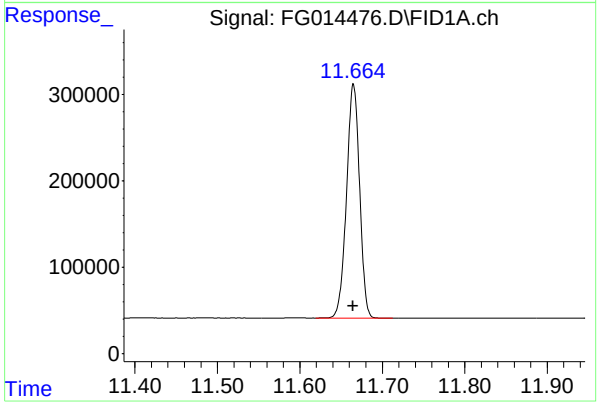
#6 n-Tetradecane (C14)

R.T.: 8.605 min
Delta R.T.: 0.000 min
Response: 2704957
Conc: 20.39 ug/ml



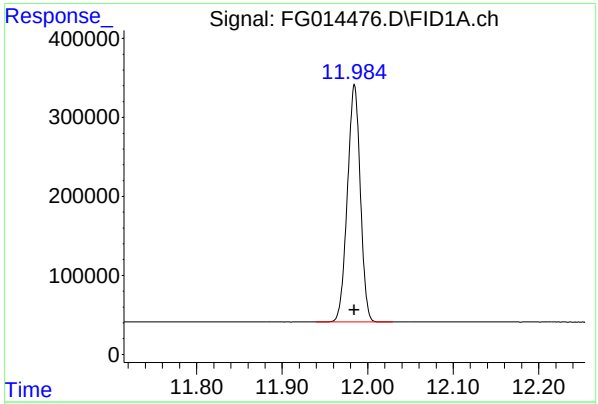
#7 n-Hexadecane (C16)

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 2857789
Conc: 20.57 ug/ml



#8 n-Octadecane (C18)

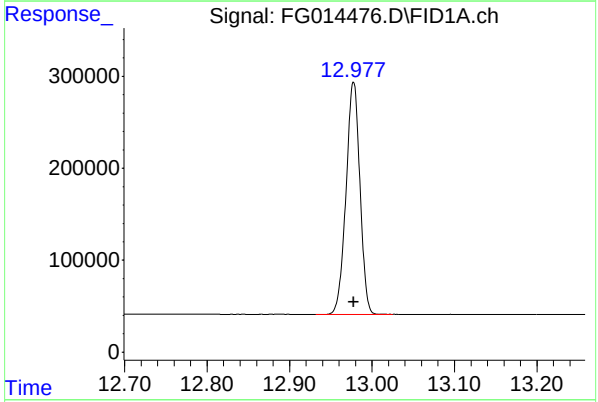
R.T.: 11.665 min
Delta R.T.: 0.000 min
Response: 2981784
Conc: 20.83 ug/ml



#9 ortho-Terphenyl (SURR)

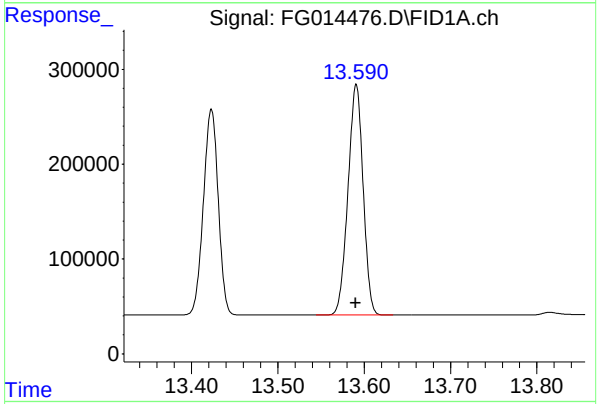
R.T.: 11.985 min
Delta R.T.: 0.000 min
Response: 3155986
Conc: 20.59 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



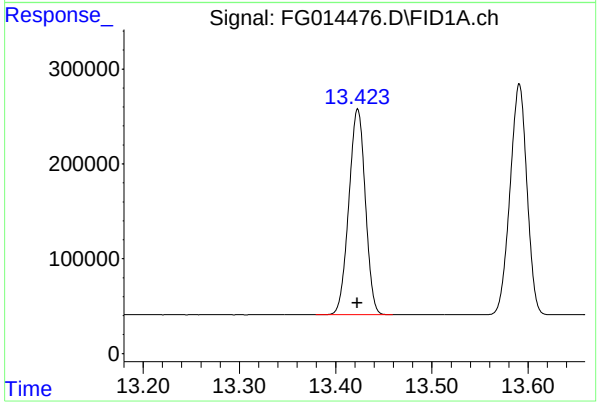
#10 n-Eicosane (C20)

R.T.: 12.978 min
Delta R.T.: 0.000 min
Response: 2961317
Conc: 21.06 ug/ml



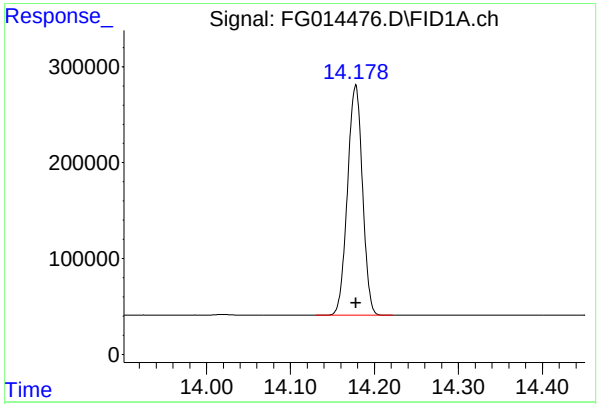
#11 n-Heneicosane (C21)

R.T.: 13.591 min
Delta R.T.: 0.000 min
Response: 2958121
Conc: 21.13 ug/ml



#12 1-chlorooctadecane (SURR)

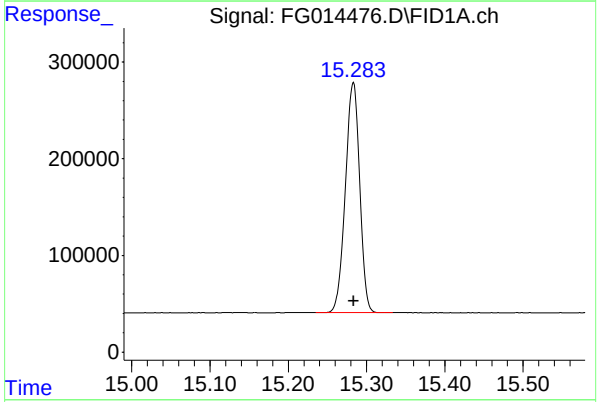
R.T.: 13.423 min
Delta R.T.: 0.000 min
Response: 2586371
Conc: 21.06 ug/ml



#13 n-Docosane (C22)

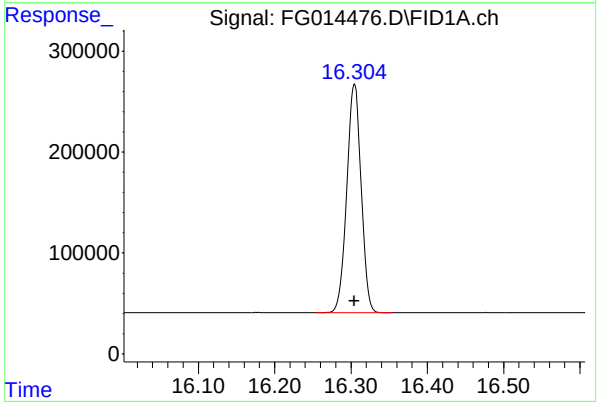
R.T.: 14.178 min
Delta R.T.: 0.000 min
Response: 2978947
Conc: 21.18 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



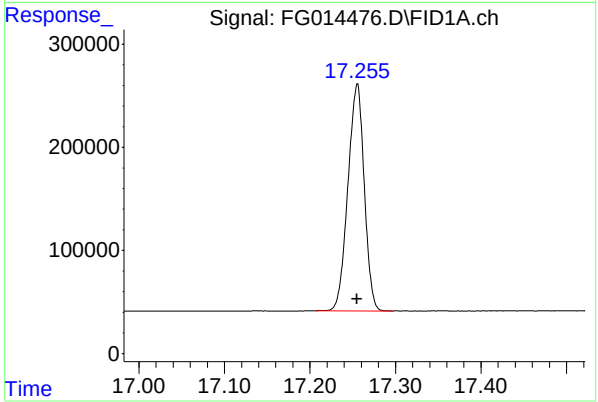
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: 0.000 min
Response: 3019455
Conc: 21.22 ug/ml



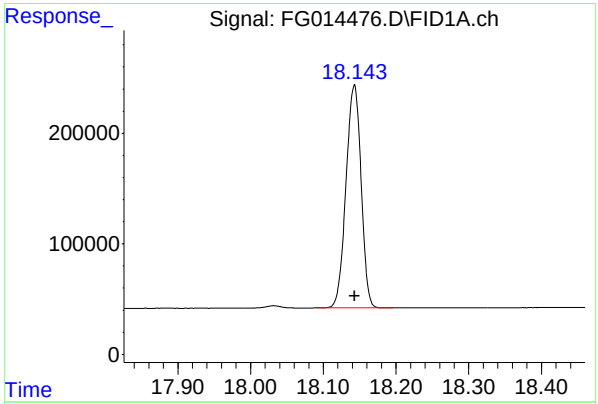
#15 n-Hexacosane (C26)

R.T.: 16.304 min
Delta R.T.: 0.000 min
Response: 2993405
Conc: 21.21 ug/ml



#16 n-Octacosane (C28)

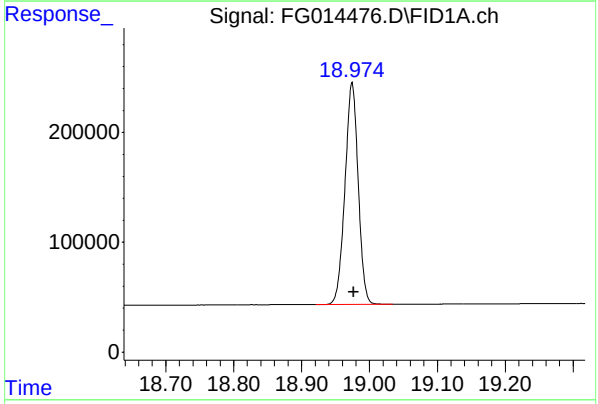
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 2914681
Conc: 21.09 ug/ml



#17 n-Tricontane (C30)

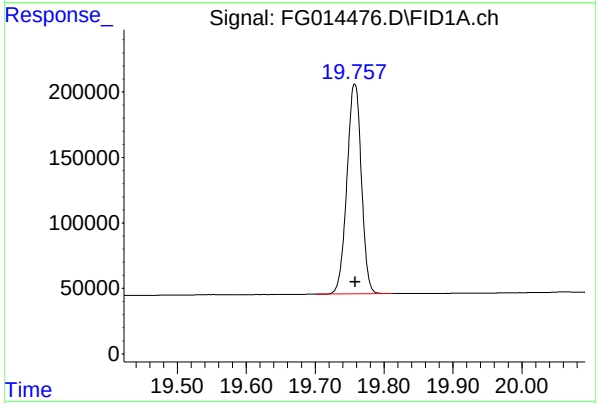
R.T.: 18.143 min
Delta R.T.: 0.000 min
Response: 2909995
Conc: 21.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



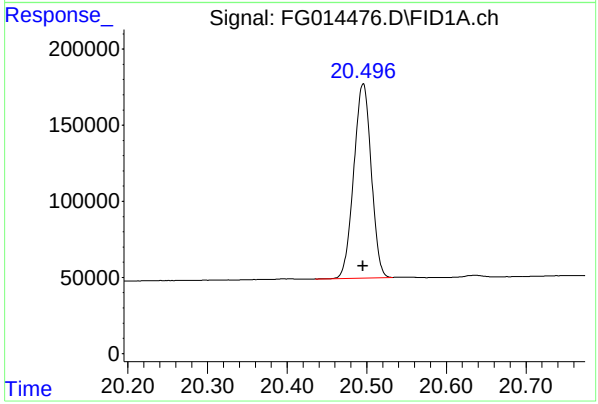
#18 n-Dotriacontane (C32)

R.T.: 18.974 min
Delta R.T.: -0.002 min
Response: 2735700
Conc: 20.90 ug/ml



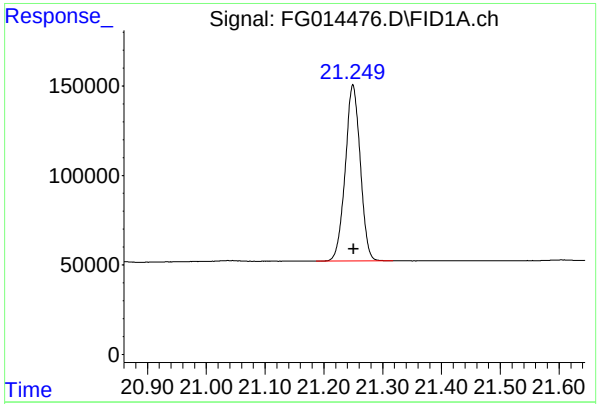
#19 n-Tetratriacontane (C34)

R.T.: 19.757 min
Delta R.T.: -0.001 min
Response: 2337254
Conc: 20.88 ug/ml



#20 n-Hexatriacontane (C36)

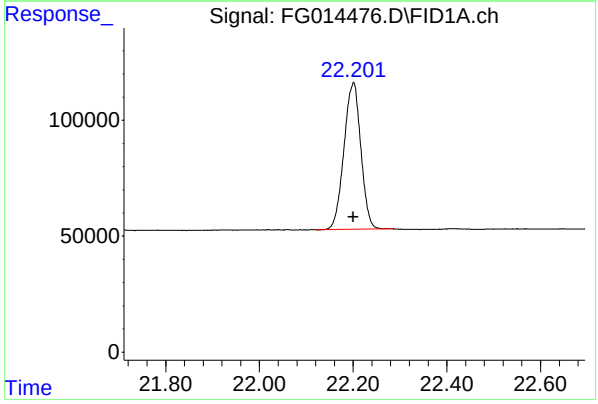
R.T.: 20.496 min
Delta R.T.: 0.000 min
Response: 1940381
Conc: 20.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.249 min
Delta R.T.: -0.001 mi
Response: 1745357
Conc: 20.89 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.201 min
Delta R.T.: 0.000 min
Response: 1581924
Conc: 20.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AL\
Data File : FG014476.D
Signal(s) : FID1A.ch
Acq On : 22 Oct 2024 03:23
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.347	3.307	3.391	BB	269182	2616584	82.91%	4.430%
2	4.600	4.560	4.631	BB	268004	2665562	84.46%	4.513%
3	6.307	6.269	6.343	BB	305722	2901812	91.95%	4.913%
4	6.772	6.729	6.814	BB	262108	2693122	85.33%	4.560%
5	7.406	7.360	7.438	BB	288988	2825092	89.52%	4.783%
6	8.605	8.563	8.638	BB	264130	2704957	85.71%	4.580%
7	10.218	10.170	10.263	BB	258015	2857789	90.55%	4.838%
8	11.665	11.619	11.713	BB	271382	2981784	94.48%	5.048%
9	11.985	11.939	12.029	BB	300269	3155986	100.00%	5.343%
10	12.978	12.932	13.025	BB	252752	2961317	93.83%	5.014%
11	13.423	13.379	13.459	BB	216908	2586371	81.95%	4.379%
12	13.591	13.544	13.633	BB	243732	2958121	93.73%	5.008%
13	14.178	14.130	14.222	BB	240179	2978947	94.39%	5.043%
14	15.283	15.235	15.333	BB	238420	3019455	95.67%	5.112%
15	16.304	16.254	16.355	BB	226653	2993405	94.85%	5.068%
16	17.255	17.207	17.297	BB	220636	2914681	92.35%	4.935%
17	18.143	18.090	18.196	BB	201918	2909995	92.21%	4.927%
18	18.974	18.921	19.034	BB	202203	2735700	86.68%	4.632%
19	19.757	19.701	19.813	BB	160301	2337254	74.06%	3.957%
20	20.496	20.436	20.533	BB	127782	1940381	61.48%	3.285%
21	21.249	21.187	21.318	BB	98643	1745357	55.30%	2.955%
22	22.201	22.121	22.285	BB	63474	1581924	50.12%	2.678%
			Sum of corrected areas:			59065598		

Aliphatic EPH 102124.M Tue Oct 22 07:04:12 2024

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC110824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067669.D**						
Aliphatic C9-C12	7432259.000	60.000	3.171	6.450	123870.983	135469.641	8.562
Aliphatic C12-C16	4908621.000	40.000	6.451	9.841	122715.525	131681.730	6.809
Aliphatic C16-C21	7119944.000	60.000	9.842	13.199	118665.733	127235.092	6.735
Aliphatic C21-C28	9135773.000	80.000	13.200	16.853	114197.163	120090.398	4.907
Aliphatic C28-C40	12707285.000	120.000	16.854	21.698	105894.042	101093.195	-4.749
Aliphatic EPH	41303882.000	360.000	3.171	21.698	114733.006	118799.912	3.423

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 13:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067669.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.171	6.450	7432259.000	60.000	ug/ml
Aliphatic C12-C16	6.451	9.841	4908621.000	40.000	ug/ml
Aliphatic C16-C21	9.842	13.199	7119944.000	60.000	ug/ml
Aliphatic C21-C28	13.200	16.853	9135773.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.698	12707285.000	120.000	ug/ml
Aliphatic EPH	3.171	21.698	41303882.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067669.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 13:17
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 09 01:36:51 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	2717082	18.517 ug/ml
Spiked Amount	50.000		Recovery =	37.03%
12) S	1-chlorooctadecane (S...	12.930	2012079	18.632 ug/ml
Spiked Amount	50.000		Recovery =	37.26%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	2426226	18.009 ug/ml
2) T	n-Decane (C10)	4.335	2507371	18.403 ug/ml
3) T	A~Naphthalene (C11.7)	5.913	2726316	18.398 ug/ml
4) T	n-Dodecane (C12)	6.350	2498662	18.448 ug/ml
5) T	A~2-methylnaphthalene...	6.968	2607787	18.466 ug/ml
6) T	n-Tetradecane (C14)	8.143	2437230	18.568 ug/ml
7) T	n-Hexadecane (C16)	9.741	2471391	18.708 ug/ml
8) T	n-Octadecane (C18)	11.181	2472221	18.713 ug/ml
10) T	n-Eicosane (C20)	12.489	2346255	18.595 ug/ml
11) T	n-Heneicosane (C21)	13.099	2301468	18.648 ug/ml
13) T	n-Docosane (C22)	13.685	2288234	18.687 ug/ml
14) T	n-Tetracosane (C24)	14.786	2274121	18.762 ug/ml
15) T	n-Hexacosane (C26)	15.805	2256079	18.950 ug/ml
16) T	n-Octacosane (C28)	16.753	2317339	19.697 ug/ml
17) T	n-Tricontane (C30)	17.639	2551406	21.108 ug/ml
18) T	n-Dotriacontane (C32)	18.472	2591991	21.907 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	2270153	21.677 ug/ml
20) T	n-Hexatriacontane (C36)	19.991	1899475	20.867 ug/ml
21) T	n-Octatriacontane (C38)	20.714	1747204	20.175 ug/ml
22) T	n-Tetracontane (C40)	21.598	1647056	19.375 ug/ml

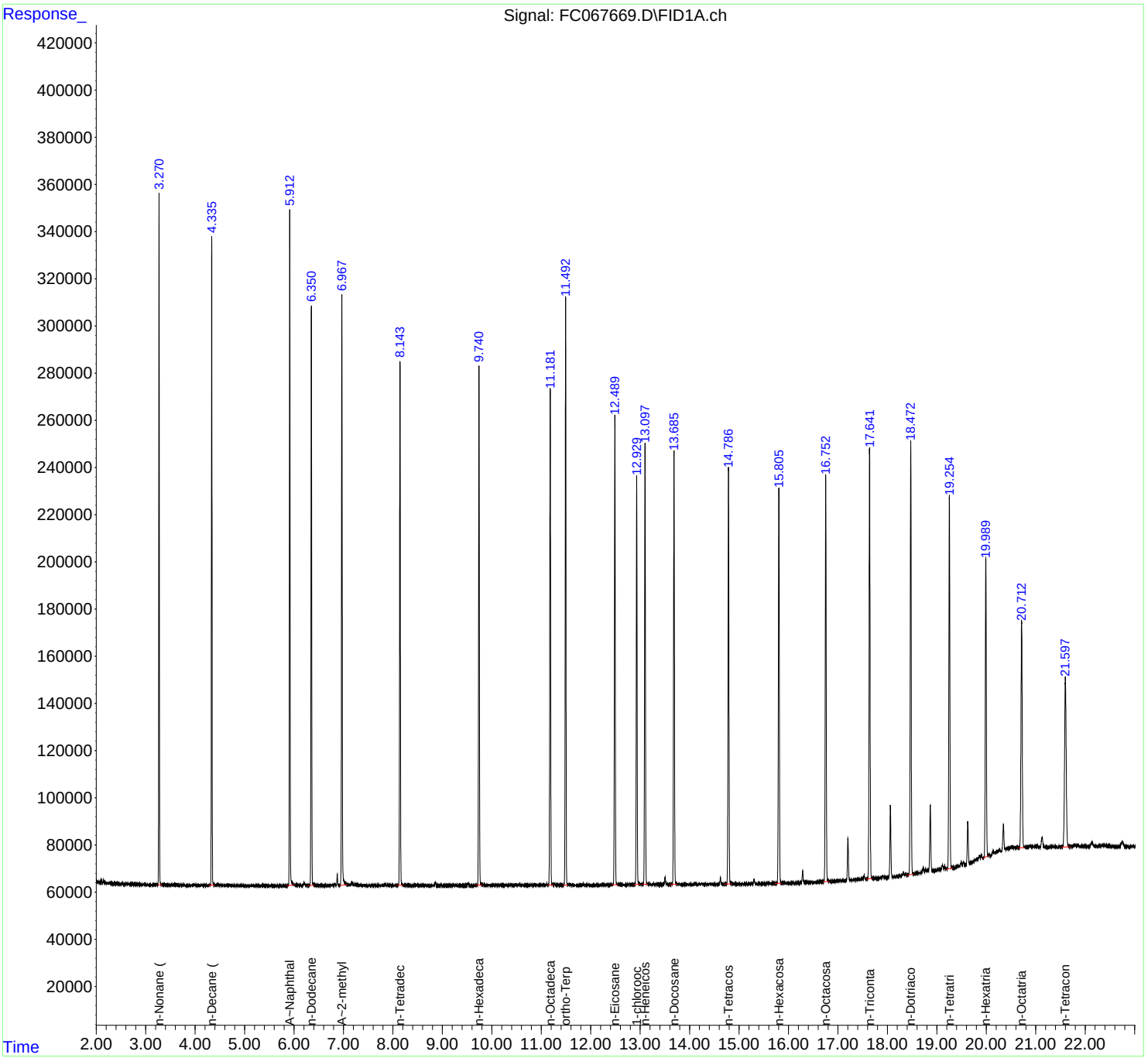
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067669.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 13:17
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 09 01:36:51 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\FC110824AL\
Data File : FC067669.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 13:17
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	3.271	3.245	3.325	BB	292779	2426226	88.99%	4.723%
2	4.335	4.272	4.397	BB	274968	2507371	91.97%	4.881%
3	5.913	5.857	6.000	BB	284745	2726316	100.00%	5.308%
4	6.350	6.285	6.412	BB	245680	2498662	91.65%	4.864%
5	6.968	6.920	7.078	BB	249673	2607787	95.65%	5.077%
6	8.143	8.078	8.207	BB	223148	2437230	89.40%	4.745%
7	9.741	9.683	9.808	BB	217539	2471391	90.65%	4.811%
8	11.181	11.132	11.245	BB	206999	2472221	90.68%	4.813%
9	11.492	11.435	11.545	BB	250035	2717082	99.66%	5.290%
10	12.489	12.420	12.537	BB	195566	2346255	86.06%	4.568%
11	12.930	12.863	12.995	BB	172228	2012079	73.80%	3.917%
12	13.099	13.037	13.162	BB	186830	2301468	84.42%	4.480%
13	13.685	13.600	13.742	BB	183799	2288234	83.93%	4.455%
14	14.786	14.703	14.850	BB	176511	2274121	83.41%	4.427%
15	15.805	15.720	15.868	BB	167191	2256079	82.75%	4.392%
16	16.753	16.688	16.817	BB	171170	2317339	85.00%	4.511%
17	17.639	17.570	17.703	BB	181028	2551406	93.58%	4.967%
18	18.472	18.395	18.532	BB	183317	2591991	95.07%	5.046%
19	19.253	19.190	19.318	BB	157170	2270153	83.27%	4.419%
20	19.991	19.937	20.032	BV	125941	1899475	69.67%	3.698%
21	20.714	20.648	20.780	BB	95584	1747204	64.09%	3.401%
22	21.598	21.515	21.698	BB	71612	1647056	60.41%	3.206%

Sum of corrected areas: 51367147

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Continuing Calibration Report for SequenceID : FC110824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067683.D**						
Aliphatic C9-C12	7306679.000	60.000	3.171	6.450	121777.983	135469.641	10.107
Aliphatic C12-C16	4818056.000	40.000	6.451	9.841	120451.400	131681.730	8.528
Aliphatic C16-C21	7034927.000	60.000	9.842	13.199	117248.783	127235.092	7.849
Aliphatic C21-C28	9100518.000	80.000	13.200	16.853	113756.475	120090.398	5.274
Aliphatic C28-C40	12781161.000	120.000	16.854	21.698	106509.675	101093.195	-5.358
Aliphatic EPH	41041341.000	360.000	3.171	21.698	114003.725	118799.912	4.037

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	09 Nov 2024 00:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067683.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.171	6.450	7306679.000	60.000	ug/ml
Aliphatic C12-C16	6.451	9.841	4818056.000	40.000	ug/ml
Aliphatic C16-C21	9.842	13.199	7034927.000	60.000	ug/ml
Aliphatic C21-C28	13.200	16.853	9100518.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.698	12781161.000	120.000	ug/ml
Aliphatic EPH	3.171	21.698	41041341.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067683.D
Signal(s) : FID1A.ch
Acq On : 09 Nov 2024 00:50
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 09 01:39:24 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			
9) S	ortho-Terphenyl (SURR)	11.490	2689810	18.332 ug/ml
Spiked Amount	50.000		Recovery =	36.66%
12) S	1-chlorooctadecane (S...	12.928	1991124	18.438 ug/ml
Spiked Amount	50.000		Recovery =	36.88%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	2384500	17.700 ug/ml
2) T	n-Decane (C10)	4.335	2468586	18.119 ug/ml
3) T	A~Naphthalene (C11.7)	5.912	2687357	18.135 ug/ml
4) T	n-Dodecane (C12)	6.350	2453593	18.115 ug/ml
5) T	A~2-methylnaphthalene...	6.967	2561332	18.137 ug/ml
6) T	n-Tetradecane (C14)	8.141	2393285	18.233 ug/ml
7) T	n-Hexadecane (C16)	9.739	2424771	18.355 ug/ml
8) T	n-Octadecane (C18)	11.178	2435152	18.432 ug/ml
10) T	n-Eicosane (C20)	12.486	2321827	18.401 ug/ml
11) T	n-Heneicosane (C21)	13.097	2277948	18.458 ug/ml
13) T	n-Docosane (C22)	13.682	2271896	18.554 ug/ml
14) T	n-Tetracosane (C24)	14.784	2266851	18.702 ug/ml
15) T	n-Hexacosane (C26)	15.802	2244772	18.855 ug/ml
16) T	n-Octacosane (C28)	16.750	2316999	19.694 ug/ml
17) T	n-Tricontane (C30)	17.637	2559915	21.179 ug/ml
18) T	n-Dotriacontane (C32)	18.468	2608202	22.044 ug/ml
19) T	n-Tetratriacontane (C34)	19.251	2282255	21.792 ug/ml
20) T	n-Hexatriacontane (C36)	19.988	1910294	20.986 ug/ml
21) T	n-Octatriacontane (C38)	20.709	1768265	20.418 ug/ml
22) T	n-Tetracontane (C40)	21.593	1652230	19.436 ug/ml

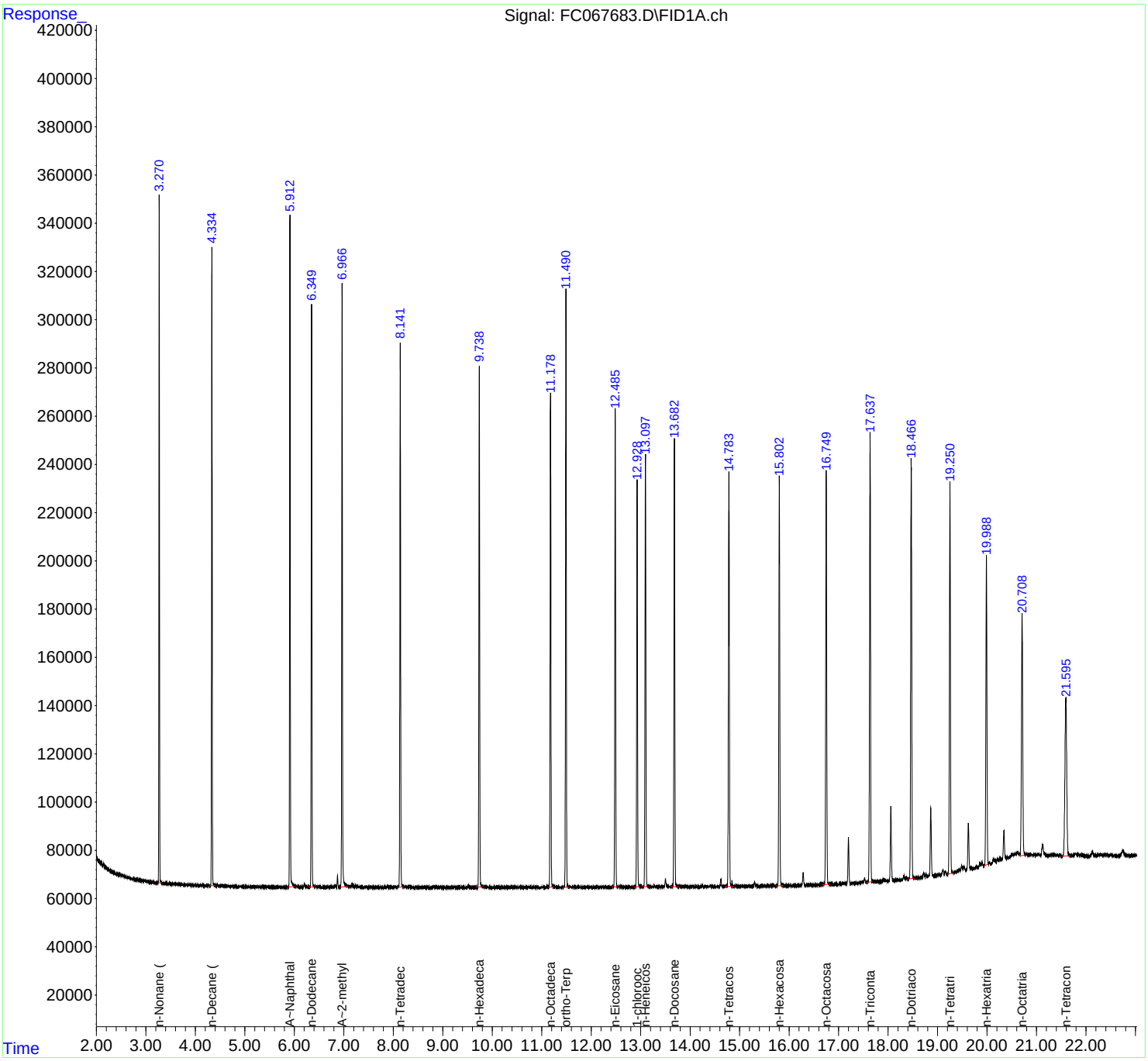
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067683.D
Signal(s) : FID1A.ch
Acq On : 09 Nov 2024 00:50
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 09 01:39:24 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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067683.D
Signal(s) : FID1A.ch
Acq On : 09 Nov 2024 00:50
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	3.271	3.245	3.325	BB	284552	2384500	88.65%	4.678%
2	4.335	4.285	4.399	BB	265362	2468586	91.78%	4.843%
3	5.912	5.859	6.009	BB	278391	2687357	99.91%	5.272%
4	6.350	6.287	6.410	BB	241513	2453593	91.22%	4.814%
5	6.967	6.920	7.077	BB	250595	2561332	95.22%	5.025%
6	8.141	8.087	8.214	BB	225558	2393285	88.98%	4.695%
7	9.739	9.680	9.805	BB	216421	2424771	90.15%	4.757%
8	11.178	11.134	11.247	BB	205040	2435152	90.53%	4.778%
9	11.490	11.422	11.549	BB	248609	2689810	100.00%	5.277%
10	12.486	12.422	12.540	BB	197316	2321827	86.32%	4.555%
11	12.928	12.859	12.984	BB	168069	1991124	74.02%	3.906%
12	13.097	13.035	13.157	BB	178271	2277948	84.69%	4.469%
13	13.682	13.597	13.757	BB	184646	2271896	84.46%	4.457%
14	14.784	14.702	14.869	BB	171561	2266851	84.28%	4.447%
15	15.802	15.737	15.880	BB	170052	2244772	83.45%	4.404%
16	16.750	16.665	16.817	BB	170790	2316999	86.14%	4.546%
17	17.637	17.564	17.682	BB	186324	2559915	95.17%	5.022%
18	18.468	18.390	18.530	BB	173342	2608202	96.97%	5.117%
19	19.251	19.189	19.322	BB	160720	2282255	84.85%	4.478%
20	19.988	19.934	20.030	BV	128670	1910294	71.02%	3.748%
21	20.709	20.659	20.780	VB	100006	1768265	65.74%	3.469%
22	21.593	21.507	21.677	BB	63835	1652230	61.43%	3.242%
					Sum of corrected areas:	50970966		

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Continuing Calibration Report for SequenceID : FC111124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067686.D**						
Aliphatic C9-C12	8560870.000	60.000	3.170	6.450	142681.167	135469.641	-5.323
Aliphatic C12-C16	5589068.000	40.000	6.451	9.840	139726.700	131681.730	-6.109
Aliphatic C16-C21	8067406.000	60.000	9.841	13.198	134456.767	127235.092	-5.676
Aliphatic C21-C28	10134643.000	80.000	13.199	16.853	126683.038	120090.398	-5.490
Aliphatic C28-C40	12758319.000	120.000	16.854	21.695	106319.325	101093.195	-5.170
Aliphatic EPH	45110306.000	360.000	3.170	21.695	125306.406	118799.912	-5.477

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:	11 Nov 2024 09:10
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067686.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.170	6.450	8560870.000	60.000	ug/ml
Aliphatic C12-C16	6.451	9.840	5589068.000	40.000	ug/ml
Aliphatic C16-C21	9.841	13.198	8067406.000	60.000	ug/ml
Aliphatic C21-C28	13.199	16.853	10134643.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	12758319.000	120.000	ug/ml
Aliphatic EPH	3.170	21.695	45110306.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067686.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:10
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 11 20:43:22 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)	11.491	3054560	20.817 ug/ml
Spiked Amount	50.000		Recovery =	41.63%
12) S	1-chlorooctadecane (S...	12.930	2238084	20.725 ug/ml
Spiked Amount	50.000		Recovery =	41.45%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	2824623	20.967 ug/ml
2) T	n-Decane (C10)	4.334	2874481	21.098 ug/ml
3) T	A~Naphthalene (C11.7)	5.912	3105397	20.956 ug/ml
4) T	n-Dodecane (C12)	6.350	2861766	21.129 ug/ml
5) T	A~2-methylnaphthalene...	6.967	2945397	20.857 ug/ml
6) T	n-Tetradecane (C14)	8.142	2780125	21.180 ug/ml
7) T	n-Hexadecane (C16)	9.740	2808943	21.263 ug/ml
8) T	n-Octadecane (C18)	11.181	2798732	21.184 ug/ml
10) T	n-Eicosane (C20)	12.487	2659831	21.080 ug/ml
11) T	n-Heneicosane (C21)	13.098	2608843	21.139 ug/ml
13) T	n-Docosane (C22)	13.684	2580033	21.070 ug/ml
14) T	n-Tetracosane (C24)	14.785	2552393	21.058 ug/ml
15) T	n-Hexacosane (C26)	15.804	2511584	21.096 ug/ml
16) T	n-Octacosane (C28)	16.753	2490633	21.170 ug/ml
17) T	n-Tricontane (C30)	17.638	2572632	21.284 ug/ml
18) T	n-Dotriacontane (C32)	18.470	2509144	21.206 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	2225728	21.253 ug/ml
20) T	n-Hexatriacontane (C36)	19.990	1906225	20.941 ug/ml
21) T	n-Octatriacontane (C38)	20.713	1799633	20.780 ug/ml
22) T	n-Tetracontane (C40)	21.595	1744957	20.526 ug/ml

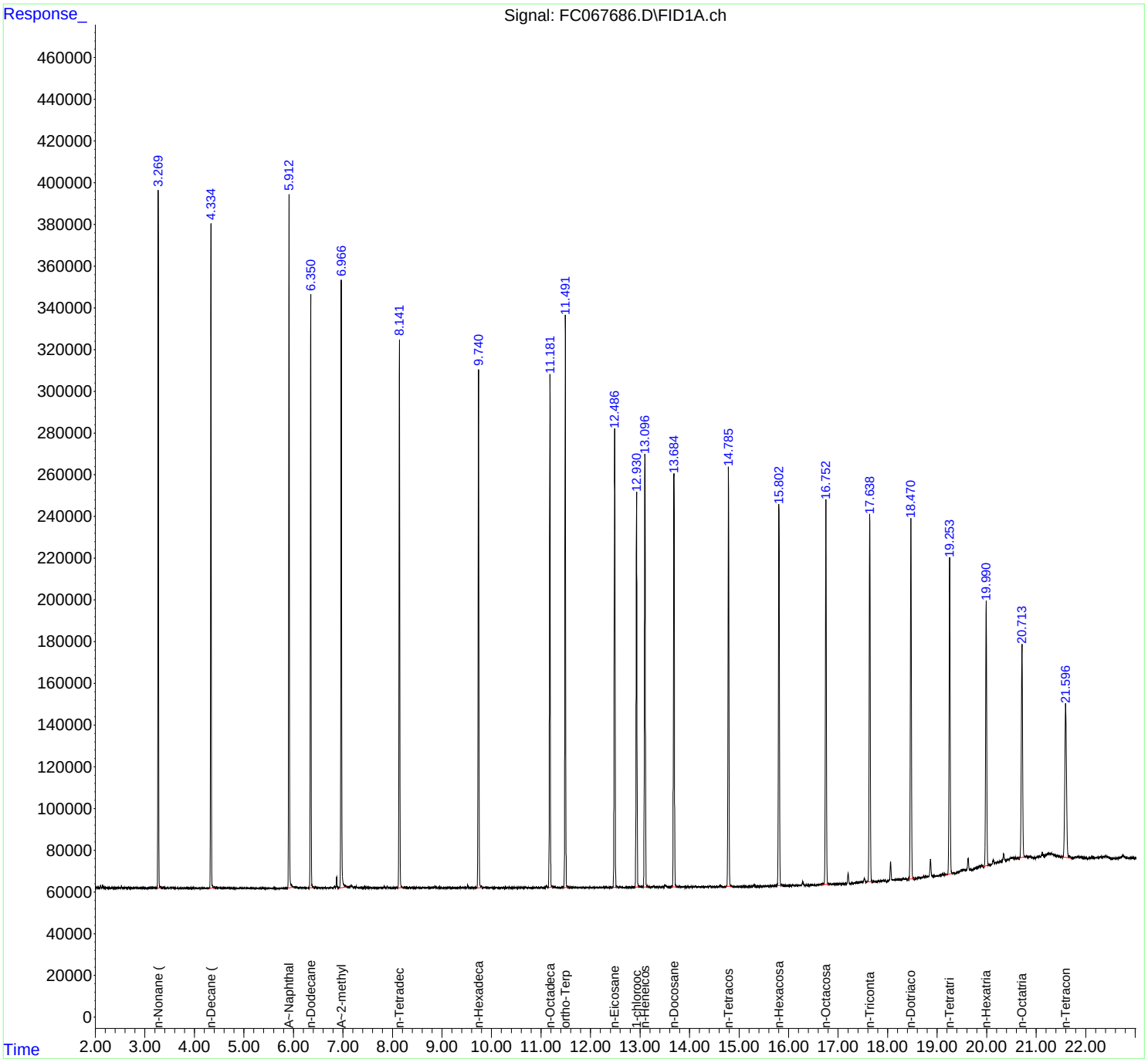
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067686.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:10
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 11 20:43:22 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\FC111124AL\
Data File : FC067686.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:10
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	3.270	3.245	3.329	BB	334188	2824623	90.96%	5.003%
2	4.334	4.297	4.404	BB	317249	2874481	92.56%	5.092%
3	5.912	5.880	6.007	BB	332312	3105397	100.00%	5.501%
4	6.350	6.314	6.410	BB	285325	2861766	92.15%	5.069%
5	6.967	6.920	7.072	BB	291841	2945397	94.85%	5.217%
6	8.142	8.107	8.214	BB	262763	2780125	89.53%	4.925%
7	9.740	9.704	9.807	BB	248782	2808943	90.45%	4.976%
8	11.181	11.144	11.239	BB	244410	2798732	90.12%	4.958%
9	11.491	11.440	11.552	BB	274561	3054560	98.36%	5.411%
10	12.487	12.442	12.534	BB	219817	2659831	85.65%	4.712%
11	12.930	12.890	12.982	BB	190015	2238084	72.07%	3.964%
12	13.098	13.059	13.160	BB	207542	2608843	84.01%	4.621%
13	13.684	13.644	13.742	BB	197693	2580033	83.08%	4.570%
14	14.785	14.745	14.847	BB	200313	2552393	82.19%	4.521%
15	15.804	15.764	15.867	BB	181146	2511584	80.88%	4.449%
16	16.753	16.667	16.815	BB	184440	2490633	80.20%	4.412%
17	17.638	17.569	17.704	BB	176154	2572632	82.84%	4.557%
18	18.470	18.402	18.534	BB	173544	2509144	80.80%	4.445%
19	19.253	19.182	19.324	BB	152136	2225728	71.67%	3.943%
20	19.990	19.927	20.039	BB	126638	1906225	61.38%	3.377%
21	20.713	20.640	20.769	BB	102377	1799633	57.95%	3.188%
22	21.595	21.514	21.717	BB	73658	1744957	56.19%	3.091%
			Sum of corrected areas:			56453743		

Aliphatic EPH 102324.M Tue Nov 12 01:24:39 2024

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

Continuing Calibration Report for SequenceID : FC111124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067693.D**						
Aliphatic C9-C12	8271307.000	60.000	3.170	6.450	137855.117	135469.641	-1.761
Aliphatic C12-C16	5396973.000	40.000	6.451	9.840	134924.325	131681.730	-2.462
Aliphatic C16-C21	7819384.000	60.000	9.841	13.198	130323.067	127235.092	-2.427
Aliphatic C21-C28	9814622.000	80.000	13.199	16.853	122682.775	120090.398	-2.159
Aliphatic C28-C40	12463555.000	120.000	16.854	21.695	103862.958	101093.195	-2.740
Aliphatic EPH	43765841.000	360.000	3.170	21.695	121571.781	118799.912	-2.333

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:	11 Nov 2024 14:05
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067693.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.170	6.450	8271307.000	60.000	ug/ml
Aliphatic C12-C16	6.451	9.840	5396973.000	40.000	ug/ml
Aliphatic C16-C21	9.841	13.198	7819384.000	60.000	ug/ml
Aliphatic C21-C28	13.199	16.853	9814622.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	12463555.000	120.000	ug/ml
Aliphatic EPH	3.170	21.695	43765841.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067693.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 14:05
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 11 20:44:39 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)	11.491	2969962	20.241 ug/ml
Spiked Amount	50.000		Recovery =	40.48%
12) S	1-chlorooctadecane (S...	12.931	2175788	20.148 ug/ml
Spiked Amount	50.000		Recovery =	40.30%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	2728843	20.256 ug/ml
2) T	n-Decane (C10)	4.335	2775779	20.373 ug/ml
3) T	A~Naphthalene (C11.7)	5.912	3015339	20.348 ug/ml
4) T	n-Dodecane (C12)	6.350	2766685	20.427 ug/ml
5) T	A~2-methylnaphthalene...	6.968	2864809	20.286 ug/ml
6) T	n-Tetradecane (C14)	8.143	2686691	20.468 ug/ml
7) T	n-Hexadecane (C16)	9.741	2710282	20.516 ug/ml
8) T	n-Octadecane (C18)	11.180	2718857	20.580 ug/ml
10) T	n-Eicosane (C20)	12.488	2578804	20.438 ug/ml
11) T	n-Heneicosane (C21)	13.099	2521723	20.433 ug/ml
13) T	n-Docosane (C22)	13.685	2496079	20.385 ug/ml
14) T	n-Tetracosane (C24)	14.787	2471040	20.386 ug/ml
15) T	n-Hexacosane (C26)	15.805	2430708	20.417 ug/ml
16) T	n-Octacosane (C28)	16.754	2416795	20.543 ug/ml
17) T	n-Tricontane (C30)	17.639	2513534	20.795 ug/ml
18) T	n-Dotriacontane (C32)	18.471	2459220	20.784 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	2176002	20.778 ug/ml
20) T	n-Hexatriacontane (C36)	19.992	1874299	20.591 ug/ml
21) T	n-Octatriacontane (C38)	20.713	1756310	20.280 ug/ml
22) T	n-Tetracontane (C40)	21.597	1684190	19.812 ug/ml

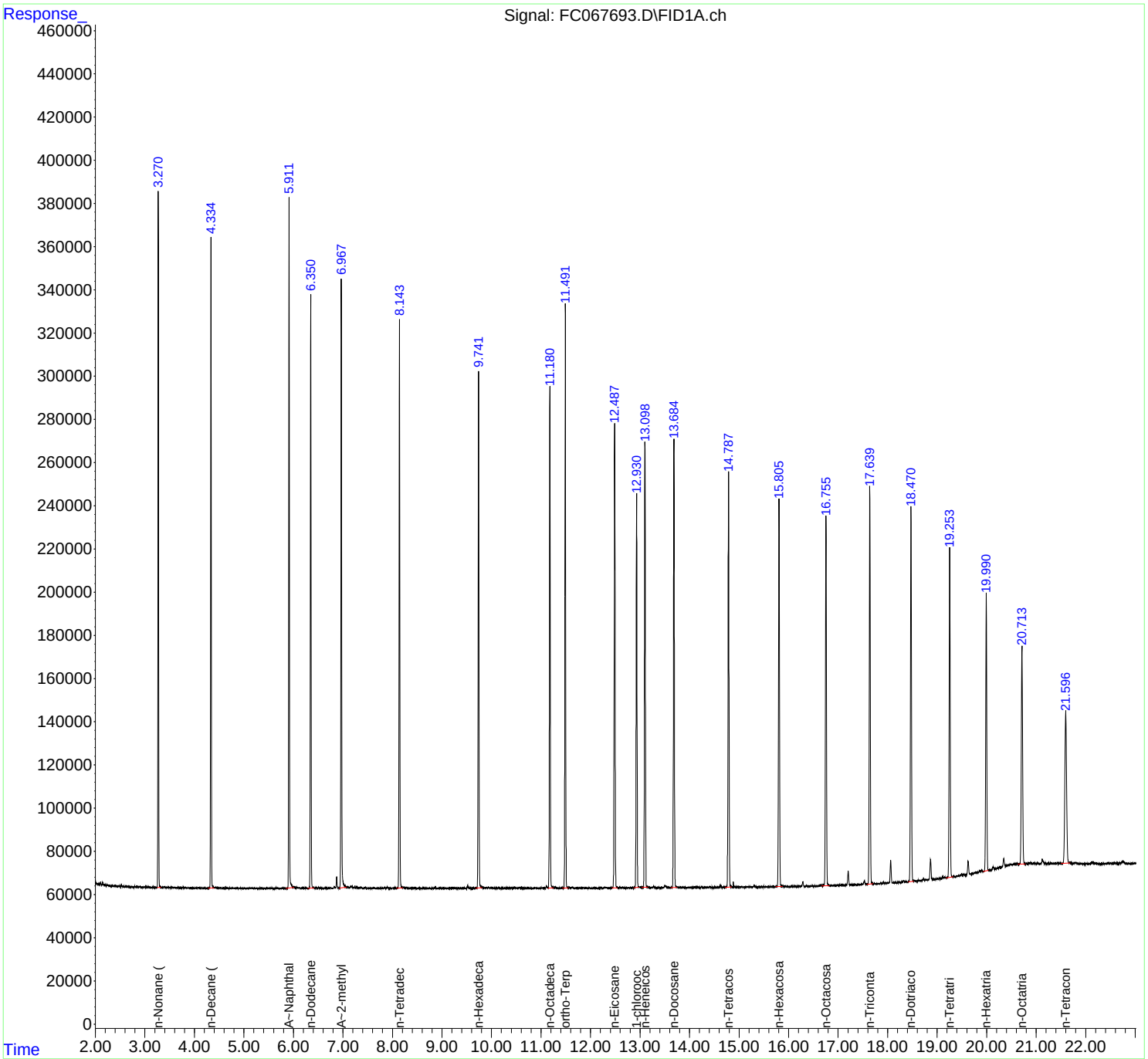
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111124AL\
Data File : FC067693.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 14:05
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 11 20:44:39 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\FC111124AL\
Data File : FC067693.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 14:05
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	3.271	3.245	3.327	BB	321766	2728843	90.50%	4.980%
2	4.335	4.274	4.399	BB	299610	2775779	92.06%	5.066%
3	5.912	5.852	6.005	BB	319704	3015339	100.00%	5.503%
4	6.350	6.287	6.415	BB	274779	2766685	91.75%	5.049%
5	6.968	6.920	7.070	BB	280903	2864809	95.01%	5.229%
6	8.143	8.089	8.209	BB	261945	2686691	89.10%	4.903%
7	9.741	9.684	9.812	BB	238118	2710282	89.88%	4.947%
8	11.180	11.145	11.255	BB	232349	2718857	90.17%	4.962%
9	11.491	11.435	11.555	BB	269615	2969962	98.50%	5.420%
10	12.488	12.427	12.547	BB	212497	2578804	85.52%	4.707%
11	12.931	12.872	12.975	BB	182981	2175788	72.16%	3.971%
12	13.099	13.032	13.157	BB	204785	2521723	83.63%	4.602%
13	13.685	13.624	13.752	BB	206457	2496079	82.78%	4.556%
14	14.787	14.722	14.852	BB	192596	2471040	81.95%	4.510%
15	15.805	15.745	15.879	BB	179061	2430708	80.61%	4.436%
16	16.754	16.670	16.830	BB	170170	2416795	80.15%	4.411%
17	17.639	17.579	17.702	BB	183566	2513534	83.36%	4.587%
18	18.471	18.414	18.529	BB	172924	2459220	81.56%	4.488%
19	19.253	19.185	19.315	BB	151187	2176002	72.16%	3.971%
20	19.992	19.925	20.034	BB	127615	1874299	62.16%	3.421%
21	20.713	20.632	20.784	BB	100877	1756310	58.25%	3.205%
22	21.597	21.509	21.687	BB	70457	1684190	55.85%	3.074%
			Sum of corrected areas:			54791737		

Aliphatic EPH 102324.M Tue Nov 12 01:25:19 2024

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

Continuing Calibration Report for SequenceID : FD110824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048672.D**						
Aromatic C10-C12	7919867.000	40.000	4.092	5.810	197996.675	176202.694	-12.369
Aromatic C12-C16	11889358.000	60.000	5.811	8.415	198155.967	177273.493	-11.780
Aromatic C16-C21	13817573.000	80.000	8.416	12.678	172719.663	163832.550	-5.425
Aromatic C21-C36	31272382.000	180.000	12.679	18.083	173735.456	152713.153	-13.766
Aromatic EPH	64899180.000	360.000	4.092	18.083	180275.500	161887.469	-11.359

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	08 Nov 2024 13:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048672.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.092	5.810	7919867.000	40.000	ug/ml
Aromatic C12-C16	5.811	8.415	11889358.000	60.000	ug/ml
Aromatic C16-C21	8.416	12.678	13817573.000	80.000	ug/ml
Aromatic C21-C36	12.679	18.083	31272382.000	180.000	ug/ml
Aromatic EPH	4.092	18.083	64899180.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048672.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 13:17
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: sample.E
Quant Time: Nov 09 01:07:01 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...	7.369	3379477	22.266 ug/ml
Spiked Amount	50.000		Recovery =	44.53%
6) S	2-Flurobiphenyl (SURR)	8.220	2180511	22.207 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	44.41%
11) S	ortho-Terphenyl (SURR)	11.254	3833749	22.506 ug/ml
Spiked Amount	50.000		Recovery =	45.01%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.192	3916264	22.511 ug/ml
2) T	Naphthalene (C11.7)	5.710	4003603	22.437 ug/ml
3) T	2-Methylnaphthalene (...	6.757	4006272	22.398 ug/ml
5) T	Acenaphthylene (C15.06)	8.021	3887202	22.138 ug/ml
7) T	Acenaphthene (C15.5)	8.315	3995884	22.529 ug/ml
8) T	Flouorene (C16.55)	9.094	3762343	22.258 ug/ml
9) T	Phenanthrene (C19.36)	10.481	3674555	22.229 ug/ml
10) T	Anthracene (C19.43)	10.557	2749868	17.196 ug/ml
12) T	Fluoranthene (C21.85)	12.285	3709438	22.539 ug/ml
13) T	Pyrene (C20.8)	12.577	3630807	22.541 ug/ml
14) T	Benzo[a]anthracene (C...	14.448	3229386	22.086 ug/ml
15) T	Chrysene (C27.41)	14.489	3742648	22.753 ug/ml
16) T	benzo[b]fluoranthene ...	15.995	3501970	23.035 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.026	3434841	22.853 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.371	3444841	22.890 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.735	2831531	21.701 ug/ml
20) T	Dibenz[a,h]anthracene...	17.774	3833559	23.557 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.985	3544168	23.151 ug/ml

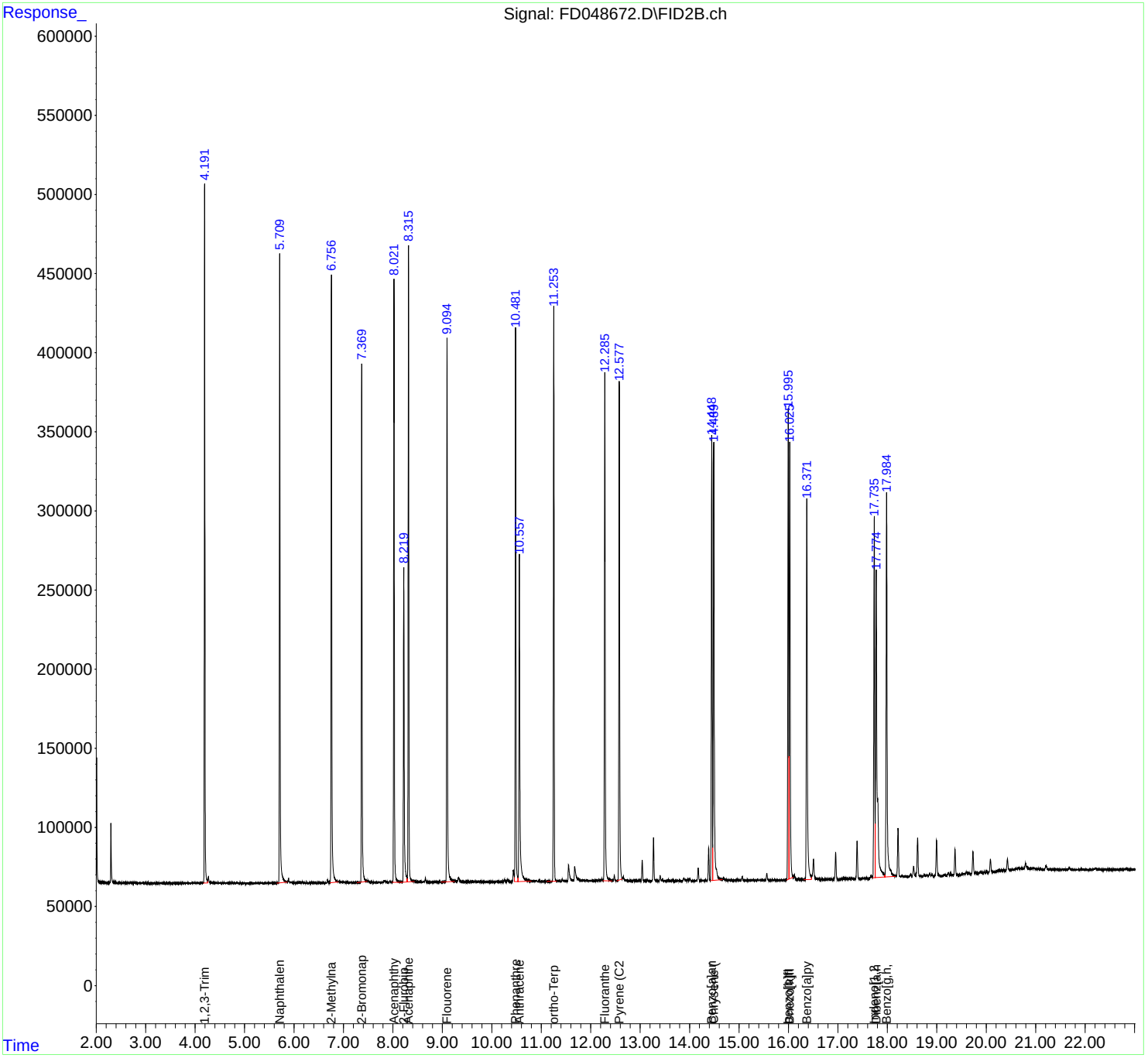
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048672.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 13:17
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: sample.E
Quant Time: Nov 09 01:07:01 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\FD110824AR\
Data File : FD048672.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 13:17
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 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	4.192	4.161	4.254	BV	440366	3916264	97.75%	5.271%
2	5.710	5.648	5.868	BV	393915	4003603	99.93%	5.389%
3	6.757	6.721	6.894	BV	379996	4006272	100.00%	5.393%
4	7.369	7.272	7.478	PV	323589	3379477	84.35%	4.549%
5	8.021	7.981	8.171	BB	380804	3887202	97.03%	5.232%
6	8.220	8.171	8.287	BV	198045	2180511	54.43%	2.935%
7	8.315	8.287	8.438	VB	400204	3995884	99.74%	5.379%
8	9.094	8.978	9.248	BV	343003	3762343	93.91%	5.064%
9	10.481	10.458	10.530	VV	349347	3674555	91.72%	4.946%
10	10.557	10.530	10.798	VB	206668	2749868	68.64%	3.701%
11	11.254	11.118	11.315	BB	362302	3833749	95.69%	5.160%
12	12.285	12.246	12.428	PV	318390	3709438	92.59%	4.993%
13	12.577	12.528	12.640	PV	315350	3630807	90.63%	4.887%
14	14.448	14.416	14.468	PV	281877	3229386	80.61%	4.347%
15	14.489	14.468	14.668	VB	274969	3742648	93.42%	5.038%
16	15.995	15.961	16.010	BV	296863	3501970	87.41%	4.714%
17	16.026	16.010	16.097	VV	276797	3434841	85.74%	4.623%
18	16.371	16.308	16.464	BV	240273	3444841	85.99%	4.637%
19	17.735	17.701	17.754	BV	226259	2831531	70.68%	3.811%
20	17.774	17.754	17.950	VV	194710	3833559	95.69%	5.160%
21	17.985	17.950	18.168	VV	243852	3544168	88.47%	4.771%
			Sum of corrected areas:			74292918		

Aromatic EPH 102324.M Sat Nov 09 03:24:18 2024

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

Continuing Calibration Report for SequenceID : FD110824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048686.D**						
Aromatic C10-C12	7558477.000	40.000	4.092	5.810	188961.925	176202.694	-7.241
Aromatic C12-C16	11312555.000	60.000	5.811	8.415	188542.583	177273.493	-6.357
Aromatic C16-C21	13328267.000	80.000	8.416	12.678	166603.338	163832.550	-1.691
Aromatic C21-C36	30539691.000	180.000	12.679	18.083	169664.950	152713.153	-11.100
Aromatic EPH	62738990.000	360.000	4.092	18.083	174274.972	161887.469	-7.652

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:	09 Nov 2024 00:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048686.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.092	5.810	7558477.000	40.000	ug/ml
Aromatic C12-C16	5.811	8.415	11312555.000	60.000	ug/ml
Aromatic C16-C21	8.416	12.678	13328267.000	80.000	ug/ml
Aromatic C21-C36	12.679	18.083	30539691.000	180.000	ug/ml
Aromatic EPH	4.092	18.083	62738990.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048686.D
Signal(s) : FID2B.ch
Acq On : 09 Nov 2024 00:50
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: sample.E
Quant Time: Nov 09 01:31:01 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...	7.368	3238811	21.339 ug/ml
Spiked Amount	50.000		Recovery =	42.68%
6) S	2-Flurobiphenyl (SURR)	8.218	2119854	21.589 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	43.18%
11) S	ortho-Terphenyl (SURR)	11.252	3665698	21.520 ug/ml
Spiked Amount	50.000		Recovery =	43.04%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.191	3731085	21.447 ug/ml
2) T	Naphthalene (C11.7)	5.709	3827392	21.450 ug/ml
3) T	2-Methylnaphthalene (...	6.755	3820158	21.358 ug/ml
5) T	Acenaphthylene (C15.06)	8.020	3709738	21.127 ug/ml
7) T	Acenaphthene (C15.5)	8.314	3782659	21.327 ug/ml
8) T	Flouorene (C16.55)	9.092	3639909	21.533 ug/ml
9) T	Phenanthrene (C19.36)	10.479	3555026	21.506 ug/ml
10) T	Anthracene (C19.43)	10.554	2613389	16.343 ug/ml
12) T	Fluoranthene (C21.85)	12.283	3617397	21.980 ug/ml
13) T	Pyrene (C20.8)	12.576	3519943	21.852 ug/ml
14) T	Benzo[a]anthracene (C...	14.445	3184930	21.782 ug/ml
15) T	Chrysene (C27.41)	14.487	3398424	20.660 ug/ml
16) T	benzo[b]fluoranthene ...	15.992	3430253	22.563 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.024	3374820	22.453 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.368	3386443	22.502 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.733	2982713	22.860 ug/ml
20) T	Dibenz[a,h]anthracene...	17.772	3835072	23.566 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.984	3329639	21.749 ug/ml

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

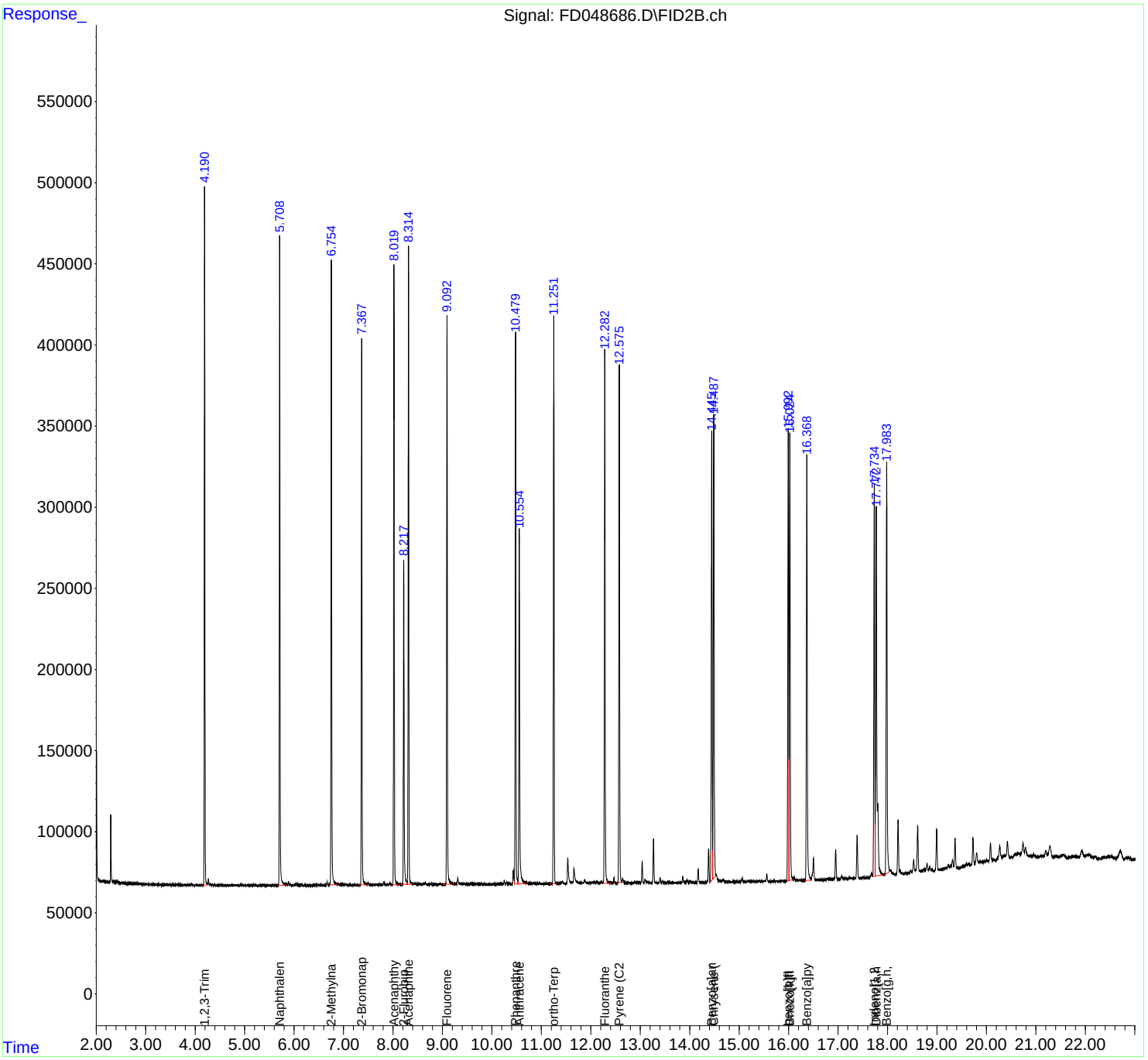
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048686.D
Signal(s) : FID2B.ch
Acq On : 09 Nov 2024 00:50
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: sample.E
Quant Time: Nov 09 01:31:01 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\FD110824AR\
Data File : FD048686.D
Signal(s) : FID2B.ch
Acq On : 09 Nov 2024 00:50
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 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	4.191	4.161	4.246	BV	428150	3731085	97.29%	5.199%
2	5.709	5.664	5.854	BB	399489	3827392	99.80%	5.333%
3	6.755	6.708	6.874	BV	383869	3820158	99.61%	5.323%
4	7.368	7.301	7.471	BV	336534	3238811	84.45%	4.513%
5	8.020	7.974	8.141	BB	380084	3709738	96.73%	5.169%
6	8.218	8.154	8.288	BV	199219	2119854	55.28%	2.954%
7	8.314	8.288	8.431	VB	394022	3782659	98.63%	5.271%
8	9.093	9.004	9.234	BB	345463	3639909	94.91%	5.072%
9	10.479	10.454	10.526	VV	337167	3555026	92.70%	4.954%
10	10.554	10.526	10.718	VB	218795	2613389	68.14%	3.642%
11	11.252	11.174	11.311	BB	347828	3665698	95.58%	5.108%
12	12.283	12.240	12.438	VV	325762	3617397	94.32%	5.041%
13	12.576	12.528	12.624	PV	317175	3519943	91.78%	4.905%
14	14.445	14.412	14.465	PV	275718	3184930	83.05%	4.438%
15	14.487	14.465	14.531	VV	285575	3398424	88.61%	4.736%
16	15.992	15.961	16.008	BV	276789	3430253	89.44%	4.780%
17	16.024	16.008	16.094	VV	277034	3374820	88.00%	4.703%
18	16.368	16.321	16.458	BV	260262	3386443	88.30%	4.719%
19	17.733	17.701	17.751	BV	243524	2982713	77.77%	4.156%
20	17.772	17.751	17.948	VV	226465	3835072	100.00%	5.344%
21	17.984	17.948	18.051	PV	254175	3329639	86.82%	4.640%
			Sum of corrected areas:			71763354		

