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Cover Page

Order ID : P4103

Project ID : North Point

Client : ENTACT

Lab Sample Number	Client Sample Number
P4103-01	WC-22A
P4103-02	WC-22A
P4103-03	WC-22A
P4103-04	WC-14-5-7.5A
P4103-05	WC-14-5-7.5A
P4103-06	WC-14-5-7.5A
P4103-07	WC-14-5-7.5B
P4103-08	WC-14-5-7.5B
P4103-09	WC-14-5-7.5B
P4103-10	WC-14-7.5-10A
P4103-11	WC-14-7.5-10A
P4103-12	WC-14-7.5-10A
P4103-13	WC-14-7.5-10B
P4103-14	WC-14-7.5-10B
P4103-15	WC-14-7.5-10B
P4103-16	WC-23
P4103-17	WC-23
P4103-18	WC-23

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: 9/28/2024

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 #: **P4103**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **NILESH PRAJAPATI** **Date:** **09/28/2024**

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LAB CHRONICLE

OrderID:	P4103	**OrderDate:**	9/18/2024 3:16:00 PM
Client:	ENTACT	**Project:**	North Point
Contact:	Chris Lawrence	**Location:**	J11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4103-01	**WC-22A**	**SOIL**			**09/17/24**			**09/18/24**
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Gasoline Range Organics	8015D			09/19/24	
			PCB	8082A		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/20/24	
P4103-01DL	**WC-22ADL**	**Solid**			**09/17/24**			**09/18/24**
			EPH	NJEPH		09/19/24	09/20/24	
P4103-01DL2	**WC-22ADL2**	**Solid**			**09/17/24**			**09/18/24**
			EPH	NJEPH		09/19/24	09/20/24	
P4103-04	**WC-14-5-7.5A**	**SOIL**			**09/17/24**			**09/18/24**
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Gasoline Range Organics	8015D			09/19/24	
			PCB	8082A		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/20/24	
P4103-04DL	**WC-14-5-7.5ADL**	**Solid**			**09/17/24**			**09/18/24**
			EPH	NJEPH		09/19/24	09/20/24	
P4103-07	**WC-14-5-7.5B**	**SOIL**			**09/17/24**			**09/18/24**
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Gasoline Range Organics	8015D			09/20/24	
			PCB	8082A		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/20/24	
P4103-07DL	**WC-14-5-7.5BDL**	**Solid**			**09/17/24**			**09/18/24**

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LAB CHRONICLE

			EPH	NJEPH		09/19/24	09/20/24	
P4103-10	**WC-14-7.5-10A**	**SOIL**			**09/17/24**			**09/18/24**
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Gasoline Range Organics	8015D			09/20/24	
			PCB	8082A		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/20/24	
P4103-10DL	**WC-14-7.5-10ADL**	**Solid**			**09/17/24**			**09/18/24**
			EPH	NJEPH		09/19/24	09/20/24	
P4103-10DL2	**WC-14-7.5-10ADL2**	**Solid**			**09/17/24**			**09/18/24**
			EPH	NJEPH		09/19/24	09/20/24	
P4103-13	**WC-14-7.5-10B**	**SOIL**			**09/17/24**			**09/18/24**
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Diesel Range Organics	8015D		09/19/24	09/20/24	
			Gasoline Range Organics	8015D			09/20/24	
			PCB	8082A		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/19/24	
P4103-16	**WC-23**	**SOIL**			**09/17/24**			**09/18/24**
			Diesel Range Organics	8015D		09/19/24	09/19/24	
			Diesel Range Organics	8015D		09/19/24	09/20/24	
			Gasoline Range Organics	8015D			09/20/24	
			PCB	8082A		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/19/24	
			EPH	NJEPH		09/19/24	09/20/24	
P4103-16DL	**WC-23DL**	**Solid**			**09/17/24**			**09/18/24**
			EPH	NJEPH		09/19/24	09/20/24	