Aromatic EPH 102324.M Sat Nov 09 03:27:18 2024

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

Continuing Calibration Report for SequenceID : FD111124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048689.D**						
Aromatic C10-C12	7120820.000	40.000	4.090	5.808	178020.500	176202.694	-1.032
Aromatic C12-C16	10580549.000	60.000	5.809	8.414	176342.483	177273.493	0.525
Aromatic C16-C21	12679055.000	80.000	8.415	12.677	158488.188	163832.550	3.262
Aromatic C21-C36	27496895.000	180.000	12.678	18.084	152760.528	152713.153	-0.031
Aromatic EPH	57877319.000	360.000	4.090	18.084	160770.331	161887.469	0.690

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:	11 Nov 2024 09:10
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048689.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.090	5.808	7120820.000	40.000	ug/ml
Aromatic C12-C16	5.809	8.414	10580549.000	60.000	ug/ml
Aromatic C16-C21	8.415	12.677	12679055.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.084	27496895.000	180.000	ug/ml
Aromatic EPH	4.090	18.084	57877319.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048689.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:10
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 11 20:44:34 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...	7.367	3017934	19.884 ug/ml
Spiked Amount	50.000		Recovery =	39.77%
6) S	2-Flurobiphenyl (SURR)	8.218	1938268	19.740 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.48%
11) S	ortho-Terphenyl (SURR)	11.252	3408150	20.008 ug/ml
Spiked Amount	50.000		Recovery =	40.02%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.190	3530865	20.296 ug/ml
2) T	Naphthalene (C11.7)	5.708	3589955	20.119 ug/ml
3) T	2-Methylnaphthalene (...	6.755	3559196	19.899 ug/ml
5) T	Acenaphthylene (C15.06)	8.020	3487503	19.861 ug/ml
7) T	Acenaphthene (C15.5)	8.314	3533850	19.924 ug/ml
8) T	Flouorene (C16.55)	9.093	3327955	19.688 ug/ml
9) T	Phenanthrene (C19.36)	10.479	3266541	19.761 ug/ml
10) T	Anthracene (C19.43)	10.555	2843604	17.783 ug/ml
12) T	Fluoranthene (C21.85)	12.284	3283103	19.949 ug/ml
13) T	Pyrene (C20.8)	12.577	3240955	20.120 ug/ml
14) T	Benzo[a]anthracene (C...	14.446	2895459	19.803 ug/ml
15) T	Chrysene (C27.41)	14.487	3221211	19.583 ug/ml
16) T	benzo[b]fluoranthene ...	15.993	3134700	20.619 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.024	3063111	20.379 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.369	3044849	20.232 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.734	2566633	19.671 ug/ml
20) T	Dibenz[a,h]anthracene...	17.774	3114876	19.141 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.984	3172953	20.726 ug/ml

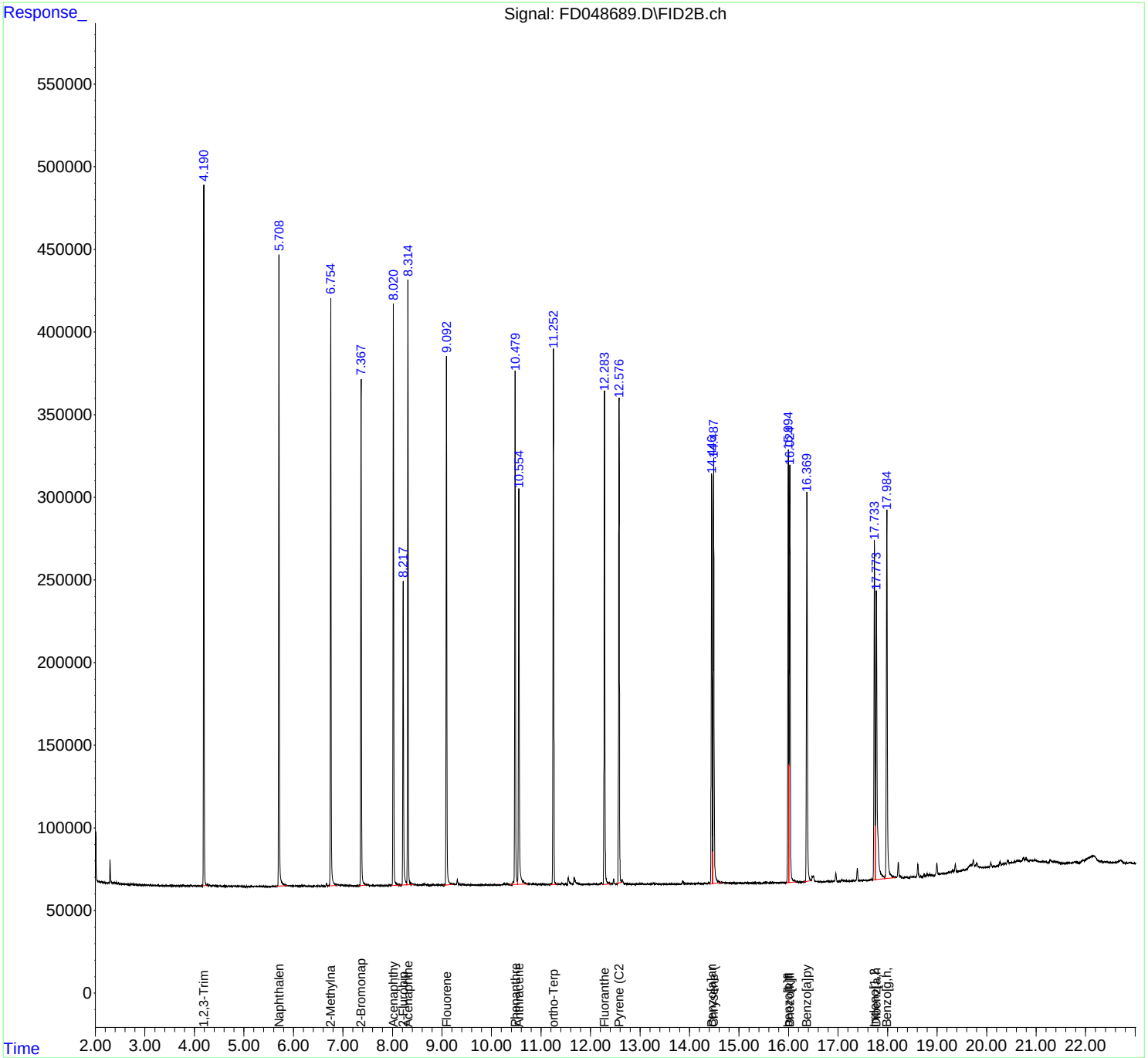
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048689.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:10
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 11 20:44:34 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\FD111124AR\
Data File : FD048689.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:10
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	4.190	4.161	4.258	BV	418092	3530865	98.35%	5.330%
2	5.708	5.641	5.875	BB	379765	3589955	100.00%	5.419%
3	6.755	6.705	6.878	BV	354616	3559196	99.14%	5.373%
4	7.367	7.321	7.475	BB	305855	3017934	84.07%	4.556%
5	8.020	7.985	8.158	BB	351497	3487503	97.15%	5.265%
6	8.218	8.161	8.285	BV	182443	1938268	53.99%	2.926%
7	8.314	8.285	8.435	VB	365662	3533850	98.44%	5.335%
8	9.093	9.018	9.231	BB	317913	3327955	92.70%	5.024%
9	10.479	10.368	10.527	BV	308269	3266541	90.99%	4.931%
10	10.555	10.527	10.745	VB	239227	2843604	79.21%	4.293%
11	11.252	11.185	11.331	BB	323003	3408150	94.94%	5.145%
12	12.284	12.246	12.425	PB	296825	3283103	91.45%	4.956%
13	12.577	12.525	12.626	BV	294183	3240955	90.28%	4.893%
14	14.446	14.407	14.466	PV	247822	2895459	80.65%	4.371%
15	14.487	14.466	14.645	VB	258124	3221211	89.73%	4.863%
16	15.994	15.961	16.008	BV	262842	3134700	87.32%	4.732%
17	16.024	16.008	16.155	VB	253024	3063111	85.32%	4.624%
18	16.369	16.298	16.448	BV	232313	3044849	84.82%	4.597%
19	17.734	17.701	17.753	BV	206347	2566633	71.49%	3.875%
20	17.774	17.753	17.948	VV	172953	3114876	86.77%	4.702%
21	17.984	17.948	18.158	VV	223170	3172953	88.38%	4.790%
			Sum of corrected areas:			66241673		

Aromatic EPH 102324.M Tue Nov 12 03:22:36 2024

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

Continuing Calibration Report for SequenceID : FD111124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048697.D**						
Aromatic C10-C12	7290867.000	40.000	4.090	5.808	182271.675	176202.694	-3.444
Aromatic C12-C16	10907854.000	60.000	5.809	8.414	181797.567	177273.493	-2.552
Aromatic C16-C21	13147714.000	80.000	8.415	12.677	164346.425	163832.550	-0.314
Aromatic C21-C36	28755761.000	180.000	12.678	18.084	159754.228	152713.153	-4.611
Aromatic EPH	60102196.000	360.000	4.090	18.084	166950.544	161887.469	-3.128

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:	11 Nov 2024 14:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048697.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.090	5.808	7290867.000	40.000	ug/ml
Aromatic C12-C16	5.809	8.414	10907854.000	60.000	ug/ml
Aromatic C16-C21	8.415	12.677	13147714.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.084	28755761.000	180.000	ug/ml
Aromatic EPH	4.090	18.084	60102196.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048697.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 14:42
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 11 20:46:10 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...	7.369	3126804	20.601 ug/ml
Spiked Amount	50.000		Recovery =	41.20%
6) S	2-Flurobiphenyl (SURR)	8.218	2019103	20.563 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	41.13%
11) S	ortho-Terphenyl (SURR)	11.254	3516786	20.646 ug/ml
Spiked Amount	50.000		Recovery =	41.29%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.191	3623935	20.831 ug/ml
2) T	Naphthalene (C11.7)	5.709	3666932	20.551 ug/ml
3) T	2-Methylnaphthalene (...	6.756	3657697	20.449 ug/ml
5) T	Acenaphthylene (C15.06)	8.021	3597136	20.486 ug/ml
7) T	Acenaphthene (C15.5)	8.314	3653021	20.596 ug/ml
8) T	Flouorene (C16.55)	9.093	3476608	20.567 ug/ml
9) T	Phenanthrene (C19.36)	10.481	3370554	20.390 ug/ml
10) T	Anthracene (C19.43)	10.556	2965208	18.543 ug/ml
12) T	Fluoranthene (C21.85)	12.284	3388801	20.591 ug/ml
13) T	Pyrene (C20.8)	12.578	3335344	20.706 ug/ml
14) T	Benzo[a]anthracene (C...	14.448	3012377	20.602 ug/ml
15) T	Chrysene (C27.41)	14.489	3355029	20.396 ug/ml
16) T	benzo[b]fluoranthene ...	15.994	3215265	21.149 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.026	3181249	21.165 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.371	3195257	21.232 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.735	2698523	20.682 ug/ml
20) T	Dibenz[a,h]anthracene...	17.775	3436522	21.117 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.985	3272738	21.378 ug/ml

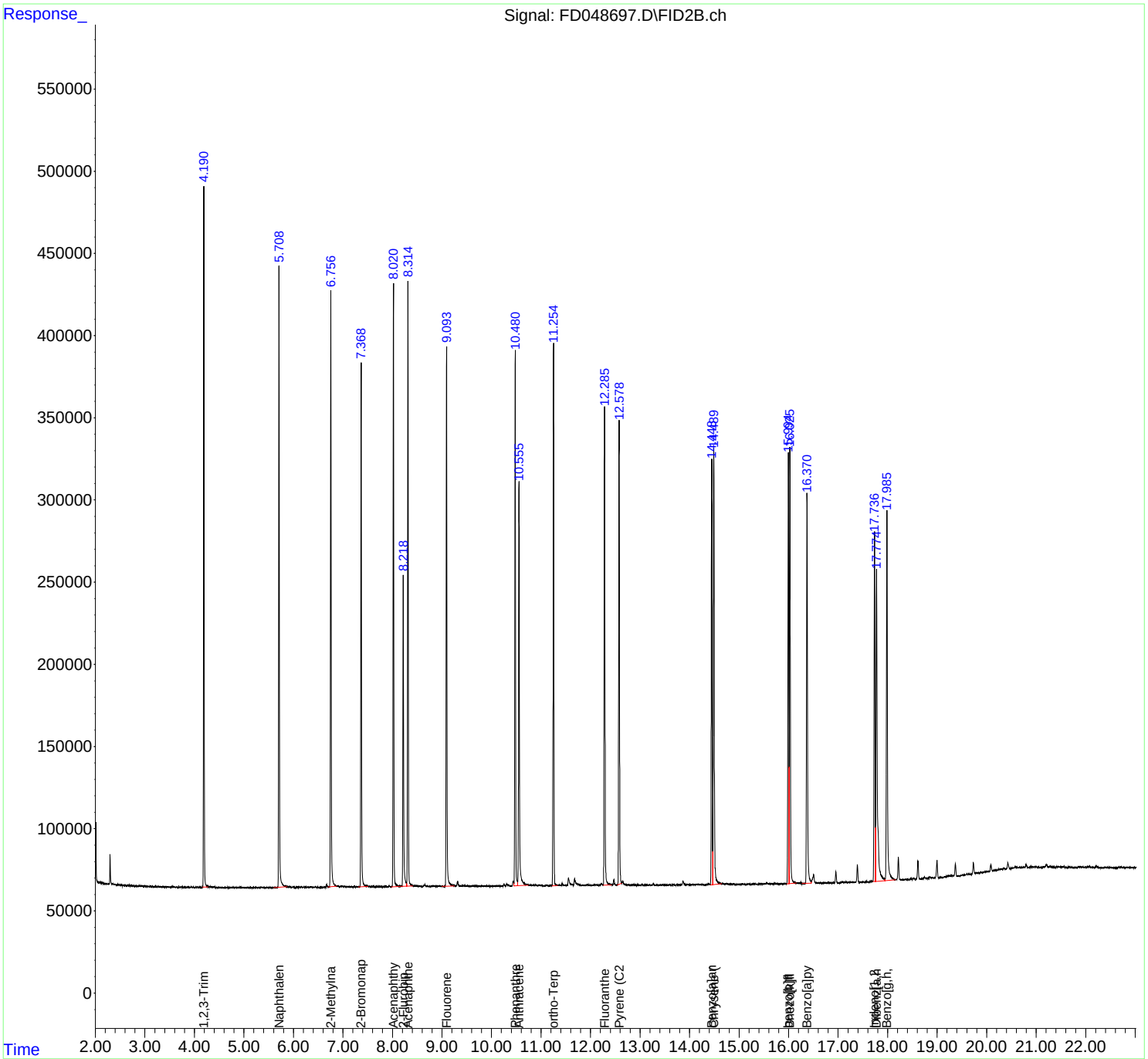
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
Data File : FD048697.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 14:42
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 11 20:46:10 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\FD111124AR\
Data File : FD048697.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 14:42
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	4.191	4.161	4.281	BB	424111	3623935	98.83%	5.270%
2	5.709	5.598	5.878	BB	376368	3666932	100.00%	5.333%
3	6.756	6.701	6.881	BV	360108	3657697	99.75%	5.319%
4	7.369	7.315	7.511	BB	317355	3126804	85.27%	4.547%
5	8.021	7.978	8.161	BB	367235	3597136	98.10%	5.231%
6	8.218	8.165	8.288	BV	189111	2019103	55.06%	2.936%
7	8.314	8.288	8.418	VB	368215	3653021	99.62%	5.312%
8	9.093	8.995	9.255	BB	326354	3476608	94.81%	5.056%
9	10.481	10.453	10.528	VV	325910	3370554	91.92%	4.902%
10	10.556	10.528	10.741	VB	246005	2965208	80.86%	4.312%
11	11.254	11.214	11.341	PV	330146	3516786	95.91%	5.114%
12	12.284	12.251	12.425	PB	290969	3388801	92.42%	4.928%
13	12.578	12.531	12.633	BV	281521	3335344	90.96%	4.850%
14	14.448	14.413	14.467	PV	259955	3012377	82.15%	4.381%
15	14.489	14.467	14.648	VB	261631	3355029	91.49%	4.879%
16	15.994	15.961	16.010	BV	262932	3215265	87.68%	4.676%
17	16.026	16.010	16.161	VB	262552	3181249	86.76%	4.626%
18	16.371	16.275	16.459	BV	239135	3195257	87.14%	4.647%
19	17.735	17.701	17.754	BV	211873	2698523	73.59%	3.924%
20	17.775	17.754	17.949	VV	190137	3436522	93.72%	4.997%
21	17.985	17.949	18.168	VV	224138	3272738	89.25%	4.759%
			Sum of corrected areas:			68764886		

Aromatic EPH 102324.M Tue Nov 12 03:23:16 2024

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

Continuing Calibration Report for SequenceID : FE110924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051124.D**						
Aliphatic C9-C12	9749556.000	60.000	3.140	6.758	162492.600	139914.732	-16.137
Aliphatic C12-C16	6220976.000	40.000	6.759	10.191	155524.400	140635.568	-10.587
Aliphatic C16-C21	8833262.000	60.000	10.192	13.550	147221.033	137768.027	-6.862
Aliphatic C21-C28	11441196.000	80.000	13.551	17.206	143014.950	133951.574	-6.766
Aliphatic C28-C40	15144241.000	120.000	17.207	22.053	126202.008	128748.418	1.978
Aliphatic EPH	51389231.000	360.000	3.140	22.053	142747.864	134589.790	-6.061

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 17:38
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051124.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.758	9749556.000	60.000	ug/ml
Aliphatic C12-C16	6.759	10.191	6220976.000	40.000	ug/ml
Aliphatic C16-C21	10.192	13.550	8833262.000	60.000	ug/ml
Aliphatic C21-C28	13.551	17.206	11441196.000	80.000	ug/ml
Aliphatic C28-C40	17.207	22.053	15144241.000	120.000	ug/ml
Aliphatic EPH	3.140	22.053	51389231.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051124.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 17:38
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: sample.E
Quant Time: Nov 09 00:43:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	3194433	21.283 ug/ml
Spiked Amount	50.000		Recovery =	42.57%
12) S	1-chlorooctadecane (S...	13.284	2420135	21.317 ug/ml
Spiked Amount	50.000		Recovery =	42.63%
	Target Compounds			
1) T	n-Nonane (C9)	3.239	3233800	23.371 ug/ml
2) T	n-Decane (C10)	4.489	3284823	23.433 ug/ml
3) T	A~Naphthalene (C11.7)	6.202	3028918	22.973 ug/ml
4) T	n-Dodecane (C12)	6.657	3230933	22.882 ug/ml
5) T	A~2-methylnaphthalene...	7.298	2795962	22.351 ug/ml
6) T	n-Tetradecane (C14)	8.484	3106799	22.293 ug/ml
7) T	n-Hexadecane (C16)	10.089	3114177	21.945 ug/ml
8) T	n-Octadecane (C18)	11.531	3073452	21.522 ug/ml
10) T	n-Eicosane (C20)	12.838	2913103	21.286 ug/ml
11) T	n-Heneicosane (C21)	13.449	2846707	21.301 ug/ml
13) T	n-Docosane (C22)	14.035	2831012	21.294 ug/ml
14) T	n-Tetracosane (C24)	15.136	2838426	21.397 ug/ml
15) T	n-Hexacosane (C26)	16.156	2869465	21.435 ug/ml
16) T	n-Octacosane (C28)	17.105	2902293	21.289 ug/ml
17) T	n-Tricontane (C30)	17.991	3015882	20.758 ug/ml
18) T	n-Dotriacontane (C32)	18.824	3025166	20.374 ug/ml
19) T	n-Tetratriacontane (C34)	19.606	2737067	20.370 ug/ml
20) T	n-Hexatriacontane (C36)	20.345	2410932	20.206 ug/ml
21) T	n-Octatriacontane (C38)	21.069	2132048	18.732 ug/ml
22) T	n-Tetracontane (C40)	21.951	1823146	16.392 ug/ml

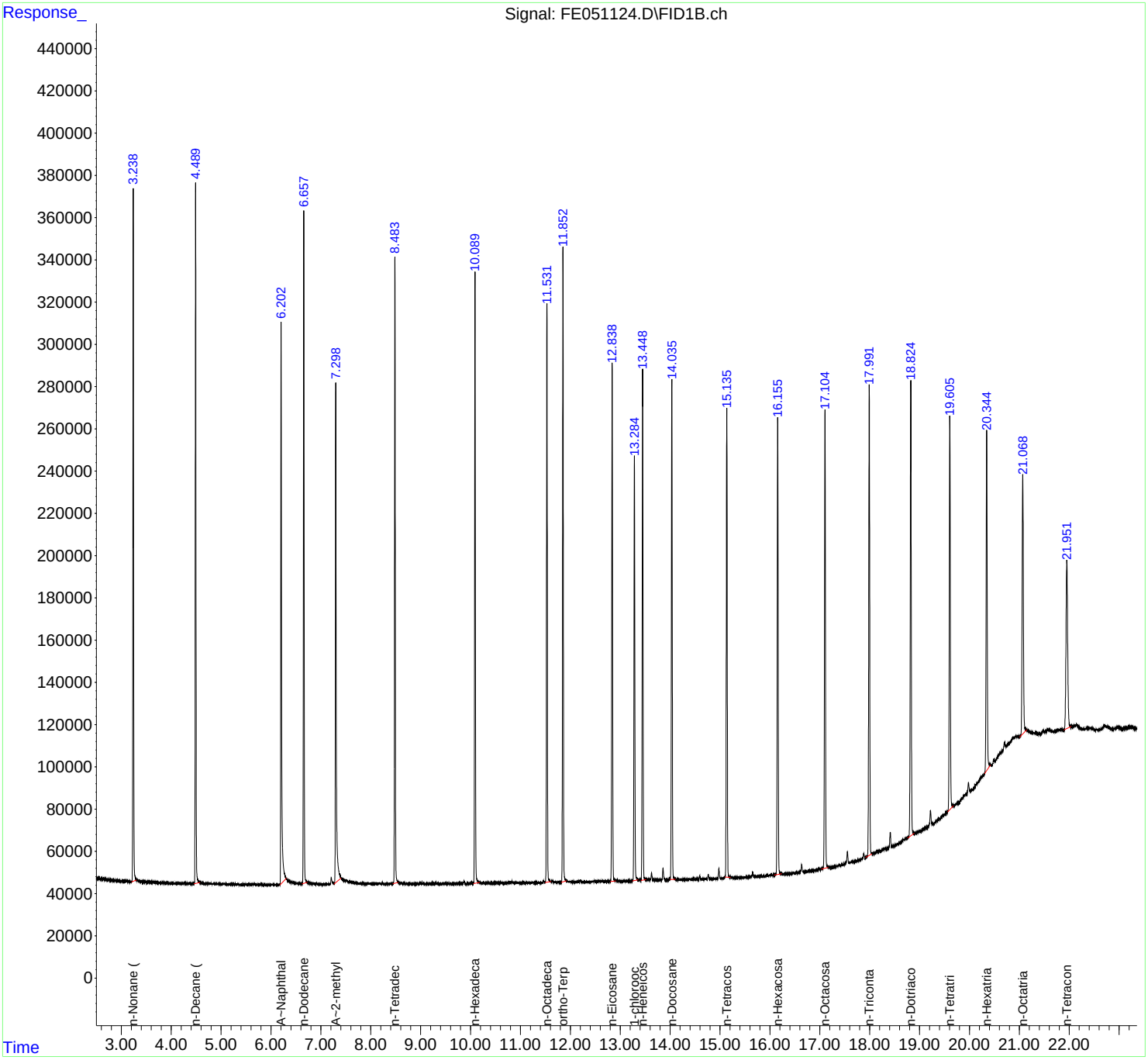
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051124.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 17:38
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: sample.E
Quant Time: Nov 09 00:43:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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\FE110924AL\
Data File : FE051124.D
Signal(s) : FID1B.ch
Acq On : 08 Nov 2024 17:38
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.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	3.239	3.208	3.304	BB	326110	3233800	98.45%	5.147%
2	4.489	4.451	4.578	BB	329982	3284823	100.00%	5.228%
3	6.202	6.178	6.304	BB	264404	3028918	92.21%	4.821%
4	6.657	6.624	6.724	BB	318291	3230933	98.36%	5.142%
5	7.298	7.268	7.404	BB	235989	2795962	85.12%	4.450%
6	8.484	8.444	8.551	BB	295632	3106799	94.58%	4.945%
7	10.089	10.054	10.178	BB	288670	3114177	94.81%	4.957%
8	11.531	11.491	11.608	BB	273643	3073452	93.57%	4.892%
9	11.852	11.814	11.928	BB	297693	3194433	97.25%	5.084%
10	12.838	12.801	12.911	BB	245219	2913103	88.68%	4.637%
11	13.284	13.241	13.361	BB	201790	2420135	73.68%	3.852%
12	13.449	13.414	13.521	BB	240418	2846707	86.66%	4.531%
13	14.035	14.001	14.108	BB	236609	2831012	86.18%	4.506%
14	15.136	15.098	15.208	BB	220728	2838426	86.41%	4.518%
15	16.156	16.088	16.231	BB	215949	2869465	87.36%	4.567%
16	17.105	17.031	17.171	BB	216876	2902293	88.35%	4.619%
17	17.991	17.921	18.044	BB	222213	3015882	91.81%	4.800%
18	18.824	18.761	18.894	BB	216427	3025166	92.10%	4.815%
19	19.606	19.561	19.681	BB	185840	2737067	83.32%	4.356%
20	20.345	20.301	20.421	BB	160356	2410932	73.40%	3.837%
21	21.069	21.011	21.144	BB	122477	2132048	64.91%	3.393%
22	21.951	21.901	22.034	BB	79581	1823146	55.50%	2.902%
			Sum of corrected areas:			62828681		

Aliphatic EPH 110724.M Sun Nov 10 23:52:55 2024

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

Continuing Calibration Report for SequenceID : FE110924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051134.D**						
Aliphatic C9-C12	9357286.000	60.000	3.140	6.758	155954.767	139914.732	-11.464
Aliphatic C12-C16	6119922.000	40.000	6.759	10.191	152998.050	140635.568	-8.790
Aliphatic C16-C21	8890102.000	60.000	10.192	13.550	148168.367	137768.027	-7.549
Aliphatic C21-C28	11654865.000	80.000	13.551	17.206	145685.813	133951.574	-8.760
Aliphatic C28-C40	15222579.000	120.000	17.207	22.053	126854.825	128748.418	1.471
Aliphatic EPH	51244754.000	360.000	3.140	22.053	142346.539	134589.790	-5.763

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:	09 Nov 2024 00:09
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051134.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.758	9357286.000	60.000	ug/ml
Aliphatic C12-C16	6.759	10.191	6119922.000	40.000	ug/ml
Aliphatic C16-C21	10.192	13.550	8890102.000	60.000	ug/ml
Aliphatic C21-C28	13.551	17.206	11654865.000	80.000	ug/ml
Aliphatic C28-C40	17.207	22.053	15222579.000	120.000	ug/ml
Aliphatic EPH	3.140	22.053	51244754.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051134.D
Signal(s) : FID1B.ch
Acq On : 09 Nov 2024 00:09
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: sample.E
Quant Time: Nov 09 00:44:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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)	11.850	3234769	21.551 ug/ml
Spiked Amount	50.000		Recovery =	43.10%
12) S	1-chlorooctadecane (S...	13.283	2447987	21.562 ug/ml
Spiked Amount	50.000		Recovery =	43.12%
	Target Compounds			
1) T	n-Nonane (C9)	3.237	3088530	22.321 ug/ml
2) T	n-Decane (C10)	4.488	3137100	22.379 ug/ml
3) T	A~Naphthalene (C11.7)	6.202	2959882	22.449 ug/ml
4) T	n-Dodecane (C12)	6.657	3131656	22.179 ug/ml
5) T	A~2-methylnaphthalene...	7.298	2739201	21.897 ug/ml
6) T	n-Tetradecane (C14)	8.483	3048200	21.872 ug/ml
7) T	n-Hexadecane (C16)	10.089	3071722	21.646 ug/ml
8) T	n-Octadecane (C18)	11.530	3076065	21.540 ug/ml
10) T	n-Eicosane (C20)	12.837	2938684	21.473 ug/ml
11) T	n-Heneicosane (C21)	13.448	2875353	21.515 ug/ml
13) T	n-Docosane (C22)	14.034	2866173	21.558 ug/ml
14) T	n-Tetracosane (C24)	15.134	2899951	21.860 ug/ml
15) T	n-Hexacosane (C26)	16.154	2920594	21.817 ug/ml
16) T	n-Octacosane (C28)	17.103	2968147	21.772 ug/ml
17) T	n-Tricontane (C30)	17.989	3109381	21.402 ug/ml
18) T	n-Dotriacontane (C32)	18.821	3100301	20.880 ug/ml
19) T	n-Tetratriacontane (C34)	19.604	2763685	20.568 ug/ml
20) T	n-Hexatriacontane (C36)	20.344	2351933	19.711 ug/ml
21) T	n-Octatriacontane (C38)	21.066	2094959	18.407 ug/ml
22) T	n-Tetracontane (C40)	21.947	1802320	16.205 ug/ml

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

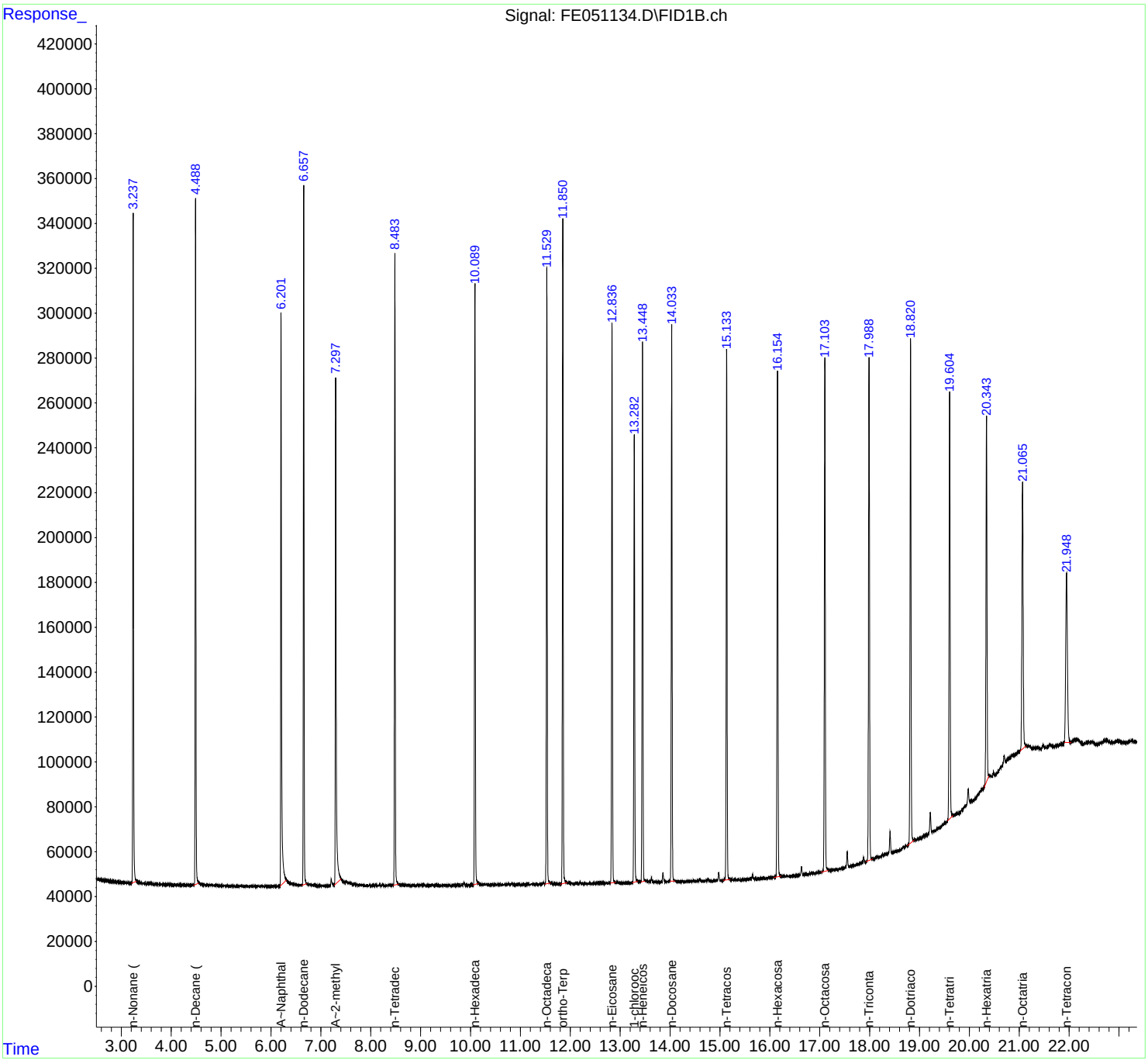
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110924AL\
Data File : FE051134.D
Signal(s) : FID1B.ch
Acq On : 09 Nov 2024 00:09
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: sample.E
Quant Time: Nov 09 00:44:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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\FE110924AL\
Data File : FE051134.D
Signal(s) : FID1B.ch
Acq On : 09 Nov 2024 00:09
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 110724.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	3.237	3.204	3.304	BB	298340	3088530	95.48%	4.932%
2	4.488	4.444	4.554	BB	305332	3137100	96.98%	5.009%
3	6.202	6.178	6.311	BB	254655	2959882	91.50%	4.726%
4	6.657	6.621	6.718	BB	311448	3131656	96.81%	5.001%
5	7.298	7.268	7.404	BB	224642	2739201	84.68%	4.374%
6	8.483	8.451	8.558	BB	281784	3048200	94.23%	4.867%
7	10.089	10.048	10.154	BB	267998	3071722	94.96%	4.905%
8	11.530	11.491	11.601	BB	273164	3076065	95.09%	4.912%
9	11.850	11.801	11.934	BB	295085	3234769	100.00%	5.165%
10	12.837	12.801	12.908	BB	248680	2938684	90.85%	4.692%
11	13.283	13.238	13.354	BB	196836	2447987	75.68%	3.909%
12	13.448	13.411	13.498	BB	239798	2875353	88.89%	4.591%
13	14.034	13.998	14.104	BB	245904	2866173	88.61%	4.577%
14	15.134	15.064	15.204	BB	236292	2899951	89.65%	4.631%
15	16.154	16.078	16.224	BB	225120	2920594	90.29%	4.664%
16	17.103	17.024	17.174	BB	230152	2968147	91.76%	4.739%
17	17.989	17.921	18.058	BB	224565	3109381	96.12%	4.965%
18	18.821	18.761	18.891	BB	224727	3100301	95.84%	4.950%
19	19.604	19.561	19.671	BB	190577	2763685	85.44%	4.413%
20	20.344	20.301	20.391	BB	162831	2351933	72.71%	3.755%
21	21.066	21.011	21.138	BB	117803	2094959	64.76%	3.345%
22	21.947	21.901	22.038	BB	75705	1802320	55.72%	2.878%
			Sum of corrected areas:			62626590		

Aliphatic EPH 110724.M Sun Nov 10 23:53:33 2024

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

Continuing Calibration Report for SequenceID : FE111124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051137.D**						
Aliphatic C9-C12	9844255.000	60.000	3.140	6.760	164070.917	139914.732	-17.265
Aliphatic C12-C16	6592706.000	40.000	6.761	10.193	164817.650	140635.568	-17.195
Aliphatic C16-C21	9666922.000	60.000	10.194	13.553	161115.367	137768.027	-16.947
Aliphatic C21-C28	12623455.000	80.000	13.554	17.209	157793.188	133951.574	-17.799
Aliphatic C28-C40	17912037.000	120.000	17.210	22.059	149266.975	128748.418	-15.937
Aliphatic EPH	56639375.000	360.000	3.140	22.059	157331.597	134589.790	-16.897

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:	11 Nov 2024 09:11
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051137.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.760	9844255.000	60.000	ug/ml
Aliphatic C12-C16	6.761	10.193	6592706.000	40.000	ug/ml
Aliphatic C16-C21	10.194	13.553	9666922.000	60.000	ug/ml
Aliphatic C21-C28	13.554	17.209	12623455.000	80.000	ug/ml
Aliphatic C28-C40	17.210	22.059	17912037.000	120.000	ug/ml
Aliphatic EPH	3.140	22.059	56639375.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051137.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 09:11
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 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:46:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	3508108	23.372 ug/ml
Spiked Amount	50.000		Recovery =	46.74%
12) S	1-chlorooctadecane (S...	13.288	2644257	23.291 ug/ml
Spiked Amount	50.000		Recovery =	46.58%
	Target Compounds			
1) T	n-Nonane (C9)	3.240	3216213	23.244 ug/ml
2) T	n-Decane (C10)	4.491	3299764	23.540 ug/ml
3) T	A~Naphthalene (C11.7)	6.204	3197640	24.252 ug/ml
4) T	n-Dodecane (C12)	6.660	3328278	23.572 ug/ml
5) T	A~2-methylnaphthalene...	7.301	2999095	23.975 ug/ml
6) T	n-Tetradecane (C14)	8.487	3264213	23.422 ug/ml
7) T	n-Hexadecane (C16)	10.093	3328493	23.455 ug/ml
8) T	n-Octadecane (C18)	11.535	3350597	23.463 ug/ml
10) T	n-Eicosane (C20)	12.842	3187140	23.288 ug/ml
11) T	n-Heneicosane (C21)	13.453	3129185	23.414 ug/ml
13) T	n-Docosane (C22)	14.039	3106713	23.367 ug/ml
14) T	n-Tetracosane (C24)	15.140	3142637	23.690 ug/ml
15) T	n-Hexacosane (C26)	16.161	3156639	23.580 ug/ml
16) T	n-Octacosane (C28)	17.109	3217466	23.601 ug/ml
17) T	n-Tricontane (C30)	17.997	3439114	23.671 ug/mlm
18) T	n-Dotriacontane (C32)	18.829	3588853	24.170 ug/ml
19) T	n-Tetratriacontane (C34)	19.612	3358151	24.993 ug/ml
20) T	n-Hexatriacontane (C36)	20.351	2909915	24.388 ug/mlm
21) T	n-Octatriacontane (C38)	21.074	2631623	23.122 ug/ml
22) T	n-Tetracontane (C40)	21.959	1984381	17.842 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051137.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 09:11
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

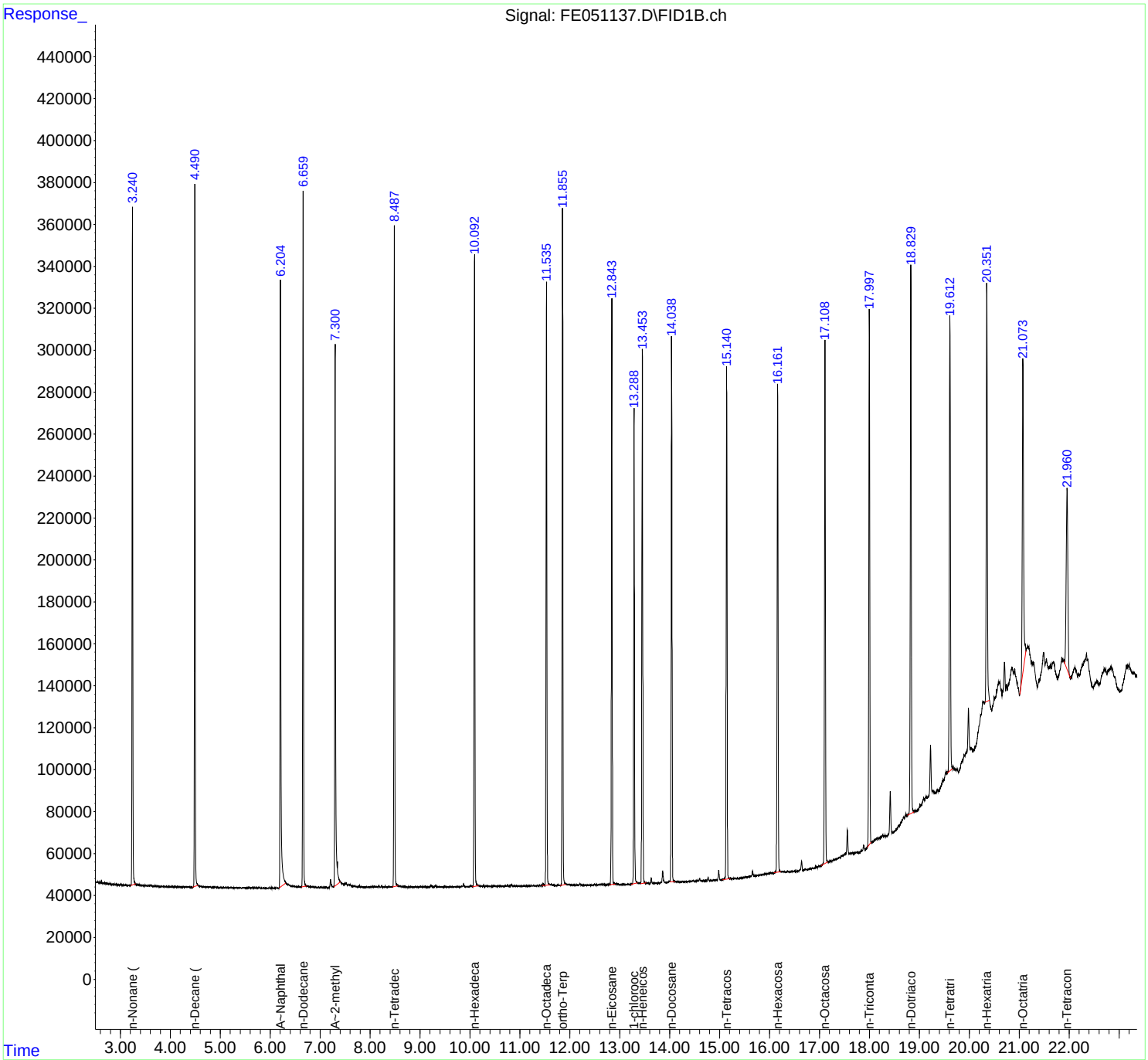
Integration File: autoint1.e
Quant Time: Nov 11 20:46:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051137.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 09:11
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 110724.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	3.240	3.208	3.301	BB	322557	3216213	89.62%	4.651%
2	4.491	4.444	4.554	BB	334114	3299764	91.94%	4.772%
3	6.204	6.178	6.314	BB	288423	3197640	89.10%	4.624%
4	6.660	6.624	6.728	BB	332717	3328278	92.74%	4.813%
5	7.301	7.271	7.404	BB	257394	2999095	83.57%	4.337%
6	8.487	8.448	8.561	BB	315233	3264213	90.95%	4.720%
7	10.093	10.058	10.168	BB	298778	3328493	92.75%	4.813%
8	11.535	11.441	11.604	BB	287547	3350597	93.36%	4.845%
9	11.856	11.811	11.924	BB	321322	3508108	97.75%	5.073%
10	12.842	12.804	12.911	BB	276272	3187140	88.81%	4.609%
11	13.288	13.241	13.358	BB	226423	2644257	73.68%	3.824%
12	13.453	13.418	13.524	BB	254550	3129185	87.19%	4.525%
13	14.039	14.004	14.108	BB	259265	3106713	86.57%	4.492%
14	15.140	15.058	15.208	BB	243728	3142637	87.57%	4.544%
15	16.161	16.091	16.231	BB	232453	3156639	87.96%	4.565%
16	17.109	17.031	17.171	BB	248016	3217466	89.65%	4.653%
17	17.997	17.921	18.041	BB	254968	3433868	95.68%	4.965%
18	18.829	18.761	18.888	BB	259548	3588853	100.00%	5.190%
19	19.612	19.561	19.661	BV	215928	3358151	93.57%	4.856%
20	20.351	20.301	20.451	BV	199688	3082081	85.88%	4.457%
21	21.074	21.011	21.138	BV	149005	2631623	73.33%	3.805%
22	21.959	21.901	22.028	BB	86880	1984381	55.29%	2.869%
			Sum of corrected areas:			69155396		

Aliphatic EPH 110724.M Tue Nov 12 00:45:28 2024

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

Continuing Calibration Report for SequenceID : FE111124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE051146.D**						
Aliphatic C9-C12	8992876.000	60.000	3.140	6.760	149881.267	139914.732	-7.123
Aliphatic C12-C16	5971459.000	40.000	6.761	10.193	149286.475	140635.568	-6.151
Aliphatic C16-C21	8722430.000	60.000	10.194	13.553	145373.833	137768.027	-5.521
Aliphatic C21-C28	11370681.000	80.000	13.554	17.209	142133.513	133951.574	-6.108
Aliphatic C28-C40	15214138.000	120.000	17.210	22.059	126784.483	128748.418	1.525
Aliphatic EPH	50271584.000	360.000	3.140	22.059	139643.289	134589.790	-3.755

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:	11 Nov 2024 14:12
Client Sample ID:		Operator:	YP\AJ
Data file:	FE051146.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.140	6.760	8992876.000	60.000	ug/ml
Aliphatic C12-C16	6.761	10.193	5971459.000	40.000	ug/ml
Aliphatic C16-C21	10.194	13.553	8722430.000	60.000	ug/ml
Aliphatic C21-C28	13.554	17.209	11370681.000	80.000	ug/ml
Aliphatic C28-C40	17.210	22.059	15214138.000	120.000	ug/ml
Aliphatic EPH	3.140	22.059	50271584.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051146.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 14:12
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 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
Quant Time: Nov 11 20:47:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 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	3170172	21.121 ug/ml
Spiked Amount	50.000		Recovery =	42.24%
12) S	1-chlorooctadecane (S...	13.288	2388777	21.041 ug/ml
Spiked Amount	50.000		Recovery =	42.08%
	Target Compounds			
1) T	n-Nonane (C9)	3.240	2943371	21.272 ug/ml
2) T	n-Decane (C10)	4.490	3009981	21.473 ug/ml
3) T	A~Naphthalene (C11.7)	6.204	2895277	21.959 ug/ml
4) T	n-Dodecane (C12)	6.659	3039524	21.527 ug/ml
5) T	A~2-methylnaphthalene...	7.300	2723549	21.772 ug/mlm
6) T	n-Tetradecane (C14)	8.486	2961741	21.252 ug/ml
7) T	n-Hexadecane (C16)	10.092	3009718	21.209 ug/ml
8) T	n-Octadecane (C18)	11.533	3025469	21.186 ug/ml
10) T	n-Eicosane (C20)	12.841	2875722	21.013 ug/ml
11) T	n-Heneicosane (C21)	13.452	2821239	21.110 ug/ml
13) T	n-Docosane (C22)	14.038	2791694	20.998 ug/ml
14) T	n-Tetracosane (C24)	15.139	2841572	21.420 ug/ml
15) T	n-Hexacosane (C26)	16.159	2848151	21.276 ug/ml
16) T	n-Octacosane (C28)	17.108	2889264	21.193 ug/ml
17) T	n-Tricontane (C30)	17.995	3052477	21.010 ug/ml
18) T	n-Dotriacontane (C32)	18.827	3043092	20.495 ug/ml
19) T	n-Tetratriacontane (C34)	19.609	2721197	20.252 ug/ml
20) T	n-Hexatriacontane (C36)	20.349	2384123	19.981 ug/ml
21) T	n-Octatriacontane (C38)	21.074	2093445	18.393 ug/ml
22) T	n-Tetracontane (C40)	21.957	1919804	17.261 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111124AL\
Data File : FE051146.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 14:12
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

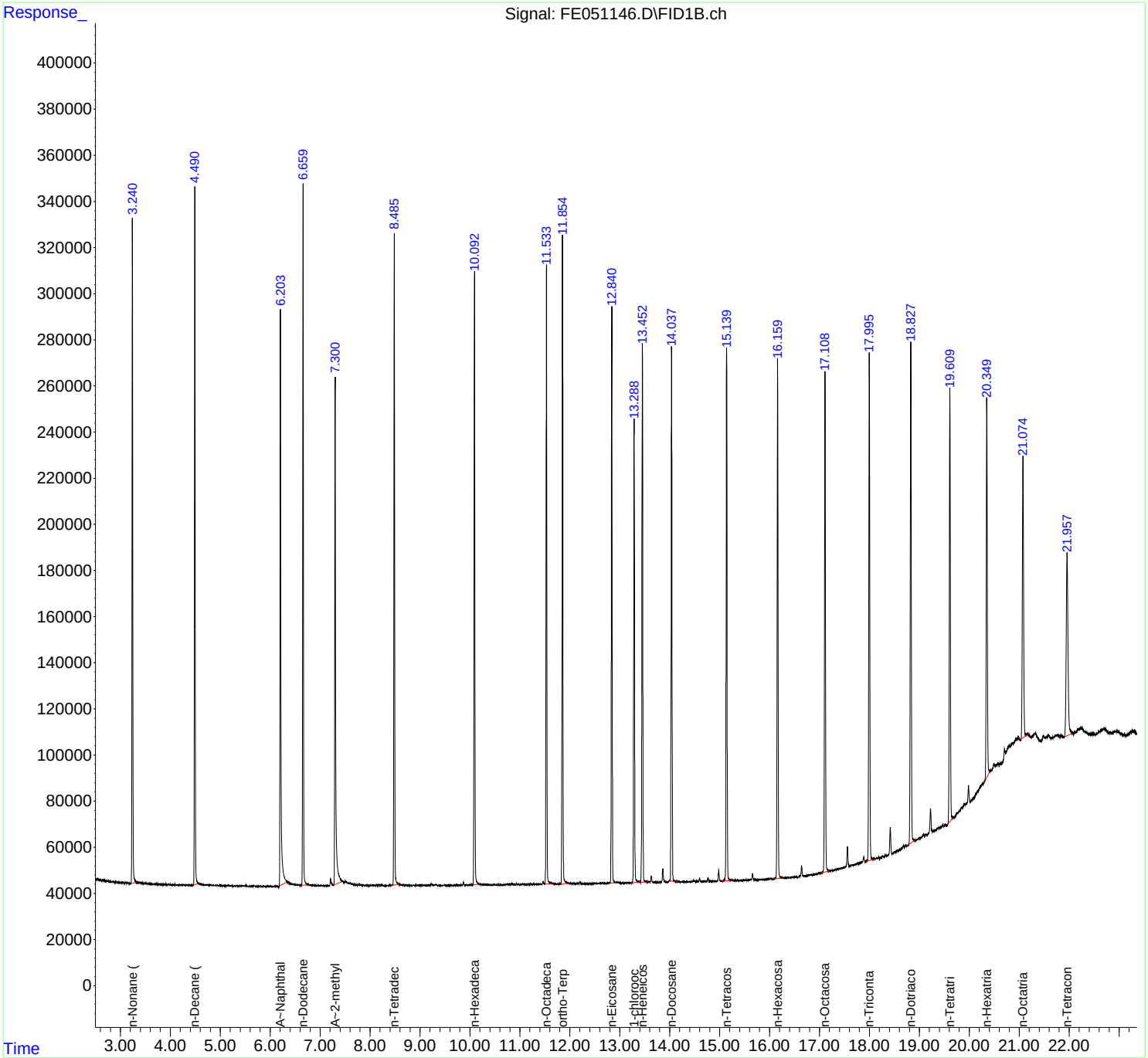
Integration File: autoint1.e
Quant Time: Nov 11 20:47:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.
Quant Title : GC Extractables
QLast Update : Thu Nov 07 04:56:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11112
Data File : FE051146.D
Signal(s) : FID1B.ch
Acq On : 11 Nov 2024 14:12
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 110724.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	3.240	3.208	3.324	BB	287099	2943371	92.85%	4.794%
2	4.490	4.454	4.561	BB	302488	3009981	94.95%	4.902%
3	6.204	6.178	6.338	BB	247409	2895277	91.33%	4.715%
4	6.659	6.621	6.764	BB	301230	3039524	95.88%	4.950%
5	7.301	7.174	7.421	BB	215892	2674524	84.37%	4.356%
6	8.486	8.448	8.581	BB	281568	2961741	93.43%	4.824%
7	10.092	10.051	10.198	BB	265448	3009718	94.94%	4.902%
8	11.533	11.494	11.651	BB	269782	3025469	95.44%	4.927%
9	11.854	11.801	11.971	BB	283043	3170172	100.00%	5.163%
10	12.841	12.801	12.924	BB	248958	2875722	90.71%	4.684%
11	13.288	13.218	13.381	BB	201393	2388777	75.35%	3.890%
12	13.452	13.411	13.554	BB	231826	2821239	88.99%	4.595%
13	14.038	13.998	14.144	BB	229825	2791694	88.06%	4.547%
14	15.139	15.051	15.248	BB	228855	2841572	89.63%	4.628%
15	16.159	16.068	16.248	BB	222923	2848151	89.84%	4.639%
16	17.108	17.011	17.214	BB	217533	2889264	91.14%	4.706%
17	17.995	17.921	18.101	BB	220302	3052477	96.29%	4.971%
18	18.827	18.761	18.901	BB	217770	3043092	95.99%	4.956%
19	19.609	19.561	19.664	BB	185266	2721197	85.84%	4.432%
20	20.349	20.301	20.411	BB	162890	2384123	75.20%	3.883%
21	21.074	21.011	21.181	BB	122207	2093445	66.04%	3.410%
22	21.957	21.901	22.061	BB	79367	1919804	60.56%	3.127%
			Sum of corrected areas:			61400334		

Aliphatic EPH 110724.M Tue Nov 12 00:46:02 2024

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

Continuing Calibration Report for SequenceID : FF110824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF014972.D**						
Aromatic C10-C12	6212238.000	40.000	4.496	6.365	155305.950	154569.237	-0.477
Aromatic C12-C16	9246784.000	60.000	6.366	8.961	154113.067	153560.844	-0.360
Aromatic C16-C21	11110164.000	80.000	8.962	13.378	138877.050	142096.237	2.265
Aromatic C21-C36	24624538.000	180.000	13.379	18.826	136802.989	138041.042	0.897
Aromatic EPH	51193724.000	360.000	4.496	18.826	142204.789	143365.296	0.809

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	08 Nov 2024 14:51
Client Sample ID:		Operator:	YP\AJ
Data file:	FF014972.D	Misc:	
Instrument:	FID_F	ALS Vial:	43
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.496	6.365	6212238.000	40.000	ug/ml
Aromatic C12-C16	6.366	8.961	9246784.000	60.000	ug/ml
Aromatic C16-C21	8.962	13.378	11110164.000	80.000	ug/ml
Aromatic C21-C36	13.379	18.826	24624538.000	180.000	ug/ml
Aromatic EPH	4.496	18.826	51193724.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014972.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 14:51
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

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

Integration File: autoint1.e
Quant Time: Nov 09 00:26:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.985	2673776	20.091 ug/ml
Spiked Amount	50.000		Recovery =	40.18%
6) S	2-Flurobiphenyl (SURR)	8.861	1786752	20.034 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.07%
11) S	ortho-Terphenyl (SURR)	11.926	2976247	20.207 ug/mlm
Spiked Amount	50.000		Recovery =	40.41%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.596	3057021	20.086 ug/ml
2) T	Naphthalene (C11.7)	6.265	3155217	20.105 ug/ml
3) T	2-Methylnaphthalene (...	7.360	3155950	20.118 ug/ml
5) T	Acenaphthylene (C15.06)	8.661	3043152	20.011 ug/ml
7) T	Acenaphthene (C15.5)	8.961	3047682	20.085 ug/ml
8) T	Flouorene (C16.55)	9.750	2961845	19.967 ug/ml
9) T	Phenanthrene (C19.36)	11.158	2882961	19.878 ug/ml
10) T	Anthracene (C19.43)	11.232	2512626	18.310 ug/ml
12) T	Fluoranthene (C21.85)	12.979	2785054	19.928 ug/ml
13) T	Pyrene (C20.8)	13.278	2752732	19.978 ug/ml
14) T	Benzo[a]anthracene (C...	15.158	2634839	19.746 ug/ml
15) T	Chrysene (C27.41)	15.200	2711928	19.976 ug/ml
16) T	benzo[b]fluoranthene ...	16.717	2742612	19.952 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.749	2563226	19.927 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.097	2699428	19.909 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.468	2681904	19.513 ug/ml
20) T	Dibenz[a,h]anthracene...	18.508	2889042	19.527 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.726	2916505	19.929 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014972.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 14:51
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 43 Sample Multiplier: 1

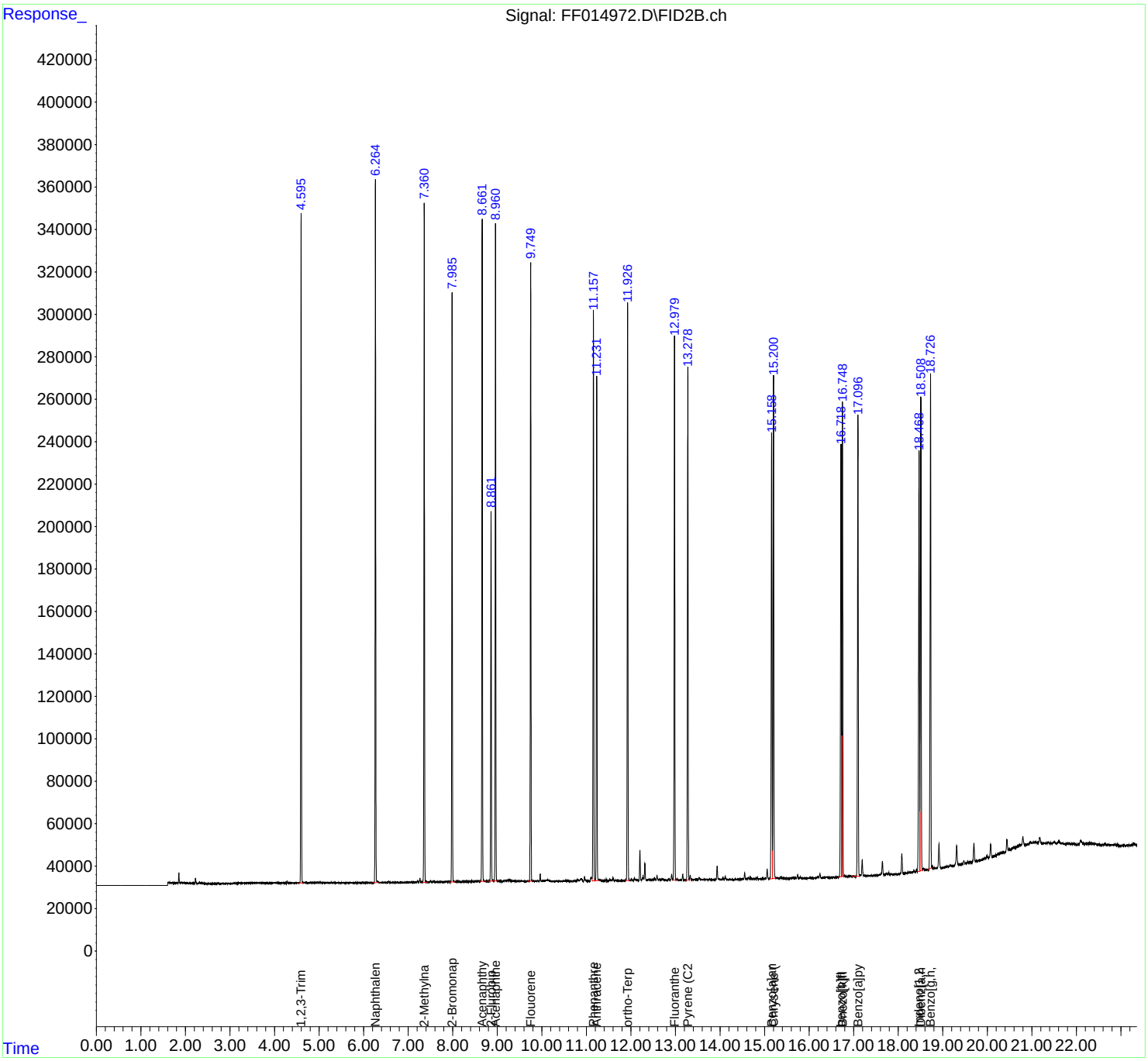
Integration File: autoint1.e
Quant Time: Nov 09 00:26:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

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



Instrument :
FID_F
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent

Manual IntegrationsAPPROVED

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

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Da
Data File : FF014972.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 14:51
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.596	4.535	4.654	BB	315792	3057021	96.87%	5.214%
2	6.265	6.199	6.334	BB	331061	3155217	99.98%	5.381%
3	7.360	7.317	7.440	BB	320701	3155950	100.00%	5.383%
4	7.985	7.929	8.049	BB	277357	2673776	84.72%	4.560%
5	8.661	8.597	8.732	BB	312571	3043152	96.43%	5.190%
6	8.861	8.794	8.924	BV	174174	1786752	56.62%	3.047%
7	8.961	8.924	9.014	VB	309676	3047682	96.57%	5.198%
8	9.750	9.679	9.797	BB	290743	2961845	93.85%	5.052%
9	11.158	11.129	11.200	VV	268388	2882961	91.35%	4.917%
10	11.232	11.200	11.294	VV	237758	2512626	79.62%	4.286%
11	11.926	11.747	11.982	BV	272807	2976607	94.32%	5.077%
12	12.979	12.940	13.020	VV	256356	2785054	88.25%	4.750%
13	13.278	13.217	13.310	BV	241494	2752732	87.22%	4.695%
14	15.158	15.112	15.178	BV	210881	2634839	83.49%	4.494%
15	15.200	15.178	15.264	VB	237092	2711928	85.93%	4.625%
16	16.717	16.657	16.732	BV	202660	2742612	86.90%	4.678%
17	16.749	16.732	16.782	VV	223261	2563226	81.22%	4.372%
18	17.097	16.954	17.132	BV	217572	2699428	85.53%	4.604%
19	18.468	18.425	18.485	PV	198217	2681904	84.98%	4.574%
20	18.508	18.485	18.582	VB	223530	2889042	91.54%	4.928%
21	18.726	18.660	18.757	BV	232002	2916505	92.41%	4.974%
			Sum of corrected areas:			58630858		

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Continuing Calibration Report for SequenceID : FF110824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF014987.D**						
Aromatic C10-C12	6049046.000	40.000	4.496	6.365	151226.150	154569.237	2.163
Aromatic C12-C16	9009441.000	60.000	6.366	8.961	150157.350	153560.844	2.216
Aromatic C16-C21	11005066.000	80.000	8.962	13.378	137563.325	142096.237	3.190
Aromatic C21-C36	23927620.000	180.000	13.379	18.826	132931.222	138041.042	3.702
Aromatic EPH	49991173.000	360.000	4.496	18.826	138864.369	143365.296	3.139

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	08 Nov 2024 23:38
Client Sample ID:		Operator:	YP\AJ
Data file:	FF014987.D	Misc:	
Instrument:	FID_F	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.496	6.365	6049046.000	40.000	ug/ml
Aromatic C12-C16	6.366	8.961	9009441.000	60.000	ug/ml
Aromatic C16-C21	8.962	13.378	11005066.000	80.000	ug/ml
Aromatic C21-C36	13.379	18.826	23927620.000	180.000	ug/ml
Aromatic EPH	4.496	18.826	49991173.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014987.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 23:38
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 09 00:29:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.992	2602179	19.553 ug/ml
Spiked Amount	50.000		Recovery =	39.11%
6) S	2-Flurobiphenyl (SURR)	8.867	1738542	19.493 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	38.99%
11) S	ortho-Terphenyl (SURR)	11.928	2869586	19.483 ug/ml
Spiked Amount	50.000		Recovery =	38.97%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.610	2986472	19.622 ug/ml
2) T	Naphthalene (C11.7)	6.274	3062574	19.514 ug/ml
3) T	2-Methylnaphthalene (...	7.368	3075068	19.602 ug/ml
5) T	Acenaphthylene (C15.06)	8.667	2969379	19.526 ug/ml
7) T	Acenaphthene (C15.5)	8.967	2964994	19.540 ug/ml
8) T	Flouorene (C16.55)	9.755	2884752	19.448 ug/ml
9) T	Phenanthrene (C19.36)	11.160	2812857	19.395 ug/ml
10) T	Anthracene (C19.43)	11.235	2637390	19.219 ug/ml
12) T	Fluoranthene (C21.85)	12.980	2702848	19.340 ug/ml
13) T	Pyrene (C20.8)	13.279	2670067	19.378 ug/ml
14) T	Benzo[a]anthracene (C...	15.157	2563185	19.209 ug/ml
15) T	Chrysene (C27.41)	15.200	2603489	19.178 ug/ml
16) T	benzo[b]fluoranthene ...	16.715	2645694	19.247 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.747	2493381	19.384 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.095	2624566	19.357 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.466	2624646	19.097 ug/ml
20) T	Dibenz[a,h]anthracene...	18.506	2792583	18.875 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.724	2877228	19.660 ug/ml

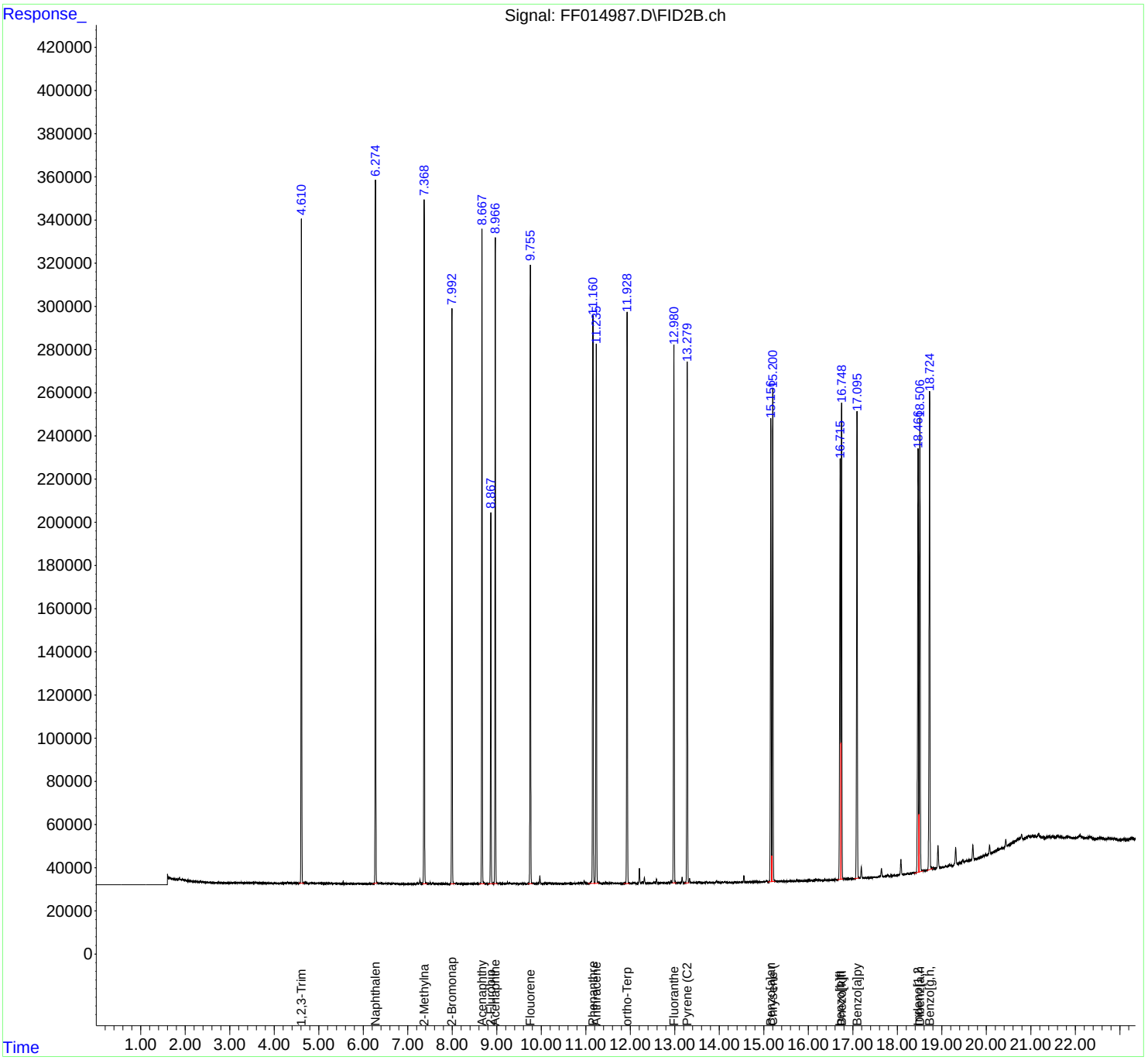
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110824AR\
Data File : FF014987.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 23:38
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 09 00:29:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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_F\Data\FF110824AR\
Data File : FF014987.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 23:38
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.610	4.551	4.672	BB	307773	2986472	97.12%	5.221%
2	6.274	6.214	6.311	BV	325754	3062574	99.59%	5.354%
3	7.368	7.326	7.441	BB	316436	3075068	100.00%	5.376%
4	7.992	7.952	8.054	BB	266709	2602179	84.62%	4.549%
5	8.667	8.611	8.736	BB	303619	2969379	96.56%	5.191%
6	8.867	8.802	8.931	BB	172092	1738542	56.54%	3.039%
7	8.967	8.932	9.017	BB	299163	2964994	96.42%	5.183%
8	9.755	9.696	9.807	BB	286509	2884752	93.81%	5.043%
9	11.160	11.054	11.197	BV	263011	2812857	91.47%	4.917%
10	11.235	11.197	11.292	VB	249400	2637390	85.77%	4.611%
11	11.928	11.852	11.977	BB	265077	2869586	93.32%	5.017%
12	12.980	12.942	13.034	VB	249310	2702848	87.90%	4.725%
13	13.279	13.217	13.312	BV	241179	2670067	86.83%	4.668%
14	15.157	15.094	15.177	BV	213624	2563185	83.35%	4.481%
15	15.200	15.177	15.261	VB	229440	2603489	84.66%	4.551%
16	16.715	16.642	16.731	BV	194812	2645694	86.04%	4.625%
17	16.747	16.731	16.787	VB	221674	2493381	81.08%	4.359%
18	17.095	17.027	17.141	BB	215507	2624566	85.35%	4.588%
19	18.466	18.379	18.484	PV	194782	2624646	85.35%	4.588%
20	18.506	18.484	18.587	VB	210033	2792583	90.81%	4.882%
21	18.724	18.661	18.800	BBA	221895	2877228	93.57%	5.030%
					Sum of corrected areas:	57201478		

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Continuing Calibration Report for SequenceID : FF111124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF014990.D**						
Aromatic C10-C12	6516170.000	40.000	4.510	6.375	162904.250	154569.237	-5.392
Aromatic C12-C16	9655802.000	60.000	6.376	9.068	160930.033	153560.844	-4.799
Aromatic C16-C21	11640134.000	80.000	9.069	13.383	145501.675	142096.237	-2.397
Aromatic C21-C36	24478256.000	180.000	13.384	18.828	135990.311	138041.042	1.486
Aromatic EPH	52290362.000	360.000	4.510	18.828	145251.006	143365.296	-1.315

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Nov 2024 09:35
Client Sample ID:		Operator:	YP\AJ
Data file:	FF014990.D	Misc:	
Instrument:	FID_F	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.510	6.375	6516170.000	40.000	ug/ml
Aromatic C12-C16	6.376	9.068	9655802.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.383	11640134.000	80.000	ug/ml
Aromatic C21-C36	13.384	18.828	24478256.000	180.000	ug/ml
Aromatic EPH	4.510	18.828	52290362.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014990.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:35
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:47:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.993	2793650	20.992 ug/ml
Spiked Amount	50.000		Recovery =	41.98%
6) S	2-Flurobiphenyl (SURR)	8.868	1855954	20.809 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	41.62%
11) S	ortho-Terphenyl (SURR)	11.929	3122953	21.203 ug/ml
Spiked Amount	50.000		Recovery =	42.41%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.610	3215969	21.130 ug/ml
2) T	Naphthalene (C11.7)	6.275	3300201	21.029 ug/ml
3) T	2-Methylnaphthalene (...	7.369	3287561	20.957 ug/ml
5) T	Acenaphthylene (C15.06)	8.668	3181239	20.919 ug/ml
7) T	Acenaphthene (C15.5)	8.968	3187002	21.003 ug/ml
8) T	Flouorene (C16.55)	9.756	3058413	20.618 ug/ml
9) T	Phenanthrene (C19.36)	11.163	3014162	20.783 ug/ml
10) T	Anthracene (C19.43)	11.237	2670686	19.462 ug/ml
12) T	Fluoranthene (C21.85)	12.984	2930291	20.968 ug/ml
13) T	Pyrene (C20.8)	13.283	2896873	21.024 ug/ml
14) T	Benzo[a]anthracene (C...	15.161	2647258	19.839 ug/ml
15) T	Chrysene (C27.41)	15.204	2731832	20.123 ug/ml
16) T	benzo[b]fluoranthene ...	16.720	2823394	20.540 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.752	2623216	20.393 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.100	2736903	20.185 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.470	2564331	18.658 ug/ml
20) T	Dibenz[a,h]anthracene...	18.509	2464341	16.656 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.728	2956690	20.203 ug/ml

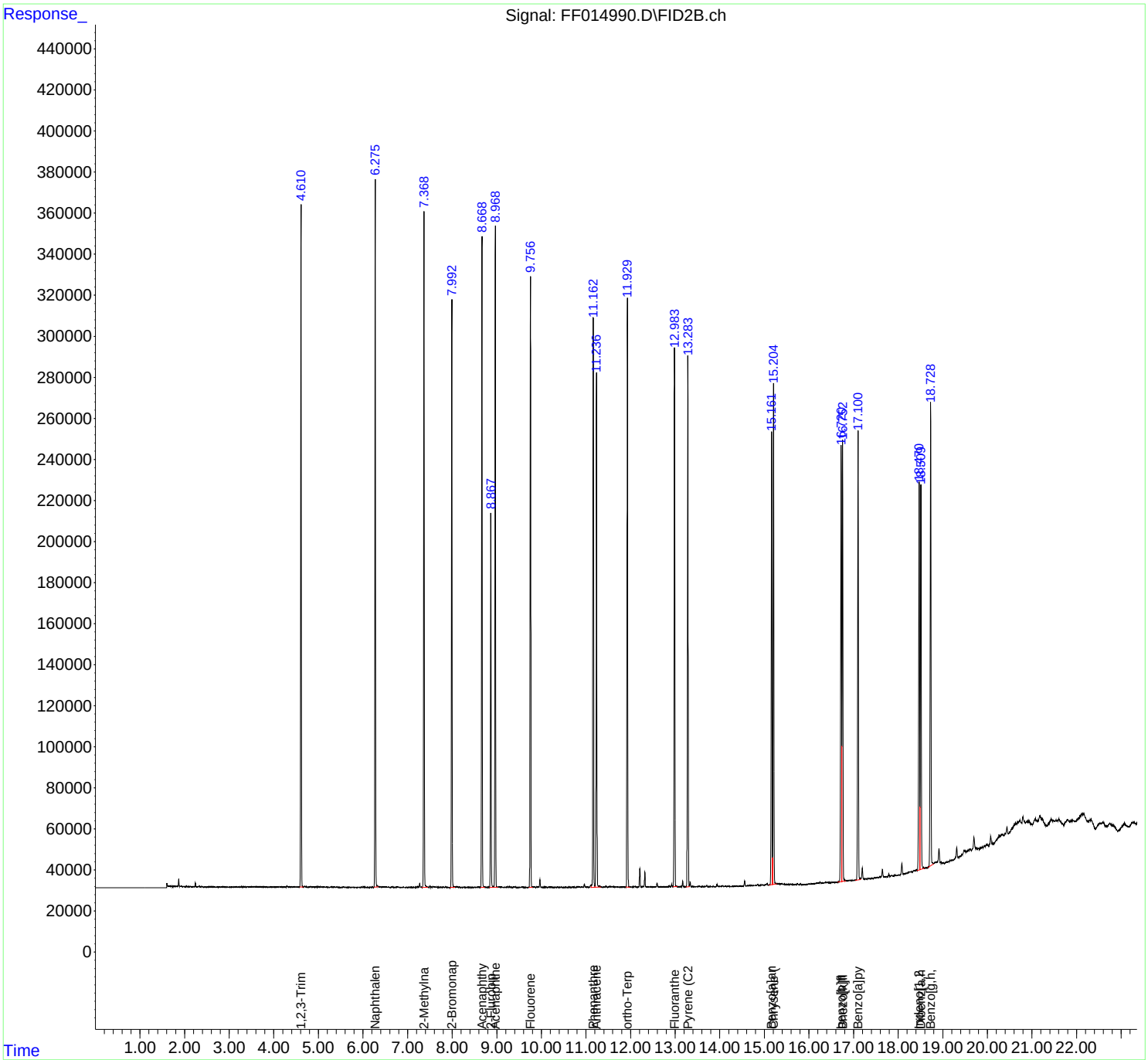
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014990.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:35
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:47:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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_F\Data\FF111124AR\
Data File : FF014990.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 09:35
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.610	4.579	4.667	BV	332292	3215969	97.45%	5.354%
2	6.275	6.242	6.347	BB	344791	3300201	100.00%	5.495%
3	7.369	7.326	7.456	BB	329400	3287561	99.62%	5.474%
4	7.993	7.944	8.064	BB	286583	2793650	84.65%	4.651%
5	8.668	8.629	8.734	BB	318570	3181239	96.40%	5.297%
6	8.868	8.832	8.936	BV	182427	1855954	56.24%	3.090%
7	8.968	8.936	9.017	VB	320716	3187002	96.57%	5.306%
8	9.756	9.716	9.804	BB	297009	3058413	92.67%	5.092%
9	11.163	11.115	11.206	VV	277087	3014162	91.33%	5.018%
10	11.237	11.206	11.334	VB	250066	2670686	80.92%	4.446%
11	11.929	11.891	11.986	BB	287007	3122953	94.63%	5.199%
12	12.984	12.947	13.047	VB	262324	2930291	88.79%	4.879%
13	13.283	13.237	13.314	BV	258730	2896873	87.78%	4.823%
14	15.161	15.099	15.181	BV	220298	2647258	80.22%	4.407%
15	15.204	15.181	15.284	VB	244537	2731832	82.78%	4.548%
16	16.720	16.644	16.735	BV	213438	2823394	85.55%	4.701%
17	16.752	16.735	16.831	VB	215000	2623216	79.49%	4.367%
18	17.100	17.032	17.157	BV	219294	2736903	82.93%	4.557%
19	18.470	18.421	18.488	PV	188987	2564331	77.70%	4.269%
20	18.509	18.488	18.594	VB	187030	2464341	74.67%	4.103%
21	18.728	18.661	18.800	BBA	226546	2956690	89.59%	4.923%
			Sum of corrected areas:			60062919		

Aromatic EPH 110724.M Mon Nov 11 22:44:05 2024

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Continuing Calibration Report for SequenceID : FF111124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF014998.D**						
Aromatic C10-C12	6299210.000	40.000	4.510	6.375	157480.250	154569.237	-1.883
Aromatic C12-C16	9343627.000	60.000	6.376	9.068	155727.117	153560.844	-1.411
Aromatic C16-C21	11272623.000	80.000	9.069	13.383	140907.788	142096.237	0.836
Aromatic C21-C36	24616511.000	180.000	13.384	18.828	136758.394	138041.042	0.929
Aromatic EPH	51531971.000	360.000	4.510	18.828	143144.364	143365.296	0.154

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:	11 Nov 2024 15:33
Client Sample ID:		Operator:	YP\AJ
Data file:	FF014998.D	Misc:	
Instrument:	FID_F	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.510	6.375	6299210.000	40.000	ug/ml
Aromatic C12-C16	6.376	9.068	9343627.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.383	11272623.000	80.000	ug/ml
Aromatic C21-C36	13.384	18.828	24616511.000	180.000	ug/ml
Aromatic EPH	4.510	18.828	51531971.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014998.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 15:33
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:49:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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...	7.993	2703314	20.313 ug/ml
Spiked Amount	50.000		Recovery =	40.63%
6) S	2-Flurobiphenyl (SURR)	8.868	1798974	20.171 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.34%
11) S	ortho-Terphenyl (SURR)	11.930	3000510	20.372 ug/ml
Spiked Amount	50.000		Recovery =	40.74%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.610	3106405	20.410 ug/ml
2) T	Naphthalene (C11.7)	6.275	3192805	20.344 ug/ml
3) T	2-Methylnaphthalene (...	7.369	3191754	20.346 ug/ml
5) T	Acenaphthylene (C15.06)	8.668	3071026	20.195 ug/ml
7) T	Acenaphthene (C15.5)	8.968	3080847	20.304 ug/ml
8) T	Flouorene (C16.55)	9.756	2982923	20.110 ug/ml
9) T	Phenanthrene (C19.36)	11.162	2917238	20.114 ug/ml
10) T	Anthracene (C19.43)	11.237	2595870	18.916 ug/ml
12) T	Fluoranthene (C21.85)	12.982	2813178	20.130 ug/ml
13) T	Pyrene (C20.8)	13.281	2776592	20.151 ug/ml
14) T	Benzo[a]anthracene (C...	15.160	2644222	19.816 ug/ml
15) T	Chrysene (C27.41)	15.203	2704467	19.921 ug/ml
16) T	benzo[b]fluoranthene ...	16.719	2752450	20.024 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.750	2578848	20.048 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.098	2727357	20.115 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.469	2646867	19.259 ug/ml
20) T	Dibenz[a,h]anthracene...	18.508	2824817	19.093 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.727	2924305	19.982 ug/ml

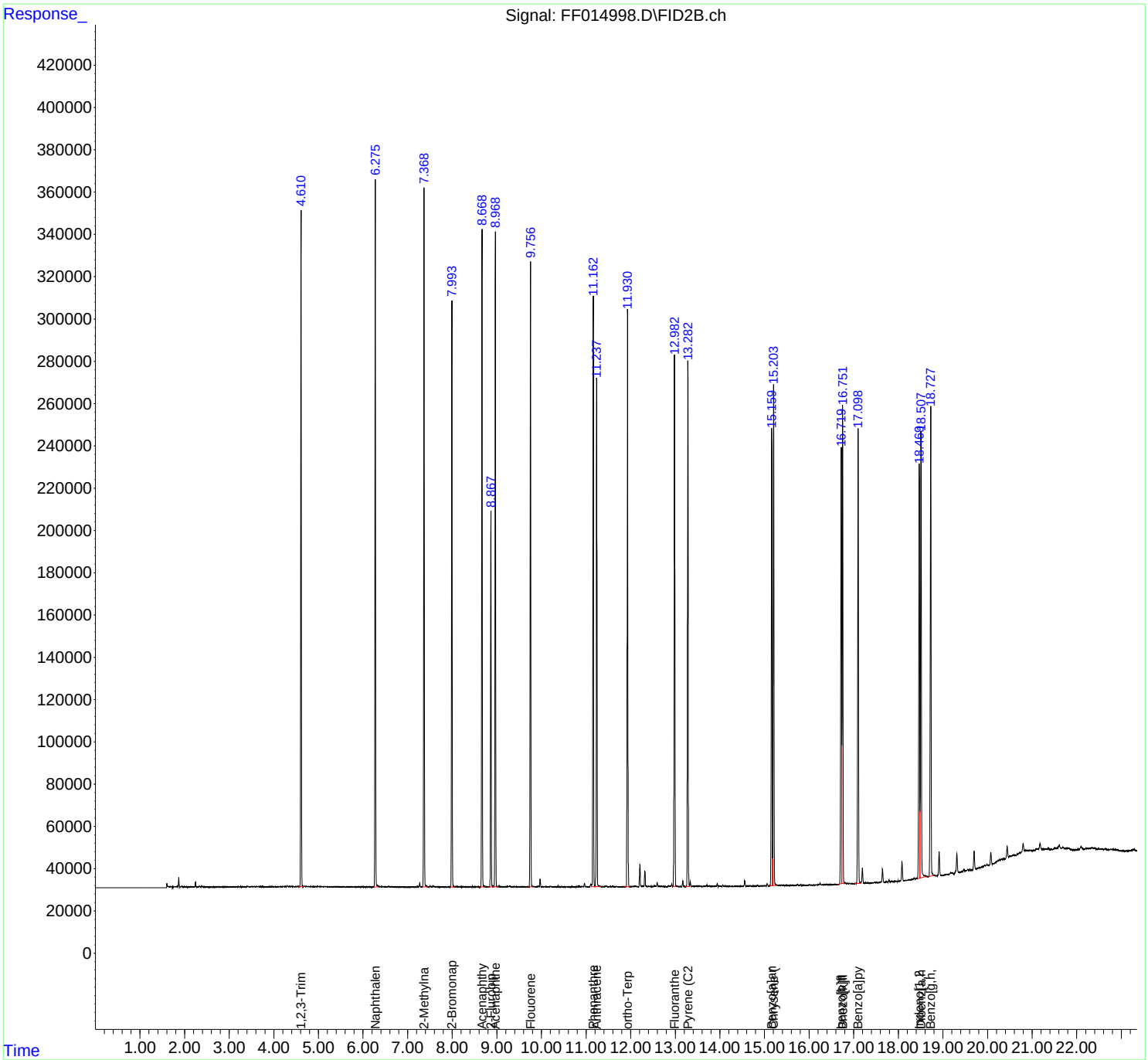
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111124AR\
Data File : FF014998.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 15:33
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:49:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 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_F\Data\FF111124AR\
Data File : FF014998.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2024 15:33
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.610	4.551	4.672	BB	320076	3106405	97.29%	5.262%
2	6.275	6.242	6.346	BB	334655	3192805	100.00%	5.408%
3	7.369	7.326	7.444	BB	331501	3191754	99.97%	5.407%
4	7.993	7.949	8.064	BB	276766	2703314	84.67%	4.579%
5	8.668	8.609	8.731	BB	312687	3071026	96.19%	5.202%
6	8.868	8.799	8.932	BV	178147	1798974	56.34%	3.047%
7	8.968	8.932	9.034	VB	310351	3080847	96.49%	5.219%
8	9.756	9.699	9.809	BB	293979	2982923	93.43%	5.053%
9	11.162	11.117	11.203	VV	280116	2917238	91.37%	4.942%
10	11.237	11.203	11.327	VB	240804	2595870	81.30%	4.397%
11	11.930	11.857	11.981	BB	271885	3000510	93.98%	5.083%
12	12.982	12.939	13.026	PB	251840	2813178	88.11%	4.765%
13	13.281	13.221	13.316	BV	247596	2776592	86.96%	4.703%
14	15.160	15.097	15.181	BV	215966	2644222	82.82%	4.479%
15	15.203	15.181	15.269	VB	236757	2704467	84.71%	4.581%
16	16.719	16.646	16.734	BV	206829	2752450	86.21%	4.662%
17	16.750	16.734	16.794	VB	226866	2578848	80.77%	4.368%
18	17.098	17.022	17.161	BV	215565	2727357	85.42%	4.620%
19	18.469	18.427	18.486	PV	195485	2646867	82.90%	4.484%
20	18.508	18.486	18.627	VB	211534	2824817	88.47%	4.785%
21	18.727	18.661	18.800	BBA	222739	2924305	91.59%	4.954%
			Sum of corrected areas:			59034767		

Aromatic EPH 110724.M Mon Nov 11 22:44:47 2024

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

Continuing Calibration Report for SequenceID : FG110824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014712.D**						
Aliphatic C9-C12	8279567.000	60.000	3.223	6.844	137992.783	131341.150	-5.064
Aliphatic C12-C16	5648242.000	40.000	6.845	10.289	141206.050	135821.940	-3.964
Aliphatic C16-C21	8324306.000	60.000	10.290	13.661	138738.433	141250.653	1.779
Aliphatic C21-C28	10463638.000	80.000	13.662	17.327	130795.475	140581.144	6.961
Aliphatic C28-C40	12316329.000	120.000	17.328	22.264	102636.075	105686.976	2.887
Aliphatic EPH	45032082.000	360.000	3.223	22.264	125089.117	126992.540	1.499

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 14:51
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014712.D	Misc:	
Instrument:	FID_G	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.223	6.844	8279567.000	60.000	ug/ml
Aliphatic C12-C16	6.845	10.289	5648242.000	40.000	ug/ml
Aliphatic C16-C21	10.290	13.661	8324306.000	60.000	ug/ml
Aliphatic C21-C28	13.662	17.327	10463638.000	80.000	ug/ml
Aliphatic C28-C40	17.328	22.264	12316329.000	120.000	ug/ml
Aliphatic EPH	3.223	22.264	45032082.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014712.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 14:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 09 03:40:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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)	11.953	3036926	19.814 ug/ml
Spiked Amount	50.000	Recovery =	39.63%	
12)	S 1-chlorooctadecane (S...	13.393	2346691	19.111 ug/ml
Spiked Amount	50.000	Recovery =	38.22%	
	Target Compounds			
1)	T n-Nonane (C9)	3.323	2703585	20.891 ug/ml
2)	T n-Decane (C10)	4.574	2770739	21.027 ug/ml
3)	T A~Naphthalene (C11.7)	6.278	2983586	20.799 ug/ml
4)	T n-Dodecane (C12)	6.744	2805243	21.117 ug/ml
5)	T A~2-methylnaphthalene...	7.376	2891164	20.724 ug/ml
6)	T n-Tetradecane (C14)	8.577	2784336	20.985 ug/ml
7)	T n-Hexadecane (C16)	10.189	2863906	20.609 ug/ml
8)	T n-Octadecane (C18)	11.636	2878594	20.108 ug/ml
10)	T n-Eicosane (C20)	12.949	2751698	19.567 ug/ml
11)	T n-Heneicosane (C21)	13.561	2694014	19.248 ug/ml
13)	T n-Docosane (C22)	14.149	2679026	19.044 ug/ml
14)	T n-Tetracosane (C24)	15.254	2674604	18.796 ug/ml
15)	T n-Hexacosane (C26)	16.277	2588544	18.339 ug/ml
16)	T n-Octacosane (C28)	17.227	2521464	18.244 ug/ml
17)	T n-Tricontane (C30)	18.115	2573913	18.571 ug/ml
18)	T n-Dotriacontane (C32)	18.948	2477391	18.922 ug/ml
19)	T n-Tetratriacontane (C34)	19.732	2115034	18.896 ug/ml
20)	T n-Hexatriacontane (C36)	20.474	1808012	19.425 ug/ml
21)	T n-Octatriacontane (C38)	21.225	1687104	20.193 ug/ml
22)	T n-Tetracontane (C40)	22.164	1654875	21.762 ug/ml

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

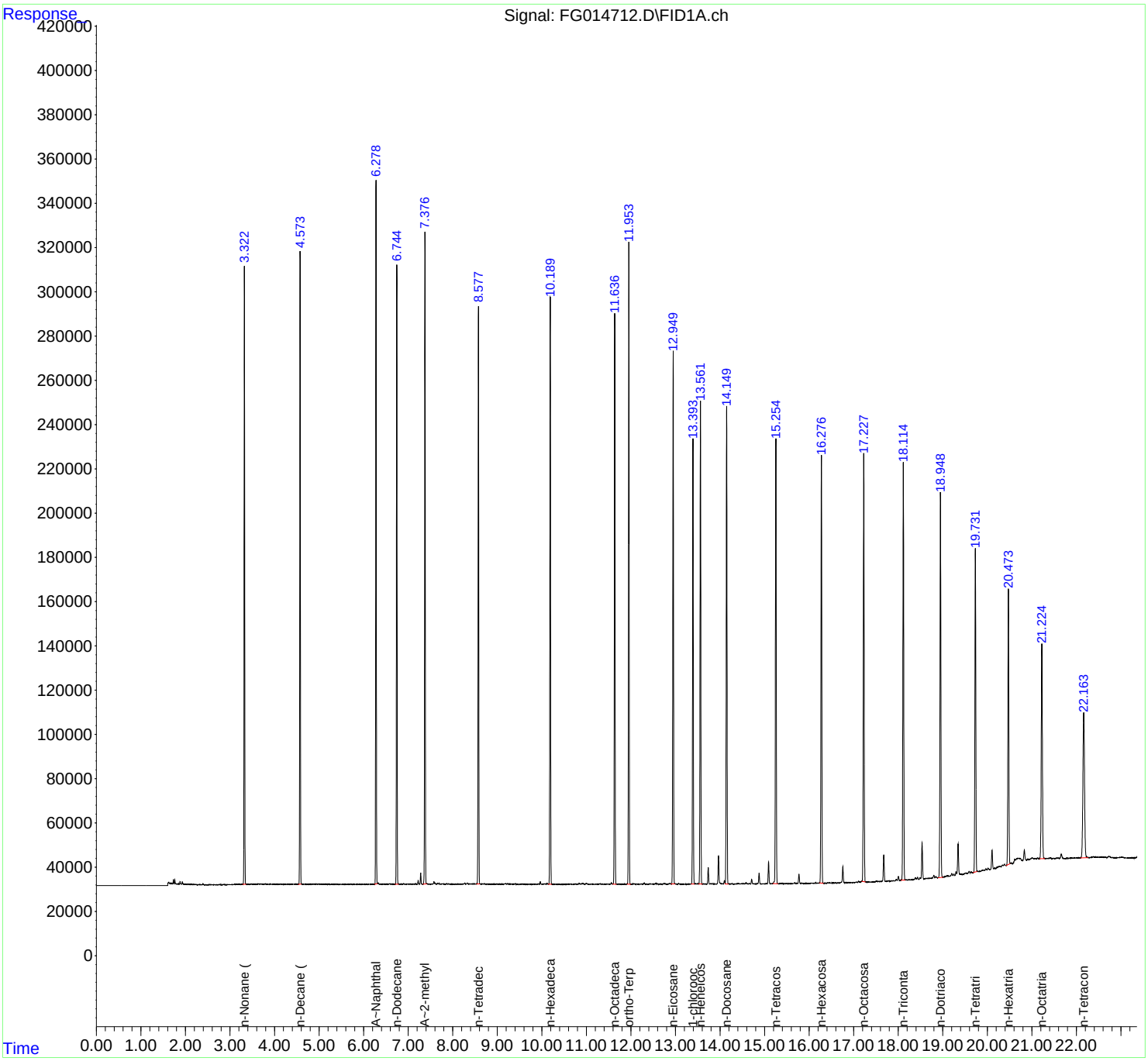
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014712.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 14:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 09 03:40:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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_G\Data\FG110824AL\
Data File : FG014712.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 14:51
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.323	3.280	3.363	BB	279442	2703585	89.02%	4.803%
2	4.574	4.534	4.603	BB	285616	2770739	91.23%	4.922%
3	6.278	6.237	6.312	BB	317784	2983586	98.24%	5.300%
4	6.744	6.699	6.787	BB	279734	2805243	92.37%	4.984%
5	7.376	7.329	7.418	BB	294308	2891164	95.20%	5.136%
6	8.577	8.533	8.609	BB	260876	2784336	91.68%	4.946%
7	10.189	10.142	10.225	BB	265707	2863906	94.30%	5.088%
8	11.636	11.588	11.674	BB	257499	2878594	94.79%	5.114%
9	11.953	11.908	12.000	BB	290371	3036926	100.00%	5.395%
10	12.949	12.899	12.993	BB	241158	2751698	90.61%	4.888%
11	13.393	13.350	13.429	BB	201264	2346691	77.27%	4.169%
12	13.561	13.513	13.606	BB	218042	2694014	88.71%	4.786%
13	14.149	14.116	14.189	VB	215722	2679026	88.22%	4.759%
14	15.254	15.183	15.303	BB	200775	2674604	88.07%	4.751%
15	16.277	16.227	16.323	BB	193298	2588544	85.24%	4.599%
16	17.227	17.179	17.265	BB	193808	2521464	83.03%	4.479%
17	18.115	18.058	18.155	BB	188357	2573913	84.75%	4.573%
18	18.948	18.890	19.008	BB	173976	2477391	81.58%	4.401%
19	19.732	19.672	19.773	BB	146095	2115034	69.64%	3.757%
20	20.474	20.418	20.515	BB	124532	1808012	59.53%	3.212%
21	21.225	21.167	21.294	BB	96924	1687104	55.55%	2.997%
22	22.164	22.085	22.269	BB	65657	1654875	54.49%	2.940%
			Sum of corrected areas:			56290450		

Aliphatic EPH 102124.M Sat Nov 09 05:15:57 2024

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

Continuing Calibration Report for SequenceID : FG110824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014719.D**						
Aliphatic C9-C12	8042156.000	60.000	3.223	6.844	134035.933	131341.150	-2.052
Aliphatic C12-C16	5549385.000	40.000	6.845	10.289	138734.625	135821.940	-2.144
Aliphatic C16-C21	8165847.000	60.000	10.290	13.661	136097.450	141250.653	3.648
Aliphatic C21-C28	10243944.000	80.000	13.662	17.327	128049.300	140581.144	8.914
Aliphatic C28-C40	12602267.000	120.000	17.328	22.264	105018.892	105686.976	0.632
Aliphatic EPH	44603599.000	360.000	3.223	22.264	123898.886	126992.540	2.436

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	08 Nov 2024 19:52
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014719.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.223	6.844	8042156.000	60.000	ug/ml
Aliphatic C12-C16	6.845	10.289	5549385.000	40.000	ug/ml
Aliphatic C16-C21	10.290	13.661	8165847.000	60.000	ug/ml
Aliphatic C21-C28	13.662	17.327	10243944.000	80.000	ug/ml
Aliphatic C28-C40	17.328	22.264	12602267.000	120.000	ug/ml
Aliphatic EPH	3.223	22.264	44603599.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014719.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 09 03:41:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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)	11.950	2985111	19.476 ug/ml
Spiked Amount	50.000	Recovery	=	38.95%
12)	S 1-chlorooctadecane (S...	13.389	2299722	18.729 ug/ml
Spiked Amount	50.000	Recovery	=	37.46%
	Target Compounds			
1)	T n-Nonane (C9)	3.323	2612193	20.185 ug/ml
2)	T n-Decane (C10)	4.574	2690743	20.420 ug/ml
3)	T A~Naphthalene (C11.7)	6.277	2887018	20.126 ug/ml
4)	T n-Dodecane (C12)	6.743	2739220	20.620 ug/ml
5)	T A~2-methylnaphthalene...	7.375	2811046	20.150 ug/ml
6)	T n-Tetradecane (C14)	8.575	2732686	20.596 ug/ml
7)	T n-Hexadecane (C16)	10.186	2816699	20.269 ug/ml
8)	T n-Octadecane (C18)	11.633	2826277	19.742 ug/ml
10)	T n-Eicosane (C20)	12.944	2699908	19.199 ug/ml
11)	T n-Heneicosane (C21)	13.557	2639662	18.859 ug/ml
13)	T n-Docosane (C22)	14.144	2622795	18.645 ug/ml
14)	T n-Tetracosane (C24)	15.250	2598505	18.261 ug/ml
15)	T n-Hexacosane (C26)	16.271	2523516	17.878 ug/ml
16)	T n-Octacosane (C28)	17.222	2499128	18.083 ug/ml
17)	T n-Tricontane (C30)	18.111	2629653	18.973 ug/ml
18)	T n-Dotriacontane (C32)	18.943	2565770	19.597 ug/ml
19)	T n-Tetratriacontane (C34)	19.727	2198336	19.641 ug/ml
20)	T n-Hexatriacontane (C36)	20.467	1851006	19.887 ug/ml
21)	T n-Octatriacontane (C38)	21.216	1706494	20.425 ug/ml
22)	T n-Tetracontane (C40)	22.153	1651008	21.712 ug/ml

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

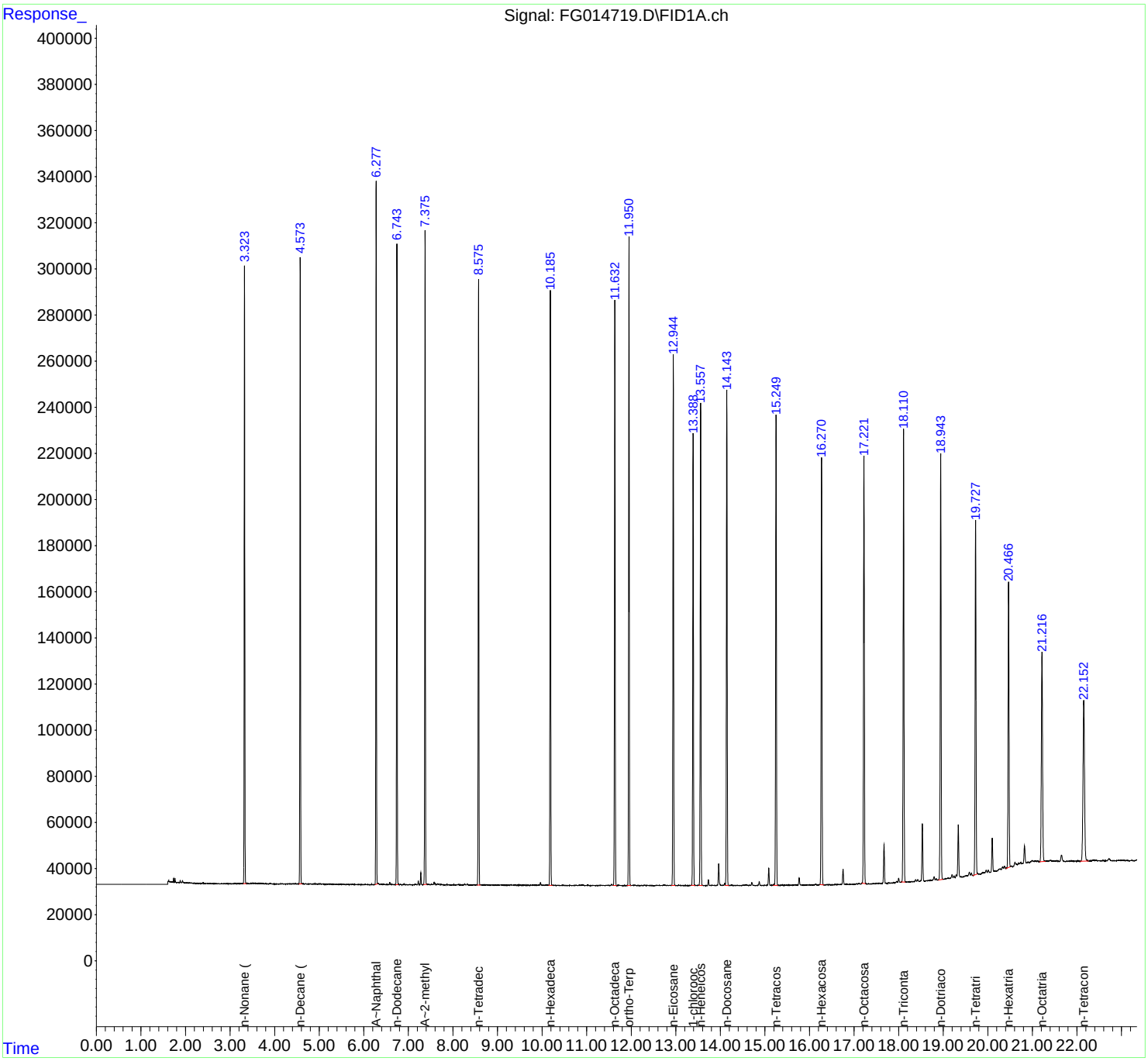
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110824AL\
Data File : FG014719.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 09 03:41:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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_G\Data\FG110824AL\
Data File : FG014719.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:52
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.323	3.293	3.368	BB	267656	2612193	87.51%	4.699%
2	4.574	4.541	4.618	BB	271279	2690743	90.14%	4.841%
3	6.277	6.249	6.313	BB	304368	2887018	96.71%	5.194%
4	6.743	6.711	6.779	BB	277778	2739220	91.76%	4.928%
5	7.375	7.338	7.418	BB	283329	2811046	94.17%	5.057%
6	8.575	8.543	8.619	BB	262559	2732686	91.54%	4.916%
7	10.186	10.143	10.232	BB	257852	2816699	94.36%	5.067%
8	11.633	11.588	11.673	BB	253755	2826277	94.68%	5.084%
9	11.950	11.905	11.991	BB	280847	2985111	100.00%	5.370%
10	12.944	12.901	12.986	BB	230049	2699908	90.45%	4.857%
11	13.389	13.340	13.437	BB	195752	2299722	77.04%	4.137%
12	13.557	13.512	13.602	BB	209232	2639662	88.43%	4.749%
13	14.144	14.112	14.190	VB	214085	2622795	87.86%	4.718%
14	15.250	15.182	15.293	BB	203524	2598505	87.05%	4.675%
15	16.271	16.232	16.324	BB	185270	2523516	84.54%	4.540%
16	17.222	17.175	17.261	BB	185300	2499128	83.72%	4.496%
17	18.111	18.059	18.152	BB	196276	2629653	88.09%	4.731%
18	18.943	18.888	18.994	BB	184867	2565770	85.95%	4.616%
19	19.727	19.671	19.768	BB	153519	2198336	73.64%	3.955%
20	20.467	20.412	20.506	BB	123460	1851006	62.01%	3.330%
21	21.216	21.157	21.292	BB	90580	1706494	57.17%	3.070%
22	22.153	22.070	22.260	BB	69679	1651008	55.31%	2.970%
			Sum of corrected areas:			55586494		

Aliphatic EPH 102124.M Sat Nov 09 05:17:05 2024

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

Continuing Calibration Report for SequenceID : FG111124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014723.D**						
Aliphatic C9-C12	8558501.000	60.000	3.223	6.843	142641.683	131341.150	-8.604
Aliphatic C12-C16	5988048.000	40.000	6.844	10.286	149701.200	135821.940	-10.219
Aliphatic C16-C21	9016323.000	60.000	10.287	13.658	150272.050	141250.653	-6.387
Aliphatic C21-C28	11869037.000	80.000	13.659	17.322	148362.963	140581.144	-5.535
Aliphatic C28-C40	13461646.000	120.000	17.323	22.254	112180.383	105686.976	-6.144
Aliphatic EPH	48893555.000	360.000	3.223	22.254	135815.431	126992.540	-6.948

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:	11 Nov 2024 09:35
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014723.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.223	6.843	8558501.000	60.000	ug/ml
Aliphatic C12-C16	6.844	10.286	5988048.000	40.000	ug/ml
Aliphatic C16-C21	10.287	13.658	9016323.000	60.000	ug/ml
Aliphatic C21-C28	13.659	17.322	11869037.000	80.000	ug/ml
Aliphatic C28-C40	17.323	22.254	13461646.000	120.000	ug/ml
Aliphatic EPH	3.223	22.254	48893555.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014723.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:35
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:49:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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)	11.950	3258045	21.257 ug/ml
Spiked Amount	50.000		Recovery =	42.51%
12)	S 1-chlorooctadecane (S...	13.390	2471975	20.132 ug/ml
Spiked Amount	50.000		Recovery =	40.26%
	Target Compounds			
1)	T n-Nonane (C9)	3.323	2767422	21.384 ug/ml
2)	T n-Decane (C10)	4.573	2866661	21.755 ug/ml
3)	T A~Naphthalene (C11.7)	6.277	3060192	21.333 ug/ml
4)	T n-Dodecane (C12)	6.743	2924418	22.014 ug/ml
5)	T A~2-methylnaphthalene...	7.374	2969523	21.286 ug/ml
6)	T n-Tetradecane (C14)	8.574	2934738	22.119 ug/ml
7)	T n-Hexadecane (C16)	10.186	3053310	21.972 ug/ml
8)	T n-Octadecane (C18)	11.633	3103030	21.675 ug/ml
10)	T n-Eicosane (C20)	12.945	2993281	21.285 ug/ml
11)	T n-Heneicosane (C21)	13.558	2920012	20.862 ug/ml
13)	T n-Docosane (C22)	14.145	2950188	20.972 ug/ml
14)	T n-Tetracosane (C24)	15.250	3002778	21.102 ug/ml
15)	T n-Hexacosane (C26)	16.271	2969014	21.034 ug/ml
16)	T n-Octacosane (C28)	17.222	2947057	21.324 ug/ml
17)	T n-Tricontane (C30)	18.111	3034181	21.891 ug/ml
18)	T n-Dotriacontane (C32)	18.943	2878010	21.982 ug/ml
19)	T n-Tetratriacontane (C34)	19.727	2361833	21.101 ug/ml
20)	T n-Hexatriacontane (C36)	20.466	1926880	20.702 ug/ml
21)	T n-Octatriacontane (C38)	21.215	1691223	20.242 ug/ml
22)	T n-Tetracontane (C40)	22.154	1569519	20.640 ug/ml

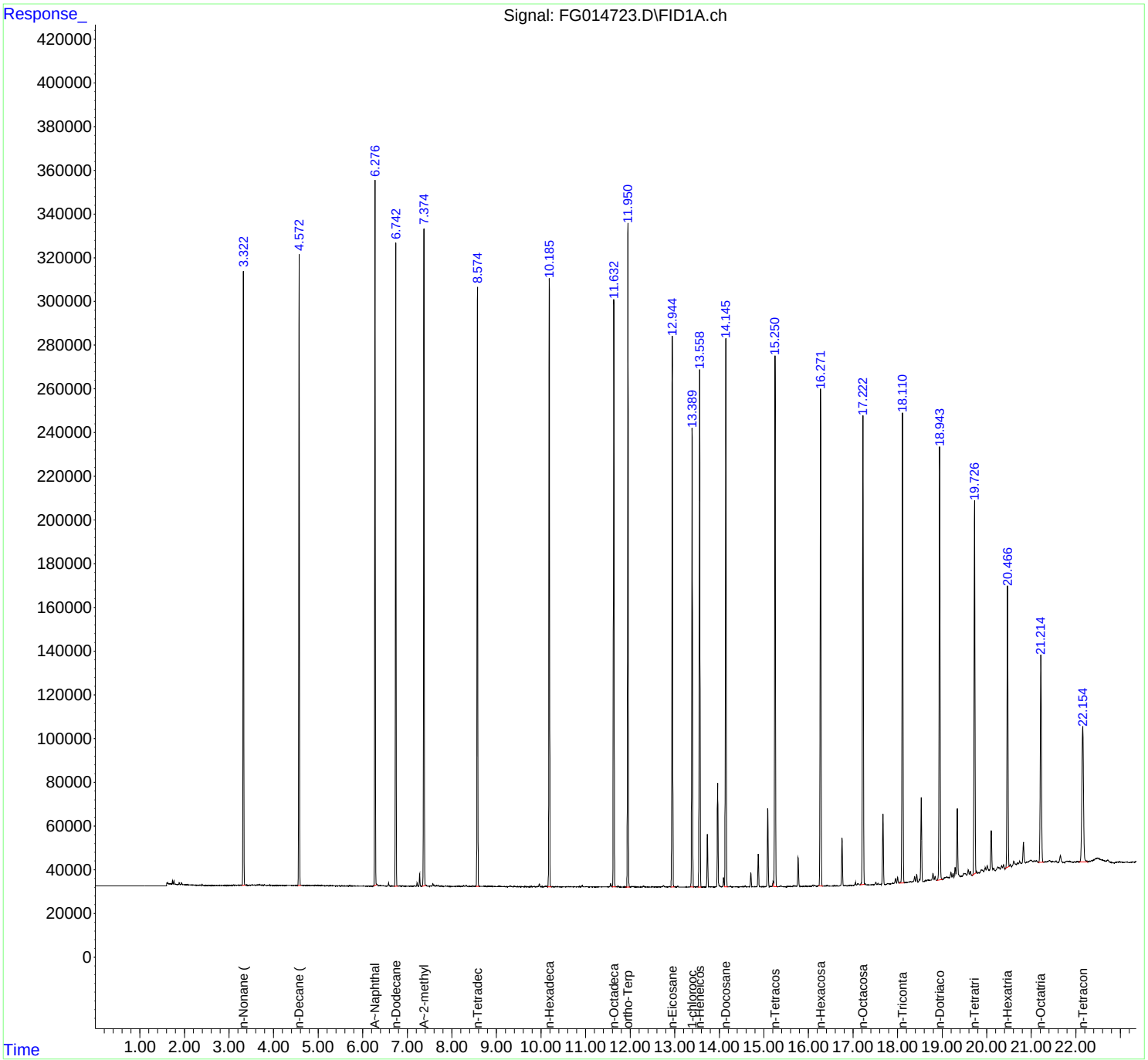
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014723.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:35
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:49:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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_G\Data\FG111124AL\
Data File : FG014723.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 09:35
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.323	3.288	3.366	BB	281003	2767422	84.94%	4.563%
2	4.573	4.541	4.616	BB	288366	2866661	87.99%	4.726%
3	6.277	6.245	6.315	BB	322838	3060192	93.93%	5.045%
4	6.743	6.706	6.787	BB	294184	2924418	89.76%	4.822%
5	7.374	7.332	7.419	BB	300153	2969523	91.14%	4.896%
6	8.574	8.540	8.617	BB	273880	2934738	90.08%	4.839%
7	10.186	10.143	10.233	BB	278614	3053310	93.72%	5.034%
8	11.633	11.590	11.678	BB	268775	3103030	95.24%	5.116%
9	11.950	11.903	11.991	BB	303869	3258045	100.00%	5.372%
10	12.945	12.908	12.993	BB	252109	2993281	91.87%	4.935%
11	13.390	13.347	13.426	BB	210209	2471975	75.87%	4.076%
12	13.558	13.519	13.598	BB	237052	2920012	89.62%	4.814%
13	14.145	14.113	14.189	VB	250791	2950188	90.55%	4.864%
14	15.250	15.217	15.298	VB	242742	3002778	92.17%	4.951%
15	16.271	16.223	16.323	BB	227086	2969014	91.13%	4.895%
16	17.222	17.157	17.258	BB	214464	2947057	90.45%	4.859%
17	18.111	18.032	18.150	BB	215200	3034181	93.13%	5.003%
18	18.943	18.879	19.000	BB	198239	2878010	88.34%	4.745%
19	19.727	19.668	19.761	BV	170571	2361833	72.49%	3.894%
20	20.466	20.407	20.503	BV	128697	1926880	59.14%	3.177%
21	21.215	21.153	21.283	BB	94876	1691223	51.91%	2.788%
22	22.154	22.070	22.268	BB	62017	1569519	48.17%	2.588%
			Sum of corrected areas:			60653292		

Aliphatic EPH 102124.M Mon Nov 11 21:46:38 2024

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

Continuing Calibration Report for SequenceID : FG111124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014727.D**						
Aliphatic C9-C12	7919524.000	60.000	3.223	6.843	131992.067	131341.150	-0.496
Aliphatic C12-C16	5369346.000	40.000	6.844	10.286	134233.650	135821.940	1.169
Aliphatic C16-C21	7880231.000	60.000	10.287	13.658	131337.183	141250.653	7.018
Aliphatic C21-C28	9567523.000	80.000	13.659	17.322	119594.038	140581.144	14.929
Aliphatic C28-C40	10540379.000	120.000	17.323	22.254	87836.492	105686.976	16.890
Aliphatic EPH	41277003.000	360.000	3.223	22.254	114658.342	126992.540	9.713

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:	11 Nov 2024 12:15
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014727.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.223	6.843	7919524.000	60.000	ug/ml
Aliphatic C12-C16	6.844	10.286	5369346.000	40.000	ug/ml
Aliphatic C16-C21	10.287	13.658	7880231.000	60.000	ug/ml
Aliphatic C21-C28	13.659	17.322	9567523.000	80.000	ug/ml
Aliphatic C28-C40	17.323	22.254	10540379.000	120.000	ug/ml
Aliphatic EPH	3.223	22.254	41277003.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014727.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 12:15
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:49:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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)	11.949	2883297	18.812 ug/ml
Spiked Amount	50.000		Recovery =	37.62%
12)	S 1-chlorooctadecane (S...	13.388	2170589	17.677 ug/ml
Spiked Amount	50.000		Recovery =	35.35%
	Target Compounds			
1)	T n-Nonane (C9)	3.323	2599640	20.088 ug/ml
2)	T n-Decane (C10)	4.574	2648030	20.096 ug/ml
3)	T A~Naphthalene (C11.7)	6.277	2836335	19.772 ug/ml
4)	T n-Dodecane (C12)	6.743	2671854	20.113 ug/ml
5)	T A~2-methylnaphthalene...	7.375	2726805	19.546 ug/ml
6)	T n-Tetradecane (C14)	8.575	2648251	19.960 ug/ml
7)	T n-Hexadecane (C16)	10.186	2721095	19.581 ug/ml
8)	T n-Octadecane (C18)	11.632	2733148	19.092 ug/ml
10)	T n-Eicosane (C20)	12.944	2602171	18.504 ug/ml
11)	T n-Heneicosane (C21)	13.557	2544912	18.182 ug/ml
13)	T n-Docosane (C22)	14.144	2512099	17.858 ug/ml
14)	T n-Tetracosane (C24)	15.248	2455713	17.258 ug/ml
15)	T n-Hexacosane (C26)	16.271	2353550	16.674 ug/ml
16)	T n-Octacosane (C28)	17.222	2246161	16.252 ug/ml
17)	T n-Tricontane (C30)	18.110	2221599	16.029 ug/ml
18)	T n-Dotriacontane (C32)	18.943	2097341	16.019 ug/ml
19)	T n-Tetratriacontane (C34)	19.726	1825951	16.314 ug/ml
20)	T n-Hexatriacontane (C36)	20.466	1568764	16.855 ug/ml
21)	T n-Octatriacontane (C38)	21.215	1463549	17.517 ug/ml
22)	T n-Tetracontane (C40)	22.153	1363175	17.926 ug/ml

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

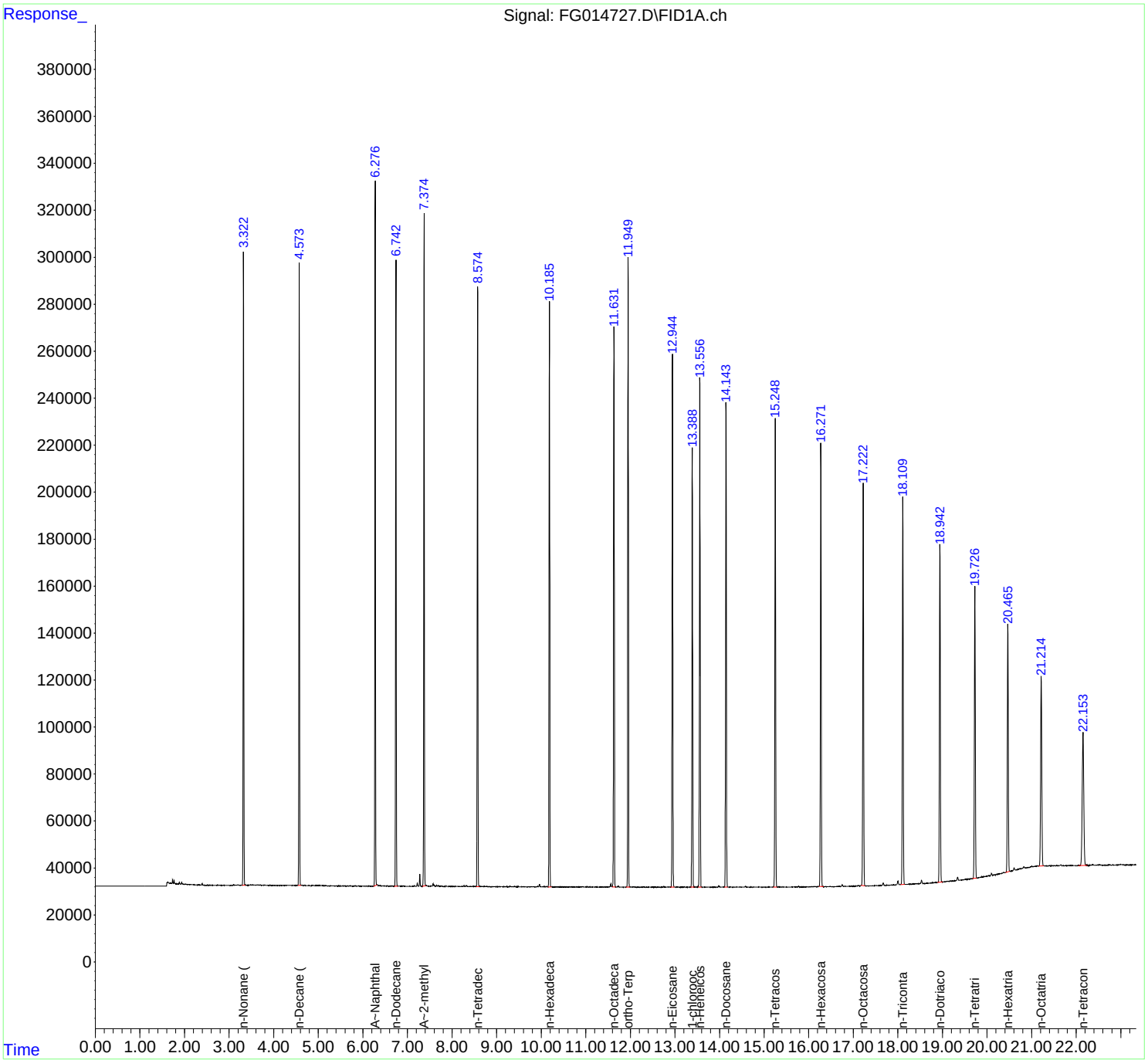
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111124AL\
Data File : FG014727.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 12:15
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 11 20:49:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102124.M
Quant Title : GC Extractables
QLast Update : Tue Oct 22 06:49:54 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_G\Data\FG111124AL\
Data File : FG014727.D
Signal(s) : FID1A.ch
Acq On : 11 Nov 2024 12:15
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic 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	3.323	3.292	3.363	BB	269379	2599640	90.16%	5.010%
2	4.574	4.543	4.616	BB	264739	2648030	91.84%	5.103%
3	6.277	6.242	6.317	BB	299960	2836335	98.37%	5.466%
4	6.743	6.702	6.784	BB	266659	2671854	92.67%	5.149%
5	7.375	7.334	7.418	BB	286512	2726805	94.57%	5.255%
6	8.575	8.540	8.618	BB	254936	2648251	91.85%	5.103%
7	10.186	10.150	10.230	BB	249326	2721095	94.37%	5.244%
8	11.632	11.594	11.671	BB	238407	2733148	94.79%	5.267%
9	11.949	11.906	11.991	BB	267899	2883297	100.00%	5.556%
10	12.944	12.896	12.990	BB	227117	2602171	90.25%	5.014%
11	13.388	13.354	13.435	BB	187142	2170589	75.28%	4.183%
12	13.557	13.523	13.597	BB	216859	2544912	88.26%	4.904%
13	14.144	14.108	14.183	BB	206026	2512099	87.13%	4.841%
14	15.248	15.205	15.291	BB	199653	2455713	85.17%	4.732%
15	16.271	16.229	16.323	BB	188622	2353550	81.63%	4.535%
16	17.222	17.172	17.260	BB	171245	2246161	77.90%	4.328%
17	18.110	18.058	18.152	BB	164813	2221599	77.05%	4.281%
18	18.943	18.891	18.995	BB	143811	2097341	72.74%	4.042%
19	19.726	19.674	19.768	BB	124225	1825951	63.33%	3.519%
20	20.466	20.417	20.506	BB	105418	1568764	54.41%	3.023%
21	21.215	21.154	21.272	BB	80727	1463549	50.76%	2.820%
22	22.153	22.057	22.244	BB	56689	1363175	47.28%	2.627%

Sum of corrected areas: 51894029

Aliphatic EPH 102124.M Mon Nov 11 21:47:10 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:	PB164790BL			SDG No.:	P4721		
Lab Sample ID:	PB164790BL			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
11/08/24 08:47	11/08/24 16:19	PB164790

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	FC067670.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067670.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067670.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067670.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067670.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048673.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048673.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048673.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048673.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164790BL		SDG No.:	P4721	
Lab Sample ID:	PB164790BL		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
FC067670.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164790BL	Acq On:	08 Nov 2024 16:19
Client Sample ID:	PB164790BL	Operator:	YP/AJ
Data file:	FC067670.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	0	0	300	ug/ml
Aliphatic C12-C16	6.451	9.841	0	0	200	ug/ml
Aliphatic C16-C21	9.842	13.199	0	0	300	ug/ml
Aliphatic C21-C28	13.200	16.853	0	0	400	ug/ml
Aliphatic C28-C40	16.854	21.698	0	0	600	ug/ml
Aliphatic EPH	3.171	21.698	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	4629394	42.87		ug/ml
Aliphatic C9-C28	3.171	16.853	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067670.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:19
Operator : YP/AJ
Sample : PB164790BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164790BL

Integration File: autoint1.e
Quant Time: Nov 09 01:37:03 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...	12.934	4629394	42.869 ug/ml
Spiked Amount 50.000		Recovery = 85.74%	
Target Compounds			

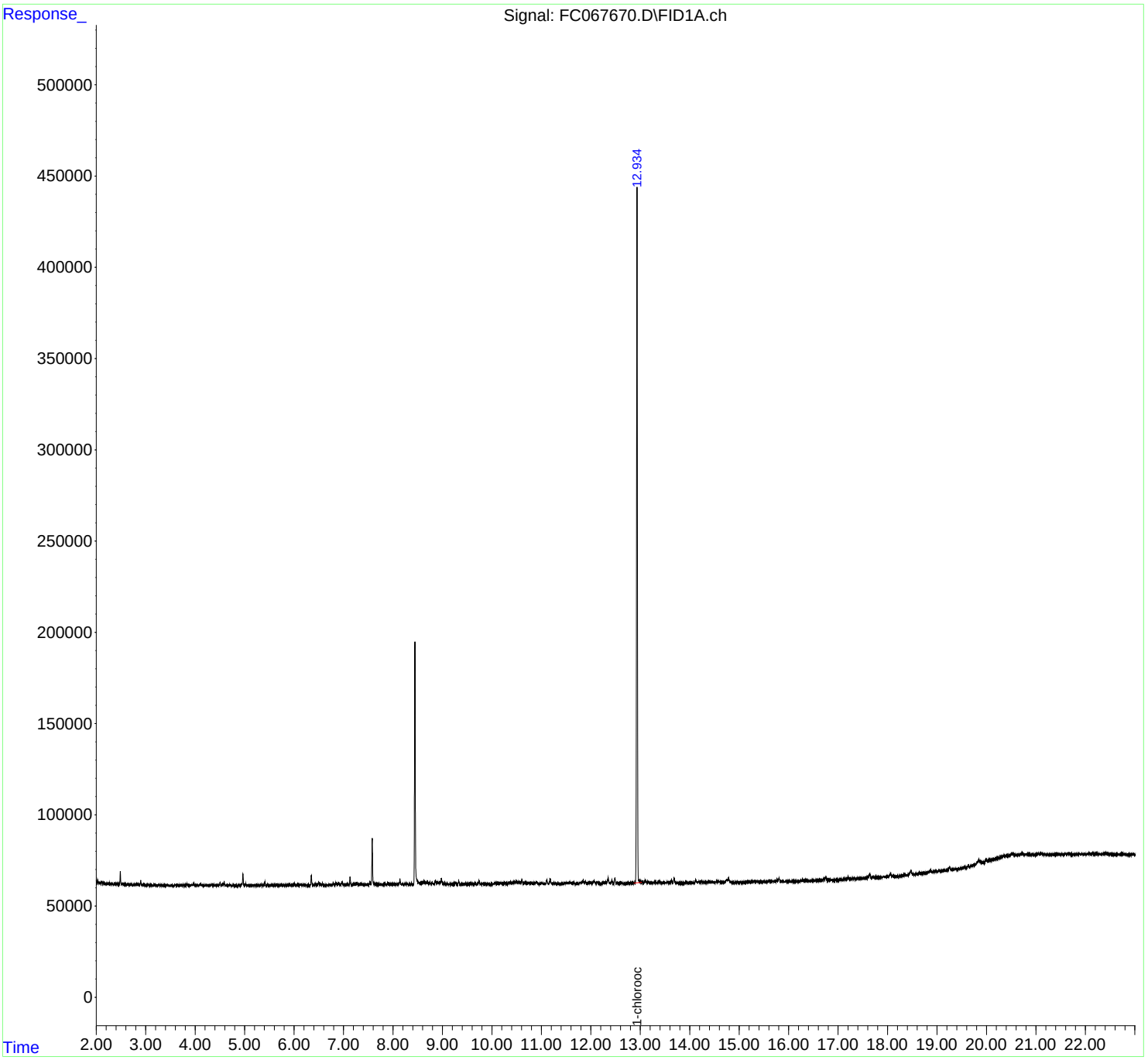
(f)=RT Delta > 1/2 Window (m)=manual int.