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FC091924AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WC-23	77			0
WC-23MS	66			0
WC-23MSD	62			0
PB163524BL	82			0
PB163524BS	72			0
PB163524BSD	70			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.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FC092024AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WC-23DL	73			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.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FD091924AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WC-23	93	90	49	0
WC-23MS	100	95	49	0
WC-23MSD	102	97	51	0
PB163524BL	82	83	86	0
PB163524BS	109	109	88	0
PB163524BSD	109	109	88	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.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FE091924AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WC-22A	46			0
WC-14-5-7.5A	66			0
WC-14-5-7.5B	54			0
WC-14-7.5-10A	57			0
WC-14-7.5-10B	52			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.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FE092024AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WC-22ADL	55			0
WC-22ADL2	56			0
WC-14-5-7.5ADL	64			0
WC-14-5-7.5BDL	64			0
WC-14-7.5-10ADL	53			0
WC-14-7.5-10ADL2	57			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.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FG091924AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WC-22A	108	94	40	0
WC-14-5-7.5A	108	96	58	0
WC-14-5-7.5B	101	95	44	0
WC-14-7.5-10A	123	113	60	0
WC-14-7.5-10B	87	90	49	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.: P4103 SAS No.: P4103 SDG No.: P4103

Run Number: FG092024AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WC-22ADL	100	74	40	0
WC-14-5-7.5ADL	103	90	57	0
WC-14-5-7.5BDL	82	73	42	0
WC-14-7.5-10ADL	122	99	53	0

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

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

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SOIL EPH SURROGATE RECOVERY

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

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

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : P4103-16MS **Datafile:** FC067184.D

Client ID : WC-23MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.6	20.0	23.0	26	*	(40-140)
Aliphatic C12-C16	7.7	44.0	44.9	12	*	(40-140)
Aliphatic C16-C21	11.6	10.4	18.8	73		(40-140)
Aliphatic C21-C28	15.5	1.36	13.2	76		(40-140)
Aliphatic C28-C40	23.2	6.46	26.5	86		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : P4103-16MSD **Datafile:** FC067185.D

Client ID : WC-23MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	11.6	20.0	24.0	34	*	29 *|	(40-140)	25
Aliphatic C12-C16	7.7	44.0	46.2	29	*	82 *|	(40-140)	25
Aliphatic C16-C21	11.6	10.4	19.1	75		3.65 |	(40-140)	25
Aliphatic C21-C28	15.5	1.36	13.2	77		0.13 |	(40-140)	25
Aliphatic C28-C40	23.2	6.46	26.5	86		0.12 |	(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:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : P4103-16MS **Datafile:** FD048339.D

Client ID : WC-23MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.7	6.32	10.3	52		(40-140)
Aromatic C12-C16	11.6	13.4	19.8	56		(40-140)
Aromatic C16-C21	19.3	10.5	27.1	86		(40-140)
Aromatic C21-C36	30.9	2.82	30.9	91		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : P4103-16MSD **Datafile:** FD048340.D

Client ID : WC-23MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.7	6.32	10.3	52		0 | (40-140)	25
Aromatic C12-C16	11.6	13.4	20.2	59		6.11 | (40-140)	25
Aromatic C16-C21	19.3	10.5	27.8	90		4.21 | (40-140)	25
Aromatic C21-C36	30.9	2.82	30.6	90		0.89 | (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:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : PB163524BS **Datafile:** FC067180.D

Client ID : PB163524BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.98	60		(40-140)
Aliphatic C12-C16	6.7	5.30	80		(40-140)
Aliphatic C16-C21	10.0	9.56	96		(40-140)
Aliphatic C21-C28	13.3	13.1	98		(40-140)
Aliphatic C28-C40	20.0	22.2	111		(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:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : PB163524BSD **Datafile:** FC067181.D

Client ID : PB163524BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	6.15	62		2.9|	(40-140)	50
Aliphatic C12-C16	6.7	5.41	81		2.2|	(40-140)	50
Aliphatic C16-C21	10	9.65	97		1|	(40-140)	50
Aliphatic C21-C28	13.3	13.4	100		2.3|	(40-140)	50
Aliphatic C28-C40	20.0	23.0	115		3.6|	(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:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : PB163524BS **Datafile:** FD048335.D