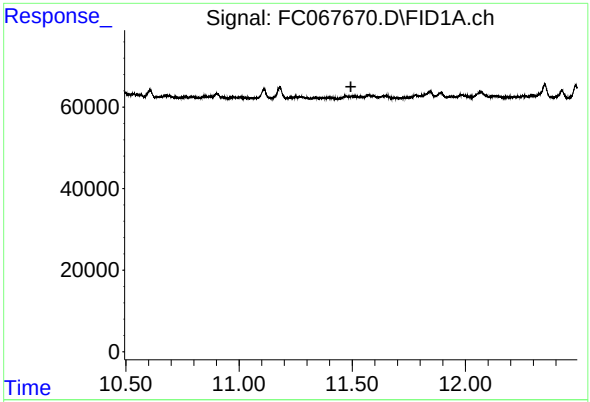
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067670.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:19
Operator : YP/AJ
Sample : PB164790BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164790BL

Integration File: autoint1.e
Quant Time: Nov 09 01:37:03 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

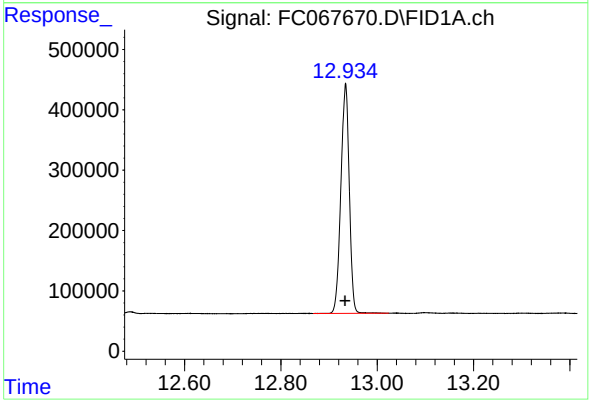




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164790BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.934 min
Delta R.T.: 0.001 min
Response: 4629394
Conc: 42.87 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067670.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:19
Sample : PB164790BL
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	12.934	12.867	13.024	BB	378871	4629394	100.00%	100.000%
			Sum of corrected areas:			4629394		

Aliphatic EPH 102324.M Sat Nov 09 02:11:55 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:	PB164790BL		SDG No.:	P4721	
Lab Sample ID:	PB164790BL		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
FD048673.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.2		40 - 140	92%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164790BL	Acq On:	08 Nov 2024 16:19
Client Sample ID:	PB164790BL	Operator:	YP/AJ
Data file:	FD048673.D	Misc:	
Instrument:	FID_D	ALS Vial:	56
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	0	0	200	ug/ml
Aromatic C12-C16	5.811	8.415	0	0	300	ug/ml
Aromatic C16-C21	8.416	12.678	0	0	500	ug/ml
Aromatic C21-C36	12.679	18.083	0	0	800	ug/ml
Aromatic EPH	4.092	18.083	0	0		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	6932733	40.7		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	7008484	46.18		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	3100787	31.58		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048673.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 16:19
Operator : YP/AJ
Sample : PB164790BL
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164790BL

Integration File: sample.E
Quant Time: Nov 09 01:07:13 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...	7.367	7008484	46.176 ug/ml
Spiked Amount 50.000		Recovery =	92.35%
6) S 2-Flurobiphenyl (SURR)	8.217	3100787	31.579 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	63.16%
11) S ortho-Terphenyl (SURR)	11.254	6932733	40.699 ug/ml
Spiked Amount 50.000		Recovery =	81.40%
Target Compounds			

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

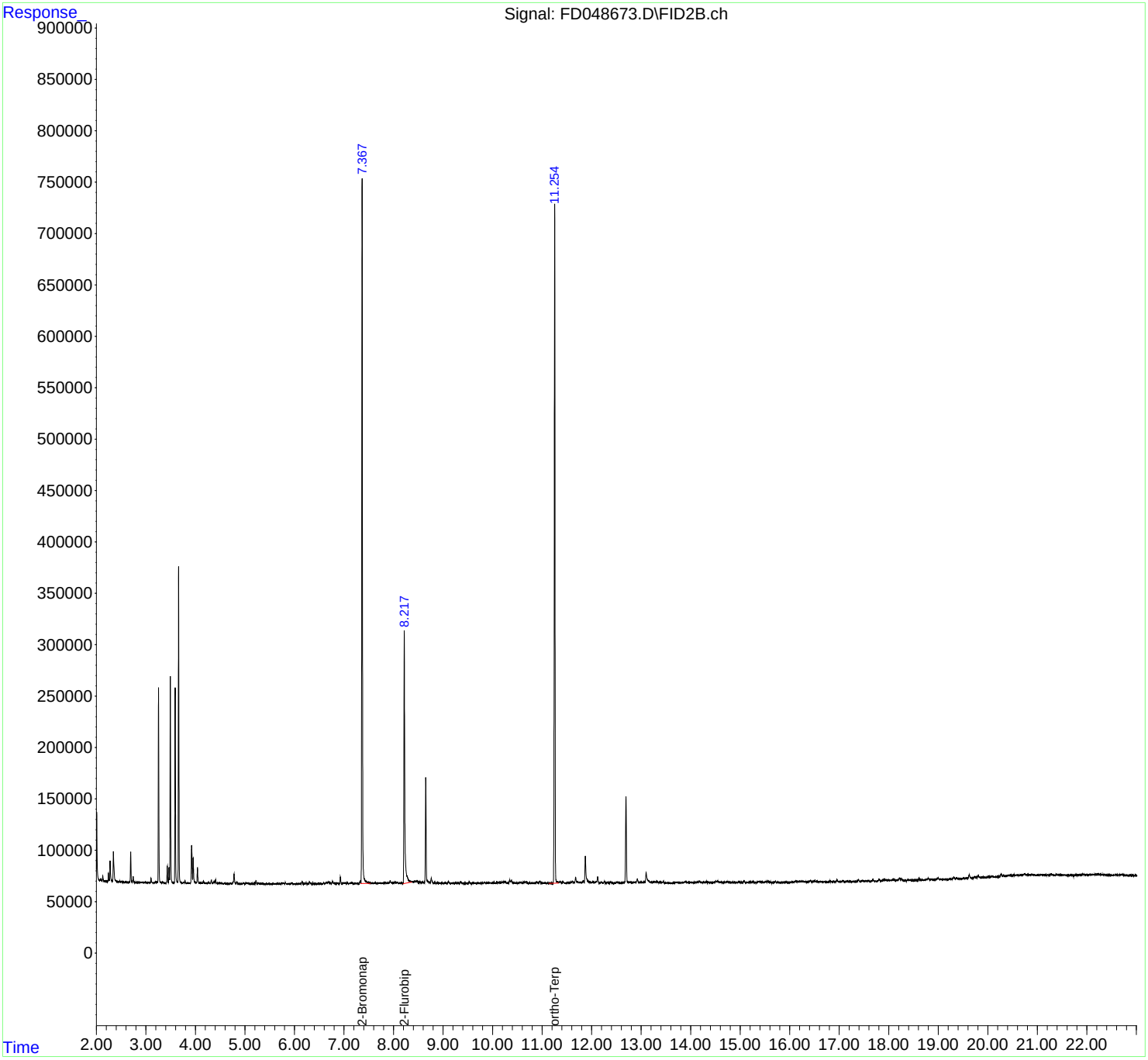
Quantitation Report (QT Reviewed)

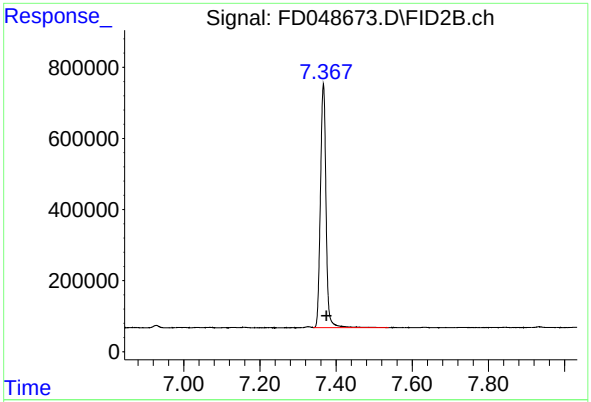
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048673.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 16:19
Operator : YP/AJ
Sample : PB164790BL
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164790BL

Integration File: sample.E
Quant Time: Nov 09 01:07:13 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

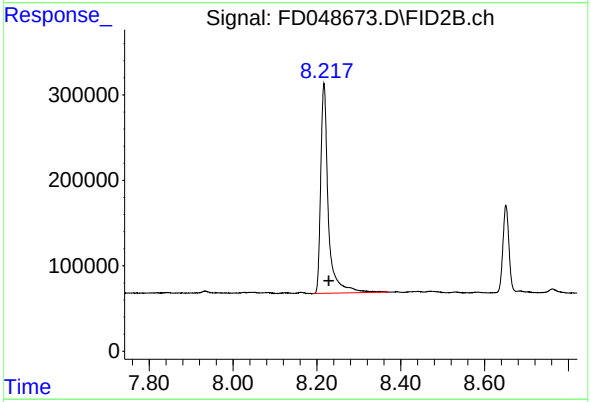




#4 2-Bromonaphthalene (SURR)

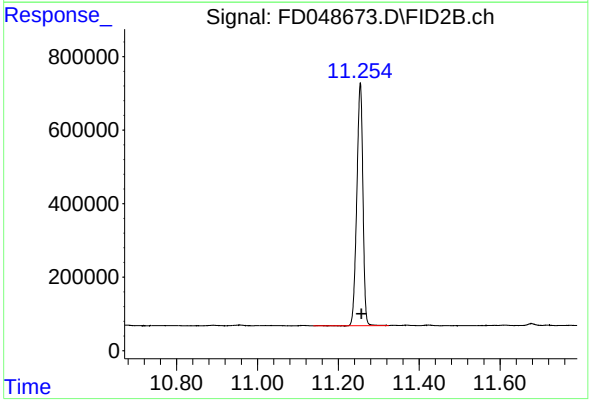
R.T.: 7.367 min
Delta R.T.: -0.008 min
Response: 7008484
Conc: 46.18 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164790BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.217 min
Delta R.T.: -0.011 min
Response: 3100787
Conc: 31.58 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.254 min
Delta R.T.: -0.003 min
Response: 6932733
Conc: 40.70 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048673.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 16:19
Sample : PB164790BL
Misc :
ALS Vial : 56 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	7.367	7.340	7.538	VV	688207	7008484	100.00%	41.125%
2	8.217	8.191	8.371	PV	245486	3100787	44.24%	18.195%
3	11.254	11.138	11.324	PV	662656	6932733	98.92%	40.680%

Sum of corrected areas: 17042004

Aromatic EPH 102324.M Sat Nov 09 03:24:37 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:	PB164790BS		SDG No.:	P4721	
Lab Sample ID:	PB164790BS		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
FD048674.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.28		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.04		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	12.7		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.3		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.8		40 - 140	90%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.5		40 - 140	75%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164790BS	Acq On:	08 Nov 2024 16:55
Client Sample ID:	PB164790BS	Operator:	YP/AJ
Data file:	FD048674.D	Misc:	
Instrument:	FID_D	ALS Vial:	57
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	8675577	49.236	200	ug/ml
Aromatic C12-C16	5.811	8.415	16061219	90.601	300	ug/ml
Aromatic C16-C21	8.416	12.678	31299494	191.046	500	ug/ml
Aromatic C21-C36	12.679	18.083	46599184	305.142	800	ug/ml
Aromatic EPH	4.092	18.083	102635474	636.025		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	6379432	37.45		ug/ml
2-Bromonaphthalene (SURR)	7.369	7.369	6793337	44.76		ug/ml
2-Flurobiphenyl (SURR)	8.219	8.219	3413584	34.76		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048674.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 16:55
Operator : YP/AJ
Sample : PB164790BS
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164790BS

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:07:22 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...	7.369	6793337	44.758 ug/ml
Spiked Amount	50.000		Recovery =	89.52%
6) S	2-Flurobiphenyl (SURR)	8.219	3413584	34.764 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	69.53%
11) S	ortho-Terphenyl (SURR)	11.255	6379432	37.451 ug/ml
Spiked Amount	50.000		Recovery =	74.90%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.191	3958170	22.752 ug/mlm
2) T	Naphthalene (C11.7)	5.708	4709623	26.394 ug/ml
3) T	2-Methylnaphthalene (...	6.755	4709799	26.332 ug/ml
5) T	Acenaphthylene (C15.06)	8.021	5586729	31.817 ug/ml
7) T	Acenaphthene (C15.5)	8.316	5764691	32.502 ug/ml
8) T	Flouorene (C16.55)	9.094	5897494	34.889 ug/ml
9) T	Phenanthrene (C19.36)	10.482	6029876	36.477 ug/ml
10) T	Anthracene (C19.43)	10.558	6099948	38.146 ug/ml
12) T	Fluoranthene (C21.85)	12.287	6307650	38.326 ug/mlm
13) T	Pyrene (C20.8)	12.580	6214680	38.582 ug/ml
14) T	Benzo[a]anthracene (C...	14.450	5847438	39.992 ug/ml
15) T	Chrysene (C27.41)	14.492	5925473	36.023 ug/ml
16) T	benzo[b]fluoranthene ...	15.998	5976532	39.312 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.031	5956234	39.628 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.373	5746993	38.187 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.739	5620185	43.074 ug/ml
20) T	Dibenz[a,h]anthracene...	17.777	5776617	35.497 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.991	5749712	37.557 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048674.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 16:55
Operator : YP/AJ
Sample : PB164790BS
Misc :
ALS Vial : 57 Sample Multiplier: 1

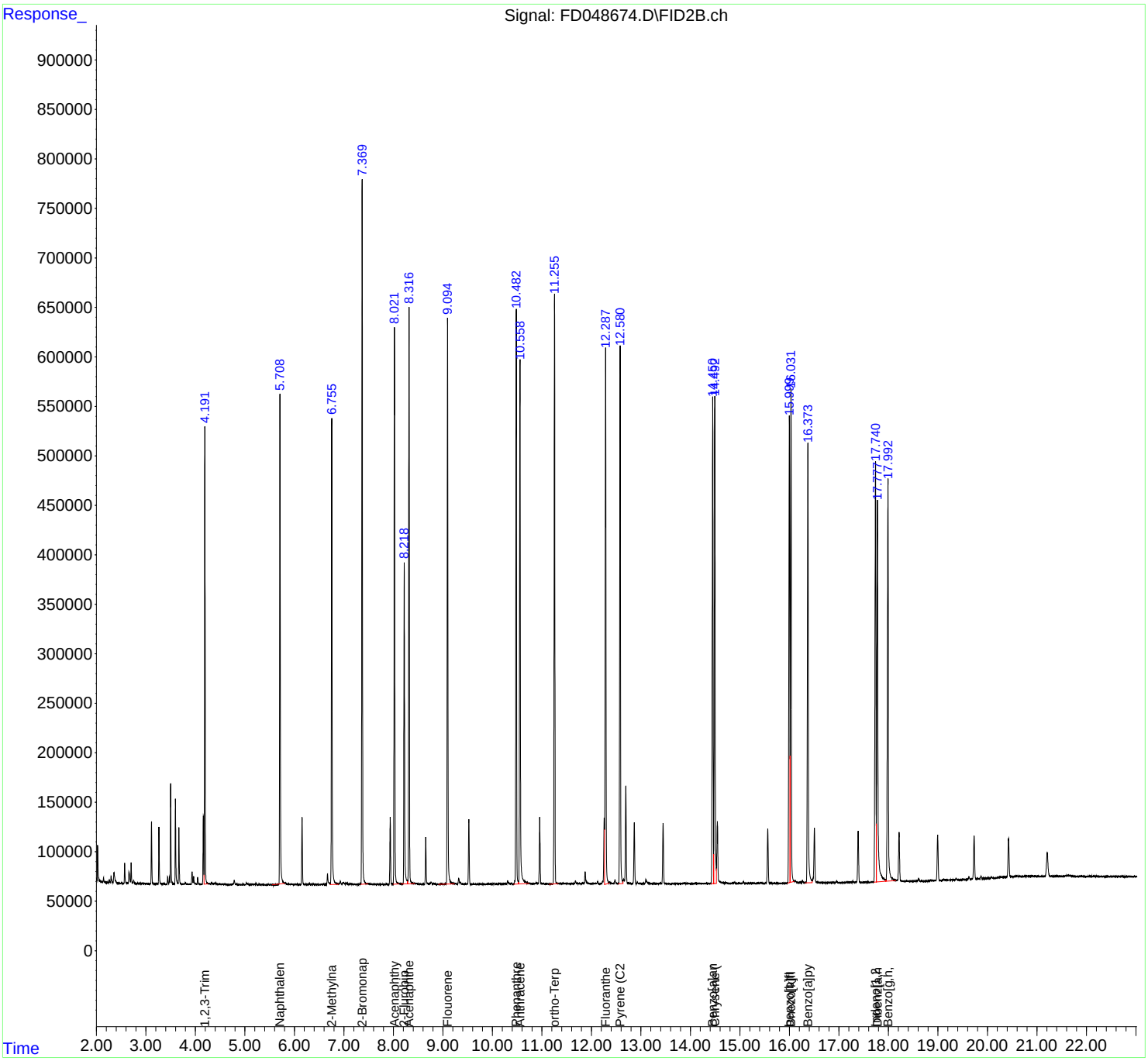
Instrument :
FID_D
ClientSampleId :
PB164790BS

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:07:22 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



Instrument :
FID_D
ClientSampleId :
PB164790BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048674.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 16:55
Sample : PB164790BS
Misc :
ALS Vial : 57 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	4.191	4.176	4.255	M	462654	3965954	56.19%	3.327%
2	5.708	5.548	5.808	BV	494260	4709623	66.73%	3.950%
3	6.755	6.725	6.891	VV	469869	4709799	66.73%	3.950%
4	7.369	7.341	7.491	VB	702851	6793337	96.26%	5.698%
5	8.021	7.991	8.115	PV	561488	5586729	79.16%	4.686%
6	8.219	8.155	8.287	BV	324622	3413584	48.37%	2.863%
7	8.316	8.287	8.431	VB	576891	5764691	81.68%	4.835%
8	9.094	8.911	9.238	BV	572611	5897494	83.56%	4.947%
9	10.482	10.431	10.527	BV	575665	6029876	85.44%	5.058%
10	10.558	10.527	10.741	VV	529773	6099948	86.43%	5.116%
11	11.255	11.141	11.331	PV	593295	6379432	90.39%	5.351%
12	12.287	12.171	12.455	PV	545977	7057496	100.00%	5.920%
13	12.580	12.544	12.638	VV	548038	6214680	88.06%	5.213%
14	14.450	14.408	14.469	BV	497145	5847438	82.85%	4.905%
15	14.492	14.469	14.524	VV	489981	5925473	83.96%	4.970%
16	15.998	15.961	16.013	BV	467041	5976532	84.68%	5.013%
17	16.031	16.013	16.101	VV	500329	5956234	84.40%	4.996%
18	16.373	16.311	16.458	BV	447919	5746993	81.43%	4.820%
19	17.739	17.701	17.756	BV	420689	5620185	79.63%	4.714%
20	17.777	17.756	17.950	VV	386245	5776617	81.85%	4.845%
21	17.991	17.950	18.155	VV	405110	5749712	81.47%	4.823%
			Sum of corrected areas:			119221826		

Aromatic EPH 102324.M Sat Nov 09 03:25:28 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:	PB164790BS			SDG No.:	P4721
Lab Sample ID:	PB164790BS			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
11/08/24 08:47	11/08/24 16:55	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.28		1	0.38	1.00	mg/kg	FC067671.D
Aliphatic C12-C16	Aliphatic C12-C16	4.52		1	0.24	0.67	mg/kg	FC067671.D
Aliphatic C16-C21	Aliphatic C16-C21	8.05		1	0.30	1.00	mg/kg	FC067671.D
Aliphatic C21-C28	Aliphatic C21-C28	11.0		1	0.80	1.33	mg/kg	FC067671.D
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.80	2.00	mg/kg	FC067671.D
Aromatic C10-C12	Aromatic C10-C12	3.28		1	0.30	0.67	mg/kg	FD048674.D
Aromatic C12-C16	Aromatic C12-C16	6.04		1	0.34	1.00	mg/kg	FD048674.D
Aromatic C16-C21	Aromatic C16-C21	12.7		1	0.96	1.67	mg/kg	FD048674.D
Aromatic C21-C36	Aromatic C21-C36	20.3		1	2.00	2.67	mg/kg	FD048674.D
Total AliphaticEPH	Total AliphaticEPH	47.8			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	42.3			3.60	6.01	mg/kg	
Total EPH	Total EPH	90.1			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:	PB164790BS		SDG No.:	P4721	
Lab Sample ID:	PB164790BS		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
FC067671.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.28		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.52		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.05		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.0		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)	38.1		40 - 140	76%	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:	PB164790BS	Acq On:	08 Nov 2024 16:55
Client Sample ID:	PB164790BS	Operator:	YP/AJ
Data file:	FC067671.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	10737228	79.259	300	ug/ml
Aliphatic C12-C16	6.451	9.841	8940399	67.894	200	ug/ml
Aliphatic C16-C21	9.842	13.199	15360217	120.723	300	ug/ml
Aliphatic C21-C28	13.200	16.853	19908909	165.783	400	ug/ml
Aliphatic C28-C40	16.854	21.698	28687316	283.771	600	ug/ml
Aliphatic EPH	3.171	21.698	83634069	717.43		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4113852	38.1		ug/ml
Aliphatic C9-C28	3.171	16.853	54946753	433.659	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067671.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:55
Operator : YP/AJ
Sample : PB164790BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164790BS

Integration File: autoint1.e
Quant Time: Nov 09 01:37:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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	4113852	38.095 ug/ml
Spiked Amount	50.000		Recovery =	76.19%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	3001231	22.277 ug/ml
2) T	n-Decane (C10)	4.335	3653417	26.815 ug/ml
4) T	n-Dodecane (C12)	6.350	4082580	30.143 ug/ml
6) T	n-Tetradecane (C14)	8.143	4286216	32.654 ug/ml
7) T	n-Hexadecane (C16)	9.742	4654183	35.231 ug/ml
8) T	n-Octadecane (C18)	11.182	5038676	38.139 ug/ml
10) T	n-Eicosane (C20)	12.490	5243551	41.557 ug/ml
11) T	n-Heneicosane (C21)	13.101	5077990	41.146 ug/ml
13) T	n-Docosane (C22)	13.687	5072036	41.422 ug/ml
14) T	n-Tetracosane (C24)	14.787	5008883	41.324 ug/ml
15) T	n-Hexacosane (C26)	15.807	4932683	41.432 ug/ml
16) T	n-Octacosane (C28)	16.756	4895307	41.610 ug/ml
17) T	n-Tricontane (C30)	17.642	4925116	40.747 ug/ml
18) T	n-Dotriacontane (C32)	18.472	4883145	41.271 ug/ml
19) T	n-Tetratriacontane (C34)	19.255	4849736	46.308 ug/ml
20) T	n-Hexatriacontane (C36)	19.993	4702349	51.659 ug/ml
21) T	n-Octatriacontane (C38)	20.716	4684008	54.086 ug/ml
22) T	n-Tetracontane (C40)	21.602	4642962	54.616 ug/ml

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

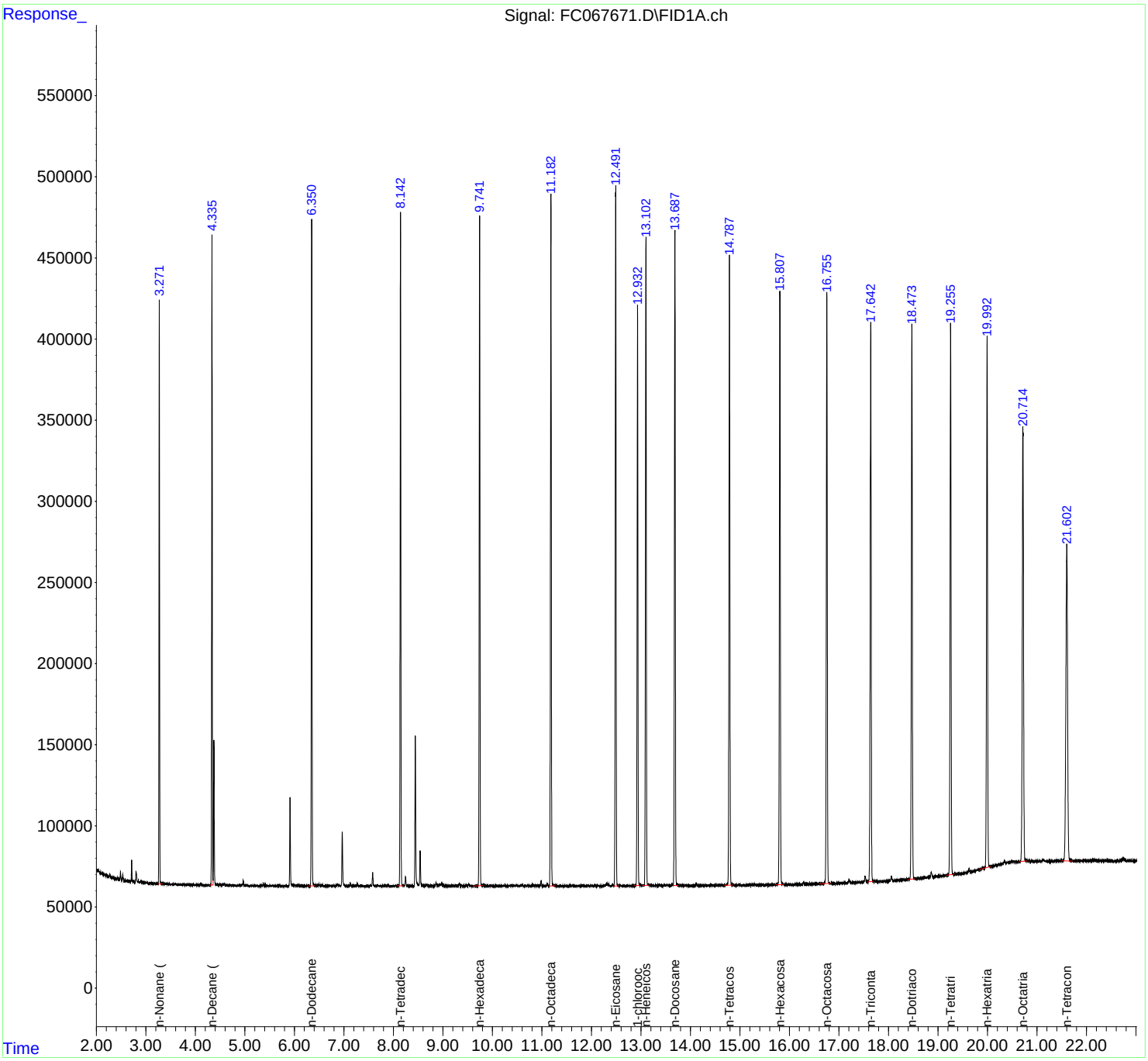
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067671.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:55
Operator : YP/AJ
Sample : PB164790BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164790BS

Integration File: autoint1.e
Quant Time: Nov 09 01:37:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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\FC110824AL\
Data File : FC067671.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 16:55
Sample : PB164790BS
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	3.272	3.245	3.339	BB	358929	3001231	57.24%	3.420%
2	4.335	4.280	4.357	BV	400358	3653417	69.67%	4.164%
3	6.350	6.287	6.417	BV	411135	4082580	77.86%	4.653%
4	8.143	8.082	8.204	BB	414217	4286216	81.74%	4.885%
5	9.742	9.614	9.797	BB	413914	4654183	88.76%	5.304%
6	11.182	11.145	11.265	BB	425707	5038676	96.09%	5.742%
7	12.490	12.450	12.557	PB	427224	5243551	100.00%	5.976%
8	12.932	12.864	12.974	BB	357351	4113852	78.46%	4.688%
9	13.101	13.034	13.167	BB	397094	5077990	96.84%	5.787%
10	13.687	13.648	13.752	VB	404313	5072036	96.73%	5.780%
11	14.787	14.682	14.857	BB	385208	5008883	95.52%	5.708%
12	15.807	15.719	15.887	BB	365887	4932683	94.07%	5.621%
13	16.756	16.600	16.827	BB	364601	4895307	93.36%	5.579%
14	17.642	17.575	17.695	BB	344692	4925116	93.93%	5.613%
15	18.472	18.397	18.535	BB	341392	4883145	93.13%	5.565%
16	19.255	19.175	19.324	BV	338177	4849736	92.49%	5.527%
17	19.993	19.845	20.055	BB	326184	4702349	89.68%	5.359%
18	20.716	20.642	20.802	BB	266641	4684008	89.33%	5.338%
19	21.602	21.499	21.714	BB	195029	4642962	88.55%	5.291%
			Sum of corrected areas:			87747922		

Aliphatic EPH 102324.M Sat Nov 09 02:12:17 2024

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Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	PB164790BSD			SDG No.:	P4721
Lab Sample ID:	PB164790BSD			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
11/08/24 08:47	11/08/24 17:32	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.31		1	0.38	1.00	mg/kg	FC067672.D
Aliphatic C12-C16	Aliphatic C12-C16	4.55		1	0.24	0.67	mg/kg	FC067672.D
Aliphatic C16-C21	Aliphatic C16-C21	8.11		1	0.30	1.00	mg/kg	FC067672.D
Aliphatic C21-C28	Aliphatic C21-C28	11.1		1	0.80	1.33	mg/kg	FC067672.D
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.80	2.00	mg/kg	FC067672.D
Aromatic C10-C12	Aromatic C10-C12	3.32		1	0.30	0.67	mg/kg	FD048675.D
Aromatic C12-C16	Aromatic C12-C16	6.08		1	0.34	1.00	mg/kg	FD048675.D
Aromatic C16-C21	Aromatic C16-C21	12.8		1	0.96	1.67	mg/kg	FD048675.D
Aromatic C21-C36	Aromatic C21-C36	20.5		1	2.00	2.66	mg/kg	FD048675.D
Total AliphaticEPH	Total AliphaticEPH	48.0			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	42.7			3.60	6.00	mg/kg	
Total EPH	Total EPH	90.7			7.12	12.0	mg/kg	

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

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

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:	PB164790BSD		SDG No.:	P4721	
Lab Sample ID:	PB164790BSD		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
FC067672.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.31		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.55		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.11		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.1		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)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164790BSD	Acq On:	08 Nov 2024 17:32
Client Sample ID:	PB164790BSD	Operator:	YP/AJ
Data file:	FC067672.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	10804603	79.757	300	ug/ml
Aliphatic C12-C16	6.451	9.841	8996124	68.317	200	ug/ml
Aliphatic C16-C21	9.842	13.199	15492501	121.763	300	ug/ml
Aliphatic C21-C28	13.200	16.853	20066511	167.095	400	ug/ml
Aliphatic C28-C40	16.854	21.698	28748582	284.377	600	ug/ml
Aliphatic EPH	3.171	21.698	84108321	721.309		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4324971	40.05		ug/ml
Aliphatic C9-C28	3.171	16.853	55359739	436.932	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067672.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:32
Operator : YP/AJ
Sample : PB164790BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164790BSD

Integration File: autoint1.e
Quant Time: Nov 09 01:37:24 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	4324971	40.050 ug/ml
Spiked Amount	50.000		Recovery =	80.10%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	3018558	22.406 ug/ml
2) T	n-Decane (C10)	4.336	3676514	26.984 ug/ml
4) T	n-Dodecane (C12)	6.351	4109531	30.342 ug/ml
6) T	n-Tetradecane (C14)	8.144	4310746	32.841 ug/ml
7) T	n-Hexadecane (C16)	9.742	4685378	35.468 ug/ml
8) T	n-Octadecane (C18)	11.182	5078899	38.444 ug/ml
10) T	n-Eicosane (C20)	12.489	5289322	41.920 ug/ml
11) T	n-Heneicosane (C21)	13.101	5124280	41.521 ug/ml
13) T	n-Docosane (C22)	13.686	5116690	41.786 ug/ml
14) T	n-Tetracosane (C24)	14.787	5054933	41.704 ug/ml
15) T	n-Hexacosane (C26)	15.806	4971810	41.760 ug/ml
16) T	n-Octacosane (C28)	16.755	4923078	41.846 ug/ml
17) T	n-Tricontane (C30)	17.642	4936312	40.839 ug/ml
18) T	n-Dotriacontane (C32)	18.474	4880655	41.249 ug/ml
19) T	n-Tetratriacontane (C34)	19.254	4852955	46.339 ug/ml
20) T	n-Hexatriacontane (C36)	19.994	4714626	51.794 ug/ml
21) T	n-Octatriacontane (C38)	20.717	4712530	54.416 ug/ml
22) T	n-Tetracontane (C40)	21.601	4651504	54.717 ug/ml

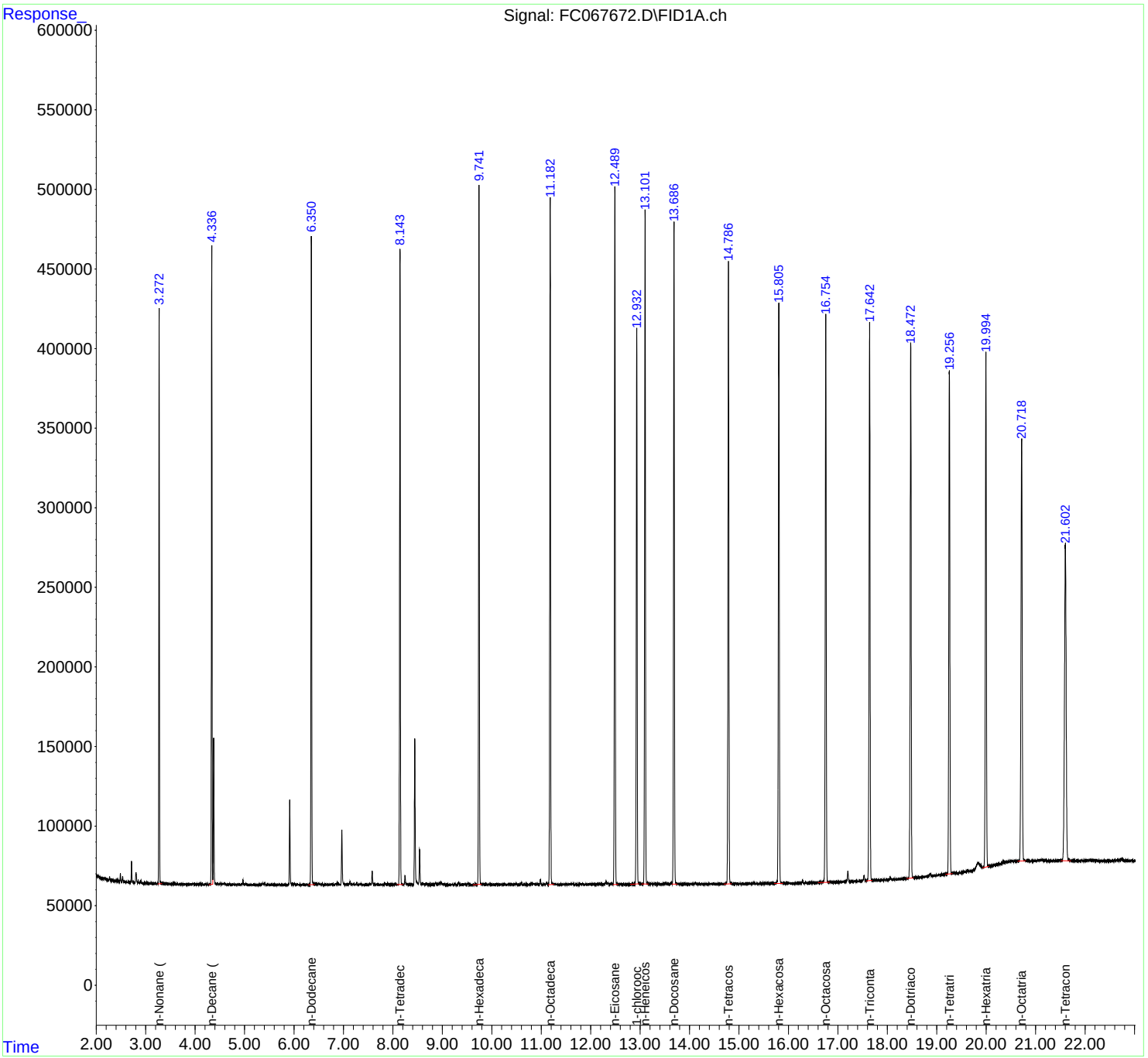
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067672.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:32
Operator : YP/AJ
Sample : PB164790BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164790BSD

Integration File: autoint1.e
Quant Time: Nov 09 01:37:24 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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067672.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 17:32
Sample : PB164790BSD
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	3.272	3.245	3.334	BB	360406	3018558	57.07%	3.413%
2	4.336	4.279	4.358	BV	402060	3676514	69.51%	4.157%
3	6.351	6.292	6.418	BV	407373	4109531	77.69%	4.647%
4	8.144	8.084	8.209	BB	399708	4310746	81.50%	4.875%
5	9.742	9.615	9.797	BB	438895	4685378	88.58%	5.298%
6	11.182	11.147	11.259	BB	431463	5078899	96.02%	5.743%
7	12.489	12.449	12.555	PB	436428	5289322	100.00%	5.981%
8	12.932	12.797	12.980	BB	346414	4324971	81.77%	4.891%
9	13.101	13.030	13.169	BB	424209	5124280	96.88%	5.795%
10	13.686	13.648	13.754	VB	413820	5116690	96.74%	5.786%
11	14.787	14.697	14.854	BB	389415	5054933	95.57%	5.716%
12	15.806	15.717	15.892	BB	365063	4971810	94.00%	5.622%
13	16.755	16.602	16.832	BB	357025	4923078	93.08%	5.567%
14	17.642	17.575	17.697	BB	350200	4936312	93.33%	5.582%
15	18.474	18.390	18.529	BB	335239	4880655	92.27%	5.519%
16	19.254	19.180	19.319	BB	315636	4852955	91.75%	5.488%
17	19.994	19.930	20.055	VB	323717	4714626	89.13%	5.331%
18	20.717	20.637	20.797	BB	265275	4712530	89.10%	5.329%
19	21.601	21.510	21.710	BB	198145	4651504	87.94%	5.260%
			Sum of corrected areas:			88433290		

Aliphatic EPH 102324.M Sat Nov 09 02:12:45 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:	PB164790BSD		SDG No.:	P4721	
Lab Sample ID:	PB164790BSD		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
FD048675.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.08		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	12.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	20.5		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.3		40 - 140	91%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.6		40 - 140	75%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164790BSD	Acq On:	08 Nov 2024 17:32
Client Sample ID:	PB164790BSD	Operator:	YP/AJ
Data file:	FD048675.D	Misc:	
Instrument:	FID_D	ALS Vial:	58
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.092	5.810	8774301	49.797	200	ug/ml
Aromatic C12-C16	5.811	8.415	16174778	91.242	300	ug/ml
Aromatic C16-C21	8.416	12.678	31495336	192.241	500	ug/ml
Aromatic C21-C36	12.679	18.083	47020005	307.898	800	ug/ml
Aromatic EPH	4.092	18.083	103464420	641.177		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	6405825	37.61		ug/ml
2-Bromonaphthalene (SURR)	7.369	7.369	6877746	45.31		ug/ml
2-Flurobiphenyl (SURR)	8.219	8.219	3464981	35.29		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048675.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 17:32
Operator : YP/AJ
Sample : PB164790BSD
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164790BSD

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:07:34 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...	7.369	6877746	45.314 ug/ml
Spiked Amount	50.000		Recovery =	90.63%
6) S	2-Flurobiphenyl (SURR)	8.219	3464981	35.288 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	70.58%
11) S	ortho-Terphenyl (SURR)	11.255	6405825	37.606 ug/ml
Spiked Amount	50.000		Recovery =	75.21%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.191	3959594	22.760 ug/mlm
2) T	Naphthalene (C11.7)	5.709	4792890	26.861 ug/ml
3) T	2-Methylnaphthalene (...	6.756	4740853	26.505 ug/ml
5) T	Acenaphthylene (C15.06)	8.021	5623965	32.029 ug/ml
7) T	Acenaphthene (C15.5)	8.316	5809960	32.757 ug/ml
8) T	Flouorene (C16.55)	9.094	5934035	35.105 ug/ml
9) T	Phenanthrene (C19.36)	10.482	6081312	36.788 ug/ml
10) T	Anthracene (C19.43)	10.558	6151321	38.467 ug/ml
12) T	Fluoranthene (C21.85)	12.287	6271492	38.107 ug/mlm
13) T	Pyrene (C20.8)	12.580	6238203	38.728 ug/ml
14) T	Benzo[a]anthracene (C...	14.450	5902174	40.366 ug/ml
15) T	Chrysene (C27.41)	14.491	5958969	36.226 ug/ml
16) T	benzo[b]fluoranthene ...	15.998	6007655	39.516 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.031	5996900	39.899 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.373	5791779	38.485 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.740	5692040	43.624 ug/ml
20) T	Dibenz[a,h]anthracene...	17.777	5872433	36.086 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.990	5798055	37.873 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048675.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 17:32
Operator : YP/AJ
Sample : PB164790BSD
Misc :
ALS Vial : 58 Sample Multiplier: 1

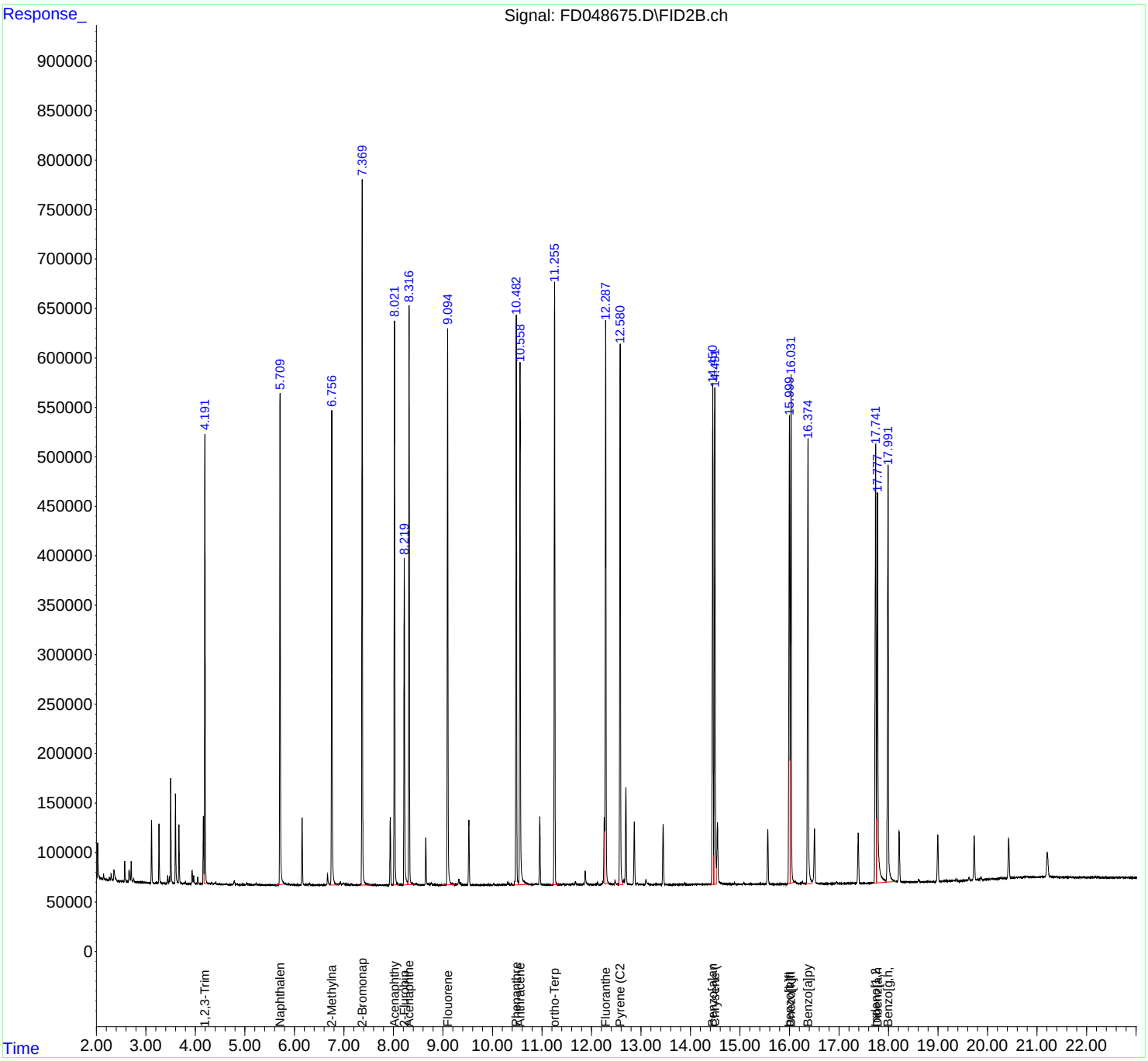
Instrument :
FID_D
ClientSampleId :
PB164790BSD

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:07:34 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 :
PB164790BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048675.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 17:32
Sample : PB164790BSD
Misc :
ALS Vial : 58 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	4.191	4.175	4.245	M	454791	3981411	56.15%	3.312%
2	5.709	5.618	5.808	BV	493060	4792890	67.60%	3.987%
3	6.756	6.724	6.888	VV	473124	4740853	66.86%	3.944%
4	7.369	7.341	7.548	VB	703893	6877746	97.00%	5.721%
5	8.021	7.979	8.111	PV	570400	5623965	79.32%	4.678%
6	8.219	8.188	8.291	PV	328569	3464981	48.87%	2.882%
7	8.316	8.291	8.434	VB	585800	5809960	81.94%	4.833%
8	9.094	8.974	9.237	BV	562469	5934035	83.69%	4.936%
9	10.482	10.415	10.527	PV	574168	6081312	85.77%	5.059%
10	10.558	10.527	10.738	VV	527023	6151321	86.75%	5.117%
11	11.255	11.181	11.327	BV	604759	6405825	90.34%	5.329%
12	12.287	12.174	12.454	BB	573659	7090465	100.00%	5.898%
13	12.580	12.527	12.634	PV	553354	6238203	87.98%	5.189%
14	14.450	14.411	14.469	BV	508199	5902174	83.24%	4.910%
15	14.491	14.469	14.524	VV	499582	5958969	84.04%	4.957%
16	15.998	15.961	16.013	BV	465683	6007655	84.73%	4.998%
17	16.031	16.013	16.098	VV	513275	5996900	84.58%	4.989%
18	16.373	16.314	16.457	BV	452492	5791779	81.68%	4.818%
19	17.740	17.701	17.756	BV	446785	5692040	80.28%	4.735%
20	17.777	17.756	17.950	VV	396284	5872433	82.82%	4.885%
21	17.990	17.950	18.154	VV	422361	5798055	81.77%	4.823%
			Sum of corrected areas:			120212971		

Aromatic EPH 102324.M Sat Nov 09 03:26:16 2024

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Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	WB-307-SB01MS			SDG No.:	P4721
Lab Sample ID:	P4718-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	78
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
11/08/24 08:47	11/08/24 19:21	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.4		1	0.49	1.28	mg/kg	FC067675.D
Aliphatic C12-C16	Aliphatic C12-C16	28.9	E	1	0.31	0.85	mg/kg	FC067675.D
Aliphatic C16-C21	Aliphatic C16-C21	14.3		1	0.38	1.28	mg/kg	FC067675.D
Aliphatic C21-C28	Aliphatic C21-C28	18.8		1	1.02	1.71	mg/kg	FC067675.D
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1	2.30	2.56	mg/kg	FC067675.D
Aromatic C10-C12	Aromatic C10-C12	7.34		1	0.38	0.85	mg/kg	FD048678.D
Aromatic C12-C16	Aromatic C12-C16	21.2		1	0.44	1.28	mg/kg	FD048678.D
Aromatic C16-C21	Aromatic C16-C21	26.1		1	1.23	2.13	mg/kg	FD048678.D
Aromatic C21-C36	Aromatic C21-C36	41.2		1	2.56	3.41	mg/kg	FD048678.D
Total AliphaticEPH	Total AliphaticEPH	108			4.50	7.68	mg/kg	
Total AromaticEPH	Total AromaticEPH	95.8			4.61	7.67	mg/kg	
Total EPH	Total EPH	204			9.11	15.4	mg/kg	

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	WB-307-SB01MS			SDG No.:	P4721
Lab Sample ID:	P4718-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	78
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
FC067675.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.4		0.49	1.28	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	28.9	E	0.31	0.85	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.3		0.38	1.28	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	18.8		1.02	1.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.3		2.30	2.56	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		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:	P4718-01MS	Acq On:	08 Nov 2024 19:21
Client Sample ID:	WB-307-SB01MS	Operator:	YP/AJ
Data file:	FC067675.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	3.171	6.450	16449699	121.427	300	ug/ml
Aliphatic C12-C16	6.451	9.841	44529266	338.158	200	ug/ml
Aliphatic C16-C21	9.842	13.199	21266139	167.141	300	ug/ml
Aliphatic C21-C28	13.200	16.853	26477947	220.483	400	ug/ml
Aliphatic C28-C40	16.854	21.698	41766596	413.149	600	ug/ml
Aliphatic EPH	3.171	21.698	150489647	1260		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	3816372	35.34		ug/ml
Aliphatic C9-C28	3.171	16.853	108723051	847.209	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067675.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:21
Operator : YP/AJ
Sample : P4718-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-307-SB01MS

Integration File: autoint1.e
Quant Time: Nov 09 01:37:56 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...	12.931	3816372	35.341 ug/ml
Spiked Amount	50.000		Recovery =	70.68%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	4028331	29.901 ug/ml
2) T	n-Decane (C10)	4.337	4920925	36.118 ug/ml
4) T	n-Dodecane (C12)	6.351	5720765	42.238 ug/ml
6) T	n-Tetradecane (C14)	8.146	9189897	70.013 ug/ml
7) T	n-Hexadecane (C16)	9.742	6678611	50.556 ug/ml
8) T	n-Octadecane (C18)	11.182	6814199	51.578 ug/ml
10) T	n-Eicosane (C20)	12.490	6888680	54.595 ug/ml
11) T	n-Heneicosane (C21)	13.101	6614678	53.597 ug/ml
13) T	n-Docosane (C22)	13.686	6592767	53.841 ug/ml
14) T	n-Tetracosane (C24)	14.787	6512227	53.727 ug/ml
15) T	n-Hexacosane (C26)	15.807	6412721	53.863 ug/ml
16) T	n-Octacosane (C28)	16.756	6354156	54.010 ug/ml
17) T	n-Tricontane (C30)	17.641	6391706	52.880 ug/ml
18) T	n-Dotriacontane (C32)	18.473	6329061	53.491 ug/ml
19) T	n-Tetratriacontane (C34)	19.255	6311830	60.269 ug/ml
20) T	n-Hexatriacontane (C36)	19.993	6147932	67.540 ug/ml
21) T	n-Octatriacontane (C38)	20.717	6182958	71.395 ug/ml
22) T	n-Tetracontane (C40)	21.602	6117535	71.962 ug/ml

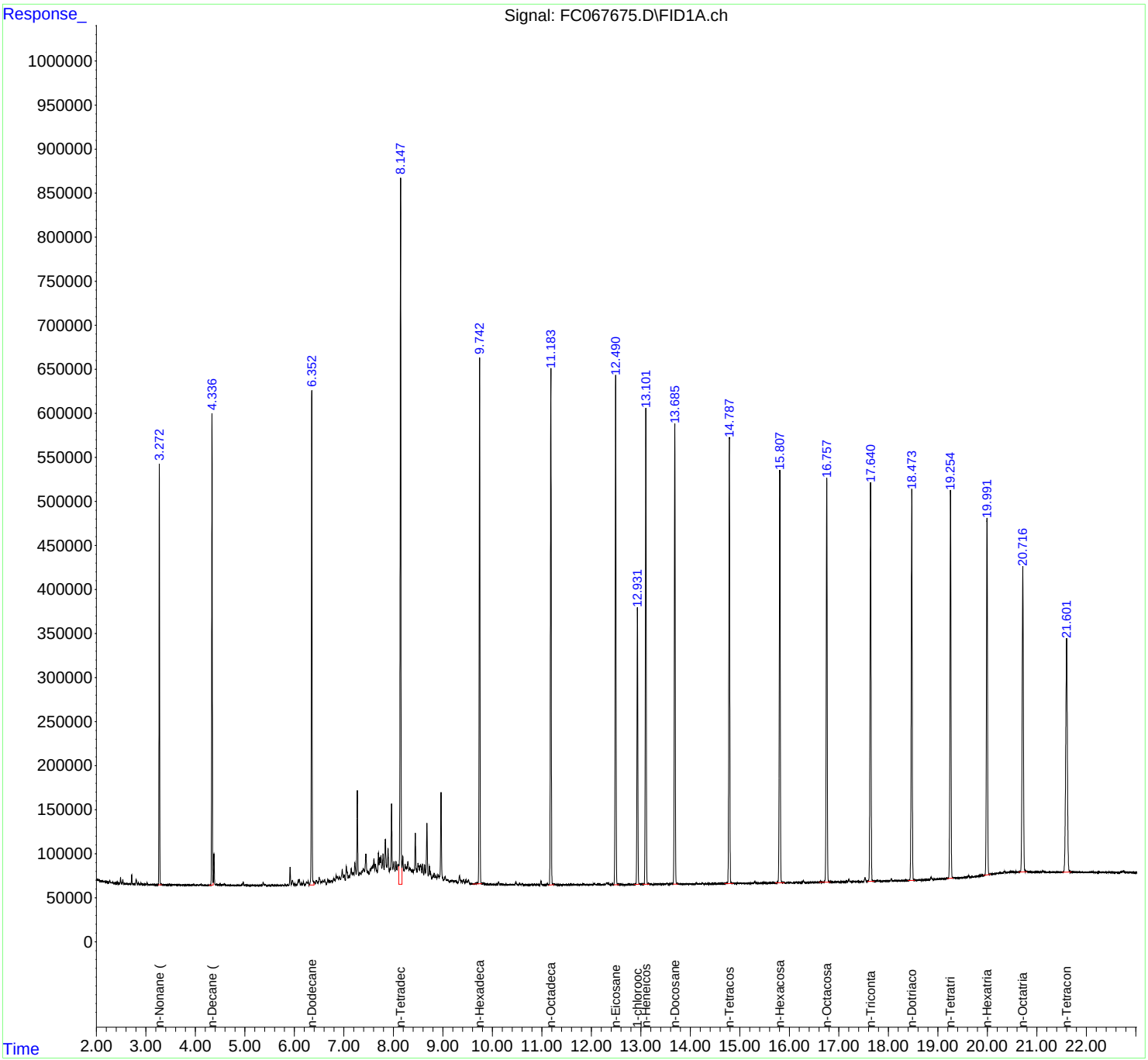
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067675.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:21
Operator : YP/AJ
Sample : P4718-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-307-SB01MS

Integration File: autoint1.e
Quant Time: Nov 09 01:37:56 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



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067675.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:21
Sample : P4718-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.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	3.272	3.204	3.357	BV	474677	4042307	43.75%	2.619%
2	3.368	3.357	3.378	VV	225	2151	0.02%	0.001%
3	3.395	3.378	3.438	VV	305	6701	0.07%	0.004%
4	3.471	3.438	3.501	VV	308	5846	0.06%	0.004%
5	3.510	3.501	3.521	PV	130	1265	0.01%	0.001%
6	3.548	3.521	3.565	VV	495	7847	0.08%	0.005%
7	3.590	3.565	3.631	VV	473	8410	0.09%	0.005%
8	3.642	3.631	3.688	VV	435	5804	0.06%	0.004%
9	3.699	3.688	3.745	VV	198	4179	0.05%	0.003%
10	3.763	3.745	3.797	PV	377	4486	0.05%	0.003%
11	3.809	3.797	3.819	VV	156	1124	0.01%	0.001%
12	3.851	3.819	3.904	VV	272	6785	0.07%	0.004%
13	3.938	3.904	3.950	PV	793	9124	0.10%	0.006%
14	3.965	3.950	3.987	VV	1272	12195	0.13%	0.008%
15	3.998	3.987	4.013	VV	154	1656	0.02%	0.001%
16	4.032	4.013	4.058	VV	526	5651	0.06%	0.004%
17	4.112	4.058	4.129	VV	995	16302	0.18%	0.011%
18	4.140	4.129	4.167	VV	285	4851	0.05%	0.003%
19	4.181	4.167	4.215	VV	222	3811	0.04%	0.002%
20	4.249	4.215	4.268	VV	323	4477	0.05%	0.003%
21	4.337	4.268	4.360	VV	535777	4933894	53.40%	3.197%
22	4.376	4.360	4.421	VV	35597	343549	3.72%	0.223%
23	4.435	4.421	4.467	VV	1314	20321	0.22%	0.013%
24	4.503	4.467	4.521	VV	1454	21703	0.23%	0.014%
25	4.533	4.521	4.543	VV	539	6055	0.07%	0.004%

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26	4.558	4.543	4.572	VV	1140	12660	0.14%	0.008%
27	4.588	4.572	4.606	VV	2196	21318	0.23%	0.014%
28	4.618	4.606	4.632	VV	534	5414	0.06%	0.004%
29	4.645	4.632	4.655	VV	256	3044	0.03%	0.002%
30	4.662	4.655	4.691	VV	266	3941	0.04%	0.003%
31	4.707	4.691	4.732	VV	438	7143	0.08%	0.005%
32	4.744	4.732	4.763	VV	270	3547	0.04%	0.002%
33	4.774	4.763	4.783	VV	186	1711	0.02%	0.001%
34	4.804	4.783	4.843	VV	321	4858	0.05%	0.003%
35	4.854	4.843	4.878	PV	108	1288	0.01%	0.001%
36	4.888	4.878	4.906	VV	253	3288	0.04%	0.002%
37	4.967	4.906	4.997	VV	4208	58475	0.63%	0.038%
38	5.021	4.997	5.061	VV	1027	16515	0.18%	0.011%
39	5.074	5.061	5.113	VV	449	5852	0.06%	0.004%
40	5.168	5.113	5.216	PV	325	10960	0.12%	0.007%
41	5.230	5.216	5.248	VV	264	3294	0.04%	0.002%
42	5.257	5.248	5.270	VV	217	2252	0.02%	0.001%
43	5.280	5.270	5.308	VV	161	2754	0.03%	0.002%
44	5.333	5.308	5.346	VV	203	3443	0.04%	0.002%
45	5.369	5.346	5.399	VV	4086	50314	0.54%	0.033%
46	5.410	5.399	5.451	VV	1413	16662	0.18%	0.011%
47	5.466	5.451	5.501	VV	441	4987	0.05%	0.003%
48	5.519	5.501	5.527	VV	247	2006	0.02%	0.001%
49	5.549	5.527	5.590	VV	1590	17927	0.19%	0.012%
50	5.625	5.590	5.638	PV	339	4884	0.05%	0.003%
51	5.663	5.638	5.698	VV	473	9669	0.10%	0.006%
52	5.716	5.698	5.728	VV	298	3367	0.04%	0.002%
53	5.759	5.728	5.790	VV	930	13641	0.15%	0.009%
54	5.810	5.790	5.841	VV	872	12181	0.13%	0.008%
55	5.858	5.841	5.883	VV	874	11107	0.12%	0.007%
56	5.914	5.883	5.938	VV	20965	216282	2.34%	0.140%
57	5.961	5.938	5.992	VV	5875	103685	1.12%	0.067%
58	6.009	5.992	6.050	VV	1952	33419	0.36%	0.022%
59	6.099	6.050	6.123	VV	6934	159475	1.73%	0.103%
60	6.141	6.123	6.164	VV	2648	37245	0.40%	0.024%
61	6.183	6.164	6.210	VV	4751	58434	0.63%	0.038%
62	6.246	6.210	6.262	VV	3582	65876	0.71%	0.043%
63	6.278	6.262	6.300	VV	4691	63133	0.68%	0.041%
64	6.351	6.300	6.396	VV	561082	5749930	62.24%	3.725%
65	6.406	6.396	6.422	VV	4525	50831	0.55%	0.033%
66	6.445	6.422	6.466	VV	5816	112393	1.22%	0.073%
67	6.501	6.466	6.534	VV	9353	225373	2.44%	0.146%
68	6.549	6.534	6.556	VV	4049	50884	0.55%	0.033%
69	6.574	6.556	6.594	VV	5305	101006	1.09%	0.065%

rteres

70	6.611	6.594	6.644	VV	6721	130130	1.41%	0.084%
71	6.679	6.644	6.696	VV	6116	128803	1.39%	0.083%
72	6.708	6.696	6.721	VV	4930	68387	0.74%	0.044%
73	6.747	6.721	6.770	VV	5126	137359	1.49%	0.089%
74	6.792	6.770	6.826	VV	7742	199949	2.16%	0.130%
75	6.844	6.826	6.859	VV	11525	174180	1.89%	0.113%
76	6.871	6.859	6.889	VV	10115	159981	1.73%	0.104%
77	6.908	6.889	6.934	VV	9776	219017	2.37%	0.142%
78	6.968	6.934	6.988	VV	18002	373825	4.05%	0.242%
79	7.006	6.988	7.027	VV	11937	220576	2.39%	0.143%
80	7.051	7.027	7.088	VV	21494	501424	5.43%	0.325%
81	7.101	7.088	7.114	VV	10460	151525	1.64%	0.098%
82	7.149	7.114	7.168	VV	19258	443967	4.81%	0.288%
83	7.184	7.168	7.203	VV	14124	285794	3.09%	0.185%
84	7.223	7.203	7.248	VV	25588	504653	5.46%	0.327%
85	7.272	7.248	7.302	VV	106623	1365398	14.78%	0.885%
86	7.323	7.302	7.347	VV	14160	357252	3.87%	0.231%
87	7.393	7.347	7.417	VV	18859	681196	7.37%	0.441%
88	7.445	7.417	7.475	VV	35706	799750	8.66%	0.518%
89	7.488	7.475	7.510	VV	15835	310627	3.36%	0.201%
90	7.532	7.510	7.544	VV	18978	329119	3.56%	0.213%
91	7.582	7.544	7.592	VV	22184	577753	6.25%	0.374%
92	7.608	7.592	7.624	VV	30480	462419	5.01%	0.300%
93	7.639	7.624	7.677	VV	24267	612097	6.63%	0.397%
94	7.699	7.677	7.713	VV	36815	566126	6.13%	0.367%
95	7.726	7.713	7.738	VV	31496	413633	4.48%	0.268%
96	7.750	7.738	7.767	VV	33596	474911	5.14%	0.308%
97	7.792	7.767	7.812	VV	35658	705270	7.63%	0.457%
98	7.838	7.812	7.866	VV	52343	1025819	11.10%	0.665%
99	7.893	7.866	7.918	VV	41320	824872	8.93%	0.534%
100	7.963	7.918	7.988	VV	92665	1521997	16.47%	0.986%
101	8.012	7.988	8.034	VV	26783	592296	6.41%	0.384%
102	8.052	8.034	8.071	VV	27082	484928	5.25%	0.314%
103	8.094	8.071	8.108	VV	23572	479857	5.19%	0.311%
104	8.146	8.108	8.173	VV	796582	9238962	100.00%	5.986%
105	8.191	8.173	8.216	VV	33023	600463	6.50%	0.389%
106	8.238	8.216	8.271	VV	23788	663702	7.18%	0.430%
107	8.294	8.271	8.314	VV	26853	571389	6.18%	0.370%
108	8.333	8.314	8.372	VV	19697	612109	6.63%	0.397%
109	8.386	8.372	8.401	VV	17129	280037	3.03%	0.181%
110	8.443	8.401	8.479	VV	59526	1216133	13.16%	0.788%
111	8.498	8.479	8.526	VV	25193	579540	6.27%	0.375%
112	8.545	8.526	8.574	VV	22737	574991	6.22%	0.373%

rteres

113	8.591	8.574	8.613	VV	23663	418198	4.53%	0.271%
114	8.631	8.613	8.648	VV	23016	369464	4.00%	0.239%
115	8.677	8.648	8.704	VV	70410	1099243	11.90%	0.712%
116	8.728	8.704	8.745	VV	21516	382894	4.14%	0.248%
117	8.753	8.745	8.776	VV	13727	201548	2.18%	0.131%
118	8.823	8.776	8.842	VV	13808	405602	4.39%	0.263%
119	8.859	8.842	8.878	VV	10772	199747	2.16%	0.129%
120	8.900	8.878	8.923	VV	12169	280283	3.03%	0.182%
121	8.963	8.923	9.022	VV	106081	1591885	17.23%	1.031%
122	9.045	9.022	9.070	VV	9759	213802	2.31%	0.139%
123	9.086	9.070	9.131	VV	6386	205012	2.22%	0.133%
124	9.165	9.131	9.174	VV	4933	117087	1.27%	0.076%
125	9.197	9.174	9.230	VV	5538	159571	1.73%	0.103%
126	9.261	9.230	9.308	VV	4806	187657	2.03%	0.122%
127	9.336	9.308	9.367	VV	10902	236377	2.56%	0.153%
128	9.380	9.367	9.395	VV	4956	71913	0.78%	0.047%
129	9.418	9.395	9.443	VV	6482	132608	1.44%	0.086%
130	9.467	9.443	9.485	VV	6281	108132	1.17%	0.070%
131	9.518	9.485	9.560	VV	6209	156312	1.69%	0.101%
132	9.572	9.560	9.631	VV	1985	64854	0.70%	0.042%
133	9.657	9.631	9.674	VV	2050	44452	0.48%	0.029%
134	9.695	9.674	9.707	VV	2713	44099	0.48%	0.029%
135	9.742	9.707	9.831	VV	590948	6787379	73.46%	4.397%
136	9.840	9.831	9.901	VV	1765	51668	0.56%	0.033%
137	9.907	9.901	9.937	VV	1085	19414	0.21%	0.013%
138	9.965	9.937	9.991	VV	1203	30017	0.32%	0.019%
139	10.014	9.991	10.036	VV	813	18267	0.20%	0.012%
140	10.059	10.036	10.070	VV	821	14213	0.15%	0.009%
141	10.085	10.070	10.098	VV	1174	15556	0.17%	0.010%
142	10.127	10.098	10.154	VV	3246	60730	0.66%	0.039%
143	10.174	10.154	10.195	VV	1086	21195	0.23%	0.014%
144	10.216	10.195	10.238	VV	1088	21121	0.23%	0.014%
145	10.271	10.238	10.307	VV	896	22653	0.25%	0.015%
146	10.339	10.307	10.351	VV	587	11053	0.12%	0.007%
147	10.373	10.351	10.390	VV	659	12090	0.13%	0.008%
148	10.411	10.390	10.441	VV	820	17515	0.19%	0.011%
149	10.477	10.441	10.518	VV	3734	59765	0.65%	0.039%
150	10.550	10.518	10.581	VV	1610	35680	0.39%	0.023%
151	10.604	10.581	10.626	VV	1364	23349	0.25%	0.015%
152	10.655	10.626	10.663	VV	325	6198	0.07%	0.004%
153	10.693	10.663	10.718	VV	419	9824	0.11%	0.006%
154	10.724	10.718	10.749	VV	247	4331	0.05%	0.003%
155	10.759	10.749	10.772	VV	226	2770	0.03%	0.002%

rteres

156	10.803	10.772	10.828	VV	719	13414	0.15%	0.009%
157	10.848	10.828	10.880	VV	980	16115	0.17%	0.010%
158	10.900	10.880	10.921	VV	705	10968	0.12%	0.007%
159	10.932	10.921	10.956	VV	360	5251	0.06%	0.003%
160	10.983	10.956	11.021	VV	4348	53222	0.58%	0.034%
161	11.042	11.021	11.079	PV	138	3305	0.04%	0.002%
162	11.109	11.079	11.138	VV	1684	22255	0.24%	0.014%
163	11.182	11.138	11.254	VV	571856	6833384	73.96%	4.427%
164	11.272	11.254	11.317	VV	969	18147	0.20%	0.012%
165	11.334	11.317	11.353	VV	314	3621	0.04%	0.002%
166	11.404	11.353	11.441	PV	168	5508	0.06%	0.004%
167	11.479	11.441	11.513	VV	382	11764	0.13%	0.008%
168	11.542	11.513	11.554	VV	359	7126	0.08%	0.005%
169	11.568	11.554	11.607	VV	624	10830	0.12%	0.007%
170	11.636	11.607	11.734	VV	547	18841	0.20%	0.012%
171	11.845	11.734	11.871	VV	1308	41169	0.45%	0.027%
172	11.895	11.871	11.915	VV	475	8377	0.09%	0.005%
173	11.936	11.915	11.959	VV	454	7784	0.08%	0.005%
174	11.981	11.959	11.994	VV	517	7330	0.08%	0.005%
175	12.003	11.994	12.028	VV	417	5554	0.06%	0.004%
176	12.064	12.028	12.101	VV	1071	26139	0.28%	0.017%
177	12.130	12.101	12.155	VV	633	15989	0.17%	0.010%
178	12.171	12.155	12.211	VV	545	12343	0.13%	0.008%
179	12.311	12.211	12.330	VV	2535	54965	0.59%	0.036%
180	12.348	12.330	12.388	VV	1827	28899	0.31%	0.019%
181	12.425	12.388	12.448	VV	1335	19797	0.21%	0.013%
182	12.490	12.448	12.568	VV	577030	6898194	74.66%	4.469%
183	12.588	12.568	12.624	VV	444	10961	0.12%	0.007%
184	12.629	12.624	12.718	VV	228	3963	0.04%	0.003%
185	12.742	12.718	12.768	VV	358	6680	0.07%	0.004%
186	12.773	12.768	12.794	VV	302	3268	0.04%	0.002%
187	12.808	12.794	12.823	VV	290	3025	0.03%	0.002%
188	12.847	12.823	12.864	PV	303	5010	0.05%	0.003%
189	12.931	12.864	13.020	VV	314732	3859358	41.77%	2.500%
190	13.035	13.020	13.058	VV	563	8941	0.10%	0.006%
191	13.101	13.058	13.241	VV	540983	6658259	72.07%	4.314%
192	13.259	13.241	13.281	VV	334	5640	0.06%	0.004%
193	13.302	13.281	13.338	VV	429	10718	0.12%	0.007%
194	13.376	13.338	13.424	VV	603	18801	0.20%	0.012%
195	13.475	13.424	13.493	VV	585	12192	0.13%	0.008%
196	13.526	13.493	13.574	VV	1501	27405	0.30%	0.018%
197	13.588	13.574	13.600	VV	341	3910	0.04%	0.003%
198	13.630	13.600	13.647	VV	1326	19157	0.21%	0.012%
199	13.686	13.647	13.761	VV	517790	6613346	71.58%	4.285%

rteres

200	13.770	13.761	13.794	VV	455	5453	0.06%	0.004%
201	13.802	13.794	13.849	VV	192	4587	0.05%	0.003%
202	13.907	13.849	13.960	VV	431	13951	0.15%	0.009%
203	13.994	13.960	14.044	VV	223	8500	0.09%	0.006%
204	14.064	14.044	14.078	PV	178	2361	0.03%	0.002%
205	14.118	14.078	14.154	VV	1271	22229	0.24%	0.014%
206	14.162	14.154	14.168	VV	257	1823	0.02%	0.001%
207	14.185	14.168	14.214	VV	270	5829	0.06%	0.004%
208	14.244	14.214	14.283	VV	1482	22687	0.25%	0.015%
209	14.301	14.283	14.316	VV	335	4501	0.05%	0.003%
210	14.325	14.316	14.349	VV	262	4617	0.05%	0.003%
211	14.361	14.349	14.370	VV	277	3036	0.03%	0.002%
212	14.386	14.370	14.416	VV	281	6401	0.07%	0.004%
213	14.443	14.416	14.474	VV	355	7411	0.08%	0.005%
214	14.489	14.474	14.513	VV	339	5771	0.06%	0.004%
215	14.564	14.513	14.576	VV	389	10516	0.11%	0.007%
216	14.594	14.576	14.610	VV	434	5866	0.06%	0.004%
217	14.639	14.610	14.674	VV	361	9775	0.11%	0.006%
218	14.702	14.674	14.711	VV	350	6620	0.07%	0.004%
219	14.787	14.711	14.902	VV	506535	6544255	70.83%	4.240%
220	14.907	14.902	14.925	VV	304	2910	0.03%	0.002%
221	14.958	14.925	14.971	VV	311	6917	0.07%	0.004%
222	14.977	14.971	14.998	VV	303	3922	0.04%	0.003%
223	15.029	14.998	15.070	VV	298	8757	0.09%	0.006%
224	15.084	15.070	15.094	VV	196	1903	0.02%	0.001%
225	15.101	15.094	15.109	VV	82	662	0.01%	0.000%
226	15.115	15.109	15.121	VV	103	546	0.01%	0.000%
227	15.203	15.121	15.241	VV	365	15380	0.17%	0.010%
228	15.267	15.241	15.277	VV	360	6199	0.07%	0.004%
229	15.303	15.277	15.333	VV	1830	28873	0.31%	0.019%
230	15.347	15.333	15.408	VV	460	10989	0.12%	0.007%
231	15.431	15.408	15.463	PV	251	4155	0.04%	0.003%
232	15.486	15.463	15.507	VV	539	7282	0.08%	0.005%
233	15.520	15.507	15.554	VV	389	7125	0.08%	0.005%
234	15.557	15.554	15.571	VV	181	1261	0.01%	0.001%
235	15.623	15.571	15.639	VV	485	11804	0.13%	0.008%
236	15.671	15.639	15.734	VV	585	19367	0.21%	0.013%
237	15.807	15.734	15.884	VV	469038	6429515	69.59%	4.166%
238	15.893	15.884	15.928	VV	258	5004	0.05%	0.003%
239	15.939	15.928	15.955	VV	170	2648	0.03%	0.002%
240	15.985	15.955	16.063	VV	460	14778	0.16%	0.010%
241	16.109	16.063	16.121	PV	293	6344	0.07%	0.004%
242	16.168	16.121	16.202	VV	383	11836	0.13%	0.008%

rteres

243	16.252	16.202	16.264	VV	310	7324	0.08%	0.005%
244	16.284	16.264	16.314	VV	2267	32337	0.35%	0.021%
245	16.331	16.314	16.390	VV	291	6733	0.07%	0.004%
246	16.402	16.390	16.410	VV	165	1134	0.01%	0.001%
247	16.420	16.410	16.431	VV	113	1218	0.01%	0.001%
248	16.457	16.431	16.481	VV	354	8643	0.09%	0.006%
249	16.492	16.481	16.499	VV	309	2653	0.03%	0.002%
250	16.504	16.499	16.541	VV	247	4010	0.04%	0.003%
251	16.635	16.541	16.684	VV	559	21335	0.23%	0.014%
252	16.756	16.684	16.824	VV	454481	6368919	68.94%	4.126%
253	16.832	16.824	16.881	VV	358	8106	0.09%	0.005%
254	16.938	16.881	16.961	VV	242	8575	0.09%	0.006%
255	16.979	16.961	17.021	VV	490	8961	0.10%	0.006%
256	17.068	17.021	17.102	PV	434	10367	0.11%	0.007%
257	17.158	17.102	17.173	VV	515	10555	0.11%	0.007%
258	17.202	17.173	17.258	VV	2758	41843	0.45%	0.027%
259	17.307	17.258	17.378	PV	436	14393	0.16%	0.009%
260	17.384	17.378	17.406	VV	201	2350	0.03%	0.002%
261	17.429	17.406	17.445	VV	167	2137	0.02%	0.001%
262	17.487	17.445	17.498	VV	302	5227	0.06%	0.003%
263	17.529	17.498	17.566	VV	4727	71348	0.77%	0.046%
264	17.641	17.566	17.725	VV	452520	6411409	69.40%	4.154%
265	17.772	17.725	17.846	VV	995	33373	0.36%	0.022%
266	17.879	17.846	17.891	VV	133	2635	0.03%	0.002%
267	17.966	17.891	17.989	PV	344	10912	0.12%	0.007%
268	18.060	17.989	18.094	VV	2473	41941	0.45%	0.027%
269	18.137	18.094	18.163	VV	876	15303	0.17%	0.010%
270	18.174	18.163	18.237	VV	185	4869	0.05%	0.003%
271	18.247	18.237	18.256	PV	155	949	0.01%	0.001%
272	18.321	18.256	18.338	PV	337	9733	0.11%	0.006%
273	18.354	18.338	18.396	VV	346	6370	0.07%	0.004%
274	18.473	18.396	18.538	PV	447500	6336289	68.58%	4.105%
275	18.559	18.538	18.590	VV	338	6883	0.07%	0.004%
276	18.612	18.590	18.624	VV	314	3927	0.04%	0.003%
277	18.636	18.624	18.678	VV	184	3333	0.04%	0.002%
278	18.771	18.678	18.781	PV	182	8036	0.09%	0.005%
279	18.789	18.781	18.814	VV	117	1904	0.02%	0.001%
280	18.865	18.814	18.905	PV	2855	51049	0.55%	0.033%
281	18.917	18.905	18.927	VV	384	4008	0.04%	0.003%
282	18.961	18.927	18.994	VV	440	13289	0.14%	0.009%
283	19.067	18.994	19.084	VV	505	20911	0.23%	0.014%
284	19.108	19.084	19.133	VV	517	11384	0.12%	0.007%
285	19.255	19.133	19.324	VV	439071	6372995	68.98%	4.129%

rteres

286	19.347	19.324	19.384	VV	1033	29080	0.31%	0.019%
287	19.407	19.384	19.435	VV	726	19158	0.21%	0.012%
288	19.541	19.435	19.561	VV	970	54991	0.60%	0.036%
289	19.624	19.561	19.664	VV	2277	71968	0.78%	0.047%
290	19.679	19.664	19.699	VV	1096	20789	0.23%	0.013%
291	19.812	19.699	19.824	VV	1613	96043	1.04%	0.062%
292	19.855	19.824	19.868	VV	1913	45926	0.50%	0.030%
293	19.893	19.868	19.922	VV	2700	74540	0.81%	0.048%
294	19.993	19.922	20.059	VV	405618	6356122	68.80%	4.118%
295	20.091	20.059	20.101	VV	3097	77069	0.83%	0.050%
296	20.276	20.101	20.310	VV	4075	455434	4.93%	0.295%
297	20.345	20.310	20.375	VV	5557	182257	1.97%	0.118%
298	20.516	20.375	20.560	VV	4663	496497	5.37%	0.322%
299	20.571	20.560	20.585	VV	4471	61973	0.67%	0.040%
300	20.591	20.585	20.606	VV	4213	52660	0.57%	0.034%
301	20.717	20.606	20.902	VV	346920	6882570	74.50%	4.459%
302	20.923	20.902	20.944	VV	3264	80647	0.87%	0.052%
303	20.953	20.944	20.974	VV	3266	57426	0.62%	0.037%
304	21.019	20.974	21.078	VV	3292	195017	2.11%	0.126%
305	21.124	21.078	21.229	VV	3832	261629	2.83%	0.170%
306	21.245	21.229	21.261	VV	2305	43633	0.47%	0.028%
307	21.299	21.261	21.311	VV	2245	66819	0.72%	0.043%
308	21.331	21.311	21.340	VV	2273	37759	0.41%	0.024%
309	21.352	21.340	21.381	VV	2145	49986	0.54%	0.032%
310	21.395	21.381	21.412	VV	2055	36933	0.40%	0.024%
311	21.421	21.412	21.443	VV	1932	34817	0.38%	0.023%
312	21.454	21.443	21.478	VV	1851	37337	0.40%	0.024%
313	21.502	21.478	21.529	VV	1676	49242	0.53%	0.032%
314	21.601	21.529	21.736	VV	264952	6291016	68.09%	4.076%

Sum of corrected areas: 154349005

Aliphatic EPH 102324.M Sat Nov 09 02:15:09 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-307-SB01MS		SDG No.:	P4721	
Lab Sample ID:	P4718-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78	
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
FD048678.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.34		0.38	0.85	mg/kg
Aromatic C12-C16	Aromatic C12-C16	21.2		0.44	1.28	mg/kg
Aromatic C16-C21	Aromatic C16-C21	26.1		1.23	2.13	mg/kg
Aromatic C21-C36	Aromatic C21-C36	41.2		2.56	3.41	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.5		40 - 140	119%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	53.8		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	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:	P4718-01MS	Acq On:	08 Nov 2024 19:21
Client Sample ID:	WB-307-SB01MS	Operator:	YP/AJ
Data file:	FD048678.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	4.092	5.810	15149183	85.976	200	ug/ml
Aromatic C12-C16	5.811	8.415	44049972	248.486	300	ug/ml
Aromatic C16-C21	8.416	12.678	50121550	305.932	500	ug/ml
Aromatic C21-C36	12.679	18.083	73741714	482.877	800	ug/ml
Aromatic EPH	4.092	18.083	183062419	1120		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	5816816	34.15		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	9027188	59.48		ug/ml
2-Flurobiphenyl (SURR)	8.220	8.220	5282948	53.8		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048678.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:21
Operator : YP/AJ
Sample : P4718-01MS
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MS

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:05 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...	7.370	9027188	59.476 ug/ml
Spiked Amount	50.000		Recovery =	118.95%
6) S	2-Flurobiphenyl (SURR)	8.220	5282948	53.802 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	107.60%
11) S	ortho-Terphenyl (SURR)	11.254	5816816	34.148 ug/mlm
Spiked Amount	50.000		Recovery =	68.30%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.192	6498263	37.352 ug/mlm
2) T	Naphthalene (C11.7)	5.710	7326787	41.062 ug/ml
3) T	2-Methylnaphthalene (...	6.757	7157942	40.019 ug/ml
5) T	Acenaphthylene (C15.06)	8.023	8244470	46.953 ug/ml
7) T	Acenaphthene (C15.5)	8.319	8808345	49.663 ug/ml
8) T	Flouorene (C16.55)	9.097	8677332	51.334 ug/ml
9) T	Phenanthrene (C19.36)	10.484	8717052	52.733 ug/ml
10) T	Anthracene (C19.43)	10.559	8688054	54.331 ug/ml
12) T	Fluoranthene (C21.85)	12.291	8702831	52.880 ug/mlm
13) T	Pyrene (C20.8)	12.582	8665077	53.794 ug/ml
14) T	Benzo[a]anthracene (C...	14.452	8120307	55.537 ug/mlm
15) T	Chrysene (C27.41)	14.495	8113083	49.322 ug/ml
16) T	benzo[b]fluoranthene ...	16.000	8271984	54.411 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.035	8054797	53.590 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.376	7909563	52.557 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.743	8260670	63.311 ug/ml
20) T	Dibenz[a,h]anthracene...	17.780	7803439	47.952 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.995	8015248	52.356 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048678.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:21
Operator : YP/AJ
Sample : P4718-01MS
Misc :
ALS Vial : 61 Sample Multiplier: 1

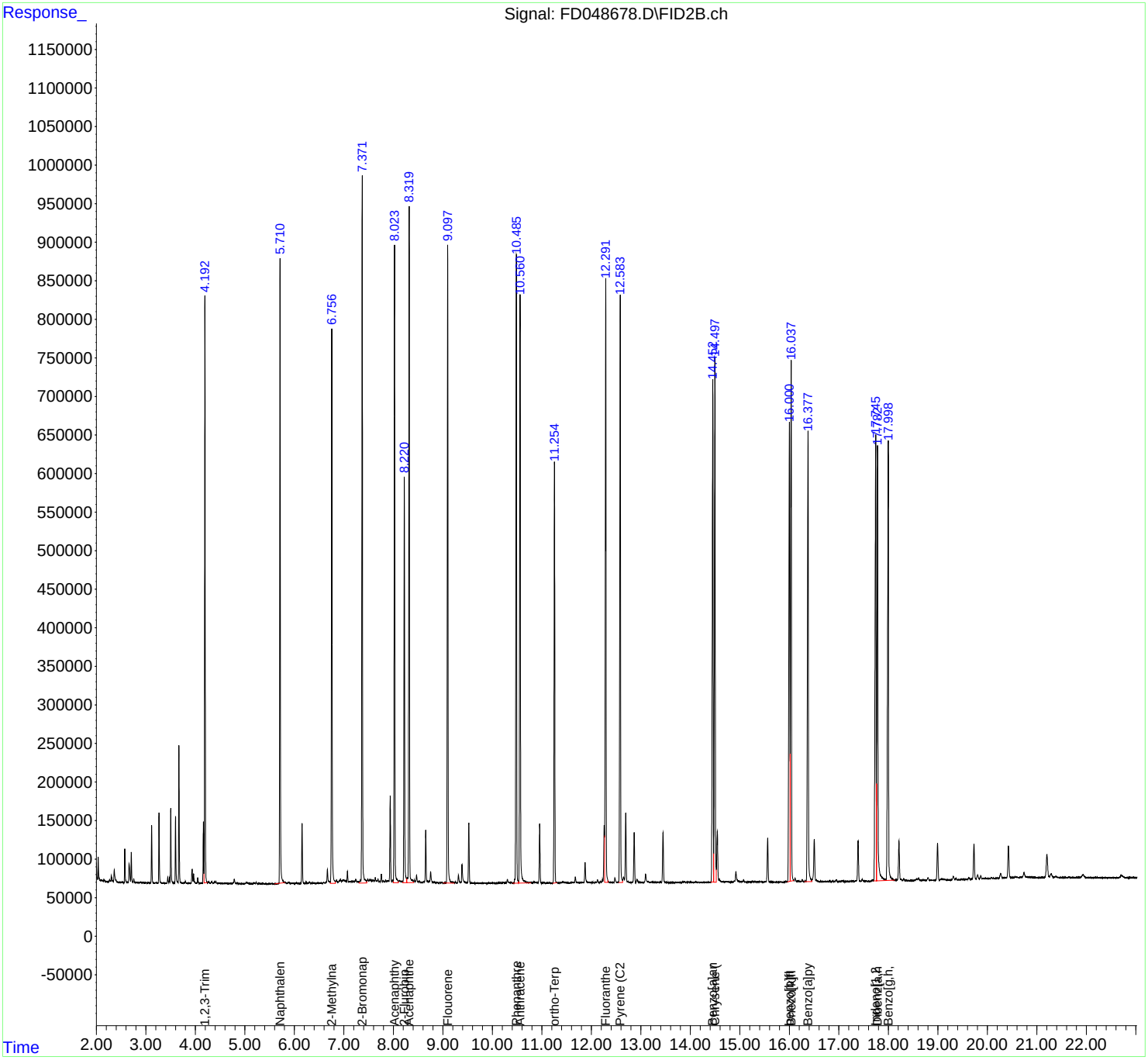
Instrument :
FID_D
ClientSampleId :
WB-307-SB01MS

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:05 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-307-SB01MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048678.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:21
Sample : P4718-01MS
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.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	4.121	4.105	4.135	PV	191	2794	0.03%	0.001%
2	4.163	4.135	4.176	VV	79761	696858	7.81%	0.369%
3	4.193	4.176	4.251	VV	761559	6537071	73.24%	3.460%
4	4.270	4.251	4.301	VV	1752	30115	0.34%	0.016%
5	4.330	4.301	4.370	VV	2854	46572	0.52%	0.025%
6	4.384	4.370	4.398	VV	2163	22183	0.25%	0.012%
7	4.414	4.398	4.459	VV	3311	40025	0.45%	0.021%
8	4.468	4.459	4.477	VV	299	2224	0.02%	0.001%
9	4.489	4.477	4.516	VV	987	13706	0.15%	0.007%
10	4.527	4.516	4.569	VV	833	9732	0.11%	0.005%
11	4.600	4.569	4.652	PV	707	16026	0.18%	0.008%
12	4.657	4.652	4.688	VV	335	2717	0.03%	0.001%
13	4.703	4.688	4.740	VV	566	8837	0.10%	0.005%
14	4.786	4.740	4.825	VV	6020	89621	1.00%	0.047%
15	4.842	4.825	4.862	VV	1442	16525	0.19%	0.009%
16	4.902	4.870	4.922	VV	406	7849	0.09%	0.004%
17	4.929	4.922	4.939	VV	217	1520	0.02%	0.001%
18	4.953	4.939	4.966	VV	335	3069	0.03%	0.002%
19	4.974	4.966	4.989	VV	402	3525	0.04%	0.002%
20	4.992	4.989	4.998	VV	270	1145	0.01%	0.001%
21	5.032	4.998	5.062	VV	2140	35406	0.40%	0.019%
22	5.066	5.062	5.070	VV	664	3289	0.04%	0.002%
23	5.074	5.070	5.089	VV	747	6427	0.07%	0.003%
24	5.097	5.089	5.115	VV	520	5591	0.06%	0.003%
25	5.117	5.115	5.128	VV	361	2446	0.03%	0.001%
26	5.130	5.128	5.137	VV	332	1349	0.02%	0.001%
27	5.146	5.137	5.152	VV	331	2790	0.03%	0.001%
28	5.157	5.152	5.169	VV	400	2919	0.03%	0.002%
29	5.189	5.169	5.210	VV	1521	19232	0.22%	0.010%
30	5.227	5.210	5.253	VV	2219	25995	0.29%	0.014%
31	5.282	5.253	5.325	VV	695	16557	0.19%	0.009%
32	5.360	5.325	5.412	VV	614	15404	0.17%	0.008%
33	5.428	5.412	5.432	PV	204	1524	0.02%	0.001%
34	5.438	5.432	5.455	VV	225	1528	0.02%	0.001%
35	5.472	5.455	5.497	VV	446	6700	0.08%	0.004%
36	5.520	5.497	5.534	VV	442	5513	0.06%	0.003%

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MS

Manual IntegrationsAPPROVED

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

rteres

37	5.537	5.534	5.546	VV	322	2098	0.02%	0.001%
38	5.562	5.546	5.578	VV	370	4538		
39	5.610	5.589	5.642	VV	195	3385		
40	5.656	5.642	5.665	VV	244	2168		
41	5.710	5.665	5.808	VV	810216	7432210	83	
42	5.822	5.808	5.854	VV	2149	39161		
43	5.889	5.854	5.917	VV	2006	47548	0.53%	0.025%
44	5.938	5.917	5.945	VV	996	12150	0.14%	0.006%
45	5.950	5.945	5.961	VV	910	7013	0.08%	0.004%
46	5.980	5.961	6.012	VV	857	17831	0.20%	0.009%
47	6.045	6.012	6.058	VV	1220	23165	0.26%	0.012%
48	6.073	6.058	6.095	VV	1012	15243	0.17%	0.008%
49	6.122	6.095	6.130	VV	1011	13179	0.15%	0.007%
50	6.156	6.130	6.190	VV	78439	793435	8.89%	0.420%
51	6.200	6.190	6.215	VV	1118	12591	0.14%	0.007%
52	6.239	6.215	6.259	VV	1954	31709	0.36%	0.017%
53	6.305	6.259	6.326	VV	2827	56508	0.63%	0.030%
54	6.336	6.326	6.358	VV	987	16146	0.18%	0.009%
55	6.376	6.358	6.390	VV	1582	22090	0.25%	0.012%
56	6.400	6.390	6.431	VV	1085	19058	0.21%	0.010%
57	6.472	6.431	6.507	VV	1283	34682	0.39%	0.018%
58	6.525	6.507	6.531	VV	1152	12318	0.14%	0.007%
59	6.543	6.531	6.570	VV	1112	20658	0.23%	0.011%
60	6.593	6.570	6.613	VV	2032	32905	0.37%	0.017%
61	6.668	6.613	6.701	VV	18753	278303	3.12%	0.147%
62	6.708	6.701	6.725	VV	2860	35326	0.40%	0.019%
63	6.757	6.725	6.827	VV	718863	7191555	80.57%	3.807%
64	6.852	6.827	6.889	VV	4657	116090	1.30%	0.061%
65	6.908	6.889	6.916	VV	3822	52099	0.58%	0.028%
66	6.931	6.916	6.955	VV	6156	101525	1.14%	0.054%
67	6.975	6.955	6.980	VV	4761	59668	0.67%	0.032%
68	7.005	6.980	7.023	VV	5193	113046	1.27%	0.060%
69	7.039	7.023	7.053	VV	3816	59753	0.67%	0.032%
70	7.073	7.053	7.095	VV	16287	190500	2.13%	0.101%
71	7.126	7.095	7.146	VV	3048	82426	0.92%	0.044%
72	7.160	7.146	7.175	VV	3406	54610	0.61%	0.029%
73	7.194	7.175	7.210	VV	3289	61240	0.69%	0.032%
74	7.242	7.210	7.268	VV	5758	130116	1.46%	0.069%
75	7.281	7.268	7.312	VV	2853	65441	0.73%	0.035%
76	7.332	7.312	7.344	VV	4623	67530	0.76%	0.036%
77	7.371	7.344	7.421	VV	917343	8925878	100.00%	4.725%
78	7.429	7.421	7.465	VV	5640	115545	1.29%	0.061%
79	7.482	7.465	7.509	VV	6111	120657	1.35%	0.064%
80	7.525	7.509	7.541	VV	5736	91300	1.02%	0.048%
81	7.550	7.541	7.567	VV	4775	62122	0.70%	0.033%
82	7.589	7.567	7.611	VV	5157	102666	1.15%	0.054%
83	7.635	7.611	7.654	VV	8170	132447	1.48%	0.070%
84	7.658	7.654	7.667	VV	3336	24879	0.28%	0.013%
85	7.669	7.667	7.672	VV	3391	10645	0.12%	0.006%
86	7.689	7.672	7.712	VV	5950	95881	1.07%	0.051%
87	7.722	7.712	7.736	VV	3077	42061	0.47%	0.022%
88	7.758	7.736	7.780	VV	12586	168129	1.88%	0.089%
89	7.795	7.780	7.823	VV	4188	80919	0.91%	0.043%

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MS

rteres

Manual IntegrationsAPPROVED

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

90	7.842	7.823	7.858	VV	4674	72905	0.82%	0.039%
91	7.902	7.858	7.911	VV	3588	103759		
92	7.937	7.911	7.967	VV	114137	1199599	13	
93	7.984	7.967	7.996	VV	4566	65580		
94	8.024	7.996	8.067	VV	828156	8225520	92	
95	8.073	8.067	8.104	VV	5999	101100		
96	8.109	8.104	8.116	VV	3311	24451	0.27%	0.013%
97	8.130	8.116	8.150	VV	4036	66670	0.75%	0.035%
98	8.166	8.150	8.192	VV	3140	69347	0.78%	0.037%
99	8.221	8.192	8.271	VV	526767	5344652	59.88%	2.829%
100	8.283	8.271	8.291	VV	7803	84437	0.95%	0.045%
101	8.319	8.291	8.374	VV	875803	8753867	98.07%	4.634%
102	8.380	8.374	8.407	VV	4688	78338	0.88%	0.041%
103	8.425	8.407	8.447	VV	4370	81866	0.92%	0.043%
104	8.468	8.447	8.504	VV	10719	171917	1.93%	0.091%
105	8.523	8.504	8.562	VV	3420	82491	0.92%	0.044%
106	8.583	8.562	8.598	VV	2082	38662	0.43%	0.020%
107	8.654	8.598	8.709	VV	69524	811839	9.10%	0.430%
108	8.726	8.709	8.733	VV	3435	42292	0.47%	0.022%
109	8.753	8.733	8.791	VV	15554	226299	2.54%	0.120%
110	8.804	8.791	8.819	VV	2232	30609	0.34%	0.016%
111	8.837	8.819	8.855	VV	1815	32383	0.36%	0.017%
112	8.890	8.855	8.921	VV	1536	41582	0.47%	0.022%
113	8.940	8.921	8.955	VV	1226	19974	0.22%	0.011%
114	8.971	8.955	9.001	VV	1238	28471	0.32%	0.015%
115	9.005	9.001	9.010	VV	783	4029	0.05%	0.002%
116	9.032	9.010	9.041	VV	1118	16810	0.19%	0.009%
117	9.053	9.041	9.067	VV	960	13482	0.15%	0.007%
118	9.097	9.067	9.179	VV	826364	8681396	97.26%	4.595%
119	9.184	9.179	9.232	VV	2014	48010	0.54%	0.025%
120	9.254	9.232	9.292	VV	1851	39640	0.44%	0.021%
121	9.315	9.292	9.345	VV	11137	153008	1.71%	0.081%
122	9.354	9.345	9.367	VV	2056	22232	0.25%	0.012%
123	9.386	9.367	9.462	VV	24762	378937	4.25%	0.201%
124	9.471	9.462	9.495	VV	1431	22230	0.25%	0.012%
125	9.524	9.495	9.585	VV	78611	860681	9.64%	0.456%
126	9.625	9.585	9.642	VV	815	22977	0.26%	0.012%
127	9.646	9.642	9.651	VV	579	2690	0.03%	0.001%
128	9.655	9.651	9.683	VV	650	7722	0.09%	0.004%
129	9.695	9.683	9.707	VV	620	5730	0.06%	0.003%
130	9.710	9.707	9.716	VV	457	2101	0.02%	0.001%
131	9.743	9.716	9.758	VV	723	8888	0.10%	0.005%
132	9.787	9.758	9.794	VV	476	7550	0.08%	0.004%
133	9.801	9.794	9.818	VV	600	6443	0.07%	0.003%
134	9.839	9.818	9.862	VV	748	13076	0.15%	0.007%
135	9.870	9.862	9.883	VV	566	5211	0.06%	0.003%
136	9.895	9.883	9.900	VV	549	4294	0.05%	0.002%
137	9.915	9.900	9.932	VV	797	9827	0.11%	0.005%
138	9.946	9.932	9.972	VV	728	12536	0.14%	0.007%
139	9.983	9.972	9.997	VV	566	7276	0.08%	0.004%
140	10.006	9.997	10.014	VV	620	5070	0.06%	0.003%
141	10.026	10.014	10.070	VV	1294	19058	0.21%	0.010%

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MS

Manual IntegrationsAPPROVED

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

rteres

142	10.113	10.088	10.118	PV	827	8576	0.10%	0.005%
143	10.139	10.118	10.173	VV	1006	23911		
144	10.196	10.173	10.218	VV	912	19817		
145	10.224	10.218	10.245	VV	1019	13502		
146	10.259	10.245	10.287	VV	1172	20348		
147	10.304	10.287	10.358	VV	5229	88040		
148	10.384	10.358	10.412	VV	1654	28207	0.32%	0.015%
149	10.452	10.412	10.456	VV	5713	47597	0.53%	0.025%
150	10.485	10.456	10.530	VV	816874	8683357	97.28%	4.596%
151	10.560	10.530	10.669	VV	762318	8676791	97.21%	4.593%
152	10.675	10.669	10.704	VV	2334	36780	0.41%	0.019%
153	10.710	10.704	10.734	VV	1400	21455	0.24%	0.011%
154	10.763	10.734	10.781	VV	1251	26847	0.30%	0.014%
155	10.785	10.781	10.819	VV	779	14999	0.17%	0.008%
156	10.836	10.819	10.871	VV	1604	36321	0.41%	0.019%
157	10.890	10.871	10.919	VV	1322	26830	0.30%	0.014%
158	10.956	10.919	10.991	VV	76897	851616	9.54%	0.451%
159	10.998	10.991	11.017	VV	587	7884	0.09%	0.004%
160	11.039	11.017	11.088	VV	1236	23750	0.27%	0.013%
161	11.111	11.088	11.130	VV	874	12468	0.14%	0.007%
162	11.149	11.130	11.174	VV	682	11749	0.13%	0.006%
163	11.180	11.174	11.218	VV	341	4091	0.05%	0.002%
164	11.254	11.218	11.333	PV	544276	5852749	65.57%	3.098%
165	11.345	11.333	11.362	VV	904	11844	0.13%	0.006%
166	11.383	11.362	11.389	VV	877	10625	0.12%	0.006%
167	11.425	11.389	11.446	VV	2073	41254	0.46%	0.022%
168	11.454	11.446	11.470	VV	972	11833	0.13%	0.006%
169	11.489	11.470	11.527	VV	889	22806	0.26%	0.012%
170	11.532	11.527	11.540	VV	345	2011	0.02%	0.001%
171	11.544	11.540	11.547	VV	301	1153	0.01%	0.001%
172	11.552	11.547	11.567	VV	364	2945	0.03%	0.002%
173	11.613	11.567	11.635	VV	1343	29095	0.33%	0.015%
174	11.644	11.635	11.648	VV	759	5416	0.06%	0.003%
175	11.676	11.648	11.700	VV	8149	102036	1.14%	0.054%
176	11.710	11.700	11.741	VV	1455	20306	0.23%	0.011%
177	11.758	11.741	11.765	VV	676	7701	0.09%	0.004%
178	11.773	11.765	11.789	VV	743	8749	0.10%	0.005%
179	11.837	11.789	11.850	VV	1298	30750	0.34%	0.016%
180	11.872	11.850	11.939	VV	26910	366876	4.11%	0.194%
181	11.947	11.939	11.983	VV	1064	22636	0.25%	0.012%
182	11.988	11.983	12.009	VV	844	10547	0.12%	0.006%
183	12.042	12.009	12.069	VV	818	22696	0.25%	0.012%
184	12.093	12.069	12.104	VV	1037	18637	0.21%	0.010%
185	12.124	12.104	12.152	VV	4380	59074	0.66%	0.031%
186	12.180	12.152	12.191	VV	1614	25304	0.28%	0.013%
187	12.197	12.191	12.209	VV	1455	14065	0.16%	0.007%
188	12.223	12.209	12.234	VV	4436	47501	0.53%	0.025%
189	12.258	12.234	12.265	VV	74662	725724	8.13%	0.384%
190	12.290	12.265	12.374	VV	780243	8845158	99.10%	4.682%
191	12.391	12.374	12.414	VV	1022	20656	0.23%	0.011%
192	12.423	12.414	12.429	VV	887	7186	0.08%	0.004%
193	12.435	12.429	12.454	VV	855	11168	0.13%	0.006%
194	12.475	12.454	12.547	VV	6639	116675	1.31%	0.062%

Instrument :
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WB-307-SB01MS

Manual IntegrationsAPPROVED

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					rteres			
195	12.583	12.547	12.631	VV	763654	8699647	97.47%	4.605%
196	12.650	12.631	12.669	VV	7781	125251		
197	12.695	12.669	12.728	VV	90889	1075310	12	
198	12.741	12.728	12.769	VV	1871	32463		
199	12.773	12.769	12.817	VV	905	22282		
200	12.865	12.817	12.895	VV	65456	819147		
201	12.922	12.895	12.974	VV	4833	97966	1.10%	0.052%
202	12.979	12.974	12.984	VV	857	4742	0.05%	0.003%
203	12.994	12.984	13.036	VV	1022	21236	0.24%	0.011%
204	13.059	13.036	13.066	VV	800	12537	0.14%	0.007%
205	13.096	13.066	13.171	VV	11505	208391	2.33%	0.110%
206	13.211	13.171	13.254	VV	1352	45999	0.52%	0.024%
207	13.273	13.254	13.289	VV	1010	17795	0.20%	0.009%
208	13.295	13.289	13.301	VV	891	5921	0.07%	0.003%
209	13.320	13.301	13.339	VV	1187	19425	0.22%	0.010%
210	13.351	13.339	13.371	VV	1026	16582	0.19%	0.009%
211	13.395	13.371	13.415	VV	1316	24548	0.28%	0.013%
212	13.448	13.415	13.500	VV	65174	817804	9.16%	0.433%
213	13.506	13.500	13.542	VV	709	13643	0.15%	0.007%
214	13.552	13.542	13.577	VV	384	6672	0.07%	0.004%
215	13.582	13.577	13.630	VV	354	7243	0.08%	0.004%
216	13.641	13.630	13.655	VV	292	3773	0.04%	0.002%
217	13.662	13.655	13.675	VV	420	3255	0.04%	0.002%
218	13.679	13.675	13.695	VV	373	3349	0.04%	0.002%
219	13.710	13.695	13.729	VV	500	6265	0.07%	0.003%
220	13.745	13.729	13.765	VV	411	7462	0.08%	0.004%
221	13.782	13.765	13.790	VV	539	5834	0.07%	0.003%
222	13.796	13.790	13.829	VV	470	6615	0.07%	0.004%
223	13.845	13.829	13.861	VV	909	13429	0.15%	0.007%
224	13.883	13.861	13.904	VV	1498	27232	0.31%	0.014%
225	13.924	13.904	13.950	VV	794	16402	0.18%	0.009%
226	13.973	13.950	13.989	VV	1434	18311	0.21%	0.010%
227	14.008	13.989	14.029	VV	818	14430	0.16%	0.008%
228	14.034	14.029	14.038	VV	582	2899	0.03%	0.002%
229	14.040	14.038	14.066	VV	590	6562	0.07%	0.003%
230	14.101	14.066	14.148	VV	954	29622	0.33%	0.016%
231	14.170	14.148	14.194	VV	978	18430	0.21%	0.010%
232	14.201	14.194	14.204	VV	537	2965	0.03%	0.002%
233	14.213	14.204	14.236	VV	598	7464	0.08%	0.004%
234	14.251	14.236	14.266	VV	359	4715	0.05%	0.002%
235	14.285	14.266	14.289	VV	483	4984	0.06%	0.003%
236	14.324	14.289	14.338	VV	756	16392	0.18%	0.009%
237	14.355	14.338	14.373	VV	835	12204	0.14%	0.006%
238	14.392	14.373	14.407	VV	674	10014	0.11%	0.005%
239	14.453	14.407	14.471	VV	651187	8155391	91.37%	4.317%
240	14.497	14.471	14.524	VV	680980	8131782	91.10%	4.304%
241	14.545	14.524	14.575	VV	66491	913549	10.23%	0.484%
242	14.587	14.575	14.630	VV	4036	81887	0.92%	0.043%
243	14.638	14.630	14.695	VV	1440	41691	0.47%	0.022%
244	14.702	14.695	14.707	VV	972	6376	0.07%	0.003%
245	14.719	14.707	14.737	VV	1024	16944	0.19%	0.009%
246	14.741	14.737	14.754	VV	935	8245	0.09%	0.004%

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rteres

247	14.757	14.754	14.766	VV	825	5584	0.06%	0.003%
248	14.778	14.766	14.809	VV	855	16669		
249	14.816	14.809	14.822	VV	567	3970		
250	14.842	14.822	14.862	VV	751	14770		
251	14.885	14.862	14.899	VV	2265	32198		
252	14.920	14.899	15.008	VV	13992	274957		
253	15.015	15.008	15.040	VV	1143	16474	0.18%	0.009%
254	15.074	15.040	15.100	VV	3507	58288	0.65%	0.031%
255	15.118	15.100	15.147	VV	899	15673	0.18%	0.008%
256	15.166	15.147	15.179	VV	947	13765	0.15%	0.007%
257	15.202	15.179	15.221	VV	869	18297	0.20%	0.010%
258	15.225	15.221	15.229	VV	621	2715	0.03%	0.001%
259	15.259	15.229	15.285	VV	1182	27341	0.31%	0.014%
260	15.289	15.285	15.305	VV	831	9216	0.10%	0.005%
261	15.310	15.305	15.314	VV	819	4297	0.05%	0.002%
262	15.321	15.314	15.337	VV	867	9800	0.11%	0.005%
263	15.352	15.337	15.363	VV	824	10083	0.11%	0.005%
264	15.373	15.363	15.380	VV	769	7048	0.08%	0.004%
265	15.383	15.380	15.389	VV	755	3315	0.04%	0.002%
266	15.404	15.389	15.423	VV	883	14910	0.17%	0.008%
267	15.441	15.423	15.474	VV	796	18582	0.21%	0.010%
268	15.519	15.474	15.530	VV	956	21490	0.24%	0.011%
269	15.562	15.530	15.592	VV	57683	735834	8.24%	0.390%
270	15.600	15.592	15.662	VV	616	20463	0.23%	0.011%
271	15.709	15.662	15.717	VV	510	9802	0.11%	0.005%
272	15.723	15.717	15.737	VV	495	4696	0.05%	0.002%
273	15.747	15.737	15.759	VV	499	5685	0.06%	0.003%
274	15.782	15.759	15.795	VV	506	7885	0.09%	0.004%
275	15.799	15.795	15.803	VV	385	1508	0.02%	0.001%
276	15.810	15.803	15.830	VV	529	7359	0.08%	0.004%
277	15.834	15.830	15.853	VV	534	4505	0.05%	0.002%
278	15.872	15.865	15.882	VV	326	2155	0.02%	0.001%
279	15.905	15.882	15.910	VV	403	5020	0.06%	0.003%
280	15.932	15.910	15.962	VV	1159	25243	0.28%	0.013%
281	16.001	15.962	16.015	VV	595338	8196439	91.83%	4.339%
282	16.037	16.015	16.097	VV	676742	8251609	92.45%	4.368%
283	16.115	16.097	16.149	VV	4984	92090	1.03%	0.049%
284	16.153	16.149	16.160	VV	1451	8759	0.10%	0.005%
285	16.181	16.160	16.211	VV	1528	36687	0.41%	0.019%
286	16.216	16.211	16.223	VV	983	6956	0.08%	0.004%
287	16.260	16.223	16.305	VV	3106	73188	0.82%	0.039%
288	16.320	16.305	16.339	VV	1851	26738	0.30%	0.014%
289	16.378	16.339	16.450	VV	584743	7949382	89.06%	4.208%
290	16.503	16.450	16.533	VV	55517	870035	9.75%	0.461%
291	16.545	16.533	16.577	VV	3334	55878	0.63%	0.030%
292	16.583	16.577	16.598	VV	1223	13617	0.15%	0.007%
293	16.604	16.598	16.625	VV	969	12710	0.14%	0.007%
294	16.628	16.625	16.643	VV	801	7200	0.08%	0.004%
295	16.656	16.643	16.675	VV	882	14283	0.16%	0.008%
296	16.710	16.675	16.741	VV	1004	27339	0.31%	0.014%
297	16.754	16.741	16.758	VV	633	5662	0.06%	0.003%
298	16.767	16.758	16.774	VV	770	6490	0.07%	0.003%
299	16.810	16.774	16.840	VV	1344	38226	0.43%	0.020%

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rteres

300	16.877	16.840	16.905	VV	1132	32373	0.36%	0.017%
301	16.912	16.905	16.923	VV	927	8655		
302	16.950	16.923	16.989	VV	2777	57538		
303	16.997	16.989	17.002	VV	594	3916		
304	17.032	17.002	17.044	VV	932	17823		
305	17.071	17.044	17.116	VV	1521	40449		
306	17.123	17.116	17.134	VV	725	6465	0.07%	0.003%
307	17.136	17.134	17.146	VV	645	4386	0.05%	0.002%
308	17.160	17.146	17.167	VV	832	8348	0.09%	0.004%
309	17.192	17.167	17.198	VV	1034	15205	0.17%	0.008%
310	17.203	17.198	17.212	VV	883	6950	0.08%	0.004%
311	17.232	17.212	17.242	VV	1037	15662	0.18%	0.008%
312	17.244	17.242	17.252	VV	1103	6304	0.07%	0.003%
313	17.282	17.252	17.320	VV	1504	42538	0.48%	0.023%
314	17.389	17.320	17.441	VV	53316	783510	8.78%	0.415%
315	17.475	17.441	17.514	VV	3687	74537	0.84%	0.039%
316	17.534	17.514	17.571	VV	1165	34084	0.38%	0.018%
317	17.581	17.571	17.594	VV	919	11442	0.13%	0.006%
318	17.605	17.594	17.618	VV	919	11108	0.12%	0.006%
319	17.628	17.618	17.636	VV	816	7933	0.09%	0.004%
320	17.682	17.636	17.700	VV	2631	60069	0.67%	0.032%
321	17.745	17.700	17.758	VV	579612	8131468	91.10%	4.304%
322	17.782	17.758	17.954	VV	566005	8157183	91.39%	4.318%
323	17.998	17.954	18.130	VV	573336	8212704	92.01%	4.347%

Sum of corrected areas: 188915173

Aromatic EPH 102324.M Sat Nov 09 03:29:03 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-307-SB01MSD	SDG No.:	P4721
Lab Sample ID:	P4718-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78
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
11/08/24 08:47	11/08/24 19:57	PB164790

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.3		1	0.49	1.28	mg/kg	FC067676.D
Aliphatic C12-C16	Aliphatic C12-C16	28.7	E	1	0.31	0.85	mg/kg	FC067676.D
Aliphatic C16-C21	Aliphatic C16-C21	14.2		1	0.38	1.28	mg/kg	FC067676.D
Aliphatic C21-C28	Aliphatic C21-C28	18.8		1	1.02	1.71	mg/kg	FC067676.D
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1	2.31	2.56	mg/kg	FC067676.D
Aromatic C10-C12	Aromatic C10-C12	7.47		1	0.38	0.85	mg/kg	FD048679.D
Aromatic C12-C16	Aromatic C12-C16	17.1		1	0.44	1.28	mg/kg	FD048679.D
Aromatic C16-C21	Aromatic C16-C21	26.6		1	1.23	2.13	mg/kg	FD048679.D
Aromatic C21-C36	Aromatic C21-C36	43.0		1	2.56	3.42	mg/kg	FD048679.D
Total AliphaticEPH	Total AliphaticEPH	107			4.51	7.68	mg/kg	
Total AromaticEPH	Total AromaticEPH	94.2			4.61	7.68	mg/kg	
Total EPH	Total EPH	201			9.12	15.4	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	WB-307-SB01MSD		SDG No.:	P4721	
Lab Sample ID:	P4718-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78	
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
FC067676.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.3		0.49	1.28	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	28.7	E	0.31	0.85	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.2		0.38	1.28	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	18.8		1.02	1.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.3		2.31	2.56	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.2		40 - 140	72%	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:	P4718-01MSD	Acq On:	08 Nov 2024 19:57
Client Sample ID:	WB-307-SB01MSD	Operator:	YP/AJ
Data file:	FC067676.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	16310574	120.4	300	ug/ml
Aliphatic C12-C16	6.451	9.841	44318307	336.556	200	ug/ml
Aliphatic C16-C21	9.842	13.199	21203932	166.652	300	ug/ml
Aliphatic C21-C28	13.200	16.853	26474392	220.454	400	ug/ml
Aliphatic C28-C40	16.854	21.698	41781599	413.298	600	ug/ml
Aliphatic EPH	3.171	21.698	150088804	1260		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	3908382	36.19		ug/ml
Aliphatic C9-C28	3.171	16.853	108307205	844.062	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067676.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:57
Operator : YP/AJ
Sample : P4718-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-307-SB01MSD

Integration File: autoint1.e
Quant Time: Nov 09 01:38:09 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...	12.931	3908382	36.193 ug/ml
Spiked Amount	50.000		Recovery =	72.39%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	3996483	29.665 ug/ml
2) T	n-Decane (C10)	4.337	4877556	35.800 ug/ml
4) T	n-Dodecane (C12)	6.351	5684946	41.973 ug/ml
6) T	n-Tetradecane (C14)	8.146	9131061	69.564 ug/ml
7) T	n-Hexadecane (C16)	9.742	6630551	50.192 ug/ml
8) T	n-Octadecane (C18)	11.183	6786546	51.369 ug/ml
10) T	n-Eicosane (C20)	12.490	6862062	54.384 ug/ml
11) T	n-Heneicosane (C21)	13.101	6590913	53.405 ug/ml
13) T	n-Docosane (C22)	13.686	6576404	53.707 ug/ml
14) T	n-Tetracosane (C24)	14.787	6502715	53.648 ug/ml
15) T	n-Hexacosane (C26)	15.807	6405483	53.802 ug/ml
16) T	n-Octacosane (C28)	16.756	6351508	53.988 ug/ml
17) T	n-Tricontane (C30)	17.642	6378368	52.770 ug/ml
18) T	n-Dotriacontane (C32)	18.472	6316593	53.385 ug/ml
19) T	n-Tetratriacontane (C34)	19.255	6303514	60.190 ug/ml
20) T	n-Hexatriacontane (C36)	19.994	6151233	67.576 ug/ml
21) T	n-Octatriacontane (C38)	20.716	6171465	71.262 ug/ml
22) T	n-Tetracontane (C40)	21.601	6124568	72.045 ug/ml

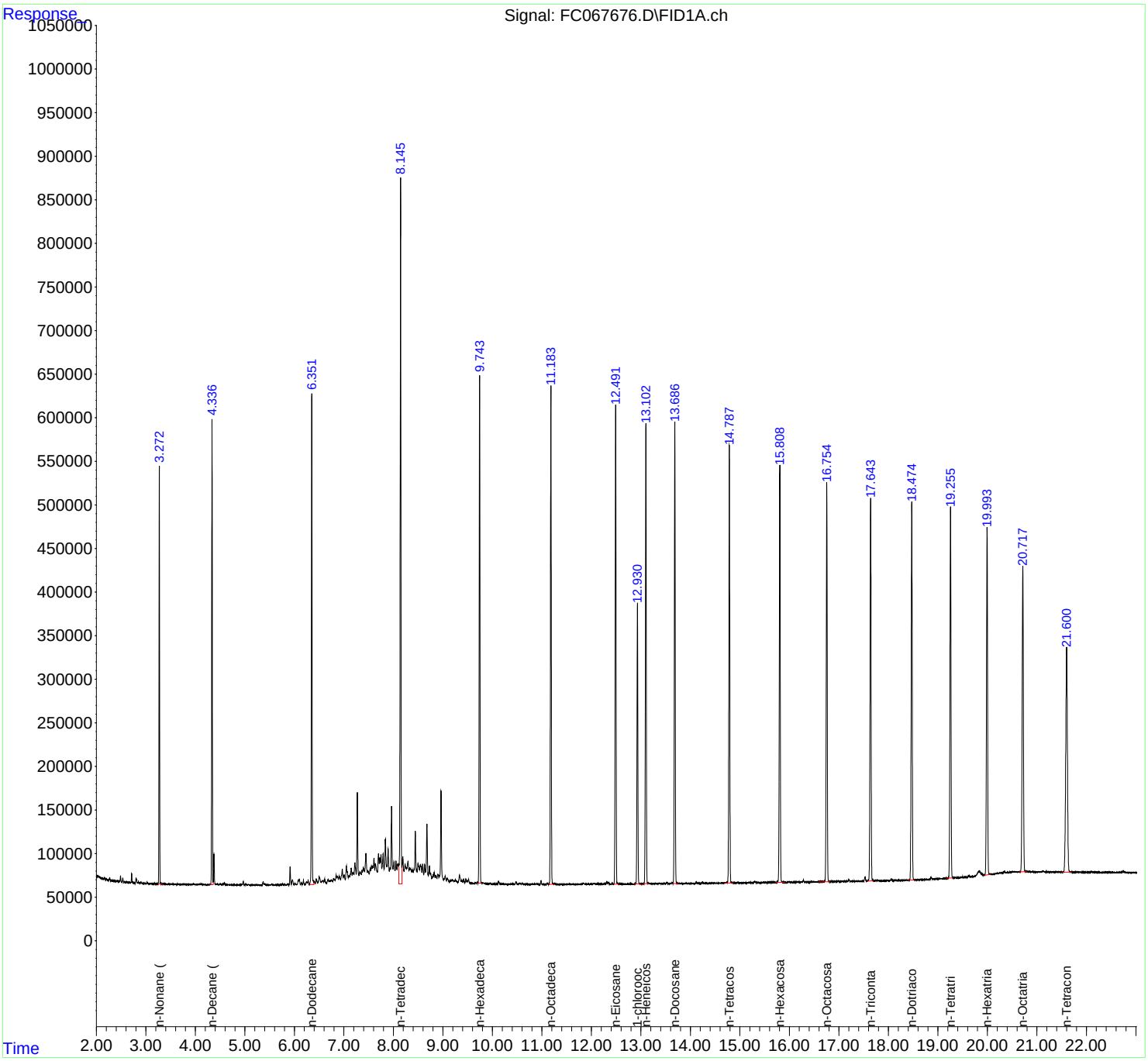
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110824AL\
Data File : FC067676.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:57
Operator : YP/AJ
Sample : P4718-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-307-SB01MSD

Integration File: autoint1.e
Quant Time: Nov 09 01:38:09 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\FC110824AL\
Data File : FC067676.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 19:57
Sample : P4718-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.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	3.272	3.188	3.360	BV	475797	4002172	43.61%	2.599%
2	3.370	3.360	3.380	VV	167	1420	0.02%	0.001%
3	3.397	3.380	3.432	VV	272	4575	0.05%	0.003%
4	3.449	3.432	3.460	PV	204	2363	0.03%	0.002%
5	3.473	3.460	3.498	VV	318	3692	0.04%	0.002%
6	3.510	3.498	3.525	VV	163	1425	0.02%	0.001%
7	3.546	3.525	3.568	VV	420	7309	0.08%	0.005%
8	3.584	3.568	3.627	VV	401	6768	0.07%	0.004%
9	3.643	3.627	3.747	VV	466	6913	0.08%	0.004%
10	3.763	3.747	3.801	PV	243	3746	0.04%	0.002%
11	3.847	3.801	3.904	PV	256	5271	0.06%	0.003%
12	3.936	3.904	3.950	VV	801	8749	0.10%	0.006%
13	3.965	3.950	3.984	VV	1344	12445	0.14%	0.008%
14	3.996	3.984	4.011	PV	149	1941	0.02%	0.001%
15	4.030	4.011	4.052	VV	562	5660	0.06%	0.004%
16	4.061	4.052	4.070	PV	103	554	0.01%	0.000%
17	4.112	4.070	4.130	VV	954	14941	0.16%	0.010%
18	4.141	4.130	4.184	VV	349	5978	0.07%	0.004%
19	4.194	4.184	4.215	VV	116	1791	0.02%	0.001%
20	4.251	4.215	4.296	VV	199	4139	0.05%	0.003%
21	4.337	4.296	4.360	VV	534458	4886956	53.26%	3.173%
22	4.376	4.360	4.421	VV	35247	340717	3.71%	0.221%
23	4.435	4.421	4.471	VV	1241	19815	0.22%	0.013%
24	4.503	4.471	4.522	VV	1423	20430	0.22%	0.013%
25	4.558	4.522	4.572	VV	1177	17873	0.19%	0.012%

rteres

26	4.588	4.572	4.606	VV	2163	21572	0.24%	0.014%
27	4.616	4.606	4.638	VV	479	6692	0.07%	0.004%
28	4.645	4.638	4.693	VV	258	7944	0.09%	0.005%
29	4.707	4.693	4.731	VV	425	6263	0.07%	0.004%
30	4.746	4.731	4.763	VV	260	3524	0.04%	0.002%
31	4.805	4.763	4.838	VV	334	6903	0.08%	0.004%
32	4.856	4.838	4.870	PV	101	1443	0.02%	0.001%
33	4.890	4.870	4.911	VV	354	4458	0.05%	0.003%
34	4.967	4.911	4.997	VV	4241	58111	0.63%	0.038%
35	5.022	4.997	5.045	VV	1059	15086	0.16%	0.010%
36	5.052	5.045	5.060	VV	276	2360	0.03%	0.002%
37	5.075	5.060	5.114	VV	518	7306	0.08%	0.005%
38	5.161	5.114	5.186	PV	277	7534	0.08%	0.005%
39	5.193	5.186	5.217	VV	242	3686	0.04%	0.002%
40	5.228	5.217	5.242	VV	240	2574	0.03%	0.002%
41	5.258	5.242	5.272	VV	259	3196	0.03%	0.002%
42	5.282	5.272	5.292	VV	148	1372	0.01%	0.001%
43	5.301	5.292	5.325	VV	129	2043	0.02%	0.001%
44	5.369	5.325	5.399	VV	3858	51072	0.56%	0.033%
45	5.410	5.399	5.435	VV	1426	15574	0.17%	0.010%
46	5.440	5.435	5.455	VV	134	1809	0.02%	0.001%
47	5.466	5.455	5.482	VV	394	4114	0.04%	0.003%
48	5.550	5.482	5.589	VV	1508	23129	0.25%	0.015%
49	5.625	5.589	5.639	PV	314	5499	0.06%	0.004%
50	5.665	5.639	5.699	VV	519	9516	0.10%	0.006%
51	5.758	5.699	5.789	VV	946	17022	0.19%	0.011%
52	5.810	5.789	5.841	VV	835	12032	0.13%	0.008%
53	5.859	5.841	5.887	VV	847	11802	0.13%	0.008%
54	5.914	5.887	5.938	VV	20927	214327	2.34%	0.139%
55	5.962	5.938	5.993	VV	5885	103081	1.12%	0.067%
56	6.009	5.993	6.051	VV	1935	31976	0.35%	0.021%
57	6.100	6.051	6.123	VV	6989	157325	1.71%	0.102%
58	6.141	6.123	6.160	VV	2569	34494	0.38%	0.022%
59	6.183	6.160	6.211	VV	4501	60840	0.66%	0.040%
60	6.246	6.211	6.262	VV	3577	65153	0.71%	0.042%
61	6.278	6.262	6.300	VV	4703	62916	0.69%	0.041%
62	6.351	6.300	6.396	VV	563255	5715062	62.28%	3.711%
63	6.406	6.396	6.422	VV	4394	51254	0.56%	0.033%
64	6.445	6.422	6.467	VV	5829	112867	1.23%	0.073%
65	6.502	6.467	6.536	VV	9308	227109	2.47%	0.147%
66	6.549	6.536	6.556	VV	4008	46792	0.51%	0.030%
67	6.574	6.556	6.594	VV	5122	101574	1.11%	0.066%
68	6.612	6.594	6.644	VV	6970	128863	1.40%	0.084%
69	6.679	6.644	6.696	VV	6167	128262	1.40%	0.083%

rteres

70	6.708	6.696	6.721	VV	4957	67763	0.74%	0.044%
71	6.750	6.721	6.773	VV	5089	144210	1.57%	0.094%
72	6.793	6.773	6.825	VV	7698	190707	2.08%	0.124%
73	6.844	6.825	6.858	VV	11354	172879	1.88%	0.112%
74	6.872	6.858	6.890	VV	10094	165788	1.81%	0.108%
75	6.909	6.890	6.934	VV	9541	214976	2.34%	0.140%
76	6.968	6.934	6.990	VV	17960	379579	4.14%	0.246%
77	7.007	6.990	7.027	VV	11853	212072	2.31%	0.138%
78	7.051	7.027	7.089	VV	21626	497616	5.42%	0.323%
79	7.102	7.089	7.115	VV	10659	152876	1.67%	0.099%
80	7.150	7.115	7.167	VV	19493	435525	4.75%	0.283%
81	7.186	7.167	7.203	VV	13961	285642	3.11%	0.185%
82	7.223	7.203	7.249	VV	25259	502859	5.48%	0.326%
83	7.273	7.249	7.302	VV	105728	1349791	14.71%	0.876%
84	7.324	7.302	7.348	VV	14022	362086	3.95%	0.235%
85	7.365	7.348	7.373	VV	16158	226165	2.46%	0.147%
86	7.393	7.373	7.417	VV	18761	444244	4.84%	0.288%
87	7.445	7.417	7.475	VV	36030	795782	8.67%	0.517%
88	7.489	7.475	7.511	VV	15670	320024	3.49%	0.208%
89	7.533	7.511	7.544	VV	18618	319150	3.48%	0.207%
90	7.561	7.544	7.571	VV	20790	308520	3.36%	0.200%
91	7.609	7.571	7.625	VV	30514	730926	7.97%	0.475%
92	7.639	7.625	7.676	VV	24338	598937	6.53%	0.389%
93	7.699	7.676	7.714	VV	35841	582479	6.35%	0.378%
94	7.727	7.714	7.738	VV	30924	400335	4.36%	0.260%
95	7.750	7.738	7.767	VV	34332	477842	5.21%	0.310%
96	7.792	7.767	7.813	VV	35267	701933	7.65%	0.456%
97	7.838	7.813	7.866	VV	52045	1020485	11.12%	0.663%
98	7.894	7.866	7.918	VV	41201	821568	8.95%	0.533%
99	7.963	7.918	7.989	VV	90620	1526630	16.64%	0.991%
100	8.012	7.989	8.034	VV	26618	576950	6.29%	0.375%
101	8.052	8.034	8.071	VV	27256	480234	5.23%	0.312%
102	8.097	8.071	8.110	VV	22973	499756	5.45%	0.324%
103	8.146	8.110	8.173	VV	798252	9176332	100.00%	5.958%
104	8.191	8.173	8.218	VV	32475	622222	6.78%	0.404%
105	8.237	8.218	8.270	VV	23497	624669	6.81%	0.406%
106	8.295	8.270	8.315	VV	26752	586438	6.39%	0.381%
107	8.332	8.315	8.371	VV	19657	599310	6.53%	0.389%
108	8.386	8.371	8.401	VV	17015	287107	3.13%	0.186%
109	8.443	8.401	8.479	VV	61503	1209596	13.18%	0.785%
110	8.498	8.479	8.526	VV	24472	574060	6.26%	0.373%
111	8.545	8.526	8.574	VV	22773	575334	6.27%	0.374%
112	8.591	8.574	8.613	VV	23656	417257	4.55%	0.271%

rteres

113	8.631	8.613	8.648	VV	23264	366318	3.99%	0.238%
114	8.677	8.648	8.705	VV	69894	1096183	11.95%	0.712%
115	8.728	8.705	8.777	VV	21545	579086	6.31%	0.376%
116	8.824	8.777	8.842	VV	13872	399012	4.35%	0.259%
117	8.859	8.842	8.878	VV	10560	196410	2.14%	0.128%
118	8.899	8.878	8.925	VV	12254	285750	3.11%	0.186%
119	8.963	8.925	9.021	VV	107380	1573198	17.14%	1.021%
120	9.046	9.021	9.069	VV	9885	213675	2.33%	0.139%
121	9.090	9.069	9.132	VV	6527	208579	2.27%	0.135%
122	9.163	9.132	9.174	VV	4967	113916	1.24%	0.074%
123	9.196	9.174	9.230	VV	5498	157444	1.72%	0.102%
124	9.246	9.230	9.304	VV	4803	178448	1.94%	0.116%
125	9.336	9.304	9.367	VV	10693	242440	2.64%	0.157%
126	9.380	9.367	9.394	VV	4990	69721	0.76%	0.045%
127	9.418	9.394	9.443	VV	6279	134564	1.47%	0.087%
128	9.466	9.443	9.485	VV	6339	109360	1.19%	0.071%
129	9.519	9.485	9.561	VV	6090	156095	1.70%	0.101%
130	9.574	9.561	9.628	VV	1921	63175	0.69%	0.041%
131	9.657	9.628	9.674	VV	2108	46004	0.50%	0.030%
132	9.695	9.674	9.707	VV	2687	44694	0.49%	0.029%
133	9.742	9.707	9.793	VV	585850	6720263	73.23%	4.363%
134	9.805	9.793	9.901	VV	1931	92718	1.01%	0.060%
135	9.909	9.901	9.931	VV	1060	16592	0.18%	0.011%
136	9.964	9.931	9.997	VV	1202	34587	0.38%	0.022%
137	10.016	9.997	10.036	VV	863	16048	0.17%	0.010%
138	10.058	10.036	10.067	VV	791	12651	0.14%	0.008%
139	10.085	10.067	10.098	VV	1061	16388	0.18%	0.011%
140	10.126	10.098	10.154	VV	3219	59400	0.65%	0.039%
141	10.172	10.154	10.192	VV	1087	19308	0.21%	0.013%
142	10.216	10.192	10.239	VV	1146	21318	0.23%	0.014%
143	10.270	10.239	10.298	VV	905	19771	0.22%	0.013%
144	10.340	10.298	10.352	VV	585	12262	0.13%	0.008%
145	10.370	10.352	10.395	VV	660	13246	0.14%	0.009%
146	10.410	10.395	10.440	VV	835	17045	0.19%	0.011%
147	10.477	10.440	10.515	VV	3693	59312	0.65%	0.039%
148	10.549	10.515	10.577	VV	1539	35781	0.39%	0.023%
149	10.604	10.577	10.635	VV	1364	28063	0.31%	0.018%
150	10.645	10.635	10.653	VV	355	3353	0.04%	0.002%
151	10.669	10.653	10.681	VV	415	5651	0.06%	0.004%
152	10.695	10.681	10.717	VV	384	6988	0.08%	0.005%
153	10.727	10.717	10.744	VV	302	4179	0.05%	0.003%
154	10.759	10.744	10.773	VV	303	4188	0.05%	0.003%
155	10.801	10.773	10.828	VV	774	14899	0.16%	0.010%

rteres

156	10.848	10.828	10.880	VV	982	17707	0.19%	0.011%
157	10.899	10.880	10.918	VV	746	12389	0.14%	0.008%
158	10.933	10.918	10.958	VV	472	6740	0.07%	0.004%
159	10.983	10.958	11.021	VV	4388	53452	0.58%	0.035%
160	11.041	11.021	11.072	VV	236	4678	0.05%	0.003%
161	11.110	11.072	11.141	VV	1604	22623	0.25%	0.015%
162	11.183	11.141	11.249	VV	569419	6807427	74.18%	4.420%
163	11.272	11.249	11.318	VV	931	20945	0.23%	0.014%
164	11.333	11.318	11.358	VV	303	3643	0.04%	0.002%
165	11.380	11.358	11.388	PV	175	1874	0.02%	0.001%
166	11.411	11.388	11.443	VV	188	3392	0.04%	0.002%
167	11.472	11.443	11.480	VV	310	4174	0.05%	0.003%
168	11.492	11.480	11.514	VV	309	5034	0.05%	0.003%
169	11.569	11.514	11.605	VV	688	17389	0.19%	0.011%
170	11.635	11.605	11.685	VV	474	14803	0.16%	0.010%
171	11.698	11.685	11.718	VV	197	3293	0.04%	0.002%
172	11.726	11.718	11.735	VV	220	1953	0.02%	0.001%
173	11.746	11.735	11.763	VV	296	4044	0.04%	0.003%
174	11.779	11.763	11.801	VV	422	7727	0.08%	0.005%
175	11.846	11.801	11.869	VV	1342	29727	0.32%	0.019%
176	11.894	11.869	11.917	VV	415	8698	0.09%	0.006%
177	11.939	11.917	11.955	VV	387	5978	0.07%	0.004%
178	11.988	11.955	12.022	VV	407	11681	0.13%	0.008%
179	12.064	12.022	12.102	VV	971	24819	0.27%	0.016%
180	12.130	12.102	12.153	VV	689	14490	0.16%	0.009%
181	12.177	12.153	12.226	VV	522	16091	0.18%	0.010%
182	12.262	12.226	12.275	VV	522	10196	0.11%	0.007%
183	12.311	12.275	12.329	VV	2523	42181	0.46%	0.027%
184	12.347	12.329	12.392	VV	1985	30940	0.34%	0.020%
185	12.425	12.392	12.451	VV	1331	18873	0.21%	0.012%
186	12.490	12.451	12.574	VV	552425	6879344	74.97%	4.467%
187	12.587	12.574	12.618	VV	396	8147	0.09%	0.005%
188	12.630	12.618	12.692	VV	290	5490	0.06%	0.004%
189	12.701	12.692	12.720	VV	107	849	0.01%	0.001%
190	12.745	12.720	12.756	PV	343	4437	0.05%	0.003%
191	12.773	12.756	12.795	VV	289	4578	0.05%	0.003%
192	12.807	12.795	12.831	VV	232	3031	0.03%	0.002%
193	12.850	12.831	12.860	VV	220	2649	0.03%	0.002%
194	12.931	12.860	12.978	VV	322828	3927201	42.80%	2.550%
195	12.984	12.978	13.020	VV	674	11804	0.13%	0.008%
196	13.035	13.020	13.059	VV	492	8227	0.09%	0.005%
197	13.101	13.059	13.189	VV	529666	6627385	72.22%	4.303%
198	13.218	13.189	13.248	VV	367	10339	0.11%	0.007%
199	13.257	13.248	13.277	VV	291	3400	0.04%	0.002%

rteres

200	13.305	13.277	13.340	VV	434	11859	0.13%	0.008%
201	13.364	13.340	13.418	VV	490	16640	0.18%	0.011%
202	13.440	13.418	13.455	VV	302	4854	0.05%	0.003%
203	13.474	13.455	13.498	VV	524	8733	0.10%	0.006%
204	13.526	13.498	13.595	VV	1443	29066	0.32%	0.019%
205	13.629	13.595	13.647	VV	1326	20693	0.23%	0.013%
206	13.686	13.647	13.793	VV	526705	6600336	71.93%	4.285%
207	13.808	13.793	13.854	VV	316	5553	0.06%	0.004%
208	13.907	13.854	13.938	PV	383	10004	0.11%	0.006%
209	13.981	13.938	14.035	VV	241	9696	0.11%	0.006%
210	14.118	14.035	14.162	VV	1281	26922	0.29%	0.017%
211	14.182	14.162	14.211	VV	320	7150	0.08%	0.005%
212	14.244	14.211	14.275	VV	1568	22373	0.24%	0.015%
213	14.300	14.275	14.321	PV	382	6354	0.07%	0.004%
214	14.334	14.321	14.341	VV	321	3445	0.04%	0.002%
215	14.350	14.341	14.368	VV	314	4176	0.05%	0.003%
216	14.376	14.368	14.421	VV	349	7435	0.08%	0.005%
217	14.445	14.421	14.461	VV	461	6329	0.07%	0.004%
218	14.493	14.461	14.511	VV	421	9494	0.10%	0.006%
219	14.533	14.511	14.544	VV	346	6041	0.07%	0.004%
220	14.558	14.544	14.611	VV	417	11917	0.13%	0.008%
221	14.639	14.611	14.668	VV	400	10418	0.11%	0.007%
222	14.692	14.668	14.711	VV	429	7892	0.09%	0.005%
223	14.739	14.711	14.748	VV	1403	18622	0.20%	0.012%
224	14.787	14.748	14.888	VV	500335	6512654	70.97%	4.229%
225	14.903	14.888	14.938	VV	306	6910	0.08%	0.004%
226	14.981	14.938	15.027	VV	364	14727	0.16%	0.010%
227	15.037	15.027	15.066	VV	293	3968	0.04%	0.003%
228	15.081	15.066	15.107	PV	171	2983	0.03%	0.002%
229	15.120	15.107	15.153	VV	222	4097	0.04%	0.003%
230	15.182	15.153	15.190	VV	242	4136	0.05%	0.003%
231	15.212	15.190	15.238	VV	403	7557	0.08%	0.005%
232	15.301	15.238	15.328	VV	1713	32884	0.36%	0.021%
233	15.351	15.328	15.443	VV	509	16905	0.18%	0.011%
234	15.449	15.443	15.458	VV	192	1441	0.02%	0.001%
235	15.487	15.458	15.528	VV	392	12051	0.13%	0.008%
236	15.534	15.528	15.548	VV	361	2698	0.03%	0.002%
237	15.554	15.548	15.574	VV	219	2642	0.03%	0.002%
238	15.617	15.574	15.651	VV	524	16767	0.18%	0.011%
239	15.674	15.651	15.725	VV	494	15607	0.17%	0.010%
240	15.735	15.725	15.741	VV	219	1910	0.02%	0.001%
241	15.807	15.741	15.911	VV	480091	6425036	70.02%	4.172%
242	15.981	15.911	16.038	VV	548	20561	0.22%	0.013%

rteres

243	16.047	16.038	16.065	VV	202	2225	0.02%	0.001%
244	16.122	16.065	16.140	VV	333	11713	0.13%	0.008%
245	16.163	16.140	16.178	VV	439	7108	0.08%	0.005%
246	16.184	16.178	16.215	VV	254	4227	0.05%	0.003%
247	16.285	16.215	16.371	VV	2311	46726	0.51%	0.030%
248	16.381	16.371	16.415	VV	122	1808	0.02%	0.001%
249	16.449	16.415	16.470	PV	390	9130	0.10%	0.006%
250	16.484	16.470	16.505	VV	346	5935	0.06%	0.004%
251	16.515	16.505	16.531	VV	236	3307	0.04%	0.002%
252	16.542	16.531	16.562	VV	334	3940	0.04%	0.003%
253	16.631	16.562	16.666	VV	644	20937	0.23%	0.014%
254	16.675	16.666	16.685	VV	285	2862	0.03%	0.002%
255	16.756	16.685	16.891	VV	457073	6369199	69.41%	4.135%
256	16.908	16.891	16.928	VV	332	4694	0.05%	0.003%
257	16.949	16.928	16.961	VV	309	3823	0.04%	0.002%
258	16.985	16.961	17.025	VV	543	8632	0.09%	0.006%
259	17.069	17.025	17.115	PV	388	10670	0.12%	0.007%
260	17.160	17.115	17.181	VV	396	10038	0.11%	0.007%
261	17.201	17.181	17.261	VV	2444	34563	0.38%	0.022%
262	17.314	17.261	17.338	VV	365	7430	0.08%	0.005%
263	17.349	17.338	17.381	VV	264	3981	0.04%	0.003%
264	17.483	17.381	17.500	VV	268	8853	0.10%	0.006%
265	17.528	17.500	17.568	VV	5028	72606	0.79%	0.047%
266	17.642	17.568	17.738	VV	434298	6409018	69.84%	4.161%
267	17.771	17.738	17.831	VV	1124	30008	0.33%	0.019%
268	17.844	17.831	17.856	VV	166	1395	0.02%	0.001%
269	17.877	17.856	17.891	VV	130	1462	0.02%	0.001%
270	17.919	17.891	17.955	PV	257	6500	0.07%	0.004%
271	17.970	17.955	18.005	VV	257	4829	0.05%	0.003%
272	18.058	18.005	18.094	VV	2297	35635	0.39%	0.023%
273	18.136	18.094	18.181	VV	926	16577	0.18%	0.011%
274	18.203	18.181	18.245	VV	200	3621	0.04%	0.002%
275	18.328	18.245	18.347	PV	258	8343	0.09%	0.005%
276	18.361	18.347	18.390	VV	333	4065	0.04%	0.003%
277	18.403	18.390	18.410	VV	70	558	0.01%	0.000%
278	18.472	18.410	18.528	VV	433383	6326387	68.94%	4.108%
279	18.559	18.528	18.578	VV	420	7938	0.09%	0.005%
280	18.607	18.578	18.658	PV	289	7307	0.08%	0.005%
281	18.732	18.658	18.745	PV	214	3735	0.04%	0.002%
282	18.772	18.745	18.785	VV	126	1819	0.02%	0.001%
283	18.866	18.785	18.927	PV	2423	45785	0.50%	0.030%
284	18.967	18.927	18.978	VV	405	8131	0.09%	0.005%
285	19.034	18.978	19.045	VV	437	13191	0.14%	0.009%

rteres

286	19.058	19.045	19.079	VV	481	8160	0.09%	0.005%
287	19.088	19.079	19.097	VV	386	3541	0.04%	0.002%
288	19.155	19.097	19.169	VV	544	17045	0.19%	0.011%
289	19.255	19.169	19.325	VV	426615	6359771	69.31%	4.129%
290	19.342	19.325	19.382	VV	977	27416	0.30%	0.018%
291	19.409	19.382	19.431	VV	736	17007	0.19%	0.011%
292	19.625	19.431	19.653	VV	2008	112788	1.23%	0.073%
293	19.834	19.653	19.939	VV	6830	511327	5.57%	0.332%
294	19.994	19.939	20.067	VV	397235	6336233	69.05%	4.114%
295	20.342	20.067	20.382	VV	5375	678532	7.39%	0.441%
296	20.408	20.382	20.418	VV	4106	86788	0.95%	0.056%
297	20.521	20.418	20.599	VV	4554	469054	5.11%	0.305%
298	20.631	20.599	20.641	VV	4119	101322	1.10%	0.066%
299	20.716	20.641	20.856	VV	356650	6684915	72.85%	4.340%
300	20.863	20.856	20.931	VV	3683	153004	1.67%	0.099%
301	20.987	20.931	21.009	VV	3083	142626	1.55%	0.093%
302	21.035	21.009	21.061	VV	3120	93672	1.02%	0.061%
303	21.124	21.061	21.205	VV	3526	243695	2.66%	0.158%
304	21.219	21.205	21.238	VV	2324	44980	0.49%	0.029%
305	21.245	21.238	21.269	VV	2191	39580	0.43%	0.026%
306	21.278	21.269	21.293	VV	2185	29910	0.33%	0.019%
307	21.337	21.293	21.390	VV	2104	115833	1.26%	0.075%
308	21.406	21.390	21.415	VV	1959	28240	0.31%	0.018%
309	21.422	21.415	21.439	VV	1915	26088	0.28%	0.017%
310	21.451	21.439	21.486	VV	1773	45571	0.50%	0.030%
311	21.499	21.486	21.513	VV	1523	23495	0.26%	0.015%
312	21.601	21.513	21.725	VV	258719	6279412	68.43%	4.077%

Sum of corrected areas: 154016003

Aliphatic EPH 102324.M Sat Nov 09 02:15:41 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-307-SB01MSD		SDG No.:	P4721	
Lab Sample ID:	P4718-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78	
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
FD048679.D	1	11/08/24	11/08/24	PB164790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.47		0.38	0.85	mg/kg
Aromatic C12-C16	Aromatic C12-C16	17.1		0.44	1.28	mg/kg
Aromatic C16-C21	Aromatic C16-C21	26.6		1.23	2.13	mg/kg
Aromatic C21-C36	Aromatic C21-C36	43.0		2.56	3.42	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.3		40 - 140	119%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.1		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.8		40 - 140	70%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4718-01MSD	Acq On:	08 Nov 2024 19:57
Client Sample ID:	WB-307-SB01MSD	Operator:	YP/AJ
Data file:	FD048679.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	4.092	5.810	15414686	87.483	200	ug/ml
Aromatic C12-C16	5.811	8.415	35557900	200.582	300	ug/ml
Aromatic C16-C21	8.416	12.678	51037520	311.522	500	ug/ml
Aromatic C21-C36	12.679	18.083	76903750	503.583	800	ug/ml
Aromatic EPH	4.092	18.083	178913856	1100		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	5919615	34.75		ug/ml
2-Bromonaphthalene (SURR)	7.371	7.371	9006133	59.34		ug/ml
2-Flurobiphenyl (SURR)	8.220	8.220	5315948	54.14		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048679.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:57
Operator : YP/AJ
Sample : P4718-01MSD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MSD

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:18 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	9006133	59.337 ug/ml
Spiked Amount	50.000		Recovery =	118.67%
6) S	2-Flurobiphenyl (SURR)	8.220	5315948	54.138 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	108.28%
11) S	ortho-Terphenyl (SURR)	11.255	5919615	34.752 ug/ml
Spiked Amount	50.000		Recovery =	69.50%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.193	6568190	37.754 ug/mlm
2) T	Naphthalene (C11.7)	5.710	7452378	41.765 ug/ml
3) T	2-Methylnaphthalene (...	6.757	7223256	40.384 ug/ml
5) T	Acenaphthylene (C15.06)	8.023	8313389	47.345 ug/ml
7) T	Acenaphthene (C15.5)	8.319	8854960	49.926 ug/ml
8) T	Flouorene (C16.55)	9.097	8796279	52.038 ug/ml
9) T	Phenanthrene (C19.36)	10.485	8856092	53.574 ug/ml
10) T	Anthracene (C19.43)	10.561	8830937	55.224 ug/ml
12) T	Fluoranthene (C21.85)	12.290	8895805	54.053 ug/mlm
13) T	Pyrene (C20.8)	12.583	8808424	54.684 ug/ml
14) T	Benzo[a]anthracene (C...	14.452	8291503	56.707 ug/ml
15) T	Chrysene (C27.41)	14.495	8219557	49.969 ug/ml
16) T	benzo[b]fluoranthene ...	16.001	8357062	54.970 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.035	8275011	55.055 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.377	8013954	53.250 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.745	8329641	63.839 ug/ml
20) T	Dibenz[a,h]anthracene...	17.782	8119436	49.894 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.997	8177839	53.418 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110824AR\
Data File : FD048679.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:57
Operator : YP/AJ
Sample : P4718-01MSD
Misc :
ALS Vial : 62 Sample Multiplier: 1

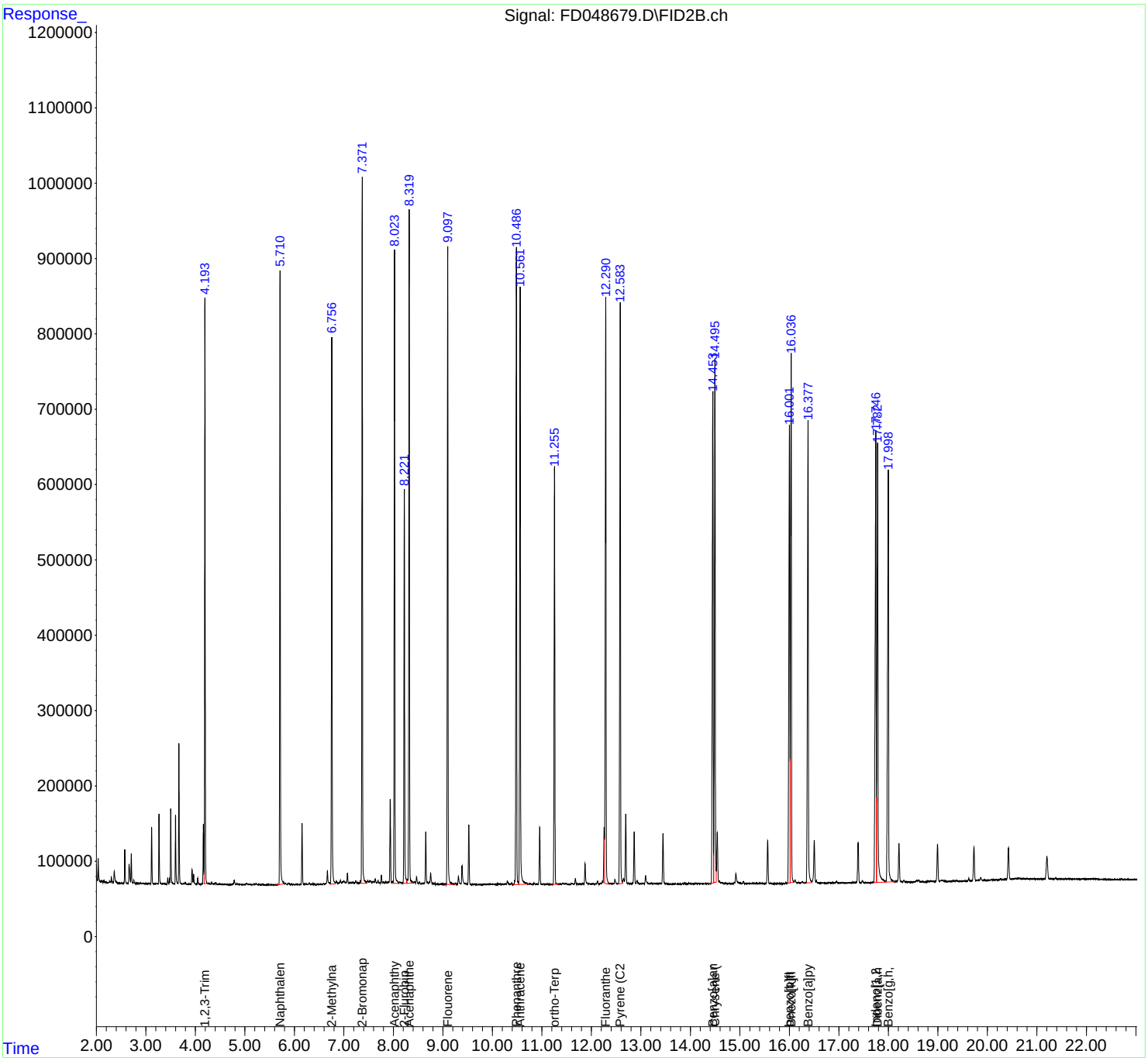
Instrument :
FID_D
ClientSampleId :
WB-307-SB01MSD

Manual Integrations APPROVED

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

Integration File: sample.E
Quant Time: Nov 09 01:08:18 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-307-SB01MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11082
Data File : FD048679.D
Signal(s) : FID2B.ch
Acq On : 08 Nov 2024 19:57
Sample : P4718-01MSD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.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	4.116	4.105	4.122	PV	425	2977	0.03%	0.002%
2	4.124	4.122	4.140	VV	445	3594	0.04%	0.002%
3	4.163	4.140	4.176	VV	79937	708844	7.83%	0.366%
4	4.193	4.176	4.256	VV	777656	6634343	73.32%	3.421%
5	4.270	4.256	4.303	VV	1822	30914	0.34%	0.016%
6	4.330	4.303	4.352	VV	3017	41728	0.46%	0.022%
7	4.359	4.352	4.367	VV	776	6666	0.07%	0.003%
8	4.384	4.367	4.398	VV	2122	23573	0.26%	0.012%
9	4.414	4.398	4.455	VV	3282	41612	0.46%	0.021%
10	4.467	4.455	4.474	VV	482	3986	0.04%	0.002%
11	4.489	4.474	4.514	VV	979	14605	0.16%	0.008%
12	4.524	4.514	4.545	VV	584	6695	0.07%	0.003%
13	4.550	4.545	4.571	VV	343	3766	0.04%	0.002%
14	4.599	4.571	4.633	VV	745	14467	0.16%	0.007%
15	4.639	4.633	4.665	VV	387	4225	0.05%	0.002%
16	4.705	4.665	4.720	PV	521	8130	0.09%	0.004%
17	4.726	4.720	4.730	VV	283	1287	0.01%	0.001%
18	4.736	4.730	4.742	VV	345	1886	0.02%	0.001%
19	4.785	4.742	4.819	VV	6130	92976	1.03%	0.048%
20	4.842	4.819	4.895	VV	1507	27303	0.30%	0.014%
21	4.901	4.895	4.925	VV	376	4620	0.05%	0.002%
22	4.950	4.925	4.962	VV	319	4749	0.05%	0.002%
23	4.982	4.962	4.997	VV	546	7298	0.08%	0.004%
24	5.004	4.997	5.010	VV	195	1382	0.02%	0.001%
25	5.030	5.010	5.102	VV	2137	48642	0.54%	0.025%
26	5.110	5.102	5.119	VV	516	3528	0.04%	0.002%
27	5.121	5.119	5.136	VV	423	2808	0.03%	0.001%
28	5.139	5.136	5.145	VV	330	1329	0.01%	0.001%
29	5.160	5.145	5.169	VV	383	4319	0.05%	0.002%
30	5.188	5.169	5.209	VV	1349	18111	0.20%	0.009%
31	5.226	5.209	5.257	VV	2203	26123	0.29%	0.013%
32	5.281	5.257	5.309	VV	788	12684	0.14%	0.007%
33	5.319	5.309	5.332	VV	301	3266	0.04%	0.002%
34	5.350	5.332	5.379	VV	680	11298	0.12%	0.006%
35	5.382	5.379	5.399	VV	333	2485	0.03%	0.001%
36	5.409	5.399	5.422	VV	236	1737	0.02%	0.001%

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MSD

Manual IntegrationsAPPROVED

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

rteres

37	5.433	5.422	5.445	VV	398	3404	0.04%	0.002%
38	5.455	5.445	5.460	VV	316	2120		
39	5.470	5.460	5.501	VV	571	8534		
40	5.508	5.501	5.530	VV	469	6239		
41	5.543	5.530	5.574	VV	456	8566		
42	5.579	5.574	5.590	VV	366	1726		
43	5.605	5.590	5.614	PV	411	3885	0.04%	0.002%
44	5.628	5.614	5.645	VV	274	3969	0.04%	0.002%
45	5.654	5.645	5.668	VV	364	4158	0.05%	0.002%
46	5.710	5.668	5.808	VV	814364	7544129	83.37%	3.891%
47	5.821	5.808	5.843	VV	2340	35785	0.40%	0.018%
48	5.846	5.843	5.855	VV	1029	6761	0.07%	0.003%
49	5.893	5.855	5.916	VV	2161	52584	0.58%	0.027%
50	5.934	5.916	5.944	VV	1158	14164	0.16%	0.007%
51	5.949	5.944	5.969	VV	1058	11978	0.13%	0.006%
52	5.981	5.969	6.015	VV	1071	16199	0.18%	0.008%
53	6.035	6.015	6.057	VV	1295	22389	0.25%	0.012%
54	6.074	6.057	6.100	VV	1028	16852	0.19%	0.009%
55	6.125	6.100	6.132	VV	970	13739	0.15%	0.007%
56	6.156	6.132	6.187	VV	82051	803179	8.88%	0.414%
57	6.197	6.187	6.218	VV	1383	17014	0.19%	0.009%
58	6.240	6.218	6.259	VV	1878	28093	0.31%	0.014%
59	6.274	6.259	6.282	VV	1064	12000	0.13%	0.006%
60	6.304	6.282	6.325	VV	2747	42809	0.47%	0.022%
61	6.338	6.325	6.355	VV	1002	13747	0.15%	0.007%
62	6.377	6.355	6.389	VV	1730	21966	0.24%	0.011%
63	6.405	6.389	6.435	VV	1148	21653	0.24%	0.011%
64	6.474	6.435	6.500	VV	1161	29265	0.32%	0.015%
65	6.537	6.500	6.573	VV	1023	35495	0.39%	0.018%
66	6.592	6.573	6.613	VV	2194	33317	0.37%	0.017%
67	6.668	6.613	6.725	VV	19028	316137	3.49%	0.163%
68	6.757	6.725	6.826	VV	728028	7300621	80.68%	3.765%
69	6.853	6.826	6.886	VV	4629	113345	1.25%	0.058%
70	6.905	6.886	6.915	VV	3478	48334	0.53%	0.025%
71	6.932	6.915	6.954	VV	6176	100326	1.11%	0.052%
72	6.974	6.954	6.981	VV	4403	61740	0.68%	0.032%
73	7.004	6.981	7.026	VV	5099	113379	1.25%	0.058%
74	7.039	7.026	7.052	VV	3968	53763	0.59%	0.028%
75	7.073	7.052	7.097	VV	15865	197121	2.18%	0.102%
76	7.126	7.097	7.147	VV	3111	82546	0.91%	0.043%
77	7.162	7.147	7.179	VV	3318	56985	0.63%	0.029%
78	7.191	7.179	7.207	VV	3197	49615	0.55%	0.026%
79	7.241	7.207	7.268	VV	5765	130186	1.44%	0.067%
80	7.281	7.268	7.296	VV	2713	43237	0.48%	0.022%
81	7.303	7.296	7.311	VV	2368	19998	0.22%	0.010%
82	7.332	7.311	7.343	VV	4823	70204	0.78%	0.036%
83	7.371	7.343	7.420	VV	936263	9048841	100.00%	4.667%
84	7.430	7.420	7.463	VV	5545	116282	1.29%	0.060%
85	7.482	7.463	7.510	VV	6145	126787	1.40%	0.065%
86	7.526	7.510	7.540	VV	5711	83647	0.92%	0.043%
87	7.551	7.540	7.568	VV	4808	68074	0.75%	0.035%
88	7.591	7.568	7.607	VV	5047	91094	1.01%	0.047%
89	7.635	7.607	7.657	VV	8323	147160	1.63%	0.076%

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90	7.664	7.657	7.673	VV	3326	31956	0.35%	0.016%
91	7.690	7.673	7.709	VV	6183	88875		
92	7.724	7.709	7.735	VV	3087	45276		
93	7.758	7.735	7.780	VV	12822	170672		
94	7.796	7.780	7.829	VV	4169	88707		
95	7.843	7.829	7.858	VV	4697	63343		
96	7.874	7.858	7.880	VV	3182	40709	0.45%	0.021%
97	7.900	7.880	7.912	VV	3693	65373	0.72%	0.034%
98	7.937	7.912	7.965	VV	113597	1212813	13.40%	0.625%
99	7.984	7.965	7.996	VV	4580	68305	0.75%	0.035%
100	8.024	7.996	8.065	VV	842787	8339221	92.16%	4.301%
101	8.072	8.065	8.104	VV	5889	104786	1.16%	0.054%
102	8.109	8.104	8.117	VV	3131	23940	0.26%	0.012%
103	8.130	8.117	8.154	VV	3999	69952	0.77%	0.036%
104	8.166	8.154	8.190	VV	3003	55552	0.61%	0.029%
105	8.221	8.190	8.271	VV	525436	5420474	59.90%	2.795%
106	8.284	8.271	8.292	VV	7411	84603	0.93%	0.044%
107	8.319	8.292	8.373	VV	894111	8868199	98.00%	4.574%
108	8.381	8.373	8.407	VV	4556	75574	0.84%	0.039%
109	8.425	8.407	8.448	VV	4242	83311	0.92%	0.043%
110	8.468	8.448	8.506	VV	10806	174195	1.93%	0.090%
111	8.523	8.506	8.567	VV	3492	82502	0.91%	0.043%
112	8.584	8.567	8.602	VV	2038	35866	0.40%	0.018%
113	8.612	8.602	8.626	VV	2090	28935	0.32%	0.015%
114	8.654	8.626	8.711	VV	70684	789988	8.73%	0.407%
115	8.727	8.711	8.734	VV	3361	38747	0.43%	0.020%
116	8.753	8.734	8.790	VV	15513	221721	2.45%	0.114%
117	8.802	8.790	8.820	VV	2187	31269	0.35%	0.016%
118	8.838	8.820	8.864	VV	1929	34688	0.38%	0.018%
119	8.888	8.864	8.921	VV	1458	32477	0.36%	0.017%
120	8.940	8.921	8.947	VV	1048	12312	0.14%	0.006%
121	8.951	8.947	8.958	VV	1059	5849	0.06%	0.003%
122	8.978	8.958	9.000	VV	1227	22965	0.25%	0.012%
123	9.028	9.000	9.040	VV	1037	19099	0.21%	0.010%
124	9.052	9.040	9.064	VV	1028	12919	0.14%	0.007%
125	9.098	9.064	9.236	VV	845142	8856952	97.88%	4.568%
126	9.256	9.236	9.294	VV	1637	33091	0.37%	0.017%
127	9.315	9.294	9.345	VV	11344	154077	1.70%	0.079%
128	9.355	9.345	9.369	VV	1954	21909	0.24%	0.011%
129	9.386	9.369	9.460	VV	25151	382068	4.22%	0.197%
130	9.472	9.460	9.495	VV	1523	24213	0.27%	0.012%
131	9.525	9.495	9.562	VV	79935	862689	9.53%	0.445%
132	9.579	9.562	9.587	VV	445	5323	0.06%	0.003%
133	9.591	9.587	9.595	VV	466	1977	0.02%	0.001%
134	9.618	9.595	9.660	VV	726	20790	0.23%	0.011%
135	9.675	9.660	9.683	VV	416	4184	0.05%	0.002%
136	9.692	9.683	9.721	VV	380	5654	0.06%	0.003%
137	9.746	9.721	9.760	VV	430	6210	0.07%	0.003%
138	9.789	9.760	9.799	VV	511	7269	0.08%	0.004%
139	9.801	9.799	9.822	VV	395	3946	0.04%	0.002%
140	9.842	9.822	9.850	VV	740	9109	0.10%	0.005%
141	9.857	9.850	9.862	VV	505	3481	0.04%	0.002%

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142	9.869	9.862	9.899	VV	503	8732	0.10%	0.005%
143	9.906	9.899	9.912	VV	668	4491		
144	9.918	9.912	9.932	VV	763	7100		
145	9.946	9.932	9.978	VV	785	16202		
146	9.983	9.978	10.007	VV	562	8448		
147	10.027	10.007	10.067	VV	1011	19103		
148	10.073	10.067	10.084	VV	384	2769	0.03%	0.001%
149	10.107	10.084	10.127	VV	1030	18166	0.20%	0.009%
150	10.135	10.127	10.157	VV	1089	16442	0.18%	0.008%
151	10.162	10.157	10.180	VV	764	8533	0.09%	0.004%
152	10.199	10.180	10.217	VV	833	16094	0.18%	0.008%
153	10.222	10.217	10.245	VV	804	12024	0.13%	0.006%
154	10.260	10.245	10.285	VV	1187	20470	0.23%	0.011%
155	10.303	10.285	10.357	VV	5201	89128	0.98%	0.046%
156	10.383	10.357	10.411	VV	2054	32768	0.36%	0.017%
157	10.452	10.411	10.456	PV	5944	46465	0.51%	0.024%
158	10.485	10.456	10.530	VV	844613	8825855	97.54%	4.552%
159	10.561	10.530	10.670	VV	796596	8833920	97.62%	4.556%
160	10.678	10.670	10.705	VV	2407	38214	0.42%	0.020%
161	10.715	10.705	10.722	VV	1492	13442	0.15%	0.007%
162	10.723	10.722	10.729	VV	1296	4711	0.05%	0.002%
163	10.736	10.729	10.745	VV	1110	9000	0.10%	0.005%
164	10.759	10.745	10.819	VV	1399	34974	0.39%	0.018%
165	10.838	10.819	10.871	VV	1810	35063	0.39%	0.018%
166	10.889	10.871	10.916	VV	1166	23452	0.26%	0.012%
167	10.956	10.916	11.002	VV	75905	869547	9.61%	0.448%
168	11.008	11.002	11.014	VV	657	3724	0.04%	0.002%
169	11.038	11.014	11.065	VV	1437	23900	0.26%	0.012%
170	11.071	11.065	11.090	VV	503	5716	0.06%	0.003%
171	11.109	11.090	11.131	VV	902	12085	0.13%	0.006%
172	11.151	11.131	11.183	VV	785	13625	0.15%	0.007%
173	11.187	11.183	11.195	VV	271	1661	0.02%	0.001%
174	11.200	11.195	11.210	VV	277	1645	0.02%	0.001%
175	11.255	11.210	11.304	VV	555328	5940924	65.65%	3.064%
176	11.308	11.304	11.316	VV	1140	7127	0.08%	0.004%
177	11.325	11.316	11.369	VV	975	26331	0.29%	0.014%
178	11.388	11.369	11.394	VV	971	11052	0.12%	0.006%
179	11.424	11.394	11.444	VV	2181	40366	0.45%	0.021%
180	11.459	11.444	11.471	VV	1156	14875	0.16%	0.008%
181	11.488	11.471	11.526	VV	1247	27887	0.31%	0.014%
182	11.537	11.526	11.570	VV	512	11655	0.13%	0.006%
183	11.613	11.570	11.639	VV	1454	35162	0.39%	0.018%
184	11.676	11.639	11.698	VV	8070	107542	1.19%	0.055%
185	11.710	11.698	11.735	VV	1664	23719	0.26%	0.012%
186	11.754	11.735	11.764	VV	940	13381	0.15%	0.007%
187	11.770	11.764	11.789	VV	799	9916	0.11%	0.005%
188	11.838	11.789	11.849	VV	1467	35982	0.40%	0.019%
189	11.872	11.849	11.946	VV	27761	382893	4.23%	0.197%
190	11.960	11.946	11.974	VV	1132	16494	0.18%	0.009%
191	11.977	11.974	11.983	VV	904	4843	0.05%	0.002%
192	11.994	11.983	12.013	VV	998	15955	0.18%	0.008%
193	12.024	12.013	12.044	VV	1104	17440	0.19%	0.009%
194	12.050	12.044	12.058	VV	959	6429	0.07%	0.003%

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195	12.087	12.058	12.101	VV	1150	22038	0.24%	0.011%
196	12.125	12.101	12.148	VV	4351	64316		
197	12.183	12.148	12.195	VV	1679	31231		
198	12.223	12.195	12.234	VV	5031	64966		
199	12.258	12.234	12.265	VV	75799	737053		
200	12.290	12.265	12.373	VV	782031	9023530	9	
201	12.379	12.373	12.383	VV	1279	6465	0.07%	0.003%
202	12.391	12.383	12.410	VV	1404	20187	0.22%	0.010%
203	12.417	12.410	12.423	VV	1063	7599	0.08%	0.004%
204	12.436	12.423	12.452	VV	1060	16174	0.18%	0.008%
205	12.475	12.452	12.524	VV	6812	118315	1.31%	0.061%
206	12.534	12.524	12.545	VV	1086	12554	0.14%	0.006%
207	12.583	12.545	12.632	VV	773866	8866792	97.99%	4.573%
208	12.650	12.632	12.669	VV	8408	129997	1.44%	0.067%
209	12.695	12.669	12.725	VV	93261	1097338	12.13%	0.566%
210	12.742	12.725	12.772	VV	1999	43940	0.49%	0.023%
211	12.776	12.772	12.795	VV	1175	14735	0.16%	0.008%
212	12.803	12.795	12.809	VV	1088	7821	0.09%	0.004%
213	12.828	12.809	12.835	VV	1408	19487	0.22%	0.010%
214	12.865	12.835	12.893	VV	70147	833997	9.22%	0.430%
215	12.922	12.893	12.969	VV	5439	117025	1.29%	0.060%
216	12.992	12.969	13.007	VV	1289	25099	0.28%	0.013%
217	13.014	13.007	13.042	VV	1054	19613	0.22%	0.010%
218	13.095	13.042	13.172	VV	11640	244536	2.70%	0.126%
219	13.210	13.172	13.237	VV	1684	48015	0.53%	0.025%
220	13.239	13.237	13.255	VV	1111	10562	0.12%	0.005%
221	13.271	13.255	13.289	VV	1424	23713	0.26%	0.012%
222	13.294	13.289	13.303	VV	1116	8960	0.10%	0.005%
223	13.318	13.303	13.337	VV	1368	22340	0.25%	0.012%
224	13.353	13.337	13.365	VV	1234	17804	0.20%	0.009%
225	13.394	13.365	13.417	VV	1535	35127	0.39%	0.018%
226	13.448	13.417	13.499	VV	67856	846117	9.35%	0.436%
227	13.510	13.499	13.539	VV	1170	22227	0.25%	0.011%
228	13.541	13.539	13.572	VV	638	11228	0.12%	0.006%
229	13.576	13.572	13.580	VV	593	2389	0.03%	0.001%
230	13.587	13.580	13.600	VV	623	5932	0.07%	0.003%
231	13.608	13.600	13.637	VV	618	11420	0.13%	0.006%
232	13.642	13.637	13.647	VV	543	2708	0.03%	0.001%
233	13.661	13.647	13.667	VV	627	6526	0.07%	0.003%
234	13.672	13.667	13.677	VV	619	3056	0.03%	0.002%
235	13.705	13.677	13.724	VV	735	17122	0.19%	0.009%
236	13.728	13.724	13.733	VV	647	3380	0.04%	0.002%
237	13.740	13.733	13.774	VV	742	15377	0.17%	0.008%
238	13.784	13.774	13.799	VV	732	8120	0.09%	0.004%
239	13.806	13.799	13.811	VV	692	4149	0.05%	0.002%
240	13.814	13.811	13.819	VV	548	2426	0.03%	0.001%
241	13.845	13.819	13.861	VV	1108	21933	0.24%	0.011%
242	13.885	13.861	13.913	VV	2002	39591	0.44%	0.020%
243	13.918	13.913	13.952	VV	1086	18022	0.20%	0.009%
244	13.970	13.952	13.994	VV	1607	25711	0.28%	0.013%
245	14.003	13.994	14.031	VV	1065	20306	0.22%	0.010%
246	14.036	14.031	14.061	VV	874	13372	0.15%	0.007%

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247	14.067	14.061	14.080	VV	808	7774	0.09%	0.004%
248	14.107	14.080	14.114	VV	1310	19906		
249	14.116	14.114	14.143	VV	1230	18084		
250	14.165	14.143	14.197	VV	1451	33191		
251	14.205	14.197	14.249	VV	870	23257		
252	14.259	14.249	14.263	VV	804	6177		
253	14.272	14.263	14.292	VV	849	13281	0.15%	0.007%
254	14.313	14.292	14.338	VV	976	22554	0.25%	0.012%
255	14.353	14.338	14.374	VV	981	17114	0.19%	0.009%
256	14.393	14.374	14.403	VV	1046	16042	0.18%	0.008%
257	14.408	14.403	14.413	VV	915	5338	0.06%	0.003%
258	14.453	14.413	14.471	VV	656348	8343508	92.21%	4.303%
259	14.495	14.471	14.524	VV	696962	8310594	91.84%	4.286%
260	14.544	14.524	14.575	VV	68294	939667	10.38%	0.485%
261	14.585	14.575	14.632	VV	4067	93877	1.04%	0.048%
262	14.637	14.632	14.642	VV	1749	10071	0.11%	0.005%
263	14.646	14.642	14.665	VV	1754	22383	0.25%	0.012%
264	14.670	14.665	14.702	VV	1588	27083	0.30%	0.014%
265	14.716	14.702	14.768	VV	1452	43876	0.48%	0.023%
266	14.775	14.768	14.792	VV	1097	13802	0.15%	0.007%
267	14.795	14.792	14.819	VV	1009	11897	0.13%	0.006%
268	14.837	14.819	14.844	VV	918	11220	0.12%	0.006%
269	14.850	14.844	14.863	VV	975	9858	0.11%	0.005%
270	14.884	14.863	14.896	VV	2757	35590	0.39%	0.018%
271	14.919	14.896	15.027	VV	13992	326922	3.61%	0.169%
272	15.032	15.027	15.045	VV	1224	12579	0.14%	0.006%
273	15.073	15.045	15.099	VV	3824	67498	0.75%	0.035%
274	15.114	15.099	15.139	VV	1205	23508	0.26%	0.012%
275	15.161	15.139	15.231	VV	1344	58990	0.65%	0.030%
276	15.262	15.231	15.274	VV	1590	31580	0.35%	0.016%
277	15.279	15.274	15.289	VV	1205	9675	0.11%	0.005%
278	15.292	15.289	15.296	VV	1243	5237	0.06%	0.003%
279	15.301	15.296	15.314	VV	1273	13192	0.15%	0.007%
280	15.319	15.314	15.339	VV	1229	16187	0.18%	0.008%
281	15.356	15.339	15.374	VV	1262	23432	0.26%	0.012%
282	15.377	15.374	15.387	VV	1099	8596	0.09%	0.004%
283	15.402	15.387	15.412	VV	1469	19178	0.21%	0.010%
284	15.417	15.412	15.428	VV	1369	12003	0.13%	0.006%
285	15.442	15.428	15.473	VV	1381	31576	0.35%	0.016%
286	15.489	15.473	15.493	VV	1160	12415	0.14%	0.006%
287	15.498	15.493	15.502	VV	1151	5801	0.06%	0.003%
288	15.504	15.502	15.510	VV	1173	5602	0.06%	0.003%
289	15.520	15.510	15.528	VV	1489	14633	0.16%	0.008%
290	15.561	15.528	15.597	VV	57712	772681	8.54%	0.398%
291	15.607	15.597	15.612	VV	1331	11391	0.13%	0.006%
292	15.617	15.612	15.636	VV	1281	15831	0.17%	0.008%
293	15.640	15.636	15.657	VV	908	10469	0.12%	0.005%
294	15.663	15.657	15.688	VV	836	12622	0.14%	0.007%
295	15.709	15.688	15.752	VV	1035	33344	0.37%	0.017%
296	15.761	15.752	15.770	VV	1023	9481	0.10%	0.005%
297	15.774	15.770	15.782	VV	977	6499	0.07%	0.003%
298	15.792	15.782	15.810	VV	963	13820	0.15%	0.007%
299	15.830	15.810	15.855	VV	1086	23459	0.26%	0.012%

Instrument :
FID_D
ClientSampleId :
WB-307-SB01MSD

Manual IntegrationsAPPROVED

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

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300	15.887	15.855	15.906	VV	938	25533	0.28%	0.013%
301	15.932	15.906	15.959	VV	1862	43615		
302	16.001	15.959	16.015	VV	610703	8376197	92	
303	16.036	16.015	16.094	VV	706949	8428946	93	
304	16.116	16.094	16.142	VV	5853	111098		
305	16.145	16.142	16.164	VV	2038	24837		
306	16.181	16.164	16.207	VV	2163	48988	0.54%	0.025%
307	16.212	16.207	16.217	VV	1714	9694	0.11%	0.005%
308	16.259	16.217	16.303	VV	3930	111000	1.23%	0.057%
309	16.318	16.303	16.336	VV	2572	39059	0.43%	0.020%
310	16.377	16.336	16.454	VV	615259	8146995	90.03%	4.202%
311	16.503	16.454	16.533	VV	58410	906689	10.02%	0.468%
312	16.547	16.533	16.570	VV	3976	66017	0.73%	0.034%
313	16.579	16.570	16.601	VV	1817	29491	0.33%	0.015%
314	16.605	16.601	16.615	VV	1535	12710	0.14%	0.007%
315	16.623	16.615	16.627	VV	1531	10200	0.11%	0.005%
316	16.631	16.627	16.637	VV	1454	8594	0.09%	0.004%
317	16.654	16.637	16.667	VV	1625	26950	0.30%	0.014%
318	16.675	16.667	16.685	VV	1594	15524	0.17%	0.008%
319	16.695	16.685	16.700	VV	1484	12488	0.14%	0.006%
320	16.704	16.700	16.732	VV	1619	28549	0.32%	0.015%
321	16.748	16.732	16.753	VV	1405	15778	0.17%	0.008%
322	16.768	16.753	16.777	VV	1568	20529	0.23%	0.011%
323	16.808	16.777	16.848	VV	2260	77533	0.86%	0.040%
324	16.874	16.848	16.906	VV	1985	57872	0.64%	0.030%
325	16.949	16.906	16.985	VV	3229	95635	1.06%	0.049%
326	17.031	16.985	17.039	VV	1672	45209	0.50%	0.023%
327	17.047	17.039	17.055	VV	1614	14819	0.16%	0.008%
328	17.070	17.055	17.086	VV	1770	30651	0.34%	0.016%
329	17.096	17.086	17.102	VV	1595	15247	0.17%	0.008%
330	17.110	17.102	17.118	VV	1638	14266	0.16%	0.007%
331	17.127	17.118	17.135	VV	1552	14310	0.16%	0.007%
332	17.147	17.135	17.169	VV	1640	31276	0.35%	0.016%
333	17.184	17.169	17.204	VV	1675	31727	0.35%	0.016%
334	17.207	17.204	17.217	VV	1616	12189	0.13%	0.006%
335	17.247	17.217	17.257	VV	1917	40156	0.44%	0.021%
336	17.278	17.257	17.314	VV	2322	64437	0.71%	0.033%
337	17.319	17.314	17.323	VV	1743	8889	0.10%	0.005%
338	17.389	17.323	17.434	VV	54911	842906	9.32%	0.435%
339	17.439	17.434	17.447	VV	1771	13308	0.15%	0.007%
340	17.475	17.447	17.512	VV	4560	107101	1.18%	0.055%
341	17.519	17.512	17.528	VV	1913	16558	0.18%	0.009%
342	17.541	17.528	17.567	VV	2078	43832	0.48%	0.023%
343	17.583	17.567	17.620	VV	1853	55529	0.61%	0.029%
344	17.625	17.620	17.643	VV	1731	21681	0.24%	0.011%
345	17.690	17.643	17.702	VV	2437	74076	0.82%	0.038%
346	17.746	17.702	17.759	VV	601765	8361177	92.40%	4.312%
347	17.782	17.759	17.953	VV	585095	8440594	93.28%	4.353%
348	17.998	17.953	18.139	VV	549653	8497722	93.91%	4.382%

Sum of corrected areas: 193903623

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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:	FC110824AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4721-01	FC067680.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:48 AM	Ankita	11/11/2024 9:54:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC111124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4721-01DL	FC067688.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:37:44 AM	Ankita	11/12/2024 10:07:19	Peak Integrated by Software
P4721-02DL	FC067690.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:37:47 AM	Ankita	11/12/2024 10:07:21	Peak Integrated by Software
P4721-02DL2	FC067691.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:37:48 AM	Ankita	11/12/2024 10:07:23	Peak Integrated by Software
P4791-02	FC067698.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:37:50 AM	Ankita	11/12/2024 10:07:25	Peak Integrated by Software
P4792-04	FC067699.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:37:51 AM	Ankita	11/12/2024 10:07:26	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067701.D	n-Hexatriacontane (C36)	yogesh	11/12/2024 8:37:53 AM	Ankita	11/12/2024 10:07:28	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067701.D	n-Octatriacontane (C38)	yogesh	11/12/2024 8:37:53 AM	Ankita	11/12/2024 10:07:28	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067701.D	n-Tetracontane (C40)	yogesh	11/12/2024 8:37:53 AM	Ankita	11/12/2024 10:07:28	Peak Integrated by Software

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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:	FD110824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048669.D	Benzo[a]anthracene (C26.37)	yogesh	11/11/2024 9:24:04 AM	Ankita	11/11/2024 9:55:12	Peak Integrated by Software
20 PPM AROMATIC HC	FD048669.D	benzo[b]fluoranthene (C30.41)	yogesh	11/11/2024 9:24:04 AM	Ankita	11/11/2024 9:55:12	Peak Integrated by Software
20 PPM AROMATIC HC	FD048669.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/11/2024 9:24:04 AM	Ankita	11/11/2024 9:55:12	Peak Integrated by Software
20 PPM AROMATIC HC	FD048669.D	Fluoranthene (C21.85)	yogesh	11/11/2024 9:24:04 AM	Ankita	11/11/2024 9:55:12	Peak Integrated by Software
PB164790BS	FD048674.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/11/2024 9:24:06 AM	Ankita	11/11/2024 9:55:14	Peak Integrated by Software
PB164790BS	FD048674.D	Fluoranthene (C21.85)	yogesh	11/11/2024 9:24:06 AM	Ankita	11/11/2024 9:55:14	Peak Integrated by Software
PB164790BSD	FD048675.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/11/2024 9:24:08 AM	Ankita	11/11/2024 9:55:15	Peak Integrated by Software
PB164790BSD	FD048675.D	Fluoranthene (C21.85)	yogesh	11/11/2024 9:24:08 AM	Ankita	11/11/2024 9:55:15	Peak Integrated by Software
P4718-01MS	FD048678.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/11/2024 9:24:10 AM	Ankita	11/11/2024 9:55:17	Peak Integrated by Software
P4718-01MS	FD048678.D	Benzo[a]anthracene (C26.37)	yogesh	11/11/2024 9:24:10 AM	Ankita	11/11/2024 9:55:17	Peak Integrated by Software
P4718-01MS	FD048678.D	Fluoranthene (C21.85)	yogesh	11/11/2024 9:24:10 AM	Ankita	11/11/2024 9:55:17	Peak Integrated by Software
P4718-01MS	FD048678.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:10 AM	Ankita	11/11/2024 9:55:17	Peak Integrated by Software
P4718-01MSD	FD048679.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/11/2024 9:24:11 AM	Ankita	11/11/2024 9:55:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD110824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4718-01MSD	FD048679.D	Fluoranthene (C21.85)	yogesh	11/11/2024 9:24:11 AM	Ankita	11/11/2024 9:55:18	Peak Integrated by Software
P4721-01	FD048681.D	2-Bromonaphthalene (SURR)	yogesh	11/11/2024 9:24:13 AM	Ankita	11/11/2024 9:55:20	Peak Integrated by Software
P4721-01	FD048681.D	2-Flurobiphenyl (SURR)	yogesh	11/11/2024 9:24:13 AM	Ankita	11/11/2024 9:55:20	Peak Integrated by Software
P4721-01	FD048681.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:13 AM	Ankita	11/11/2024 9:55:20	Peak Integrated by Software
P4721-02	FD048682.D	2-Bromonaphthalene (SURR)	yogesh	11/11/2024 9:24:15 AM	Ankita	11/11/2024 9:55:21	Peak Integrated by Software
P4721-02	FD048682.D	2-Flurobiphenyl (SURR)	yogesh	11/11/2024 9:24:15 AM	Ankita	11/11/2024 9:55:21	Peak Integrated by Software
P4721-02	FD048682.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:15 AM	Ankita	11/11/2024 9:55:21	Peak Integrated by Software
P4721-03	FD048683.D	2-Bromonaphthalene (SURR)	yogesh	11/11/2024 9:24:17 AM	Ankita	11/11/2024 9:55:23	Peak Integrated by Software
P4721-03	FD048683.D	2-Flurobiphenyl (SURR)	yogesh	11/11/2024 9:24:17 AM	Ankita	11/11/2024 9:55:23	Peak Integrated by Software
P4721-03	FD048683.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:17 AM	Ankita	11/11/2024 9:55:23	Peak Integrated by Software
P4721-04	FD048684.D	2-Bromonaphthalene (SURR)	yogesh	11/11/2024 9:24:18 AM	Ankita	11/11/2024 9:55:24	Peak Integrated by Software
P4721-04	FD048684.D	2-Flurobiphenyl (SURR)	yogesh	11/11/2024 9:24:18 AM	Ankita	11/11/2024 9:55:24	Peak Integrated by Software
P4721-04	FD048684.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:18 AM	Ankita	11/11/2024 9:55:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD110824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FD111124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4721-01DL	FD048691.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 8:36:59 AM	Ankita	11/12/2024 10:06:46	Peak Integrated by Software
P4721-01DL	FD048691.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 8:36:59 AM	Ankita	11/12/2024 10:06:46	Peak Integrated by Software
P4721-01DL	FD048691.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:36:59 AM	Ankita	11/12/2024 10:06:46	Peak Integrated by Software
P4721-02DL	FD048692.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 8:37:01 AM	Ankita	11/12/2024 10:06:47	Peak Integrated by Software
P4721-02DL	FD048692.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 8:37:01 AM	Ankita	11/12/2024 10:06:47	Peak Integrated by Software
P4721-03DL	FD048693.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 8:37:03 AM	Ankita	11/12/2024 10:06:49	Peak Integrated by Software
P4721-03DL	FD048693.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 8:37:03 AM	Ankita	11/12/2024 10:06:49	Peak Integrated by Software
P4721-03DL	FD048693.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:37:03 AM	Ankita	11/12/2024 10:06:49	Peak Integrated by Software
P4721-04DL	FD048694.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 8:37:05 AM	Ankita	11/12/2024 10:06:50	Peak Integrated by Software
P4721-04DL	FD048694.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 8:37:05 AM	Ankita	11/12/2024 10:06:50	Peak Integrated by Software
P4721-04DL	FD048694.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:37:05 AM	Ankita	11/12/2024 10:06:50	Peak Integrated by Software
P4721-04DL2	FD048695.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 8:37:06 AM	Ankita	11/12/2024 10:06:52	Peak Integrated by Software
P4721-04DL2	FD048695.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 8:37:06 AM	Ankita	11/12/2024 10:06:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD111124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4721-04DL2	FD048695.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:37:06 AM	Ankita	11/12/2024 10:06:52	Peak Integrated by Software
PB164847BS	FD048699.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/12/2024 8:37:08 AM	Ankita	11/12/2024 10:06:53	Peak Integrated by Software
PB164847BS	FD048699.D	Fluoranthene (C21.85)	yogesh	11/12/2024 8:37:08 AM	Ankita	11/12/2024 10:06:53	Peak Integrated by Software
PB164847BSD	FD048700.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/12/2024 8:37:10 AM	Ankita	11/12/2024 10:06:55	Peak Integrated by Software
PB164847BSD	FD048700.D	Fluoranthene (C21.85)	yogesh	11/12/2024 8:37:10 AM	Ankita	11/12/2024 10:06:55	Peak Integrated by Software
P4791-02	FD048702.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 8:37:12 AM	Ankita	11/12/2024 10:06:56	Peak Integrated by Software
P4791-02	FD048702.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 8:37:12 AM	Ankita	11/12/2024 10:06:56	Peak Integrated by Software
P4791-02	FD048702.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:37:12 AM	Ankita	11/12/2024 10:06:56	Peak Integrated by Software
P4792-04	FD048703.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:37:14 AM	Ankita	11/12/2024 10:06:58	Peak Integrated by Software
20 PPM AROMATIC HC	FD048705.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/12/2024 8:37:15 AM	Ankita	11/12/2024 10:06:59	Peak Integrated by Software
20 PPM AROMATIC HC	FD048705.D	Chrysene (C27.41)	yogesh	11/12/2024 8:37:15 AM	Ankita	11/12/2024 10:06:59	Peak Integrated by Software
20 PPM AROMATIC HC	FD048705.D	Dibenz[a,h]anthracene (C30.36)	yogesh	11/12/2024 8:37:15 AM	Ankita	11/12/2024 10:06:59	Peak Integrated by Software
20 PPM AROMATIC HC	FD048705.D	Phenanthrene (C19.36)	yogesh	11/12/2024 8:37:15 AM	Ankita	11/12/2024 10:06:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD111124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FE110724AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM ALIPHATIC HC	FE051078.D	A~2-methylnaphthalene (C12.89)	yogesh	11/7/2024 8:51:03 AM	Ankita	11/7/2024 8:56:20	Peak Integrated by Software
5 PPM ALIPHATIC HC	FE051079.D	n-Tetracontane (C40)	yogesh	11/7/2024 8:51:04 AM	Ankita	11/7/2024 8:56:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE110924AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE051106.D	n-Octatriacontane (C38)	yogesh	11/11/2024 9:23:17 AM	Ankita	11/11/2024 9:51:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE051106.D	n-Tetracontane (C40)	yogesh	11/11/2024 9:23:17 AM	Ankita	11/11/2024 9:51:50	Peak Integrated by Software
P4739-01DL	FE051112.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:19 AM	Ankita	11/11/2024 9:51:52	Peak Integrated by Software
P4739-02DL	FE051113.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:20 AM	Ankita	11/11/2024 9:51:53	Peak Integrated by Software
P4739-02DL	FE051113.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:23:20 AM	Ankita	11/11/2024 9:51:53	Peak Integrated by Software
P4739-02DL2	FE051114.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:22 AM	Ankita	11/11/2024 9:51:55	Peak Integrated by Software
P4739-05DL	FE051117.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:23 AM	Ankita	11/11/2024 9:51:56	Peak Integrated by Software
P4739-05DL	FE051117.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:23:23 AM	Ankita	11/11/2024 9:51:56	Peak Integrated by Software
P4739-06DL	FE051122.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:25 AM	Ankita	11/11/2024 9:51:57	Peak Integrated by Software
P4721-06	FE051128.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:27 AM	Ankita	11/11/2024 9:51:59	Peak Integrated by Software
P4721-07	FE051129.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:29 AM	Ankita	11/11/2024 9:52:00	Peak Integrated by Software
P4721-05	FE051132.D	1-chlorooctadecane (SURR)	yogesh	11/11/2024 9:23:30 AM	Ankita	11/11/2024 9:52:03	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE110924AL	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:	FE111124AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE051137.D	n-Hexatriacontane (C36)	yogesh	11/12/2024 8:35:57 AM	Ankita	11/12/2024 10:06:09	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE051137.D	n-Tricontane (C30)	yogesh	11/12/2024 8:35:57 AM	Ankita	11/12/2024 10:06:09	Peak Integrated by Software
P4721-03DL	FE051138.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:35:59 AM	Ankita	11/12/2024 10:06:11	Peak Integrated by Software
P4721-04DL	FE051139.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:36:00 AM	Ankita	11/12/2024 10:06:13	Peak Integrated by Software
P4721-04DL2	FE051140.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:36:02 AM	Ankita	11/12/2024 10:06:14	Peak Integrated by Software
P4721-06DL	FE051141.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:36:04 AM	Ankita	11/12/2024 10:06:16	Peak Integrated by Software
P4721-07DL	FE051142.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:36:05 AM	Ankita	11/12/2024 10:06:17	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE051146.D	A~2-methylnaphthalene (C12.89)	yogesh	11/12/2024 8:36:07 AM	Ankita	11/12/2024 10:06:18	Peak Integrated by Software
P4798-01	FE051156.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:36:09 AM	Ankita	11/12/2024 10:06:20	Peak Integrated by Software
P4798-02	FE051157.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 8:36:10 AM	Ankita	11/12/2024 10:06:21	Peak Integrated by Software
P4792-03	FE051158.D	1-chlorooctadecane (SURR)	yogesh	11/12/2024 8:36:12 AM	Ankita	11/12/2024 10:06:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF110724AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FF014962.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/8/2024 9:27:55 AM	Ankita	11/8/2024 10:01:02	Peak Integrated by Software
100 PPM AROMATIC HC	FF014962.D	Dibenz[a,h]anthracene (C30.36)	yogesh	11/8/2024 9:27:55 AM	Ankita	11/8/2024 10:01:02	Peak Integrated by Software
100 PPM AROMATIC HC	FF014962.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	11/8/2024 9:27:55 AM	Ankita	11/8/2024 10:01:02	Peak Integrated by Software
20 PPM AROMATIC HC	FF014967.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	11/8/2024 9:27:56 AM	Ankita	11/8/2024 10:01:04	Peak Integrated by Software
20 PPM AROMATIC HC	FF014969.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	11/8/2024 9:27:58 AM	Ankita	11/8/2024 10:01:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF110824AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FF014972.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:43 AM	Ankita	11/11/2024 9:55:53	Peak Integrated by Software
P4721-07	FF014977.D	2-Bromonaphthalene (SURR)	yogesh	11/11/2024 9:24:44 AM	Ankita	11/11/2024 9:55:55	Peak Integrated by Software
P4721-07	FF014977.D	2-Flurobiphenyl (SURR)	yogesh	11/11/2024 9:24:44 AM	Ankita	11/11/2024 9:55:55	Peak Integrated by Software
P4721-07	FF014977.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:44 AM	Ankita	11/11/2024 9:55:55	Peak Integrated by Software
P4721-12	FF014982.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:46 AM	Ankita	11/11/2024 9:55:56	Peak Integrated by Software
P4721-05	FF014985.D	2-Bromonaphthalene (SURR)	yogesh	11/11/2024 9:24:48 AM	Ankita	11/11/2024 9:55:58	Peak Integrated by Software
P4721-05	FF014985.D	2-Flurobiphenyl (SURR)	yogesh	11/11/2024 9:24:48 AM	Ankita	11/11/2024 9:55:58	Peak Integrated by Software
P4721-05	FF014985.D	ortho-Terphenyl (SURR)	yogesh	11/11/2024 9:24:48 AM	Ankita	11/11/2024 9:55:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF111124AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4721-07DL	FF014992.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 9:06:58 AM	Ankita	11/12/2024 10:05:45	Peak Integrated by Software
P4721-07DL	FF014992.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 9:06:58 AM	Ankita	11/12/2024 10:05:45	Peak Integrated by Software
P4721-07DL	FF014992.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 9:06:58 AM	Ankita	11/12/2024 10:05:45	Peak Integrated by Software
P4721-07DL2	FF014993.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 9:07:00 AM	Ankita	11/12/2024 10:05:47	Peak Integrated by Software
P4721-07DL2	FF014993.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 9:07:00 AM	Ankita	11/12/2024 10:05:47	Peak Integrated by Software
P4721-07DL2	FF014993.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 9:07:00 AM	Ankita	11/12/2024 10:05:47	Peak Integrated by Software
P4721-14DL	FF014994.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 9:07:01 AM	Ankita	11/12/2024 10:05:48	Peak Integrated by Software
P4721-14DL2	FF014995.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 9:07:03 AM	Ankita	11/12/2024 10:05:50	Peak Integrated by Software
P4721-05DL	FF014996.D	2-Bromonaphthalene (SURR)	yogesh	11/12/2024 9:07:05 AM	Ankita	11/12/2024 10:05:52	Peak Integrated by Software
P4721-05DL	FF014996.D	2-Flurobiphenyl (SURR)	yogesh	11/12/2024 9:07:05 AM	Ankita	11/12/2024 10:05:52	Peak Integrated by Software
P4721-05DL	FF014996.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 9:07:05 AM	Ankita	11/12/2024 10:05:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG102124AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FG110824AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FG111124AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164844BS	FG014729.D	n-Decane (C10)	yogesh	11/12/2024 9:07:22 AM	Ankita	11/12/2024 10:05:24	Peak Integrated by Software
PB164844BS	FG014729.D	n-Eicosane (C20)	yogesh	11/12/2024 9:07:22 AM	Ankita	11/12/2024 10:05:24	Peak Integrated by Software
PB164844BS	FG014729.D	n-Tetracosane (C24)	yogesh	11/12/2024 9:07:22 AM	Ankita	11/12/2024 10:05:24	Peak Integrated by Software
PB164844BSD	FG014730.D	n-Decane (C10)	yogesh	11/12/2024 9:07:23 AM	Ankita	11/12/2024 10:05:26	Peak Integrated by Software
PB164844BSD	FG014730.D	n-Eicosane (C20)	yogesh	11/12/2024 9:07:23 AM	Ankita	11/12/2024 10:05:26	Peak Integrated by Software
PB164844BSD	FG014730.D	n-Tetracosane (C24)	yogesh	11/12/2024 9:07:23 AM	Ankita	11/12/2024 10:05:26	Peak Integrated by Software
P4756-01MS	FG014733.D	n-Decane (C10)	yogesh	11/12/2024 9:07:25 AM	Ankita	11/12/2024 10:05:27	Peak Integrated by Software
P4756-01MS	FG014733.D	n-Eicosane (C20)	yogesh	11/12/2024 9:07:25 AM	Ankita	11/12/2024 10:05:27	Peak Integrated by Software
P4756-01MS	FG014733.D	n-Octacosane (C28)	yogesh	11/12/2024 9:07:25 AM	Ankita	11/12/2024 10:05:27	Peak Integrated by Software
P4756-01MS	FG014733.D	n-Tetracosane (C24)	yogesh	11/12/2024 9:07:25 AM	Ankita	11/12/2024 10:05:27	Peak Integrated by Software
P4756-01MSD	FG014734.D	n-Decane (C10)	yogesh	11/12/2024 9:07:26 AM	Ankita	11/12/2024 10:05:29	Peak Integrated by Software
P4756-01MSD	FG014734.D	n-Eicosane (C20)	yogesh	11/12/2024 9:07:26 AM	Ankita	11/12/2024 10:05:29	Peak Integrated by Software
P4756-01MSD	FG014734.D	n-Octacosane (C28)	yogesh	11/12/2024 9:07:26 AM	Ankita	11/12/2024 10:05:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG111124AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4756-01MSD	FG014734.D	n-Tetracosane (C24)	yogesh	11/12/2024 9:07:26 AM	Ankita	11/12/2024 10:05:29	Peak Integrated by Software
P4756-02	FG014735.D	ortho-Terphenyl (SURR)	yogesh	11/12/2024 9:07:28 AM	Ankita	11/12/2024 10:05:30	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 # FC110824AL

Review By	yogesh	Review On	11/8/2024 1:23:09 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:02 AM		
SubDirectory	FC110824AL	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	FC067667.D	08 Nov 2024 10:14	YP/AJ	Ok
2	I.BLK	FC067668.D	08 Nov 2024 12:41	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067669.D	08 Nov 2024 13:17	YP/AJ	Ok
4	PB164790BL	FC067670.D	08 Nov 2024 16:19	YP/AJ	Ok
5	PB164790BS	FC067671.D	08 Nov 2024 16:55	YP/AJ	Ok
6	PB164790BSD	FC067672.D	08 Nov 2024 17:32	YP/AJ	Ok
7	P4718-01	FC067673.D	08 Nov 2024 18:08	YP/AJ	Ok
8	P4718-01D	FC067674.D	08 Nov 2024 18:45	YP/AJ	Ok
9	P4718-01MS	FC067675.D	08 Nov 2024 19:21	YP/AJ	Ok
10	P4718-01MSD	FC067676.D	08 Nov 2024 19:57	YP/AJ	Ok
11	P4718-02	FC067677.D	08 Nov 2024 20:33	YP/AJ	Ok
12	P4771-05	FC067678.D	08 Nov 2024 21:10	YP/AJ	Dilution
13	P4771-07	FC067679.D	08 Nov 2024 21:46	YP/AJ	Ok
14	P4721-01	FC067680.D	08 Nov 2024 22:23	YP/AJ	Dilution
15	P4721-02	FC067681.D	08 Nov 2024 23:00	YP/AJ	Dilution
16	I.BLK	FC067682.D	08 Nov 2024 23:37	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC067683.D	09 Nov 2024 00:50	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111124AL

Review By	yogesh	Review On	11/11/2024 11:19:51 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:07:32 AM		
SubDirectory	FC111124AL	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	FC067684.D	11 Nov 2024 07:57	YP/AJ	Ok
2	I.BLK	FC067685.D	11 Nov 2024 08:33	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067686.D	11 Nov 2024 09:10	YP/AJ	Ok
4	P4771-05DL	FC067687.D	11 Nov 2024 09:48	YP/AJ	Ok
5	P4721-01DL	FC067688.D	11 Nov 2024 10:25	YP/AJ	Dilution
6	P4721-01DL2	FC067689.D	11 Nov 2024 11:02	YP/AJ	Ok
7	P4721-02DL	FC067690.D	11 Nov 2024 11:39	YP/AJ	Dilution
8	P4721-02DL2	FC067691.D	11 Nov 2024 12:15	YP/AJ	Ok,M
9	I.BLK	FC067692.D	11 Nov 2024 13:29	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067693.D	11 Nov 2024 14:05	YP/AJ	Ok
11	PB164847BL	FC067694.D	11 Nov 2024 15:19	YP/AJ	Ok
12	PB164847BS	FC067695.D	11 Nov 2024 15:56	YP/AJ	Ok
13	PB164847BSD	FC067696.D	11 Nov 2024 16:33	YP/AJ	Ok
14	P4718-04	FC067697.D	11 Nov 2024 17:10	YP/AJ	Ok
15	P4791-02	FC067698.D	11 Nov 2024 17:47	YP/AJ	Dilution
16	P4792-04	FC067699.D	11 Nov 2024 18:23	YP/AJ	Dilution
17	P4792-04	FC067699.D	11 Nov 2024 18:23	YP/AJ	Dilution
18	I.BLK	FC067700.D	12 Nov 2024 00:32	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC067701.D	12 Nov 2024 01:09	YP/AJ	Ok,M

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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 # FD110824AR

Review By	yogesh	Review On	11/8/2024 1:24:18 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:33 AM		
SubDirectory	FD110824AR	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	FD048667.D	08 Nov 2024 10:14	YP/AJ	Ok
2	I.BLK	FD048668.D	08 Nov 2024 10:51	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048669.D	08 Nov 2024 11:28	YP/AJ	Ok,M
4	PP23948	FD048670.D	08 Nov 2024 12:05	YP/AJ	Ok
5	I.BLK	FD048671.D	08 Nov 2024 12:41	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD048672.D	08 Nov 2024 13:17	YP/AJ	Ok
7	PB164790BL	FD048673.D	08 Nov 2024 16:19	YP/AJ	Ok
8	PB164790BS	FD048674.D	08 Nov 2024 16:55	YP/AJ	Ok,M
9	PB164790BSD	FD048675.D	08 Nov 2024 17:32	YP/AJ	Ok,M
10	P4718-01	FD048676.D	08 Nov 2024 18:08	YP/AJ	Ok
11	P4718-01D	FD048677.D	08 Nov 2024 18:45	YP/AJ	Ok
12	P4718-01MS	FD048678.D	08 Nov 2024 19:21	YP/AJ	Ok,M
13	P4718-01MSD	FD048679.D	08 Nov 2024 19:57	YP/AJ	Ok,M
14	P4718-02	FD048680.D	08 Nov 2024 20:33	YP/AJ	Ok
15	P4721-01	FD048681.D	08 Nov 2024 21:10	YP/AJ	Dilution
16	P4721-02	FD048682.D	08 Nov 2024 21:46	YP/AJ	Dilution
17	P4721-03	FD048683.D	08 Nov 2024 22:23	YP/AJ	Dilution
18	P4721-04	FD048684.D	08 Nov 2024 23:00	YP/AJ	Dilution
19	I.BLK	FD048685.D	08 Nov 2024 23:37	YP/AJ	Ok
20	20 PPM AROMATIC HC STD	FD048686.D	09 Nov 2024 00:50	YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111124AR

Review By	yogesh	Review On	11/11/2024 11:20:54 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:07:09 AM		
SubDirectory	FD111124AR	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	FD048687.D	11 Nov 2024 07:57	YP/AJ	Ok
2	I.BLK	FD048688.D	11 Nov 2024 08:33	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048689.D	11 Nov 2024 09:10	YP/AJ	Ok
4	P4721-06	FD048690.D	11 Nov 2024 09:48	YP/AJ	Ok
5	P4721-01DL	FD048691.D	11 Nov 2024 10:25	YP/AJ	Ok,M
6	P4721-02DL	FD048692.D	11 Nov 2024 11:02	YP/AJ	Ok,M
7	P4721-03DL	FD048693.D	11 Nov 2024 11:39	YP/AJ	Ok,M
8	P4721-04DL	FD048694.D	11 Nov 2024 12:15	YP/AJ	Dilution
9	P4721-04DL2	FD048695.D	11 Nov 2024 12:52	YP/AJ	Ok,M
10	I.BLK	FD048696.D	11 Nov 2024 14:05	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FD048697.D	11 Nov 2024 14:42	YP/AJ	Ok
12	PB164847BL	FD048698.D	11 Nov 2024 15:19	YP/AJ	Ok
13	PB164847BS	FD048699.D	11 Nov 2024 15:56	YP/AJ	Ok,M
14	PB164847BSD	FD048700.D	11 Nov 2024 16:33	YP/AJ	Ok,M
15	P4718-04	FD048701.D	11 Nov 2024 17:10	YP/AJ	Ok
16	P4791-02	FD048702.D	11 Nov 2024 17:47	YP/AJ	Dilution
17	P4792-04	FD048703.D	11 Nov 2024 18:23	YP/AJ	Dilution
18	P4792-04	FD048703.D	11 Nov 2024 18:23	YP/AJ	Dilution
19	I.BLK	FD048704.D	12 Nov 2024 00:32	YP/AJ	Ok
20	20 PPM AROMATIC HC STD	FD048705.D	12 Nov 2024 01:09	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110724AL

Review By	yogesh	Review On	11/6/2024 3:54:26 PM		
Supervise By	Ankita	Supervise On	11/7/2024 8:56:25 AM		
SubDirectory	FE110724AL	HP Acquire Method		HP Processing Method	FE110724AL

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	FE051073.D	06 Nov 2024 15:51	YP\AJ	Ok
2	I.BLK	FE051074.D	06 Nov 2024 16:21	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE051075.D	06 Nov 2024 16:52	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE051076.D	06 Nov 2024 17:22	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE051077.D	06 Nov 2024 17:52	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE051078.D	06 Nov 2024 18:22	YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FE051079.D	06 Nov 2024 18:53	YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FE051080.D	06 Nov 2024 19:23	YP\AJ	Ok
9	I.BLK	FE051081.D	06 Nov 2024 20:23	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE051082.D	06 Nov 2024 20:54	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110924AL

Review By	yogesh	Review On	11/8/2024 10:15:00 AM		
Supervise By	Ankita	Supervise On	11/11/2024 9:52:08 AM		
SubDirectory	FE110924AL	HP Acquire Method		HP Processing Method	FE110724AL

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	FE051104.D	08 Nov 2024 04:17	YP\AJ	Ok
2	I.BLK	FE051105.D	08 Nov 2024 04:47	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE051106.D	08 Nov 2024 05:18	YP\AJ	Ok,M
4	P4722-03DL	FE051107.D	08 Nov 2024 08:06	YP\AJ	Ok
5	P4722-08DL	FE051108.D	08 Nov 2024 08:36	YP\AJ	Ok
6	P4722-13DL	FE051109.D	08 Nov 2024 09:06	YP\AJ	Ok
7	P4734-01DL	FE051110.D	08 Nov 2024 09:36	YP\AJ	Ok
8	P4734-02DL	FE051111.D	08 Nov 2024 10:06	YP\AJ	Ok
9	P4739-01DL	FE051112.D	08 Nov 2024 10:36	YP\AJ	Ok,M
10	P4739-02DL	FE051113.D	08 Nov 2024 11:06	YP\AJ	Dilution
11	P4739-02DL2	FE051114.D	08 Nov 2024 11:36	YP\AJ	Ok,M
12	I.BLK	FE051115.D	08 Nov 2024 12:37	YP\AJ	Ok
13	20 PPM ALIPHATIC HC STD	FE051116.D	08 Nov 2024 13:07	YP\AJ	Ok
14	P4739-05DL	FE051117.D	08 Nov 2024 13:37	YP\AJ	Ok,M
15	P4739-09DL	FE051118.D	08 Nov 2024 14:07	YP\AJ	Ok
16	P4739-10DL	FE051119.D	08 Nov 2024 14:37	YP\AJ	Ok
17	P4739-13DL	FE051120.D	08 Nov 2024 15:08	YP\AJ	Ok
18	P4739-14DL	FE051121.D	08 Nov 2024 15:38	YP\AJ	Ok
19	P4739-06DL	FE051122.D	08 Nov 2024 16:08	YP\AJ	Ok,M
20	I.BLK	FE051123.D	08 Nov 2024 17:08	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FE051124.D	08 Nov 2024 17:38	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110924AL

Review By	yogesh	Review On	11/8/2024 10:15:00 AM		
Supervise By	Ankita	Supervise On	11/11/2024 9:52:08 AM		
SubDirectory	FE110924AL	HP Acquire Method		HP Processing Method	FE110724AL

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	P4721-03	FE051125.D	08 Nov 2024 18:38	YP\AJ	Dilution
23	P4721-04	FE051126.D	08 Nov 2024 19:08	YP\AJ	Dilution
24	P4721-10	FE051127.D	08 Nov 2024 19:38	YP\AJ	Ok
25	P4721-06	FE051128.D	08 Nov 2024 20:08	YP\AJ	Dilution
26	P4721-07	FE051129.D	08 Nov 2024 20:38	YP\AJ	Dilution
27	P4721-08	FE051130.D	08 Nov 2024 21:08	YP\AJ	Ok
28	P4721-09	FE051131.D	08 Nov 2024 21:39	YP\AJ	Ok
29	P4721-05	FE051132.D	08 Nov 2024 22:09	YP\AJ	Dilution
30	I.BLK	FE051133.D	08 Nov 2024 23:39	YP\AJ	Ok
31	20 PPM ALIPHATIC HC STD	FE051134.D	09 Nov 2024 00:09	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111124AL

Review By	yogesh	Review On	11/11/2024 11:21:52 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:06:35 AM		
SubDirectory	FE111124AL	HP Acquire Method		HP Processing Method	FE110724AL

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	FE051135.D	11 Nov 2024 08:10	YP\AJ	Ok
2	I.BLK	FE051136.D	11 Nov 2024 08:40	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE051137.D	11 Nov 2024 09:11	YP\AJ	Ok,M
4	P4721-03DL	FE051138.D	11 Nov 2024 09:41	YP\AJ	Ok,M
5	P4721-04DL	FE051139.D	11 Nov 2024 10:11	YP\AJ	Dilution
6	P4721-04DL2	FE051140.D	11 Nov 2024 10:41	YP\AJ	Ok,M
7	P4721-06DL	FE051141.D	11 Nov 2024 11:11	YP\AJ	Ok,M
8	P4721-07DL	FE051142.D	11 Nov 2024 11:41	YP\AJ	Dilution
9	P4721-07DL2	FE051143.D	11 Nov 2024 12:11	YP\AJ	Ok
10	P4721-05DL	FE051144.D	11 Nov 2024 12:42	YP\AJ	Ok
11	I.BLK	FE051145.D	11 Nov 2024 13:42	YP\AJ	Ok
12	20 PPM ALIPHATIC HC STD	FE051146.D	11 Nov 2024 14:12	YP\AJ	Ok,M
13	P4795-01	FE051147.D	11 Nov 2024 14:42	YP\AJ	Ok
14	P4796-01	FE051148.D	11 Nov 2024 15:12	YP\AJ	Ok
15	P4796-02	FE051149.D	11 Nov 2024 15:42	YP\AJ	Ok
16	P4796-03	FE051150.D	11 Nov 2024 16:12	YP\AJ	Ok
17	P4796-04	FE051151.D	11 Nov 2024 16:43	YP\AJ	Ok
18	P4796-05	FE051152.D	11 Nov 2024 17:13	YP\AJ	Ok
19	P4796-06	FE051153.D	11 Nov 2024 17:43	YP\AJ	Ok
20	P4796-07	FE051154.D	11 Nov 2024 18:13	YP\AJ	Ok
21	P4796-08	FE051155.D	11 Nov 2024 18:43	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111124AL

Review By	yogesh	Review On	11/11/2024 11:21:52 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:06:35 AM		
SubDirectory	FE111124AL	HP Acquire Method		HP Processing Method	FE110724AL

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	P4798-01	FE051156.D	11 Nov 2024 19:13	YP\AJ	Dilution
23	P4798-02	FE051157.D	11 Nov 2024 19:43	YP\AJ	Dilution
24	P4792-03	FE051158.D	11 Nov 2024 20:13	YP\AJ	Dilution
25	P4793-01	FE051159.D	11 Nov 2024 20:44	YP\AJ	Dilution
26	I.BLK	FE051160.D	11 Nov 2024 21:44	YP\AJ	Ok
27	20 PPM ALIPHATIC HC STD	FE051161.D	11 Nov 2024 22:14	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF110724AR

Review By	yogesh	Review On	11/7/2024 4:37:31 PM		
Supervise By	Ankita	Supervise On	11/8/2024 10:01:09 AM		
SubDirectory	FF110724AR	HP Acquire Method		HP Processing Method	FF110724AR

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	FF014960.D	07 Nov 2024 16:53	YP\AJ	Ok
2	I.BLK	FF014961.D	07 Nov 2024 17:21	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FF014962.D	07 Nov 2024 17:49	YP\AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FF014963.D	07 Nov 2024 18:18	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FF014964.D	07 Nov 2024 18:46	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FF014965.D	07 Nov 2024 19:15	YP\AJ	Ok
7	5 PPM AROMATIC HC STD5	FF014966.D	07 Nov 2024 19:43	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FF014967.D	07 Nov 2024 20:11	YP\AJ	Ok,M
9	I.BLK	FF014968.D	07 Nov 2024 21:08	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF014969.D	07 Nov 2024 21:36	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF110824AR

Review By	yogesh	Review On	11/8/2024 2:49:13 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:56:02 AM		
SubDirectory	FF110824AR	HP Acquire Method		HP Processing Method	FF110724AR

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	FF014970.D	08 Nov 2024 12:20	YP\AJ	Ok
2	I.BLK	FF014971.D	08 Nov 2024 12:49	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF014972.D	08 Nov 2024 14:51	YP\AJ	Ok,M
4	P4771-05	FF014973.D	08 Nov 2024 16:34	YP\AJ	Dilution
5	P4771-07	FF014974.D	08 Nov 2024 17:02	YP\AJ	Ok
6	P4721-15	FF014975.D	08 Nov 2024 17:30	YP\AJ	Ok
7	P4721-06	FF014976.D	08 Nov 2024 17:59	YP\AJ	ReRun
8	P4721-07	FF014977.D	08 Nov 2024 18:27	YP\AJ	Dilution
9	P4721-08	FF014978.D	08 Nov 2024 18:55	YP\AJ	Ok
10	P4721-09	FF014979.D	08 Nov 2024 19:24	YP\AJ	Ok
11	P4721-10	FF014980.D	08 Nov 2024 19:52	YP\AJ	Ok
12	P4721-11	FF014981.D	08 Nov 2024 20:20	YP\AJ	Ok
13	P4721-12	FF014982.D	08 Nov 2024 20:49	YP\AJ	Ok,M
14	P4721-13	FF014983.D	08 Nov 2024 21:17	YP\AJ	Ok
15	P4721-14	FF014984.D	08 Nov 2024 21:45	YP\AJ	Dilution
16	P4721-05	FF014985.D	08 Nov 2024 22:14	YP\AJ	Dilution
17	I.BLK	FF014986.D	08 Nov 2024 22:42	YP\AJ	Ok
18	20 PPM AROMATIC HC STD	FF014987.D	08 Nov 2024 23:38	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF111124AR

Review By	yogesh	Review On	11/11/2024 11:23:05 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:05:55 AM		
SubDirectory	FF111124AR	HP Acquire Method		HP Processing Method	FF110724AR

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	FF014988.D	11 Nov 2024 08:39	YP\AJ	Ok
2	I.BLK	FF014989.D	11 Nov 2024 09:07	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF014990.D	11 Nov 2024 09:35	YP\AJ	Ok
4	P4771-05DL	FF014991.D	11 Nov 2024 10:22	YP\AJ	Ok
5	P4721-07DL	FF014992.D	11 Nov 2024 10:50	YP\AJ	Dilution
6	P4721-07DL2	FF014993.D	11 Nov 2024 11:18	YP\AJ	Ok,M
7	P4721-14DL	FF014994.D	11 Nov 2024 11:47	YP\AJ	Dilution
8	P4721-14DL2	FF014995.D	11 Nov 2024 12:15	YP\AJ	Ok,M
9	P4721-05DL	FF014996.D	11 Nov 2024 12:43	YP\AJ	Ok,M
10	I.BLK	FF014997.D	11 Nov 2024 13:40	YP\AJ	Ok
11	20 PPM AROMATIC HC STD	FF014998.D	11 Nov 2024 15:33	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG102124AL

Review By	yogesh	Review On	10/21/2024 4:07:24 PM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:41 AM		
SubDirectory	FG102124AL	HP Acquire Method		HP Processing Method	FG102124AL

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	FG014469.D	22 Oct 2024 00:00	YP\AJ	Ok
2	I.BLK	FG014470.D	22 Oct 2024 00:29	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG014471.D	22 Oct 2024 00:58	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG014472.D	22 Oct 2024 01:27	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG014473.D	22 Oct 2024 01:56	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG014474.D	22 Oct 2024 02:25	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG014475.D	22 Oct 2024 02:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG014476.D	22 Oct 2024 03:23	YP\AJ	Ok
9	I.BLK	FG014477.D	22 Oct 2024 04:21	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG014478.D	22 Oct 2024 04:50	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG110824AL

Review By	yogesh	Review On	11/8/2024 2:48:02 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:44 AM		
SubDirectory	FG110824AL	HP Acquire Method		HP Processing Method	FG102124AL

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	FG014710.D	08 Nov 2024 12:20	YP\AJ	Ok
2	I.BLK	FG014711.D	08 Nov 2024 12:49	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG014712.D	08 Nov 2024 14:51	YP\AJ	Ok
4	P4721-11	FG014713.D	08 Nov 2024 16:34	YP\AJ	Dilution
5	P4721-12	FG014714.D	08 Nov 2024 17:02	YP\AJ	Ok
6	P4721-13	FG014715.D	08 Nov 2024 17:30	YP\AJ	Ok
7	P4721-14	FG014716.D	08 Nov 2024 17:59	YP\AJ	Dilution
8	P4721-15	FG014717.D	08 Nov 2024 18:27	YP\AJ	Ok
9	I.BLK	FG014718.D	08 Nov 2024 19:24	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG014719.D	08 Nov 2024 19:52	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111124AL

Review By	yogesh	Review On	11/11/2024 11:24:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:05:37 AM		
SubDirectory	FG111124AL	HP Acquire Method		HP Processing Method	FG102124AL

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	FG014721.D	11 Nov 2024 08:39	YP\AJ	Ok
2	I.BLK	FG014722.D	11 Nov 2024 09:07	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG014723.D	11 Nov 2024 09:35	YP\AJ	Ok
4	P4721-11DL	FG014724.D	11 Nov 2024 10:22	YP\AJ	Ok
5	P4721-14DL	FG014725.D	11 Nov 2024 10:50	YP\AJ	Ok
6	I.BLK	FG014726.D	11 Nov 2024 11:47	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FG014727.D	11 Nov 2024 12:15	YP\AJ	Ok
8	PB164844BL	FG014728.D	11 Nov 2024 12:43	YP\AJ	Ok
9	PB164844BS	FG014729.D	11 Nov 2024 13:12	YP\AJ	Ok,M
10	PB164844BSD	FG014730.D	11 Nov 2024 13:40	YP\AJ	Ok,M
11	P4756-01	FG014731.D	11 Nov 2024 14:08	YP\AJ	Ok
12	P4756-01D	FG014732.D	11 Nov 2024 14:37	YP\AJ	Ok
13	P4756-01MS	FG014733.D	11 Nov 2024 15:05	YP\AJ	Ok,M
14	P4756-01MSD	FG014734.D	11 Nov 2024 15:33	YP\AJ	Ok,M
15	P4756-02	FG014735.D	11 Nov 2024 16:02	YP\AJ	Ok,M
16	P4788-01	FG014736.D	11 Nov 2024 16:30	YP\AJ	Ok
17	P4788-02	FG014737.D	11 Nov 2024 16:59	YP\AJ	Ok
18	P4789-01	FG014738.D	11 Nov 2024 17:27	YP\AJ	Ok
19	P4789-02	FG014739.D	11 Nov 2024 17:55	YP\AJ	Ok
20	I.BLK	FG014740.D	11 Nov 2024 18:52	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FG014741.D	11 Nov 2024 19:20	YP\AJ	Ok

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 # FC110824AL

Review By	yogesh	Review On	11/8/2024 1:23:09 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:02 AM		
SubDirectory	FC110824AL	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	FC067667.D	08 Nov 2024 10:14		YP/AJ	Ok
2	I.BLK	I.BLK	FC067668.D	08 Nov 2024 12:41		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067669.D	08 Nov 2024 13:17		YP/AJ	Ok
4	PB164790BL	PB164790BL	FC067670.D	08 Nov 2024 16:19		YP/AJ	Ok
5	PB164790BS	PB164790BS	FC067671.D	08 Nov 2024 16:55		YP/AJ	Ok
6	PB164790BSD	PB164790BSD	FC067672.D	08 Nov 2024 17:32		YP/AJ	Ok
7	P4718-01	WB-307-SB01	FC067673.D	08 Nov 2024 18:08		YP/AJ	Ok
8	P4718-01D	P4718-01D	FC067674.D	08 Nov 2024 18:45		YP/AJ	Ok
9	P4718-01MS	WB-307-SB01MS	FC067675.D	08 Nov 2024 19:21	FC067673.D	YP/AJ	Ok
10	P4718-01MSD	WB-307-SB01MSD	FC067676.D	08 Nov 2024 19:57	FC067673.D!FC067675.D	YP/AJ	Ok
11	P4718-02	WB-307-SB02	FC067677.D	08 Nov 2024 20:33		YP/AJ	Ok
12	P4771-05	P-1	FC067678.D	08 Nov 2024 21:10	need 2x dilution	YP/AJ	Dilution
13	P4771-07	P-2	FC067679.D	08 Nov 2024 21:46		YP/AJ	Ok
14	P4721-01	EX-2-TPH-1	FC067680.D	08 Nov 2024 22:23	need 50x & 200X dilution	YP/AJ	Dilution
15	P4721-02	EX-2-TPH-2	FC067681.D	08 Nov 2024 23:00	need 10x & 50X dilution	YP/AJ	Dilution
16	I.BLK	I.BLK	FC067682.D	08 Nov 2024 23:37		YP/AJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067683.D	09 Nov 2024 00:50		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111124AL

Review By	yogesh	Review On	11/11/2024 11:19:51 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:07:32 AM		
SubDirectory	FC111124AL	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	FC067684.D	11 Nov 2024 07:57		YP/AJ	Ok
2	I.BLK	I.BLK	FC067685.D	11 Nov 2024 08:33		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067686.D	11 Nov 2024 09:10		YP/AJ	Ok
4	P4771-05DL	P-1DL	FC067687.D	11 Nov 2024 09:48		YP/AJ	Ok
5	P4721-01DL	EX-2-TPH-1DL	FC067688.D	11 Nov 2024 10:25	need further dilution	YP/AJ	Dilution
6	P4721-01DL2	EX-2-TPH-1DL2	FC067689.D	11 Nov 2024 11:02		YP/AJ	Ok
7	P4721-02DL	EX-2-TPH-2DL	FC067690.D	11 Nov 2024 11:39	need further dilution	YP/AJ	Dilution
8	P4721-02DL2	EX-2-TPH-2DL2	FC067691.D	11 Nov 2024 12:15		YP/AJ	Ok,M
9	I.BLK	I.BLK	FC067692.D	11 Nov 2024 13:29		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067693.D	11 Nov 2024 14:05		YP/AJ	Ok
11	PB164847BL	PB164847BL	FC067694.D	11 Nov 2024 15:19		YP/AJ	Ok
12	PB164847BS	PB164847BS	FC067695.D	11 Nov 2024 15:56		YP/AJ	Ok
13	PB164847BSD	PB164847BSD	FC067696.D	11 Nov 2024 16:33		YP/AJ	Ok
14	P4718-04	WB-307-SW	FC067697.D	11 Nov 2024 17:10		YP/AJ	Ok
15	P4791-02	HINCHMAN-OILY-WAT	FC067698.D	11 Nov 2024 17:47	need 20x & 100x dilution	YP/AJ	Dilution
16	P4792-04	MANHOLE-WASTE-DR	FC067699.D	11 Nov 2024 18:23	need 20x & 100x dilution	YP/AJ	Dilution
17	P4792-04	MANHOLE-WASTE-DR	FC067699.D	11 Nov 2024 18:23	need 20x & 100x dilution	YP/AJ	Dilution
18	I.BLK	I.BLK	FC067700.D	12 Nov 2024 00:32		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111124AL

Review By	yogesh	Review On	11/11/2024 11:19:51 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:07:32 AM		
SubDirectory	FC111124AL	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	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067701.D	12 Nov 2024 01:09		YP/AJ	Ok,M

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 # FD110824AR

Review By	yogesh	Review On	11/8/2024 1:24:18 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:33 AM		
SubDirectory	FD110824AR	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	FD048667.D	08 Nov 2024 10:14		YP/AJ	Ok
2	I.BLK	I.BLK	FD048668.D	08 Nov 2024 10:51		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048669.D	08 Nov 2024 11:28		YP/AJ	Ok,M
4	PP23948	PP23948	FD048670.D	08 Nov 2024 12:05		YP/AJ	Ok
5	I.BLK	I.BLK	FD048671.D	08 Nov 2024 12:41		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048672.D	08 Nov 2024 13:17		YP/AJ	Ok
7	PB164790BL	PB164790BL	FD048673.D	08 Nov 2024 16:19		YP/AJ	Ok
8	PB164790BS	PB164790BS	FD048674.D	08 Nov 2024 16:55		YP/AJ	Ok,M
9	PB164790BSD	PB164790BSD	FD048675.D	08 Nov 2024 17:32		YP/AJ	Ok,M
10	P4718-01	WB-307-SB01	FD048676.D	08 Nov 2024 18:08		YP/AJ	Ok
11	P4718-01D	P4718-01D	FD048677.D	08 Nov 2024 18:45		YP/AJ	Ok
12	P4718-01MS	WB-307-SB01MS	FD048678.D	08 Nov 2024 19:21	FD048676.D	YP/AJ	Ok,M
13	P4718-01MSD	WB-307-SB01MSD	FD048679.D	08 Nov 2024 19:57	FD048676.D!FD048678.D	YP/AJ	Ok,M
14	P4718-02	WB-307-SB02	FD048680.D	08 Nov 2024 20:33		YP/AJ	Ok
15	P4721-01	EX-2-TPH-1	FD048681.D	08 Nov 2024 21:10	need 20x dilution	YP/AJ	Dilution
16	P4721-02	EX-2-TPH-2	FD048682.D	08 Nov 2024 21:46	need 10x dilution	YP/AJ	Dilution
17	P4721-03	EX-2-TPH-3	FD048683.D	08 Nov 2024 22:23	need 5x dilution	YP/AJ	Dilution
18	P4721-04	EX-11-TPH-1	FD048684.D	08 Nov 2024 23:00	need 5x & 20x dilution	YP/AJ	Dilution

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD110824AR

Review By	yogesh	Review On	11/8/2024 1:24:18 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:33 AM		
SubDirectory	FD110824AR	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	

19	I.BLK	I.BLK	FD048685.D	08 Nov 2024 23:37		YP/AJ	Ok
20	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048686.D	09 Nov 2024 00:50		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111124AR

Review By	yogesh	Review On	11/11/2024 11:20:54 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:07:09 AM		
SubDirectory	FD111124AR	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	FD048687.D	11 Nov 2024 07:57		YP/AJ	Ok
2	I.BLK	I.BLK	FD048688.D	11 Nov 2024 08:33		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048689.D	11 Nov 2024 09:10		YP/AJ	Ok
4	P4721-06	EX-11-TPH-3	FD048690.D	11 Nov 2024 09:48		YP/AJ	Ok
5	P4721-01DL	EX-2-TPH-1DL	FD048691.D	11 Nov 2024 10:25		YP/AJ	Ok,M
6	P4721-02DL	EX-2-TPH-2DL	FD048692.D	11 Nov 2024 11:02		YP/AJ	Ok,M
7	P4721-03DL	EX-2-TPH-3DL	FD048693.D	11 Nov 2024 11:39		YP/AJ	Ok,M
8	P4721-04DL	EX-11-TPH-1DL	FD048694.D	11 Nov 2024 12:15	need further dilution	YP/AJ	Dilution
9	P4721-04DL2	EX-11-TPH-1DL2	FD048695.D	11 Nov 2024 12:52		YP/AJ	Ok,M
10	I.BLK	I.BLK	FD048696.D	11 Nov 2024 14:05		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048697.D	11 Nov 2024 14:42		YP/AJ	Ok
12	PB164847BL	PB164847BL	FD048698.D	11 Nov 2024 15:19		YP/AJ	Ok
13	PB164847BS	PB164847BS	FD048699.D	11 Nov 2024 15:56		YP/AJ	Ok,M
14	PB164847BSD	PB164847BSD	FD048700.D	11 Nov 2024 16:33		YP/AJ	Ok,M
15	P4718-04	WB-307-SW	FD048701.D	11 Nov 2024 17:10		YP/AJ	Ok
16	P4791-02	HINCHMAN-OILY-WAT	FD048702.D	11 Nov 2024 17:47	need 10x dilution	YP/AJ	Dilution
17	P4792-04	MANHOLE-WASTE-DR	FD048703.D	11 Nov 2024 18:23	need 2x & 20X dilution	YP/AJ	Dilution
18	P4792-04	MANHOLE-WASTE-DR	FD048703.D	11 Nov 2024 18:23	need 2x & 20X dilution	YP/AJ	Dilution

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111124AR

Review By	yogesh	Review On	11/11/2024 11:20:54 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:07:09 AM		
SubDirectory	FD111124AR	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	

19	I.BLK	I.BLK	FD048704.D	12 Nov 2024 00:32		YP/AJ	Ok
20	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048705.D	12 Nov 2024 01:09		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110724AL

Review By	yogesh	Review On	11/6/2024 3:54:26 PM		
Supervise By	Ankita	Supervise On	11/7/2024 8:56:25 AM		
SubDirectory	FE110724AL	HP Acquire Method		HP Processing Method	FE110724AL

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	FE051073.D	06 Nov 2024 15:51		YP\AJ	Ok
2	I.BLK	I.BLK	FE051074.D	06 Nov 2024 16:21		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE051075.D	06 Nov 2024 16:52		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE051076.D	06 Nov 2024 17:22		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051077.D	06 Nov 2024 17:52		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE051078.D	06 Nov 2024 18:22		YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE051079.D	06 Nov 2024 18:53		YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051080.D	06 Nov 2024 19:23		YP\AJ	Ok
9	I.BLK	I.BLK	FE051081.D	06 Nov 2024 20:23		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051082.D	06 Nov 2024 20:54		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110924AL

Review By	yogesh	Review On	11/8/2024 10:15:00 AM		
Supervise By	Ankita	Supervise On	11/11/2024 9:52:08 AM		
SubDirectory	FE110924AL	HP Acquire Method		HP Processing Method	FE110724AL

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	FE051104.D	08 Nov 2024 04:17		YP\AJ	Ok
2	I.BLK	I.BLK	FE051105.D	08 Nov 2024 04:47		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051106.D	08 Nov 2024 05:18		YP\AJ	Ok,M
4	P4722-03DL	WC-1(0-6)DL	FE051107.D	08 Nov 2024 08:06		YP\AJ	Ok
5	P4722-08DL	WC-2(0-6)DL	FE051108.D	08 Nov 2024 08:36		YP\AJ	Ok
6	P4722-13DL	WC-3(0-6)DL	FE051109.D	08 Nov 2024 09:06		YP\AJ	Ok
7	P4734-01DL	EO-03-11062024DL	FE051110.D	08 Nov 2024 09:36		YP\AJ	Ok
8	P4734-02DL	EO-03-11062024-E2DL	FE051111.D	08 Nov 2024 10:06		YP\AJ	Ok
9	P4739-01DL	TP-14DL	FE051112.D	08 Nov 2024 10:36		YP\AJ	Ok,M
10	P4739-02DL	TP-14-EPHDL	FE051113.D	08 Nov 2024 11:06	need further dilution	YP\AJ	Dilution
11	P4739-02DL2	TP-14-EPHDL2	FE051114.D	08 Nov 2024 11:36		YP\AJ	Ok,M
12	I.BLK	I.BLK	FE051115.D	08 Nov 2024 12:37		YP\AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051116.D	08 Nov 2024 13:07		YP\AJ	Ok
14	P4739-05DL	BP-G2DL	FE051117.D	08 Nov 2024 13:37		YP\AJ	Ok,M
15	P4739-09DL	BP-B2DL	FE051118.D	08 Nov 2024 14:07		YP\AJ	Ok
16	P4739-10DL	BP-B2-EPHDL	FE051119.D	08 Nov 2024 14:37		YP\AJ	Ok
17	P4739-13DL	TP-11DL	FE051120.D	08 Nov 2024 15:08		YP\AJ	Ok
18	P4739-14DL	TP-11-EPHDL	FE051121.D	08 Nov 2024 15:38		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE110924AL

Review By	yogesh	Review On	11/8/2024 10:15:00 AM		
Supervise By	Ankita	Supervise On	11/11/2024 9:52:08 AM		
SubDirectory	FE110924AL	HP Acquire Method		HP Processing Method	FE110724AL

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	P4739-06DL	BP-G2-EPHDL	FE051122.D	08 Nov 2024 16:08		YP\AJ	Ok,M
20	I.BLK	I.BLK	FE051123.D	08 Nov 2024 17:08		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051124.D	08 Nov 2024 17:38		YP\AJ	Ok
22	P4721-03	EX-2-TPH-3	FE051125.D	08 Nov 2024 18:38	need 20x dilution	YP\AJ	Dilution
23	P4721-04	EX-11-TPH-1	FE051126.D	08 Nov 2024 19:08	need 10x & 50x dilution	YP\AJ	Dilution
24	P4721-10	EX-9-TPH-3	FE051127.D	08 Nov 2024 19:38		YP\AJ	Ok
25	P4721-06	EX-11-TPH-3	FE051128.D	08 Nov 2024 20:08	need 2x dilution	YP\AJ	Dilution
26	P4721-07	EX-11-TPH-4	FE051129.D	08 Nov 2024 20:38	need 20x & 100x dilution	YP\AJ	Dilution
27	P4721-08	EX-9-TPH-1	FE051130.D	08 Nov 2024 21:08		YP\AJ	Ok
28	P4721-09	EX-9-TPH-2	FE051131.D	08 Nov 2024 21:39		YP\AJ	Ok
29	P4721-05	EX-11-TPH-2	FE051132.D	08 Nov 2024 22:09	need further 50x dilution	YP\AJ	Dilution
30	I.BLK	I.BLK	FE051133.D	08 Nov 2024 23:39		YP\AJ	Ok
31	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051134.D	09 Nov 2024 00:09		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111124AL

Review By	yogesh	Review On	11/11/2024 11:21:52 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:06:35 AM		
SubDirectory	FE111124AL	HP Acquire Method		HP Processing Method	FE110724AL

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	FE051135.D	11 Nov 2024 08:10		YP\AJ	Ok
2	I.BLK	I.BLK	FE051136.D	11 Nov 2024 08:40		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051137.D	11 Nov 2024 09:11		YP\AJ	Ok,M
4	P4721-03DL	EX-2-TPH-3DL	FE051138.D	11 Nov 2024 09:41		YP\AJ	Ok,M
5	P4721-04DL	EX-11-TPH-1DL	FE051139.D	11 Nov 2024 10:11	need further dilution	YP\AJ	Dilution
6	P4721-04DL2	EX-11-TPH-1DL2	FE051140.D	11 Nov 2024 10:41		YP\AJ	Ok,M
7	P4721-06DL	EX-11-TPH-3DL	FE051141.D	11 Nov 2024 11:11		YP\AJ	Ok,M
8	P4721-07DL	EX-11-TPH-4DL	FE051142.D	11 Nov 2024 11:41	need further dilution	YP\AJ	Dilution
9	P4721-07DL2	EX-11-TPH-4DL2	FE051143.D	11 Nov 2024 12:11		YP\AJ	Ok
10	P4721-05DL	EX-11-TPH-2DL	FE051144.D	11 Nov 2024 12:42		YP\AJ	Ok
11	I.BLK	I.BLK	FE051145.D	11 Nov 2024 13:42		YP\AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051146.D	11 Nov 2024 14:12		YP\AJ	Ok,M
13	P4795-01	LAW-23-00189	FE051147.D	11 Nov 2024 14:42		YP\AJ	Ok
14	P4796-01	TP-1	FE051148.D	11 Nov 2024 15:12		YP\AJ	Ok
15	P4796-02	TP-1	FE051149.D	11 Nov 2024 15:42		YP\AJ	Ok
16	P4796-03	TP-2	FE051150.D	11 Nov 2024 16:12		YP\AJ	Ok
17	P4796-04	TP-2	FE051151.D	11 Nov 2024 16:43		YP\AJ	Ok
18	P4796-05	TP-3	FE051152.D	11 Nov 2024 17:13		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE111124AL

Review By	yogesh	Review On	11/11/2024 11:21:52 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:06:35 AM		
SubDirectory	FE111124AL	HP Acquire Method		HP Processing Method	FE110724AL

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	P4796-06	TP-3	FE051153.D	11 Nov 2024 17:43		YP\AJ	Ok
20	P4796-07	TP-4	FE051154.D	11 Nov 2024 18:13		YP\AJ	Ok
21	P4796-08	TP-4	FE051155.D	11 Nov 2024 18:43		YP\AJ	Ok
22	P4798-01	MH-6	FE051156.D	11 Nov 2024 19:13	need 5x dilution	YP\AJ	Dilution
23	P4798-02	MH-6-EPH	FE051157.D	11 Nov 2024 19:43	need 5x dilution	YP\AJ	Dilution
24	P4792-03	OILY-STONE-DRUM	FE051158.D	11 Nov 2024 20:13	need 10x dilution	YP\AJ	Dilution
25	P4793-01	M00-24-00345	FE051159.D	11 Nov 2024 20:44	need 500x dilution	YP\AJ	Dilution
26	I.BLK	I.BLK	FE051160.D	11 Nov 2024 21:44		YP\AJ	Ok
27	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE051161.D	11 Nov 2024 22:14		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF110724AR

Review By	yogesh	Review On	11/7/2024 4:37:31 PM		
Supervise By	Ankita	Supervise On	11/8/2024 10:01:09 AM		
SubDirectory	FF110724AR	HP Acquire Method		HP Processing Method	FF110724AR

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	FF014960.D	07 Nov 2024 16:53		YP\AJ	Ok
2	I.BLK	I.BLK	FF014961.D	07 Nov 2024 17:21		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FF014962.D	07 Nov 2024 17:49		YP\AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FF014963.D	07 Nov 2024 18:18		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014964.D	07 Nov 2024 18:46		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FF014965.D	07 Nov 2024 19:15		YP\AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FF014966.D	07 Nov 2024 19:43		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014967.D	07 Nov 2024 20:11		YP\AJ	Ok,M
9	I.BLK	I.BLK	FF014968.D	07 Nov 2024 21:08		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014969.D	07 Nov 2024 21:36		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF110824AR

Review By	yogesh	Review On	11/8/2024 2:49:13 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:56:02 AM		
SubDirectory	FF110824AR	HP Acquire Method		HP Processing Method	FF110724AR

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	FF014970.D	08 Nov 2024 12:20		YP\AJ	Ok
2	I.BLK	I.BLK	FF014971.D	08 Nov 2024 12:49		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014972.D	08 Nov 2024 14:51		YP\AJ	Ok,M
4	P4771-05	P-1	FF014973.D	08 Nov 2024 16:34	need 2x dilution	YP\AJ	Dilution
5	P4771-07	P-2	FF014974.D	08 Nov 2024 17:02		YP\AJ	Ok
6	P4721-15	EX-9-TPH-8	FF014975.D	08 Nov 2024 17:30		YP\AJ	Ok
7	P4721-06	P4721-06	FF014976.D	08 Nov 2024 17:59	surrogate fail	YP\AJ	ReRun
8	P4721-07	EX-11-TPH-4	FF014977.D	08 Nov 2024 18:27	need 5x & 20x dilution	YP\AJ	Dilution
9	P4721-08	EX-9-TPH-1	FF014978.D	08 Nov 2024 18:55		YP\AJ	Ok
10	P4721-09	EX-9-TPH-2	FF014979.D	08 Nov 2024 19:24		YP\AJ	Ok
11	P4721-10	EX-9-TPH-3	FF014980.D	08 Nov 2024 19:52		YP\AJ	Ok
12	P4721-11	EX-9-TPH-4	FF014981.D	08 Nov 2024 20:20		YP\AJ	Ok
13	P4721-12	EX-9-TPH-5	FF014982.D	08 Nov 2024 20:49		YP\AJ	Ok,M
14	P4721-13	EX-9-TPH-6	FF014983.D	08 Nov 2024 21:17		YP\AJ	Ok
15	P4721-14	EX-9-TPH-7	FF014984.D	08 Nov 2024 21:45	need 2x & 50x dilution	YP\AJ	Dilution
16	P4721-05	EX-11-TPH-2	FF014985.D	08 Nov 2024 22:14	further 5x dilution	YP\AJ	Dilution
17	I.BLK	I.BLK	FF014986.D	08 Nov 2024 22:42		YP\AJ	Ok
18	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014987.D	08 Nov 2024 23:38		YP\AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF110824AR

Review By	yogesh	Review On	11/8/2024 2:49:13 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:56:02 AM		
SubDirectory	FF110824AR	HP Acquire Method		HP Processing Method	FF110724AR

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	

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF111124AR

Review By	yogesh	Review On	11/11/2024 11:23:05 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:05:55 AM		
SubDirectory	FF111124AR	HP Acquire Method		HP Processing Method	FF110724AR

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	FF014988.D	11 Nov 2024 08:39		YP\AJ	Ok
2	I.BLK	I.BLK	FF014989.D	11 Nov 2024 09:07		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014990.D	11 Nov 2024 09:35		YP\AJ	Ok
4	P4771-05DL	P-1DL	FF014991.D	11 Nov 2024 10:22		YP\AJ	Ok
5	P4721-07DL	EX-11-TPH-4DL	FF014992.D	11 Nov 2024 10:50	need further dilution	YP\AJ	Dilution
6	P4721-07DL2	EX-11-TPH-4DL2	FF014993.D	11 Nov 2024 11:18		YP\AJ	Ok,M
7	P4721-14DL	EX-9-TPH-7DL	FF014994.D	11 Nov 2024 11:47	need further dilution	YP\AJ	Dilution
8	P4721-14DL2	EX-9-TPH-7DL2	FF014995.D	11 Nov 2024 12:15		YP\AJ	Ok,M
9	P4721-05DL	EX-11-TPH-2DL	FF014996.D	11 Nov 2024 12:43		YP\AJ	Ok,M
10	I.BLK	I.BLK	FF014997.D	11 Nov 2024 13:40		YP\AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF014998.D	11 Nov 2024 15:33		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG102124AL

Review By	yogesh	Review On	10/21/2024 4:07:24 PM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:41 AM		
SubDirectory	FG102124AL	HP Acquire Method		HP Processing Method	FG102124AL

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	FG014469.D	22 Oct 2024 00:00		YP\AJ	Ok
2	I.BLK	I.BLK	FG014470.D	22 Oct 2024 00:29		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FG014471.D	22 Oct 2024 00:58		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG014472.D	22 Oct 2024 01:27		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014473.D	22 Oct 2024 01:56		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG014474.D	22 Oct 2024 02:25		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG014475.D	22 Oct 2024 02:54		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014476.D	22 Oct 2024 03:23		YP\AJ	Ok
9	I.BLK	I.BLK	FG014477.D	22 Oct 2024 04:21		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014478.D	22 Oct 2024 04:50		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG110824AL

Review By	yogesh	Review On	11/8/2024 2:48:02 PM		
Supervise By	Ankita	Supervise On	11/11/2024 9:55:44 AM		
SubDirectory	FG110824AL	HP Acquire Method		HP Processing Method	FG102124AL

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	FG014710.D	08 Nov 2024 12:20		YP\AJ	Ok
2	I.BLK	I.BLK	FG014711.D	08 Nov 2024 12:49		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014712.D	08 Nov 2024 14:51		YP\AJ	Ok
4	P4721-11	EX-9-TPH-4	FG014713.D	08 Nov 2024 16:34	need 10x dilution	YP\AJ	Dilution
5	P4721-12	EX-9-TPH-5	FG014714.D	08 Nov 2024 17:02		YP\AJ	Ok
6	P4721-13	EX-9-TPH-6	FG014715.D	08 Nov 2024 17:30		YP\AJ	Ok
7	P4721-14	EX-9-TPH-7	FG014716.D	08 Nov 2024 17:59	need 25x dilution	YP\AJ	Dilution
8	P4721-15	EX-9-TPH-8	FG014717.D	08 Nov 2024 18:27		YP\AJ	Ok
9	I.BLK	I.BLK	FG014718.D	08 Nov 2024 19:24		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014719.D	08 Nov 2024 19:52		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111124AL

Review By	yogesh	Review On	11/11/2024 11:24:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:05:37 AM		
SubDirectory	FG111124AL	HP Acquire Method		HP Processing Method	FG102124AL

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	FG014721.D	11 Nov 2024 08:39		YP\AJ	Ok
2	I.BLK	I.BLK	FG014722.D	11 Nov 2024 09:07		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014723.D	11 Nov 2024 09:35		YP\AJ	Ok
4	P4721-11DL	EX-9-TPH-4DL	FG014724.D	11 Nov 2024 10:22		YP\AJ	Ok
5	P4721-14DL	EX-9-TPH-7DL	FG014725.D	11 Nov 2024 10:50		YP\AJ	Ok
6	I.BLK	I.BLK	FG014726.D	11 Nov 2024 11:47		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014727.D	11 Nov 2024 12:15		YP\AJ	Ok
8	PB164844BL	PB164844BL	FG014728.D	11 Nov 2024 12:43		YP\AJ	Ok
9	PB164844BS	PB164844BS	FG014729.D	11 Nov 2024 13:12		YP\AJ	Ok,M
10	PB164844BSD	PB164844BSD	FG014730.D	11 Nov 2024 13:40		YP\AJ	Ok,M
11	P4756-01	BP-B4	FG014731.D	11 Nov 2024 14:08		YP\AJ	Ok
12	P4756-01D	P4756-01D	FG014732.D	11 Nov 2024 14:37		YP\AJ	Ok
13	P4756-01MS	BP-B4MS	FG014733.D	11 Nov 2024 15:05	FG014731.D	YP\AJ	Ok,M
14	P4756-01MSD	BP-B4MSD	FG014734.D	11 Nov 2024 15:33	FG014731.D!FG014733.D	YP\AJ	Ok,M
15	P4756-02	BP-B4-EPH	FG014735.D	11 Nov 2024 16:02		YP\AJ	Ok,M
16	P4788-01	BP-G3	FG014736.D	11 Nov 2024 16:30		YP\AJ	Ok
17	P4788-02	BP-G3-EPH	FG014737.D	11 Nov 2024 16:59		YP\AJ	Ok
18	P4789-01	BP-F21	FG014738.D	11 Nov 2024 17:27		YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111124AL

Review By	yogesh	Review On	11/11/2024 11:24:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 10:05:37 AM		
SubDirectory	FG111124AL	HP Acquire Method		HP Processing Method	FG102124AL

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	P4789-02	BP-F21-EPH	FG014739.D	11 Nov 2024 17:55		YP\AJ	Ok
20	I.BLK	I.BLK	FG014740.D	11 Nov 2024 18:52		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014741.D	11 Nov 2024 19:20		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
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: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

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
P4659-01	MH-2	39	1.13	8.64	9.77	8.64	86.9	
P4662-06	102524-D	29	1.00	1.00	2.00	2.00	100.0	oil sample
P4720-01	JC-701-COMP-01	1	1.16	8.49	9.65	8.85	90.6	
P4720-02	JC-701-VOC-01	2	1.16	8.49	9.65	8.85	90.6	
P4720-03	JC-701-01	3	1.15	8.58	9.73	8.99	91.4	
P4720-04	JC-701-02	4	1.13	8.65	9.78	8.73	87.9	
P4721-01	EX-2-TPH-1	5	1.15	8.82	9.97	8.8	86.7	
P4721-02	EX-2-TPH-2	6	1.18	8.47	9.65	8.21	83.0	
P4721-03	EX-2-TPH-3	7	1.16	8.82	9.98	8.95	88.3	
P4721-04	EX-11-TPH-1	8	1.15	8.53	9.68	7.95	79.7	
P4721-05	EX-11-TPH-2	9	1.12	8.56	9.68	8.95	91.5	
P4721-06	EX-11-TPH-3	10	1.15	8.80	9.95	8.14	79.4	
P4721-07	EX-11-TPH-4	11	1.14	8.83	9.97	8.7	85.6	
P4721-08	EX-9-TPH-1	12	1.16	8.53	9.69	8.3	83.7	
P4721-09	EX-9-TPH-2	13	1.12	8.47	9.59	8.36	85.5	
P4721-10	EX-9-TPH-3	14	1.15	8.42	9.57	8.32	85.2	
P4721-11	EX-9-TPH-4	15	1.12	8.81	9.93	9.00	89.4	
P4721-12	EX-9-TPH-5	16	1.17	8.81	9.98	8.83	86.9	
P4721-13	EX-9-TPH-6	17	1.19	8.79	9.98	8.54	83.6	
P4721-14	EX-9-TPH-7	18	1.19	8.42	9.61	8.5	86.8	
P4721-15	EX-9-TPH-8	19	1.15	8.83	9.98	8.85	87.2	
P4722-01	WC-1(5.5)	20	1.18	8.44	9.62	8.64	88.4	
P4722-03	WC-1(0-6)	21	1.15	8.81	9.96	9.41	93.8	
P4722-06	WC-2(2)	22	1.14	8.61	9.75	8.87	89.8	
P4722-08	WC-2(0-6)	23	1.13	8.79	9.92	9.05	90.1	
P4722-11	WC-3(5)	24	1.14	8.40	9.54	7.17	71.8	
P4722-13	WC-3(0-6)	25	1.17	8.61	9.78	8.63	86.6	
P4722-17	WC-1(3.5)	26	1.19	8.47	9.66	7.95	79.8	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
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: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133313

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
P4722-19	WC-2(4)	27	1.18	8.78	9.96	9.03	89.4	
P4722-21	WC-3(3)	28	1.17	8.69	9.86	8.79	87.7	
P4731-01	NASSAU-ST-CO	30	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-02	S.JEFFERSON-CO-1	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-03	S.JEFFERSON-CO-2	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4732-01	PPE-COMP	33	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-02	PPE-COMP	34	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-04	PPE-Grab	35	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-05	PPE-Grab	36	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4734-01	EO-03-11062024	37	1.16	8.48	9.64	9.11	93.7	
P4734-02	EO-03-11062024-E2	38	1.19	8.67	9.86	9.26	93.1	
P4737-01	TP2	40	1.15	8.35	9.5	8.78	91.4	
P4737-02	TP2-E2	41	1.16	8.67	9.83	8.94	89.7	
P4738-01	72-12018	42	1.14	8.70	9.84	2.66	17.5	GEL MARTIX
P4739-01	TP-14	43	1.14	8.71	9.85	8.87	88.7	
P4739-02	TP-14-EPH	44	1.18	8.52	9.7	8.71	88.4	
P4739-03	TP-14-VOC	45	1.13	8.73	9.86	8.75	87.3	
P4739-05	BP-G2	46	1.16	8.71	9.87	8.74	87.0	
P4739-06	BP-G2-EPH	47	1.13	8.52	9.65	8.5	86.5	
P4739-07	BP-G2-VOC	48	1.13	8.85	9.98	8.93	88.1	
P4739-09	BP-B2	49	1.15	8.62	9.77	8.68	87.4	
P4739-10	BP-B2-EPH	50	1.15	8.38	9.53	8.4	86.5	
P4739-11	BP-B2-VOC	51	1.15	8.73	9.88	8.66	86.0	
P4739-13	TP-11	52	1.16	8.37	9.53	8.85	91.9	
P4739-14	TP-11-EPH	53	1.16	8.75	9.91	9.17	91.5	
P4739-15	TP-11-VOC	54	1.12	8.74	9.86	9.11	91.4	

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

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4659-01	MH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-06	102524-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4720-01	JC-701-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-02	JC-701-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-03	JC-701-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-04	JC-701-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-01	EX-2-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-02	EX-2-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-03	EX-2-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-04	EX-11-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-05	EX-11-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-06	EX-11-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-07	EX-11-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-08	EX-9-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-09	EX-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-10	EX-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-11	EX-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-12	EX-9-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-13	EX-9-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-14	EX-9-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-15	EX-9-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO

Date/Time 11/06/24 15:40

Raw Sample Received by: BP WC

Raw Sample Relinquished by: SM

Date/Time 11/06/24 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: BP WC

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-01	WC-1(5.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-03	WC-1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-06	WC-2(2)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-08	WC-2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-11	WC-3(5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-13	WC-3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-17	WC-1(3.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-19	WC-2(4)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-21	WC-3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-02	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-03	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-01	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-02	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-04	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4732-05	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-01	EO-03-11062024	Solid	Percent Solids	Cool 4 deg C	FURI01	L11	11/06/2024	Chemtech -SO
P4734-02	EO-03-11062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-01	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-02	TP2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4738-01	72-12018	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
					PSEG03	L23	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540

Raw Sample Received by: JG (WC)

Raw Sample Relinquished by: SM

Date/Time 11/06/24 1745

Raw Sample Received by: SM

Raw Sample Relinquished by: JG (WC)

WORKLIST(Hardcopy Internal Chain)

VB 133313

WorkList Name : %1-110624 **WorkList ID :** 185146 **Department :** Wet-Chemistry **Date :** 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4739-01	TP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-02	TP-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-03	TP-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-05	BP-G2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-06	BP-G2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-07	BP-G2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-09	BP-B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-10	BP-B2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-11	BP-B2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-13	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-14	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-15	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO

Date/Time 11/06/24 1540
Raw Sample Received by: TB WO C
Raw Sample Relinquished by: SM

Date/Time 11/06/24 1725
Raw Sample Received by: SM
Raw Sample Relinquished by: TB WO C

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164790

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/08/2024

Extraction Start Time : 08:47

Extraction End Date : 11/08/2024

Extraction End Time : 16:10

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP23916
Surrogate	1.0ML	100 PPM	PP23934
Fractionation Surrogate	1.0ML	100 PPM	PP23927
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	EP2556
Sand	N/A	E2865
Hexane	N/A	e3825
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:

p4771-05,07 Added in batch at 10:30.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/08/24	RP (Ext. Lab)	Y-P-PSH-HPLC
16:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164790

Analytical Method: MNJDEP-EPH-7

Concentration Date: 11/08/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164790BL	PB164790BL	EPH	30.02	N/A	ritesh	Evelyn	2			U1-1
PB164790BS	PB164790BS	EPH	30.01	N/A	ritesh	Evelyn	2			2
PB164790BSD	PB164790BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
P4718-01	WB-307-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
P4718-01DUP	WB-307-SB01DUP	EPH	30.09	N/A	ritesh	Evelyn	2	E		5
P4718-01MS	WB-307-SB01MS	EPH	30.05	N/A	ritesh	Evelyn	2	E		6
P4718-01MSD	WB-307-SB01MSD	EPH	30.03	N/A	ritesh	Evelyn	2	E		U5-1
P4718-02	WB-307-SB02	EPH	30.01	N/A	ritesh	Evelyn	2	E		2
P4721-01	EX-2-TPH-1	EPH	30.10	N/A	ritesh	Evelyn	2	E		3
P4721-02	EX-2-TPH-2	EPH	30.04	N/A	ritesh	Evelyn	2	E		4
P4721-03	EX-2-TPH-3	EPH	30.02	N/A	ritesh	Evelyn	2	E		5
P4721-04	EX-11-TPH-1	EPH	30.09	N/A	ritesh	Evelyn	2	E		6
P4721-05	EX-11-TPH-2	EPH	30.05	N/A	ritesh	Evelyn	2	E		U6-1
P4721-06	EX-11-TPH-3	EPH	30.03	N/A	ritesh	Evelyn	2	E		2
P4721-07	EX-11-TPH-4	EPH	30.08	N/A	ritesh	Evelyn	2	E		3
P4721-08	EX-9-TPH-1	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
P4721-09	EX-9-TPH-2	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
P4721-10	EX-9-TPH-3	EPH	30.03	N/A	ritesh	Evelyn	2	E		6
P4721-11	EX-9-TPH-4	EPH	30.02	N/A	ritesh	Evelyn	2	E		U7-1
P4721-12	EX-9-TPH-5	EPH	30.06	N/A	ritesh	Evelyn	2	E		2
P4721-13	EX-9-TPH-6	EPH	30.02	N/A	ritesh	Evelyn	2	E		3
P4721-14	EX-9-TPH-7	EPH	30.04	N/A	ritesh	Evelyn	2	E		4
P4721-15	EX-9-TPH-8	EPH	30.08	N/A	ritesh	Evelyn	2	E		5
P4771-05	P-1	EPH	30.03	N/A	ritesh	Evelyn	2	E		6
P4771-07	P-2	EPH	30.09	N/A	ritesh	Evelyn	2	E		U1-1

* **Extracts relinquished on the same date as received.**

11/8/24

16/7/24 8:47

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4718 **WorkList ID :** 185238 **Department :** Extraction **Date :** 11-08-2024 08:10:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4718-01	WB-307-SB01	Solid	EPH	Cool 4 deg C	PORT06	L21	11/04/2024	NJEPH
P4718-02	WB-307-SB02	Solid	EPH	Cool 4 deg C	PORT06	L21	11/04/2024	NJEPH
P4721-01	EX-2-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-02	EX-2-TPH-2	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-03	EX-2-TPH-3	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-04	EX-11-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-05	EX-11-TPH-2	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-06	EX-11-TPH-3	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-07	EX-11-TPH-4	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-08	EX-9-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-09	EX-9-TPH-2	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-10	EX-9-TPH-3	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-11	EX-9-TPH-4	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-12	EX-9-TPH-5	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-13	EX-9-TPH-6	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-14	EX-9-TPH-7	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH
P4721-15	EX-9-TPH-8	Solid	EPH	Cool 4 deg C	ENTA05	L23	11/05/2024	NJEPH

Date/Time 11/8/24 8:15

Raw Sample Received by: RJ (Ext Lab)

Raw Sample Relinquished by: JDCSM

Date/Time 11/8/24

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: RJ (Ext Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4771 **WorkList ID :** 185255 **Department :** Extraction **Date :** 11-08-2024 10:30:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4771-05	P-1	Solid	EPH	Cool 4 deg C	M2AS01	L32	11/07/2024	NJEPH
P4771-05	P-1	Solid	PCB	Cool 4 deg C	M2AS01	L32	11/07/2024	8082A
P4771-05	P-1	Solid	Pesticide-TCL	Cool 4 deg C	M2AS01	L32	11/07/2024	8081B
P4771-05	P-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	M2AS01	L32	11/07/2024	8270E
P4771-07	P-2	Solid	EPH	Cool 4 deg C	M2AS01	L32	11/07/2024	NJEPH
P4771-07	P-2	Solid	PCB	Cool 4 deg C	M2AS01	L32	11/07/2024	8082A
P4771-07	P-2	Solid	Pesticide-TCL	Cool 4 deg C	M2AS01	L32	11/07/2024	8081B
P4771-07	P-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	M2AS01	L32	11/07/2024	8270E

Date/Time 11/8/24 10:30
Raw Sample Received by: RJ (Ser Lab)
Raw Sample Relinquished by: JDCSM

Date/Time 11/8/24 11:00
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: RJ (Ser Lab)

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Prep Standard - Chemical Standard Summary

Order ID : P4721

Test : EPH

Prepbatch ID : PB164790,

Sequence ID/Qc Batch ID: FC110824AL,FC111124AL,FD110824AR,FD111124AR,FE110924AL,FE111124AL,FF110824AR,FF1111

Standard ID :
EP2538,EP2556,PP23429,PP23430,PP23519,PP23520,PP23521,PP23522,PP23523,PP23644,PP23645,PP23646,PP23647,PP23648,PP23649,PP23650,PP23916,PP23927,PP23934,

Chemical ID :
E2865,E3551,E3743,E3768,E3789,E3793,E3794,E3818,E3819,e3825,P10259,P 11137,P12362,P12972,P12979,P13004,P13005,P13017,P13023,P13024,P13025,P13046,P13049,P13051,P13098,P13100,P13101,P13102,P13258,P13259,P13267,P13270,P13278,P13299,P13423,P13427,P13461,P13462,P13625,P13626,P13627,P13645,P13718,P13719,P13720,P13721,P13722,P13723,P13724,P13725,P13726,P13727,

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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	EP2556	11/03/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/03/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
787	50 PPM Aromatic HC STD	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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
789	10 PPM Aromatic HC STD	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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2946	20 PPM Aromatic HC STD ICV (Absolute)	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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2900	100 PPM Aliphatic HC STD (Absolute)	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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1331	100 PPM NJEPH Fractionating Surrogate	PP23927	10/29/2024	04/15/2025	Yogesh Patel	None	None	Ankita Jodhani 10/30/2024

FROM 1.25000ml of P13267 + 1.25000ml of P13270 + 1.25000ml of P13461 + 1.25000ml of P13462 + 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
1339	100 PPM NJEPH Surrogate Spike	PP23934	10/30/2024	04/23/2025	Yogesh Patel	None	None	Ankita Jodhani 11/04/2024

FROM 1.25000ml of P12979 + 1.25000ml of P13023 + 1.25000ml of P13024 + 1.25000ml of P13025 + 1.25000ml of P13046 + 1.25000ml of P13049 + 1.25000ml of P13051 + 1.25000ml of P13645 + 490.00000ml of E3818 = Final Quantity: 500.000 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 #
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-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

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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-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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

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	31098 / 1-Chlorooctadecane Standard	A0204989	04/30/2025	10/30/2024 / yogesh	12/20/2023 / Yogesh	P12979

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

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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	04/30/2025	10/30/2024 / yogesh	12/21/2023 / Yogesh	P13023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	04/30/2025	10/30/2024 / yogesh	12/21/2023 / Yogesh	P13024

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	04/30/2025	10/30/2024 / yogesh	12/21/2023 / Yogesh	P13025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0200707	04/30/2025	10/30/2024 / yogesh	12/26/2023 / Yogesh	P13046

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0200707	04/30/2025	10/30/2024 / yogesh	12/26/2023 / Yogesh	P13049

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0200707	04/30/2025	10/30/2024 / yogesh	12/26/2023 / Yogesh	P13051

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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	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

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

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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	04/29/2025	10/29/2024 / yogesh	02/20/2024 / yogesh	P13267

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0206496	04/29/2025	10/29/2024 / yogesh	02/20/2024 / yogesh	P13270

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	04/29/2025	10/29/2024 / yogesh	07/23/2024 / yogesh	P13461

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	04/29/2025	10/29/2024 / yogesh	07/23/2024 / yogesh	P13462

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	04/30/2025	10/30/2024 / yogesh	10/16/2024 / yogesh	P13645

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

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

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

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	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

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

DD
06/17/2021

Catalog No. : 30541 **Lot No.:** A0172403

Description : NJEPH Aromatics Calibration Standard

NJEPH Aromatics Calibration Standard 2,000µg/mL, Methylene Chloride, 1mL/ampul

P10758 to P10762 -(5)

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,2,3-Trimethylbenzene **CAS #** 526-73-8 (Lot 8776.10-36) **Purity** 98%	2,010.0 µg/mL	+/- 11.7957 µg/mL +/- 90.5449 µg/mL +/- 100.4678 µg/mL	Gravimetric Unstressed Stressed
2	Naphthalene **CAS #** 91-20-3 (Lot MKBZ8680V) **Purity** 99%	2,006.0 µg/mL	+/- 11.7723 µg/mL +/- 90.3656 µg/mL +/- 100.2689 µg/mL	Gravimetric Unstressed Stressed
3	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBG8884) **Purity** 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL +/- 90.4557 µg/mL +/- 100.3688 µg/mL	Gravimetric Unstressed Stressed
4	Acenaphthylene **CAS #** 208-96-8 (Lot N19U) **Purity** 95%	2,002.6 µg/mL	+/- 11.7524 µg/mL +/- 90.2125 µg/mL +/- 100.0989 µg/mL	Gravimetric Unstressed Stressed
5	Acenaphthene **CAS #** 83-32-9 (Lot MKCN0610) **Purity** 99%	2,000.0 µg/mL	+/- 11.7371 µg/mL +/- 90.0953 µg/mL +/- 99.9689 µg/mL	Gravimetric Unstressed Stressed
6	Fluorene **CAS #** 86-73-7 (Lot 10217947) **Purity** 99%	2,016.0 µg/mL	+/- 11.8310 µg/mL +/- 90.8161 µg/mL +/- 100.7687 µg/mL	Gravimetric Unstressed Stressed
7	Phenanthrene **CAS #** 85-01-8 (Lot MKCL7390) **Purity** 99%	2,012.0 µg/mL	+/- 11.8075 µg/mL +/- 90.6359 µg/mL +/- 100.5688 µg/mL	Gravimetric Unstressed Stressed

8	Anthracene		2,002.0	µg/mL	+/-	11.7489	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCM0015)			+/-	90.1854	µg/mL	Unstressed
	Purity 99%				+/-	100.0689	µg/mL	Stressed
9	Fluoranthene		2,003.0	µg/mL	+/-	11.7547	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCF7378)			+/-	90.2305	µg/mL	Unstressed
	Purity 99%				+/-	100.1189	µg/mL	Stressed
10	Pyrene		2,011.0	µg/mL	+/-	11.8017	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/-	90.5909	µg/mL	Unstressed
	Purity 99%				+/-	100.5188	µg/mL	Stressed
11	Benz(a)anthracene		2,011.0	µg/mL	+/-	11.8014	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot P0022018-0505)			+/-	90.5890	µg/mL	Unstressed
	Purity 98%				+/-	100.5168	µg/mL	Stressed
12	Chrysene		2,000.0	µg/mL	+/-	11.7371	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot STBJ8094)			+/-	90.0953	µg/mL	Unstressed
	Purity 99%				+/-	99.9689	µg/mL	Stressed
13	Benzo(b)fluoranthene		2,006.0	µg/mL	+/-	11.7721	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012012B)			+/-	90.3638	µg/mL	Unstressed
	Purity 97%				+/-	100.2669	µg/mL	Stressed
14	Benzo(k)fluoranthene		2,010.0	µg/mL	+/-	11.7958	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012019K)			+/-	90.5458	µg/mL	Unstressed
	Purity 99%				+/-	100.4688	µg/mL	Stressed
15	Benzo(a)pyrene		2,004.0	µg/mL	+/-	11.7606	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot RP210113)			+/-	90.2755	µg/mL	Unstressed
	Purity 99%				+/-	100.1689	µg/mL	Stressed
16	Indeno(1,2,3-cd)pyrene		2,010.0	µg/mL	+/-	11.7958	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 1-RAK-33-4)			+/-	90.5458	µg/mL	Unstressed
	Purity 99%				+/-	100.4688	µg/mL	Stressed
17	Dibenz(a,h)anthracene		2,017.0	µg/mL	+/-	11.8369	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	90.8611	µg/mL	Unstressed
	Purity 99%				+/-	100.8187	µg/mL	Stressed
18	Benzo(g,h,i)perylene		2,003.0	µg/mL	+/-	11.7547	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot 8GFYJ)			+/-	90.2305	µg/mL	Unstressed
	Purity 99%				+/-	100.1189	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

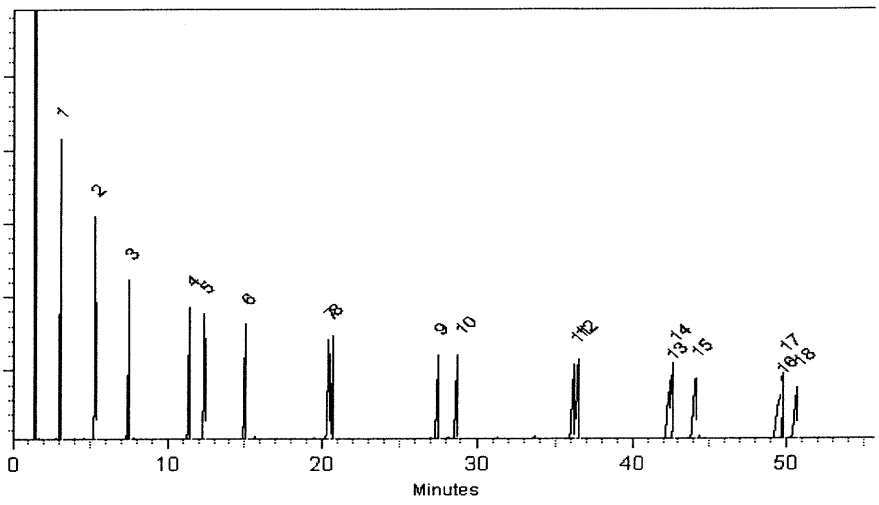
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Lane Kibe - Mix Technician **Date Mixed:** 14-May-2021 **Balance:** B345965662

Alexis Shelow - Operations Tech I **Date Passed:** 18-May-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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

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

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/9/24

E 3818

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

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

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Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
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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

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95709
Lot Number: 060420
Description: NJ EPH Aromatic Hydrocarbons
18 components
Expiration Date: 060425
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 23060

Solvent(s):	Lot#
Methylene chloride	104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 500.0 0.058 Flask Uncertainty

Formulated By: Benson Chan	060420 DATE
Reviewed By: Pedro L. Rentas	060420 DATE

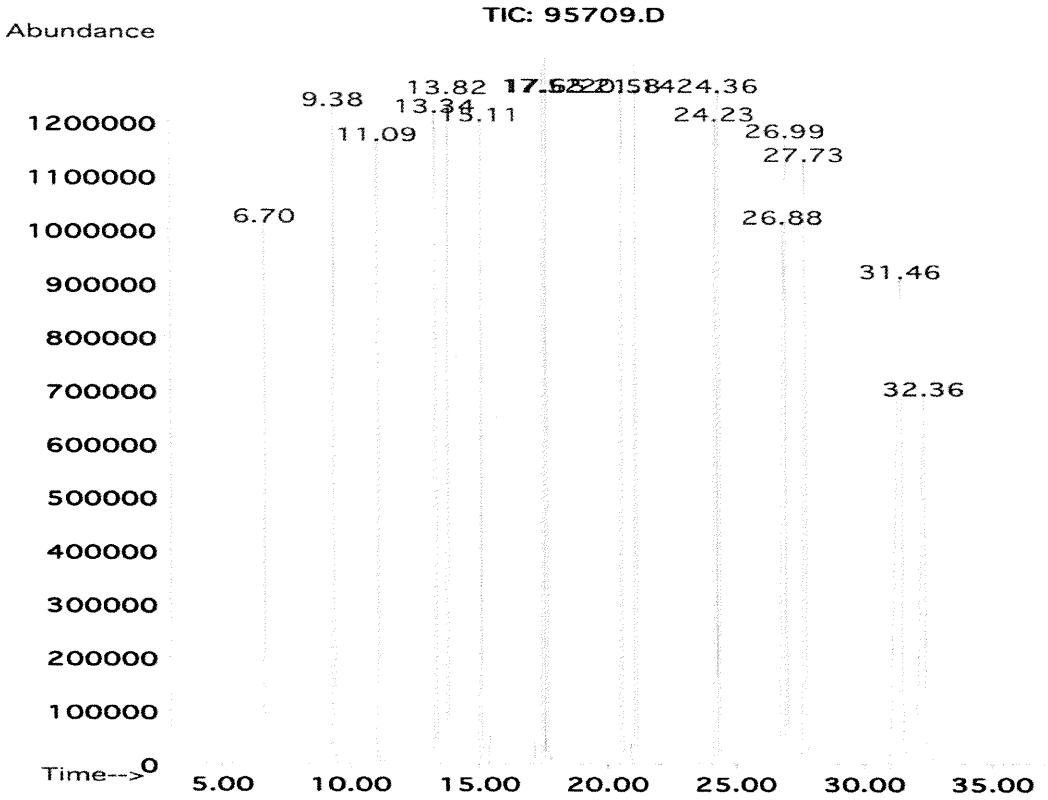
	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acenaphthene	1	MKBJ4871V	2000	99	0.2	1.01003	1.01010	2000.1	8.1	83-32-9	N/A	ipr-rat 600mg/kg
2.	Acenaphthylene	3	012014	2000	98	0.2	1.02033	1.02053	2000.4	8.2	208-96-8	N/A	N/A
3.	Anthracene	13	A0210580	2000	99	0.2	1.01003	1.01009	2000.1	8.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
4.	Benzo(a)anthracene	28	JY2TD-JT	2000	98	0.2	1.02033	1.02051	2000.3	8.2	56-55-3	N/A	N/A
5.	Benzo(a)pyrene	30	012012	2000	99.5	0.2	1.00495	1.00511	2000.3	8.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
6.	Benzo(b)fluoranthene	31	012012b	2000	99	0.2	1.01003	1.01012	2000.2	8.1	205-99-2	N/A	N/A
7.	Benzo(k)fluoranthene	33	012012k	2000	99	0.2	1.01003	1.01018	2000.3	8.1	207-08-9	N/A	N/A
8.	Benzo(g,h,i)perylene	32	012018	2000	99	0.2	1.01003	1.01019	2000.3	8.1	191-24-2	N/A	N/A
9.	Chrysene	91	012015	2000	98	0.2	1.02033	1.02040	2000.1	8.2	218-01-9	0.2mg/m3	N/A
10.	Dibenzo(a,h)anthracene	112	012011	2000	98	0.2	1.02033	1.02050	2000.3	8.2	53-70-3	0.2mg/m3	N/A
11.	Fluoranthene	183	04221PV	2000	98	0.2	1.02033	1.02050	2000.3	8.2	206-44-0	N/A	orl-rat 2000mg/kg
12.	Fluorene	184	07211MV	2000	98	0.2	1.02033	1.02047	2000.3	8.2	86-73-7	N/A	ipr-mus 2 g/kg
13.	Indeno(1,2,3-cd)pyrene	202	012014	2000	99.9	0.2	1.00093	1.00119	2000.5	8.0	193-39-5	N/A	N/A
14.	2-Methylnaphthalene	214	MKBF3783V	2000	97	0.2	1.03085	1.03090	2000.1	8.3	91-57-6	N/A	orl-rat 1630mg/kg
15.	Naphthalene	222	MKBZ8680V	2000	100	0.2	0.99993	0.99999	2000.1	8.0	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
16.	Phenanthrene	248	03410PV	2000	99	0.2	1.01003	1.01030	2000.5	8.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
17.	Pyrene	259	010197	2000	98	0.2	1.02033	1.02042	2000.2	8.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg
18.	1,2,3-Trimethylbenzene	944	031097	2000	99	0.2	1.01003	1.01025	2000.4	8.1	526-73-8	N/A	N/A

P11137
&
P11141

AR 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC8MSD-2.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



Peak No.	Name	MSD RT (min.)
1	1,2,3-Trimethylbenzene	6.70
2	Naphthalene	9.38
3	2-Methylnaphthalene	11.09
4	Acenaphthylene	13.34
5	Acenaphthene	13.82
6	Fluorene	15.11
7	Phenanthrene	17.52
8	Anthracene	17.65
9	Fluoranthene	20.58
10	Pyrene	21.14
11	Chrysene	24.23
12	Benzo(a)anthracene	24.36
13	Benzo(b)fluoranthene/Benzo(k)fluoranthene	26.98
14	Benzo(a)pyrene	27.73
15	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.46
16	Benzo(g,h,i)perylene	32.36

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12361 ↓ P12370 } Y.P. 03/16/23

Catalog No. : 30540 **Lot No.:** A0190424

Description : NJEPH Aliphatics Calibration Standard

Aliphatics Calibration Standard 2000µg/mL, Hexane/Carbon Disulfide (80:20), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) **CAS #** 111-84-2 (Lot SHBN5361) **Purity** 99%	2,014.0 µg/mL	+/- 11.8193 µg/mL +/- 50.0027 µg/mL +/- 59.9491 µg/mL	Gravimetric Unstressed Stressed
2	n-Decane (C10) **CAS #** 124-18-5 (Lot SHBN8619) **Purity** 99%	2,014.7 µg/mL	+/- 11.8232 µg/mL +/- 50.0193 µg/mL +/- 59.9689 µg/mL	Gravimetric Unstressed Stressed
3	Naphthalene **CAS #** 91-20-3 (Lot MKCH0219) **Purity** 99%	2,015.3 µg/mL	+/- 11.8271 µg/mL +/- 50.0358 µg/mL +/- 59.9888 µg/mL	Gravimetric Unstressed Stressed
4	n-Dodecane (C12) **CAS #** 112-40-3 (Lot SHBN7174) **Purity** 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL +/- 49.8538 µg/mL +/- 59.7705 µg/mL	Gravimetric Unstressed Stressed
5	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBK0259) **Purity** 96%	2,007.0 µg/mL	+/- 11.7784 µg/mL +/- 49.8299 µg/mL +/- 59.7419 µg/mL	Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) **CAS #** 629-59-4 (Lot STBK2282) **Purity** 99%	2,016.7 µg/mL	+/- 11.8349 µg/mL +/- 50.0689 µg/mL +/- 60.0284 µg/mL	Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) **CAS #** 544-76-3 (Lot SHBM4146) **Purity** 98%	2,014.9 µg/mL	+/- 11.8244 µg/mL +/- 50.0246 µg/mL +/- 59.9753 µg/mL	Gravimetric Unstressed Stressed

8	n-Octadecane (C18) **CAS #** 593-45-3 **Purity** 97%	(Lot VZKOJ)	2,004.7	µg/mL	+/- 11.7645 +/- 49.7710 +/- 59.6712	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	n-Eicosane (C20) **CAS #** 112-95-8 **Purity** 99%	(Lot MKCF7888)	2,018.0	µg/mL	+/- 11.8428 +/- 50.1020 +/- 60.0681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Heneicosane (C21) **CAS #** 629-94-7 **Purity** 99%	(Lot MKCL3226)	2,000.7	µg/mL	+/- 11.7410 +/- 49.6717 +/- 59.5522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Docosane (C22) **CAS #** 629-97-0 **Purity** 99%	(Lot MKCL8918)	2,005.3	µg/mL	+/- 11.7684 +/- 49.7876 +/- 59.6911	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	n-Tetracosane (C24) **CAS #** 646-31-1 **Purity** 99%	(Lot MKCN2863)	2,018.0	µg/mL	+/- 11.8428 +/- 50.1020 +/- 60.0681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexacosane (C26) **CAS #** 630-01-3 **Purity** 99%	(Lot MKCD4540)	2,014.0	µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	n-Octacosane (C28) **CAS #** 630-02-4 **Purity** 99%	(Lot BCCG0084)	2,002.0	µg/mL	+/- 11.7489 +/- 49.7048 +/- 59.5919	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	n-Triacontane (C30) **CAS #** 638-68-6 **Purity** 97%	(Lot MKCQ9436)	2,011.1	µg/mL	+/- 11.8025 +/- 49.9316 +/- 59.8637	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	n-Dotriacontane (C32) **CAS #** 544-85-4 **Purity** 99%	(Lot BCBW0661)	2,012.0	µg/mL	+/- 11.8075 +/- 49.9531 +/- 59.8895	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	n-Tetratriacontane (C34) **CAS #** 14167-59-0 **Purity** 99%	(Lot OML4N)	2,006.7	µg/mL	+/- 11.7762 +/- 49.8207 +/- 59.7308	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	n-Hexatriacontane (C36) **CAS #** 630-06-8 **Purity** 99%	(Lot Z27H018)	2,017.3	µg/mL	+/- 11.8388 +/- 50.0855 +/- 60.0483	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	n-Octatriacontane (C38) **CAS #** 7194-85-6 **Purity** 96%	(Lot 0000145137)	2,017.3	µg/mL	+/- 11.8385 +/- 50.0842 +/- 60.0467	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	n-Tetracontane (C40) **CAS #** 4181-95-7 **Purity** 99%	(Lot BSBME)	2,008.7	µg/mL	+/- 11.7880 +/- 49.8703 +/- 59.7903	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane/Carbon disulfide (80:20)
CAS # 110-54-3/75-15-0
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

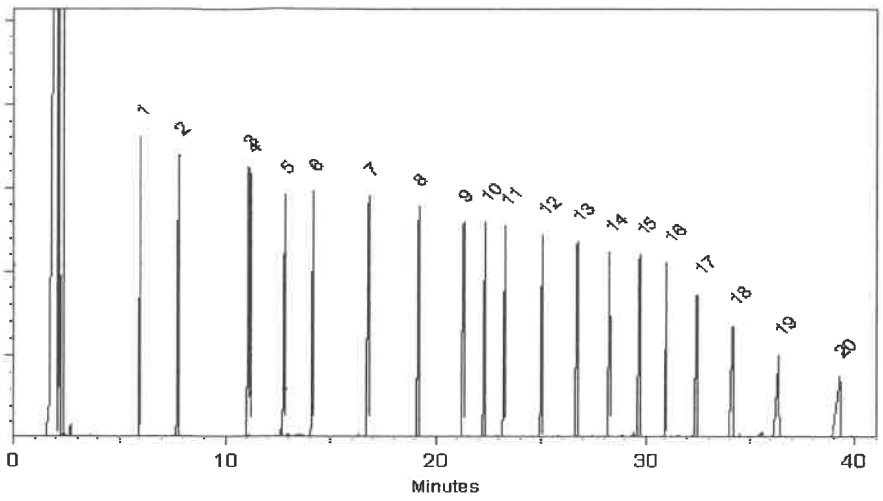
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022 **Balance:** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

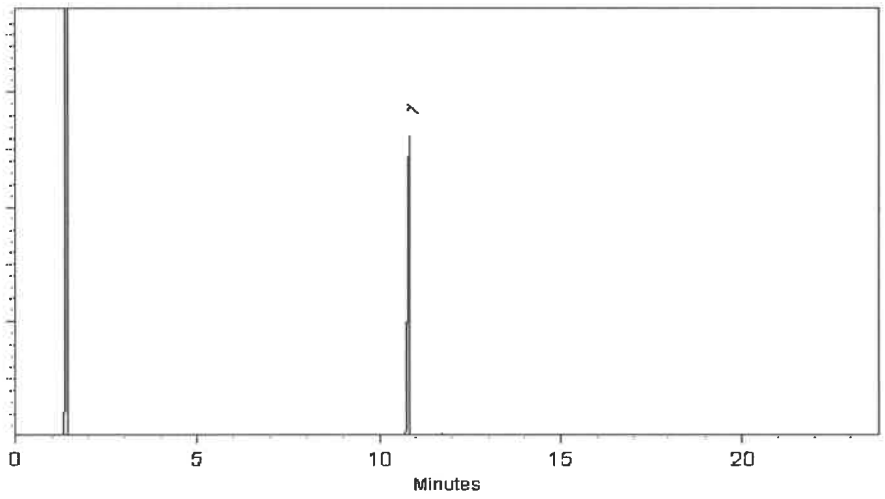
Inj. Temp:
250°C

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.

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

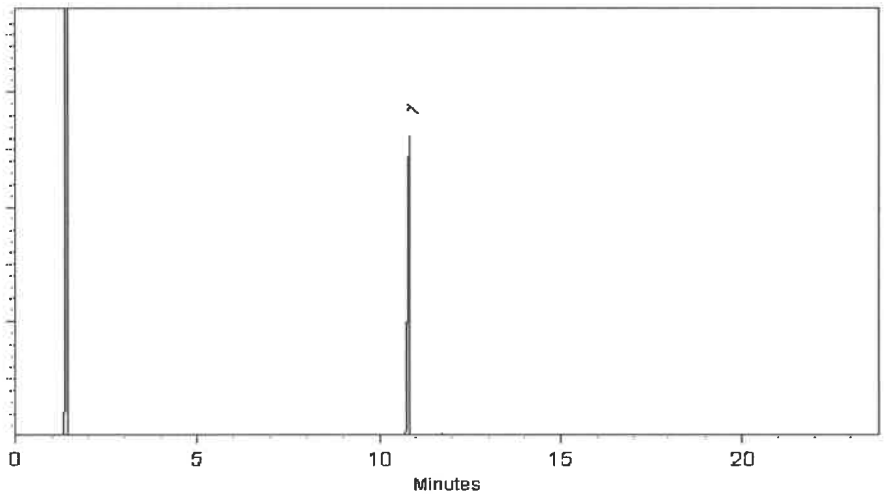
Inj. Temp:
250°C

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.
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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.)

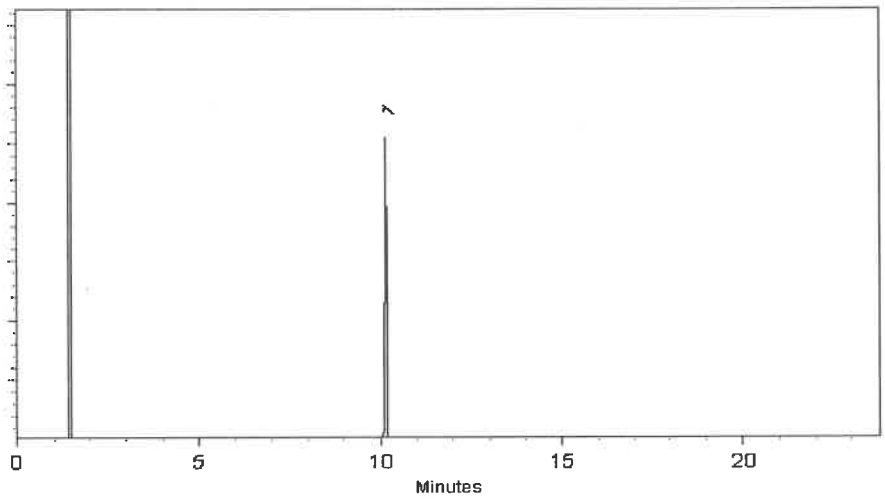
Inj. Temp:
250°C

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.
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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.)

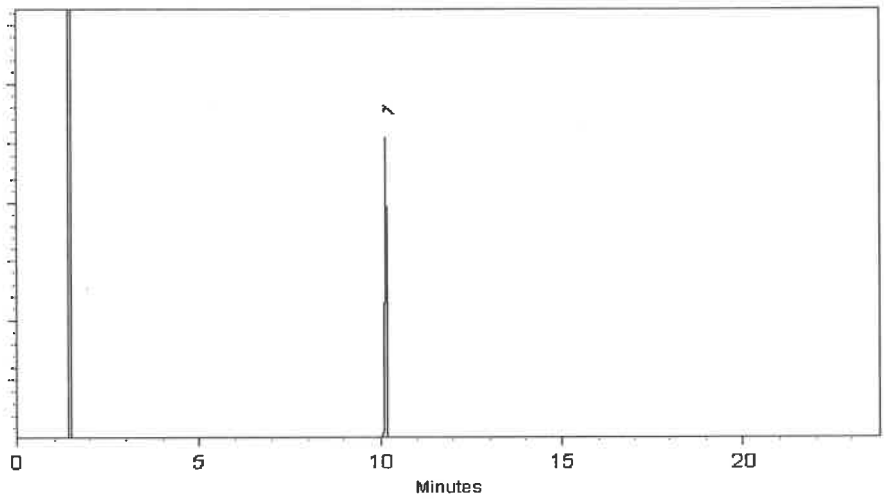
Inj. Temp:
250°C

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:

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Purity Notes:

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Manufacturing 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:
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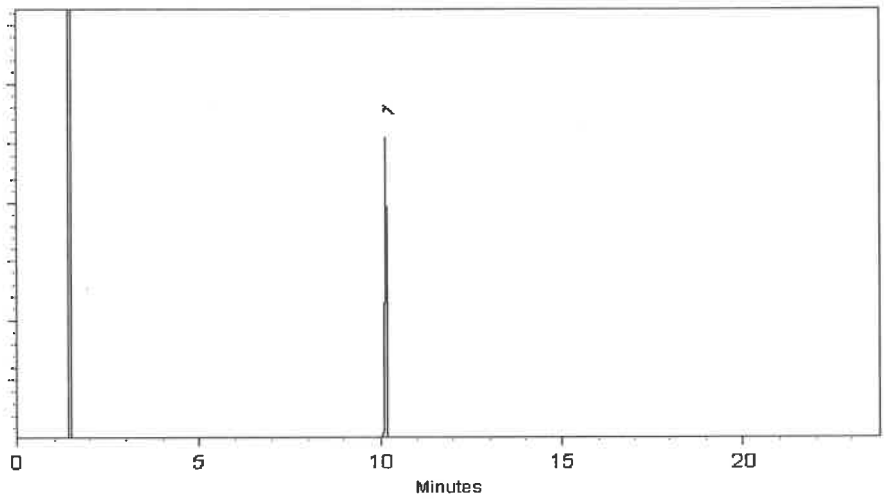
Det. Temp:
330°C

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:

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Manufacturing 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
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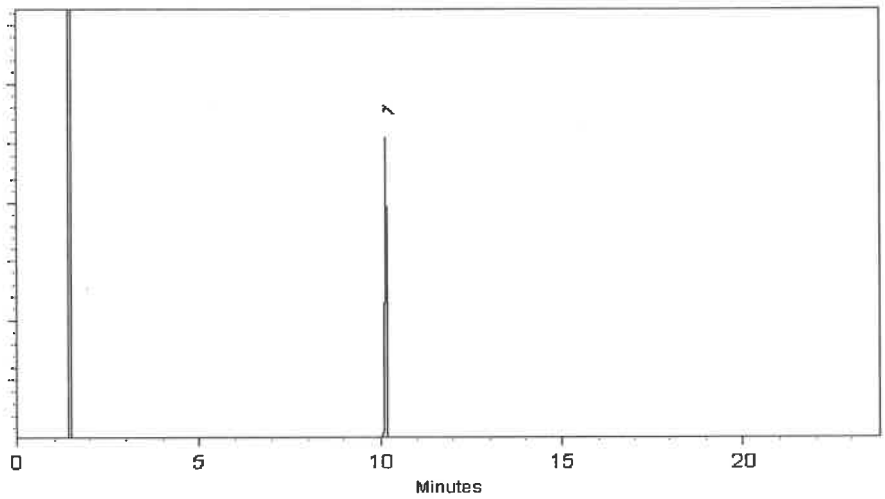
Inj. Temp:
250°C

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:

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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

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Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

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@ 20°C/min. (hold 10 min.)

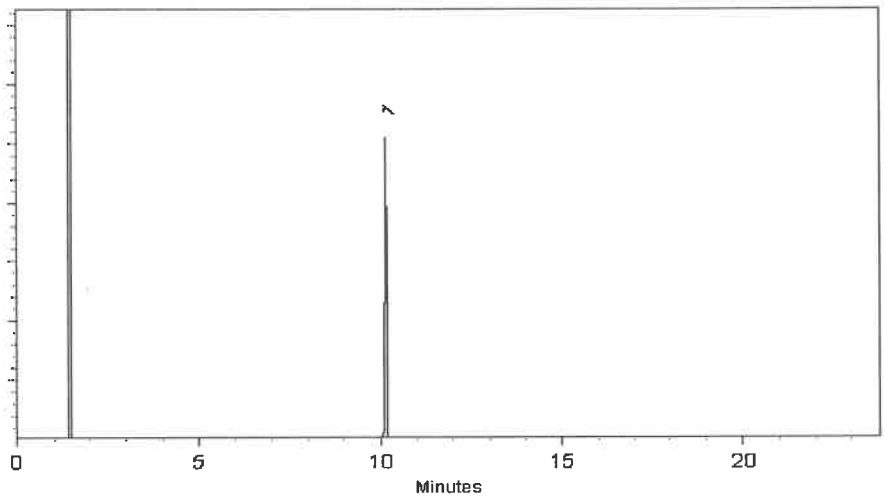
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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chromatographic plus

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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.)

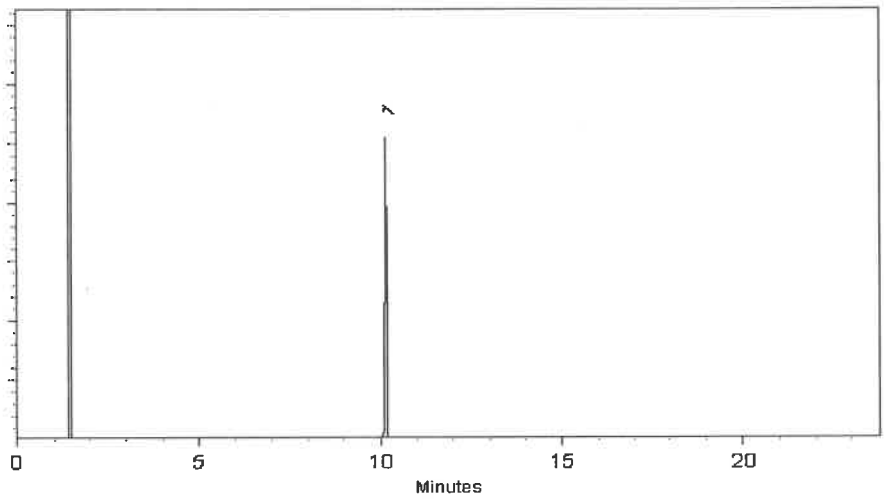
Inj. Temp:
250°C

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.
- 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. : 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.)

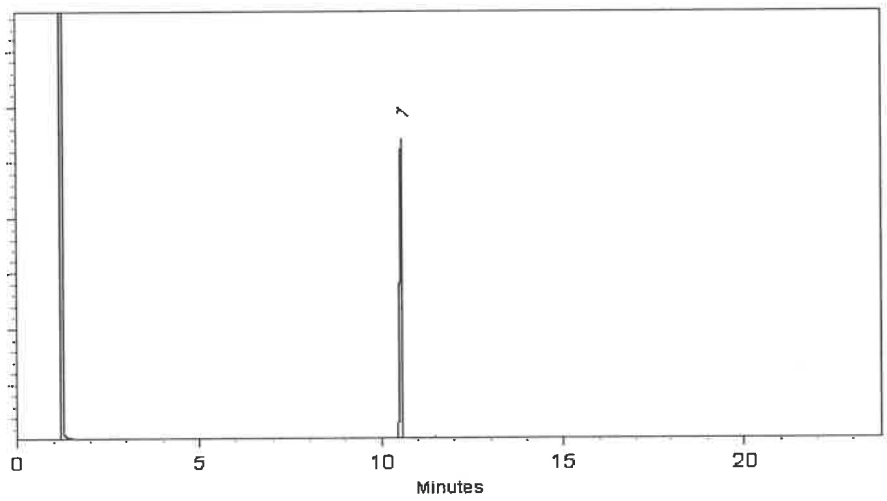
Inj. Temp:
250°C

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.)

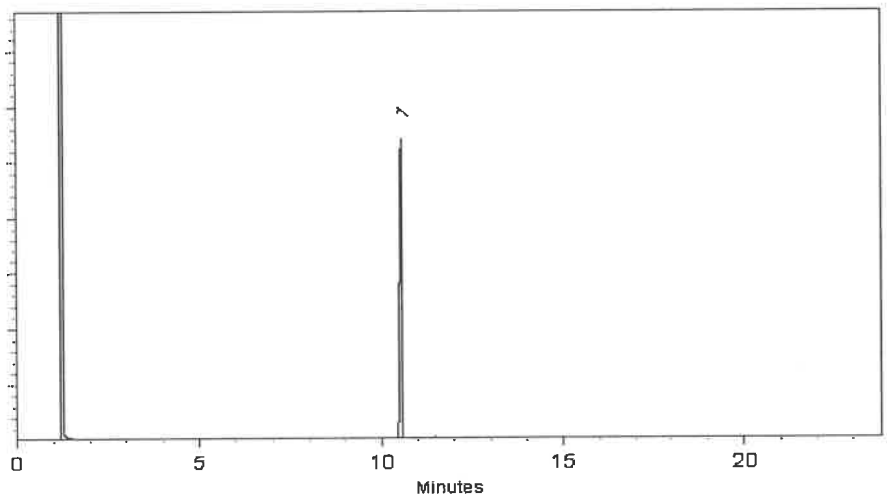
Inj. Temp:
250°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

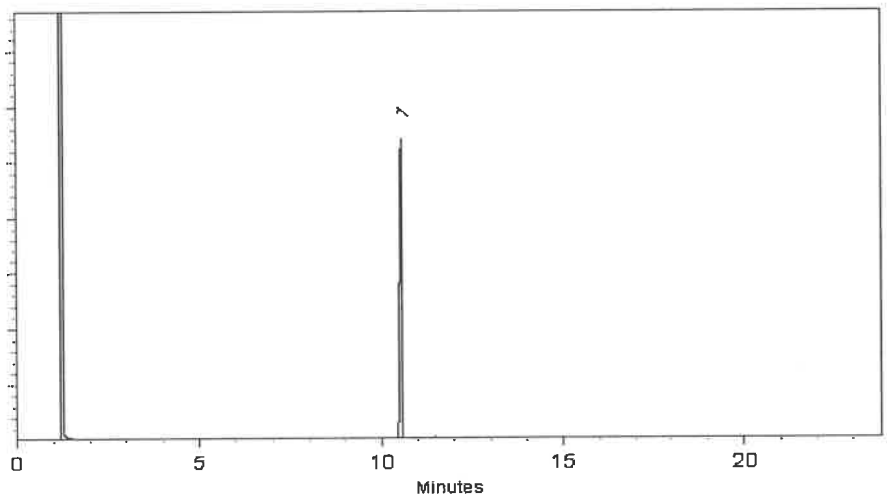
Inj. Temp:
250°C

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.

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.)

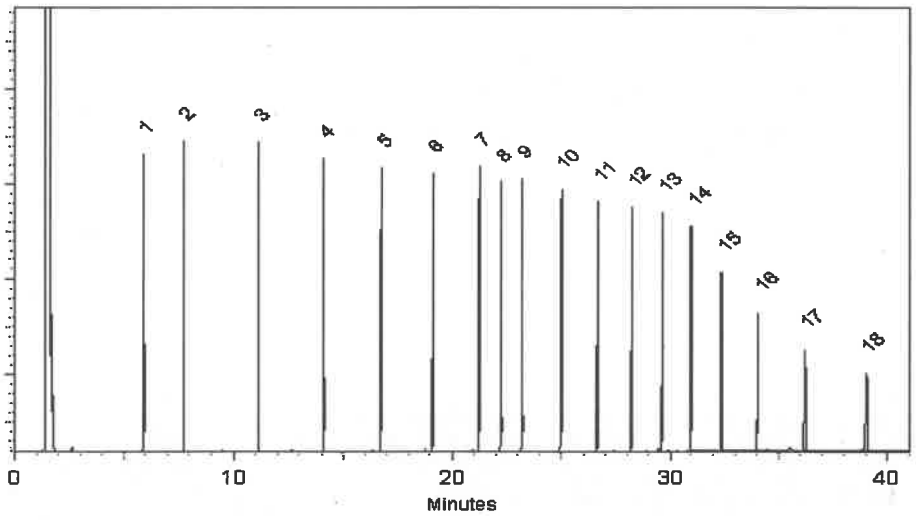
Inj. Temp:
250°C

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.)

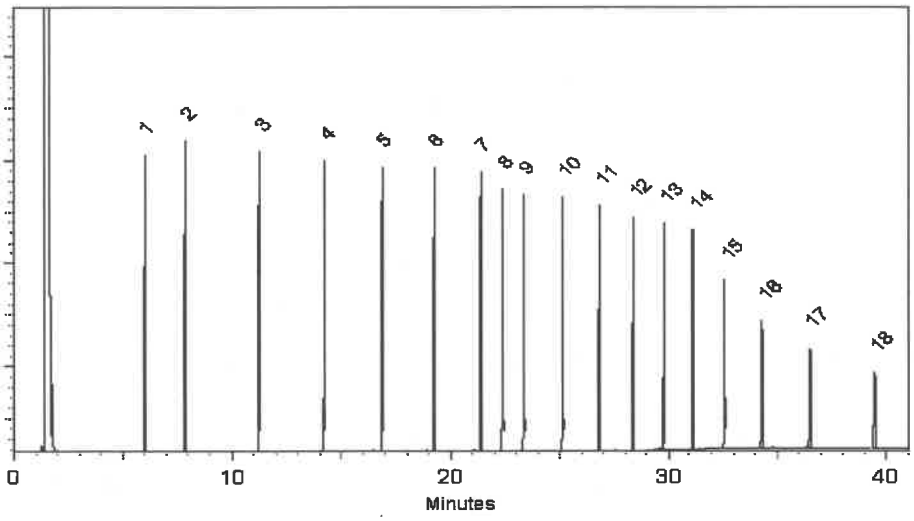
Inj. Temp:
250°C

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.)

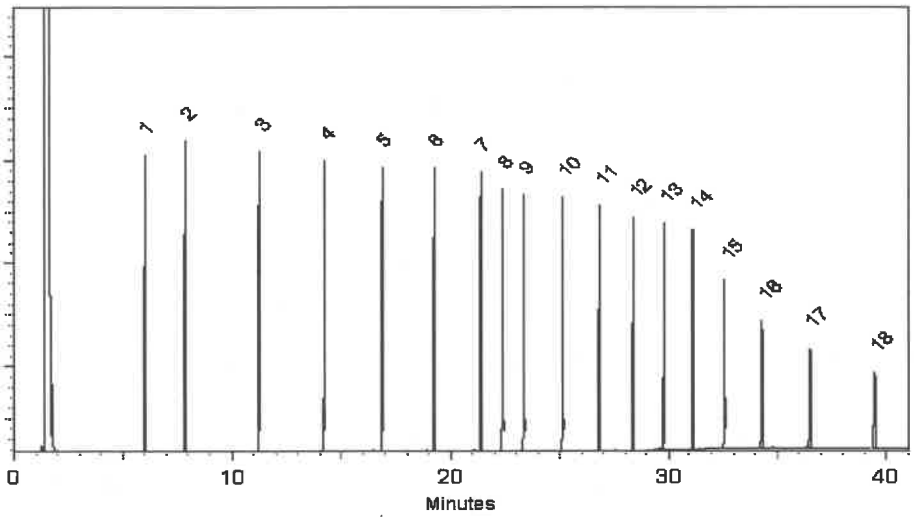
Inj. Temp:
250°C

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.
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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.)

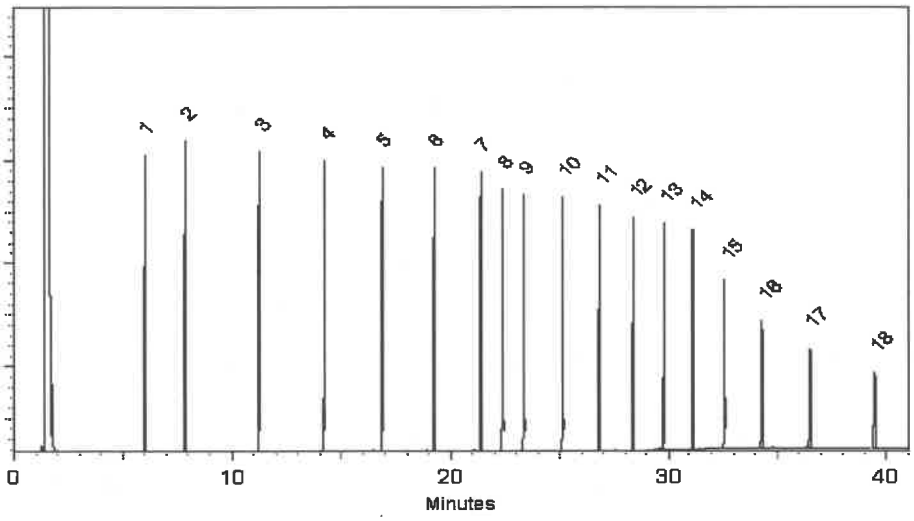
Inj. Temp:
250°C

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.
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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. : 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.)

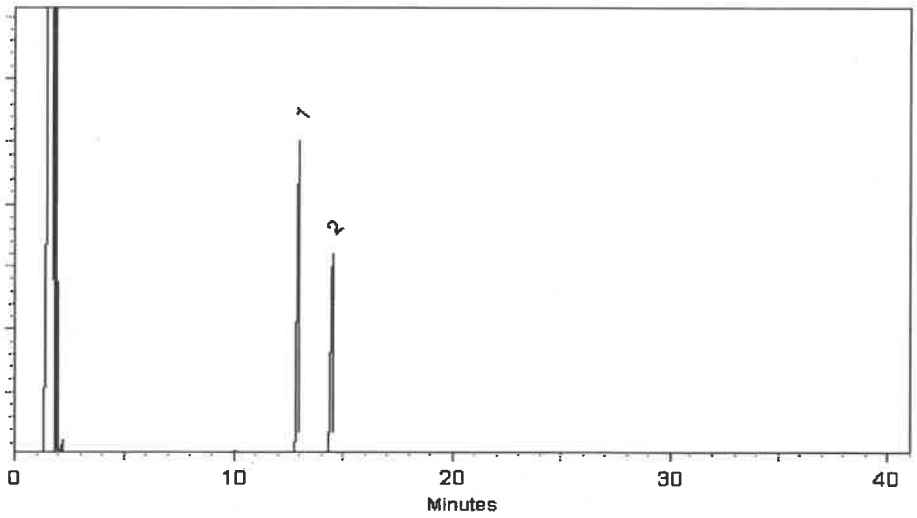
Inj. Temp:
250°C

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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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.)

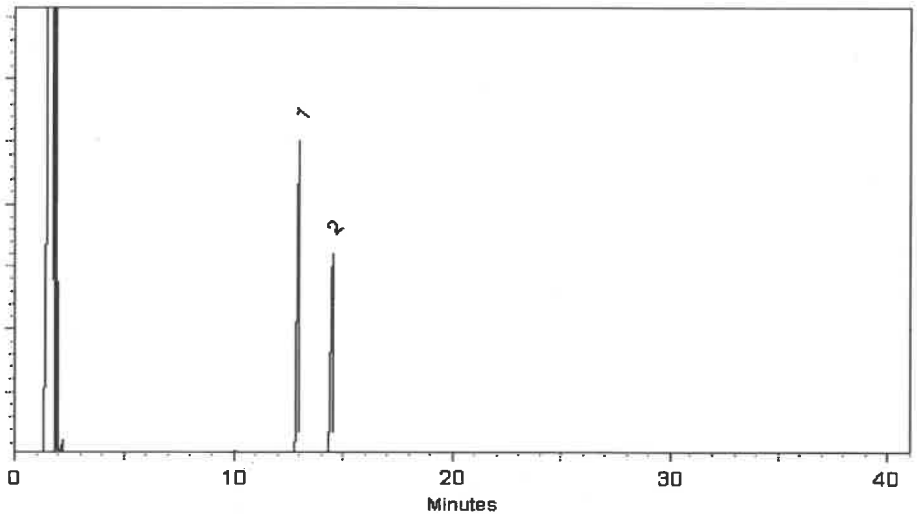
Inj. Temp:
250°C

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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

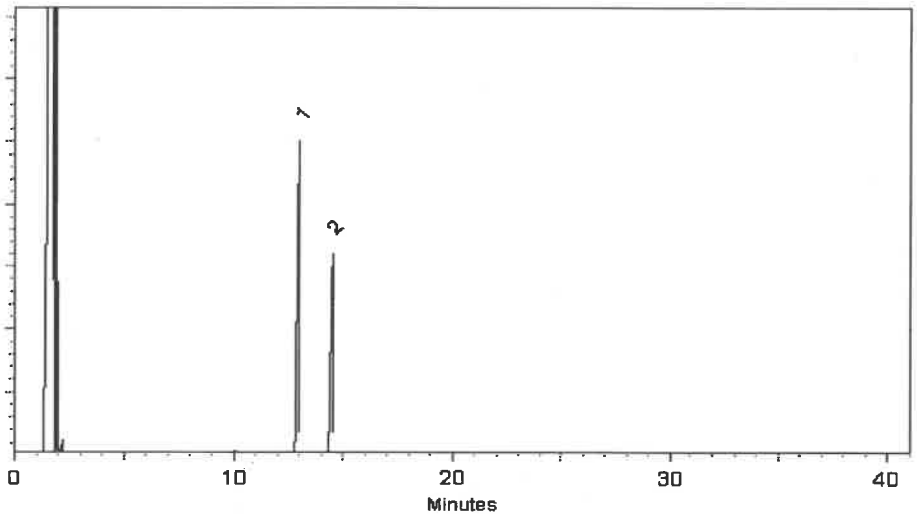
Inj. Temp:
250°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

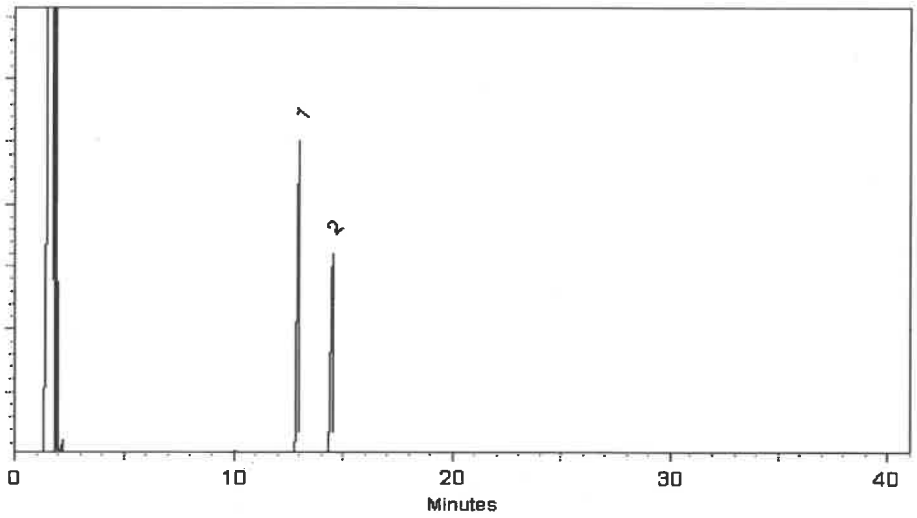
Inj. Temp:
250°C

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).

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

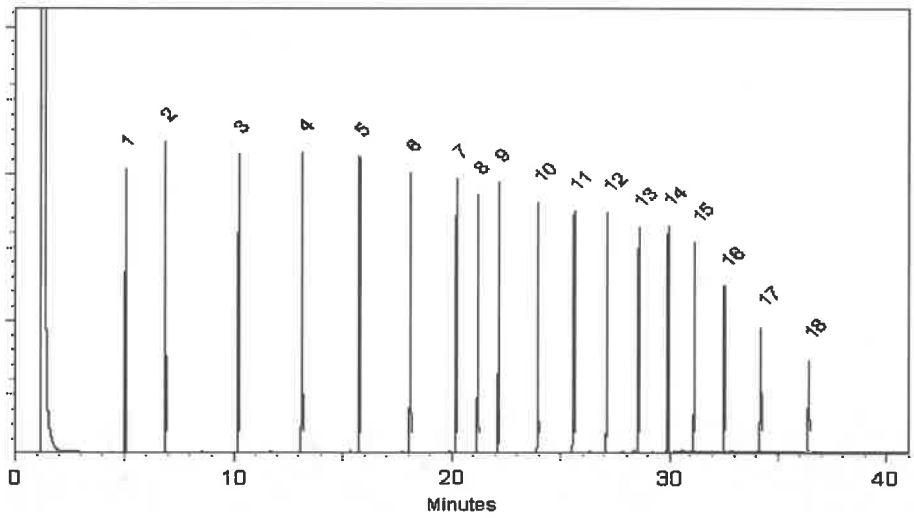
Inj. Temp:
250°C

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.

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

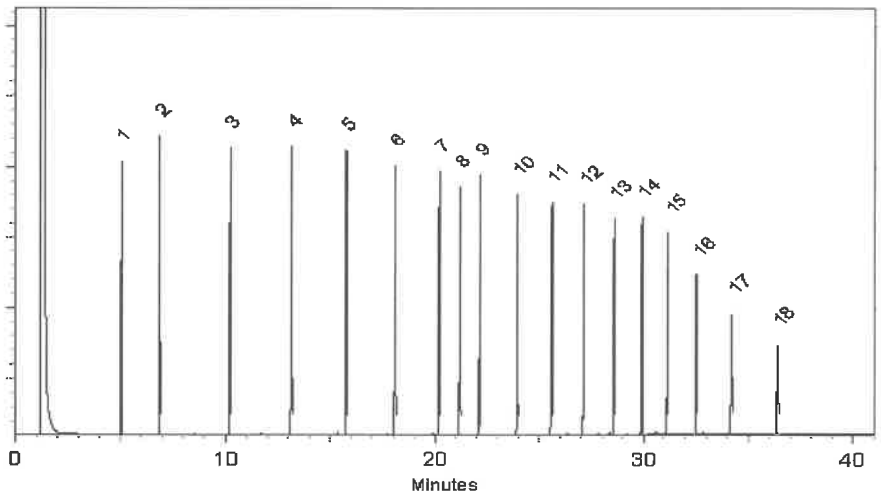
Inj. Temp:
250°C

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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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.)

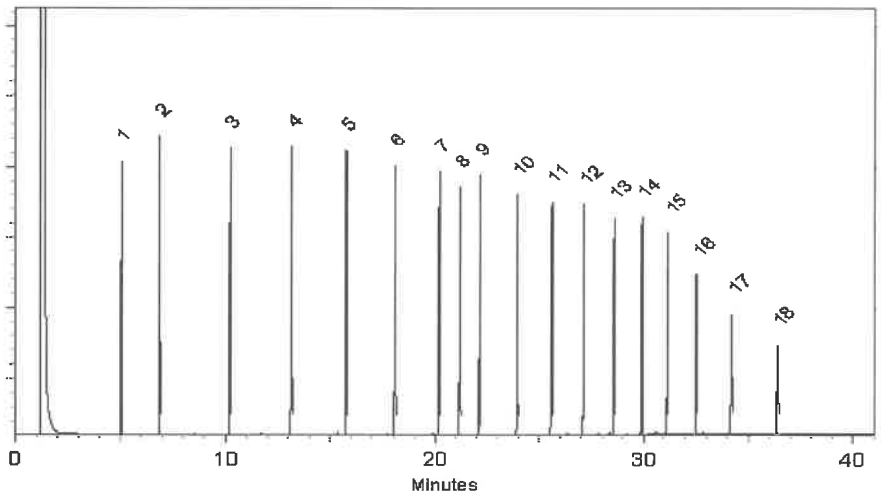
Inj. Temp:
250°C

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:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0210831

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13457 ↓ P13476 Y.P. 07/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,031.0 µg/mL	+/- 181.5871
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,037.5 µg/mL	+/- 181.8799

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

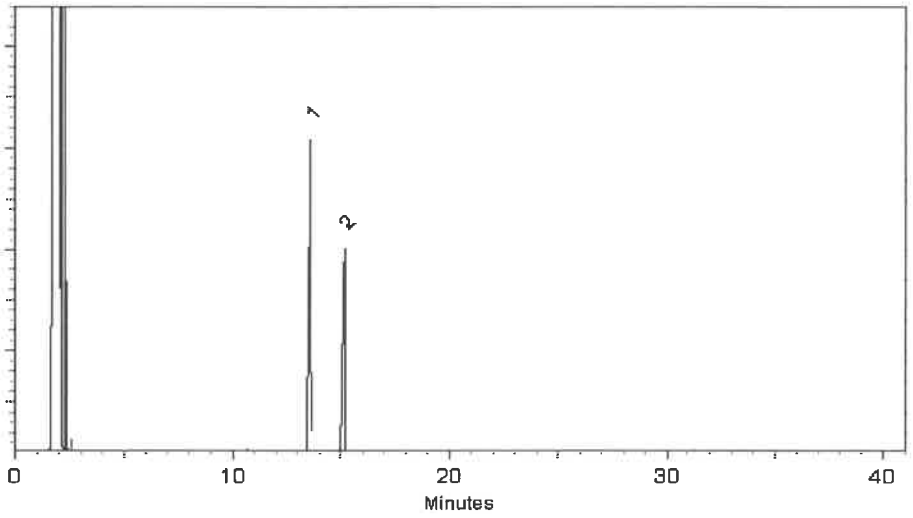
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 29-Apr-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 30-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0210831

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13457 ↓ P13476 Y.P. 07/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,031.0 µg/mL	+/- 181.5871
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,037.5 µg/mL	+/- 181.8799

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

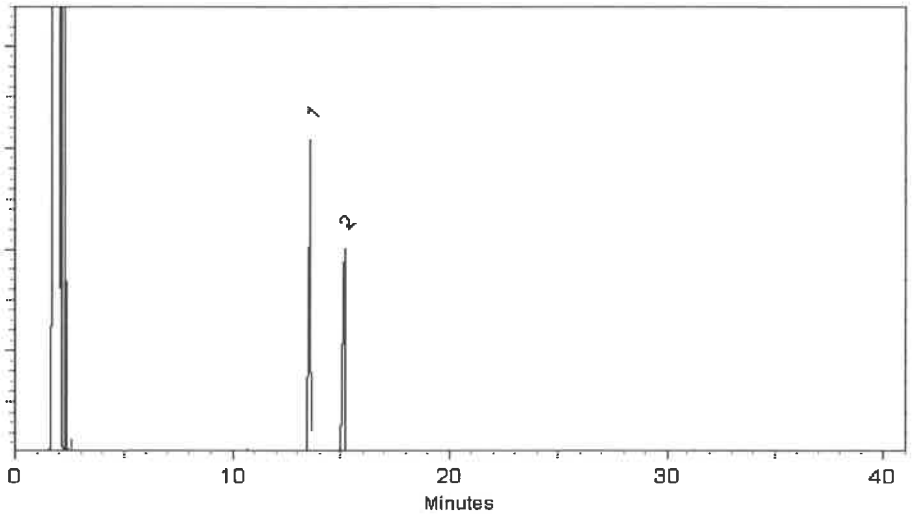
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 29-Apr-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 30-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

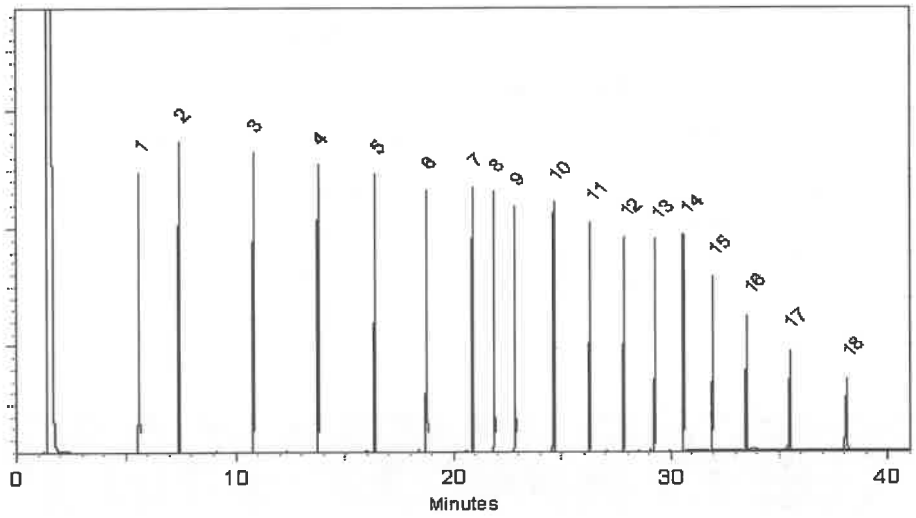
Inj. Temp:
250°C

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:

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Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
} Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/- 5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

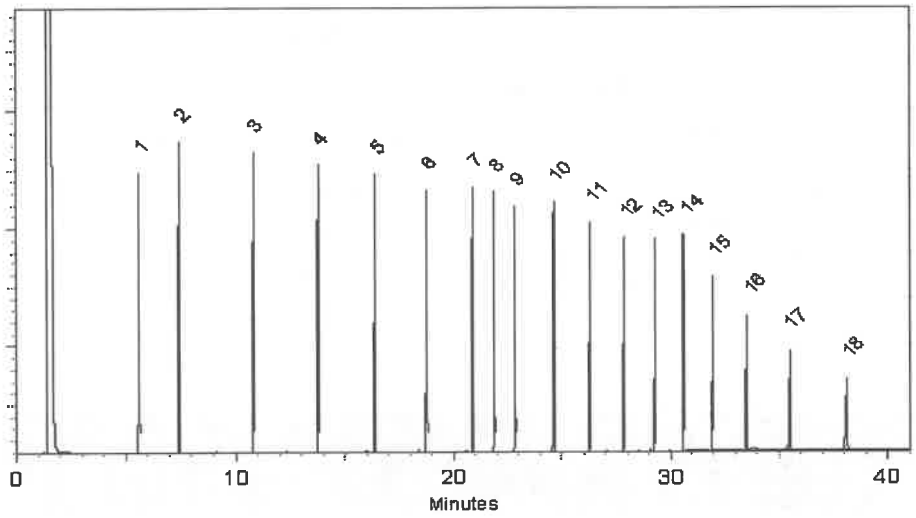
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644
} Y.P. 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

18	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	200.5 µg/mL	+/- 5.1805

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

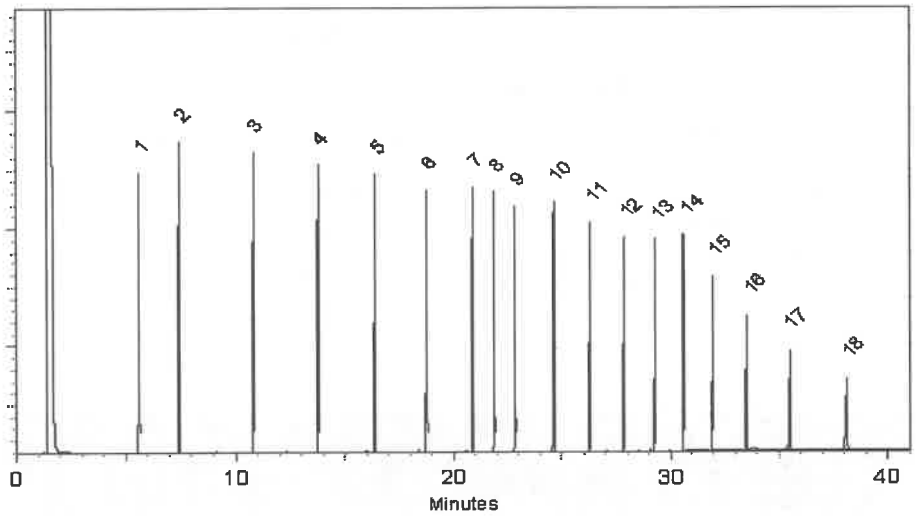
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

P13645 ↓ P13694 } Y.P. 10/16/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

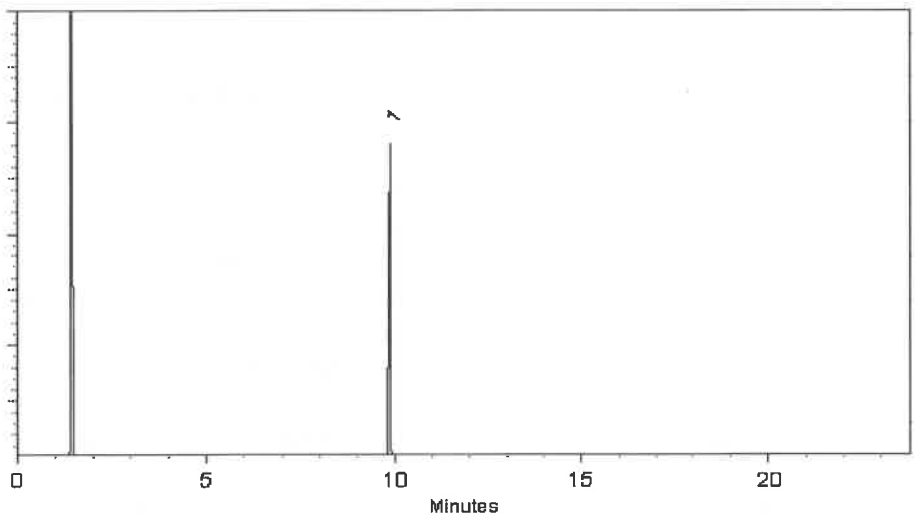
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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.)

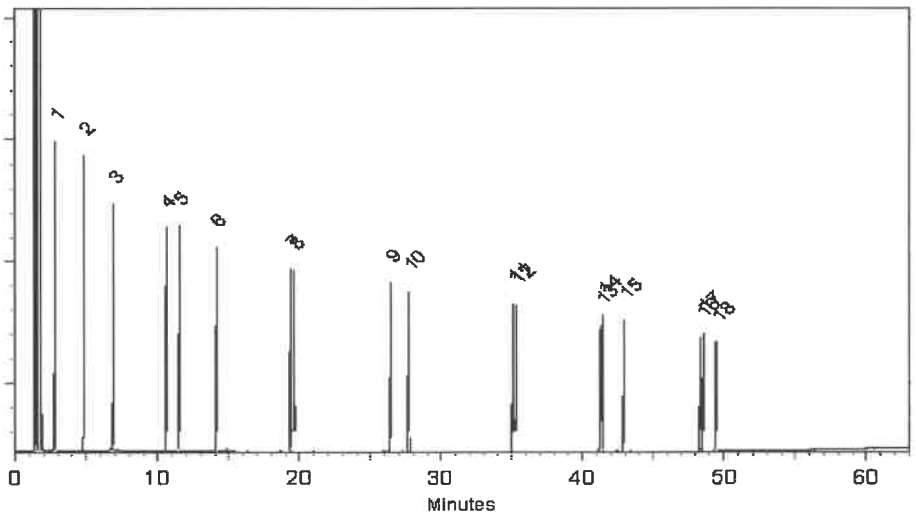
Inj. Temp:
250°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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.)

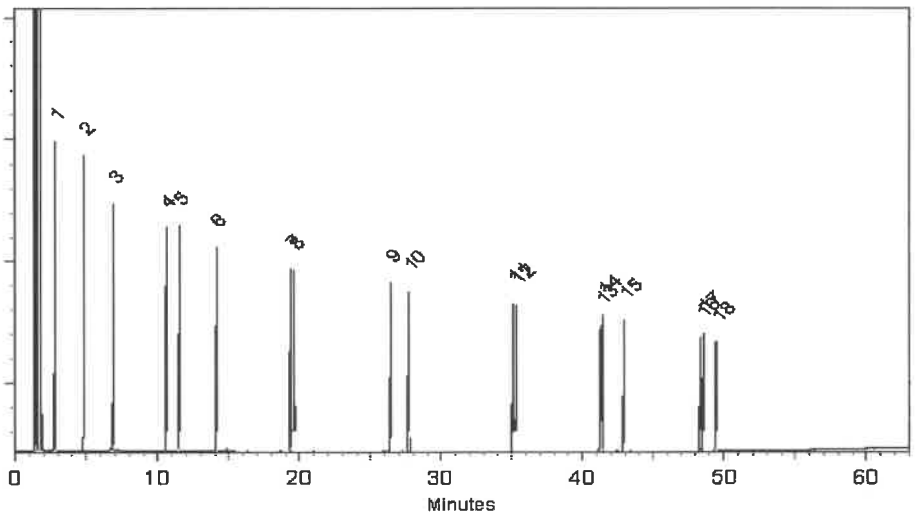
Inj. Temp:
250°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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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

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

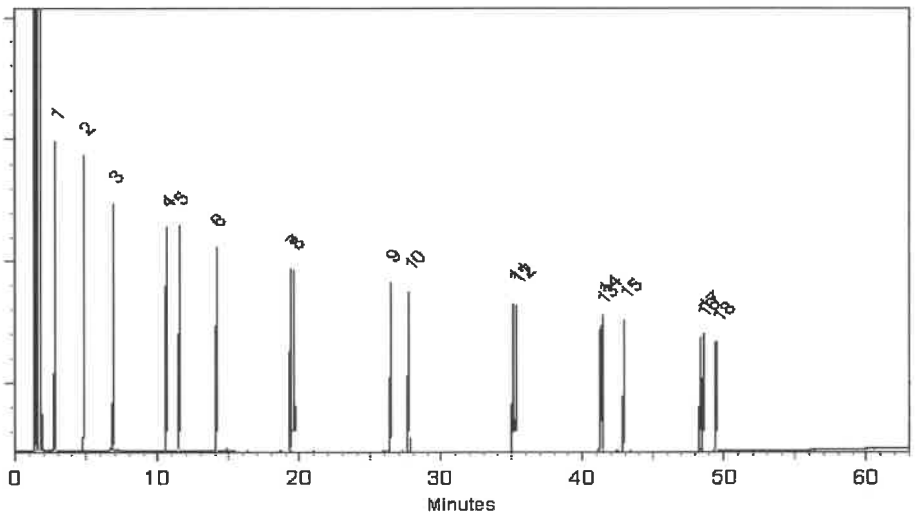
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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.)

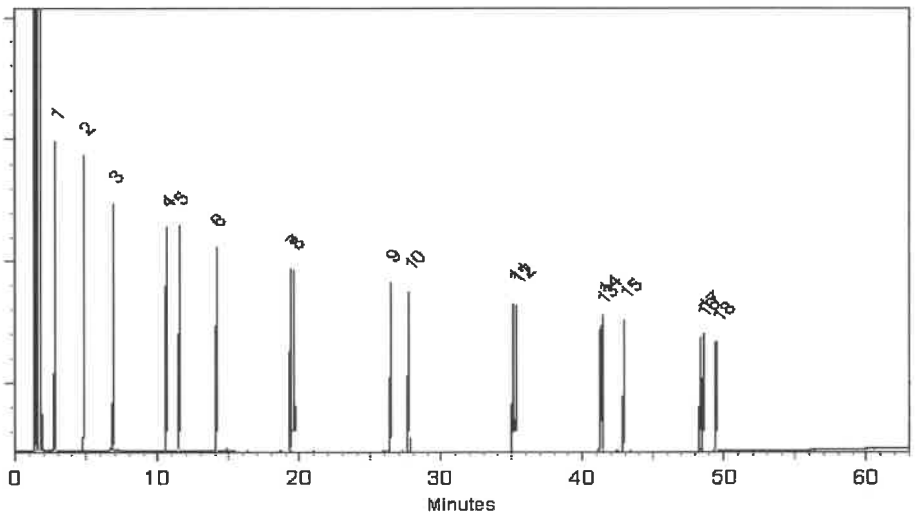
Inj. Temp:
250°C

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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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.)

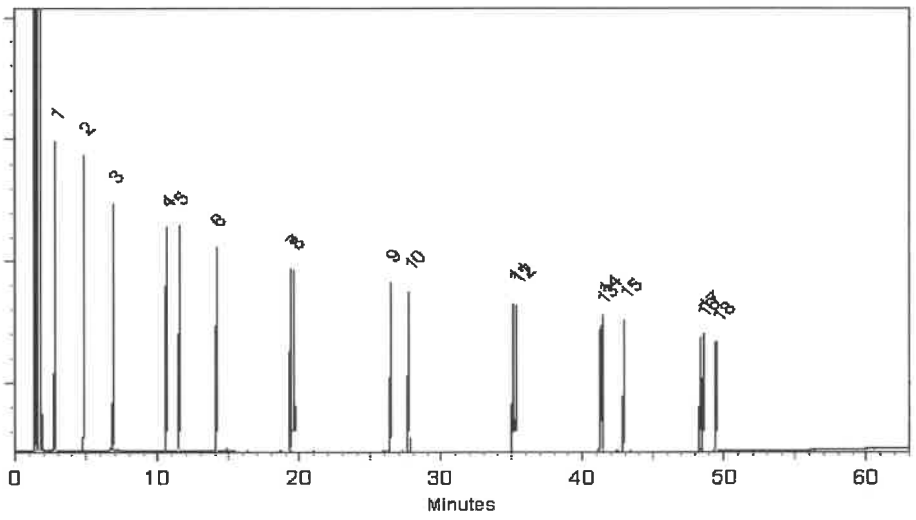
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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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:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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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.)

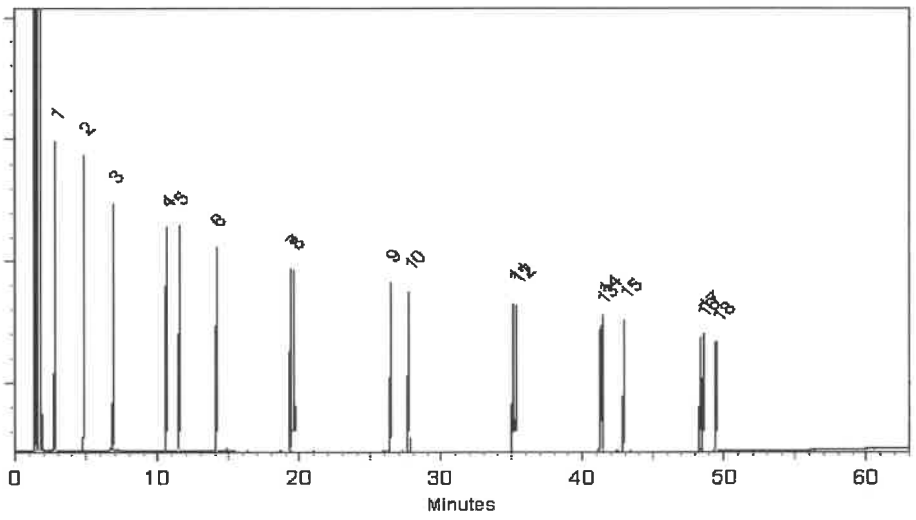
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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.)

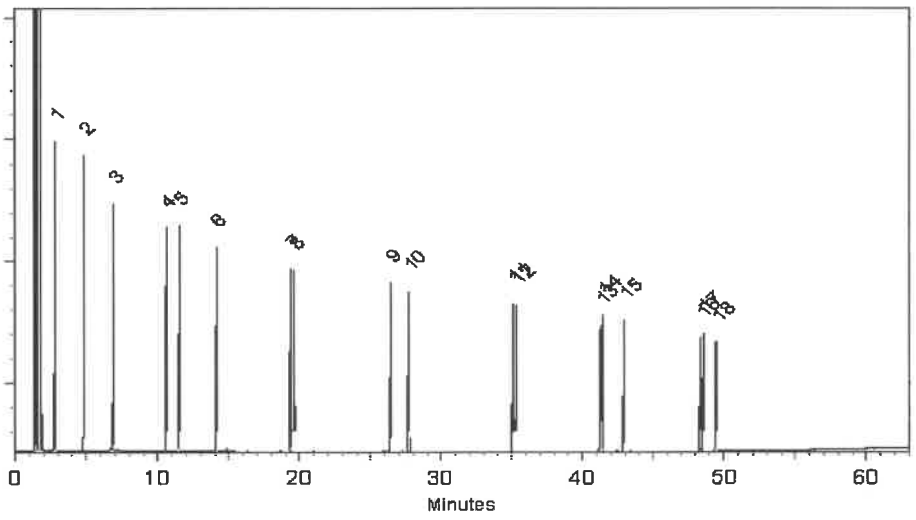
Inj. Temp:
250°C

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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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
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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
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0	µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

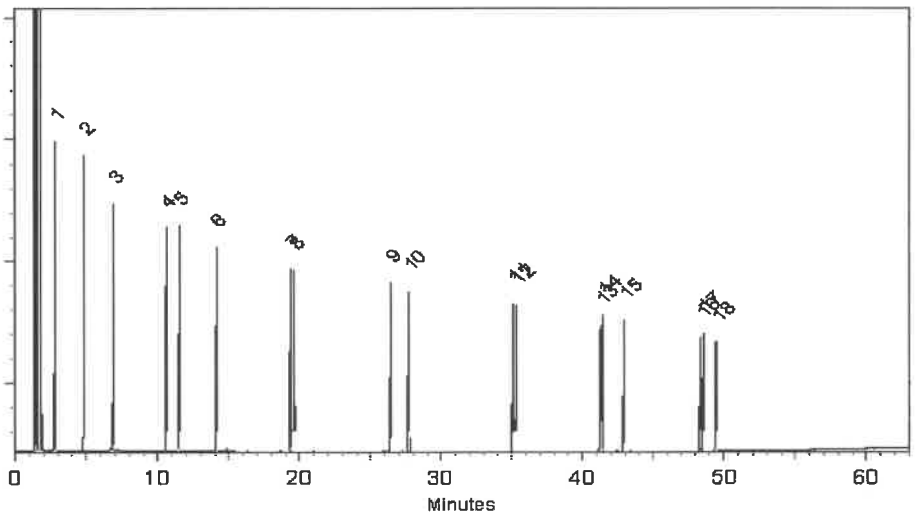
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- 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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chromatographic plus

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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
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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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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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* 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.)

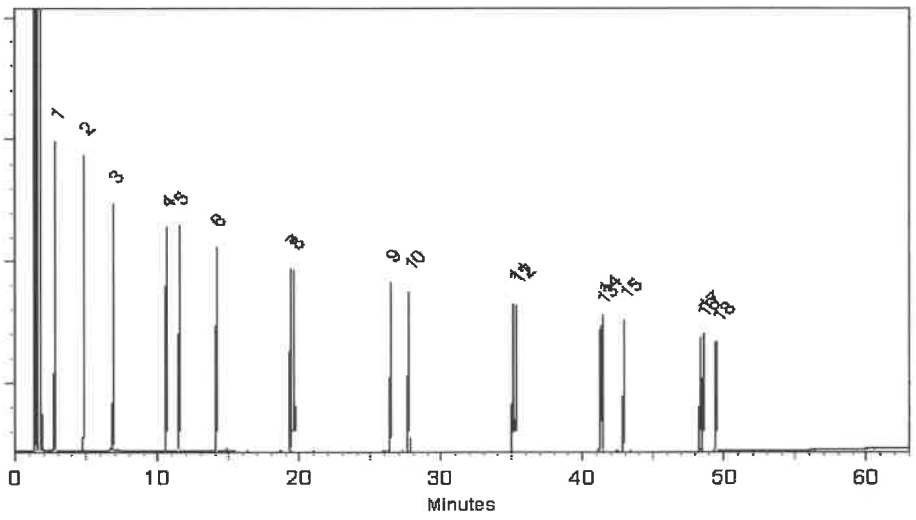
Inj. Temp:
250°C

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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Manufacturing Notes:

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Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.)

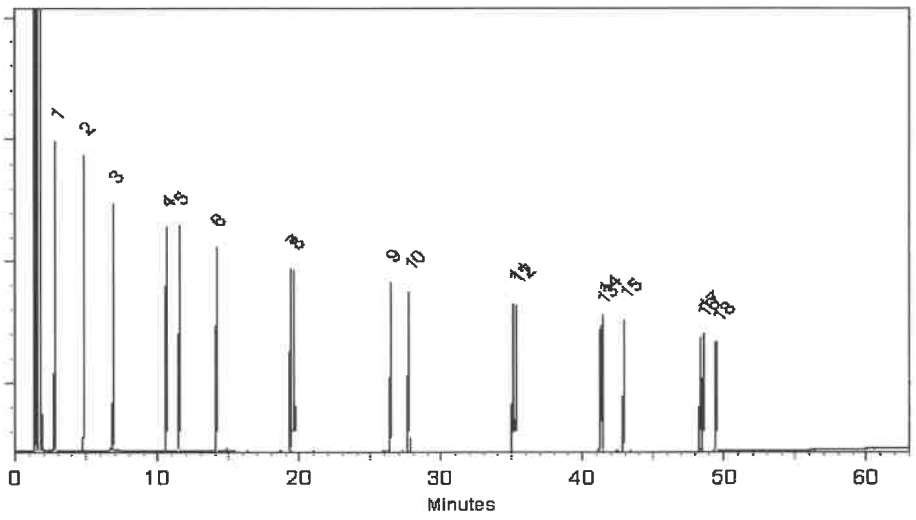
Inj. Temp:
250°C

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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SHIPPING DOCUMENTS

P47218

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 2

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	North Point
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9306

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TPH analysis(EPH Cat2, DRO & GRO) (8015)	COMMENTS
EX-2-TPH-1	TPH	11/5	11:00	Soil	G	Teracore / 8oz	2	X	
EX-2-TPH-2	TPH	11/5	11:00	Soil	G		2	X	
EX-2-TPH-3	TPH	11/5	11:00	Soil	G		2	X	
EX-11-TPH-1	TPH	11/5	11:00	Soil	G		2	X	
EX-11-TPH-2	TPH	11/5	11:00	Soil	G		2	X	
EX-11-TPH-3	TPH	11/5	11:00	Soil	G		2	X	
EX-11-TPH-4	TPH	11/5	11:00	Soil	G		2	X	
EX-9-TPH-1	TPH	11/5	11:00	Soil	G		2	X	
EX-9-TPH-2	TPH	11/5	11:00	Soil	G		2	X	

REQUESTED ANALYSIS/METHOD

SAMPLER	A. Farmerie	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: 3 1 4C

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	11-5-24	SIGNATURE:		SIGNATURE:	11-5-24
PRINTED NAME/COMPANY: Austin Farmerie ENTACT	12:57	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY: Jahmir Davis	1737
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	11-5-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Jahmir Davis	1257	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

P4721

ENTACT

CHAIN OF CUSTODY RECORD

NO. 2 OF 2

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	North Point
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9306

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TPH analysis(EPH Cat2, DRO & GRO) (8015)	COMMENTS
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EX-9-TPH-6	TPH	11/5	11:00	Soil	G		2	X	
EX-9-TPH-7	TPH	11/5	11:00	Soil	G		2	X	
EX-9-TPH-8	TPH	11/5	11:00	Soil	G		2	X	
EX-9-TPH-9	TPH	11/5	11:00	Soil	G		2	X	

SAMPLER	A. Farmerie	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: 3.4°C

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	11-5-24	SIGNATURE:		SIGNATURE:	11-5-24
PRINTED NAME/COMPANY: Austin Farmerie ENTACT	12:57	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY: Jahmir Davis	1732
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	11-5-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Jahmir Davis	1257	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