Client ID : PB163524BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	5.50	82		(40-140)
Aromatic C12-C16	10.0	9.16	92		(40-140)
Aromatic C16-C21	16.7	18.1	108		(40-140)
Aromatic C21-C36	26.7	27.8	104		(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:** P4103 **SAS No :** P4103 **SDG No:** P4103

Sample No : PB163524BSD **Datafile:** FD048336.D

Client ID : PB163524BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.51	83		0.28|	(40-140)	50
Aromatic C12-C16	10	9.17	92		0.2|	(40-140)	50
Aromatic C16-C21	16.7	20.9	125		15|	(40-140)	50
Aromatic C21-C36	26.6	27.5	103		0.745|	(40-140)	50

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163524BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4103 SAS No.: P4103 SDG NO.: P4103

Instrument ID: FID_C Lab Sample ID: PB163524BL

Matrix: (soil/water) Solid Date Extracted: 9/19/2024 12:25:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB163524BS	PB163524BS
PB163524BSD	PB163524BSD
WC-22A	P4103-01
WC-14-5-7.5A	P4103-04
WC-14-5-7.5B	P4103-07
WC-14-7.5-10A	P4103-10
WC-14-7.5-10B	P4103-13
WC-23	P4103-16
WC-23MS	P4103-16MS
WC-23MSD	P4103-16MSD

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	ENTACT			Date Collected:	09/17/24
Project:	North Point			Date Received:	09/18/24
Client Sample ID:	WC-22A			SDG No.:	P4103
Lab Sample ID:	P4103-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.7
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
09/19/24 12:25	09/20/24 9:14	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	110		10	4.09	10.8	mg/kg	FE050235.D
Aliphatic C12-C16	Aliphatic C12-C16	397		50	12.9	35.9	mg/kg	FE050236.D
Aliphatic C16-C21	Aliphatic C16-C21	74.4		10	3.23	10.8	mg/kg	FE050235.D
Aliphatic C21-C28	Aliphatic C21-C28	7.76		1	0.86	1.44	mg/kg	FE050217.D
Aliphatic C28-C40	Aliphatic C28-C40	13.6		1	1.94	2.15	mg/kg	FE050217.D
Aromatic C10-C12	Aromatic C10-C12	9.13		1	0.32	0.72	mg/kg	FG014281.D
Aromatic C12-C16	Aromatic C12-C16	86.7		5	1.83	5.39	mg/kg	FG014299.D
Aromatic C16-C21	Aromatic C16-C21	67.5		5	5.17	8.98	mg/kg	FG014299.D
Aromatic C21-C36	Aromatic C21-C36	6.52		1	2.15	2.87	mg/kg	FG014281.D
Total AliphaticEPH	Total AliphaticEPH	603			23.0	61.1	mg/kg	
Total AromaticEPH	Total AromaticEPH	170			9.47	18.0	mg/kg	
Total EPH	Total EPH	773			32.5	79.0	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:	09/17/24
Project:	North Point			Date Received:	09/18/24
Client Sample ID:	WC-22A			SDG No.:	P4103
Lab Sample ID:	P4103-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.7
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
FE050217.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	94.6	E	0.41	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	349	E	0.26	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	62.5	E	0.32	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	7.76		0.86	1.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.6		1.94	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.1		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-01	Acq On:	19 Sep 2024 21:10
Client Sample ID:	WC-22A	Operator:	YP\AJ
Data file:	FE050217.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.159	6.778	180892880	1320	300	ug/ml
Aliphatic C12-C16	6.779	10.211	668632438	4860	200	ug/ml
Aliphatic C16-C21	10.212	13.571	117638788	870.016	300	ug/ml
Aliphatic C21-C28	13.572	17.227	13977458	108.027	400	ug/ml
Aliphatic C28-C40	17.228	22.082	22745895	189.396	600	ug/ml
Aliphatic EPH	3.159	22.082	1003887459	7350		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	2599211	23.14		ug/ml
Aliphatic C9-C28	3.159	17.227	981141564	7160	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050217.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 21:10
Operator : YP\AJ
Sample : P4103-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-22A

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 01:37:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.306	2599211	23.140 ug/mlm
Spiked Amount 50.000		Recovery = 46.28%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050217.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 21:10
Operator : YP\AJ
Sample : P4103-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

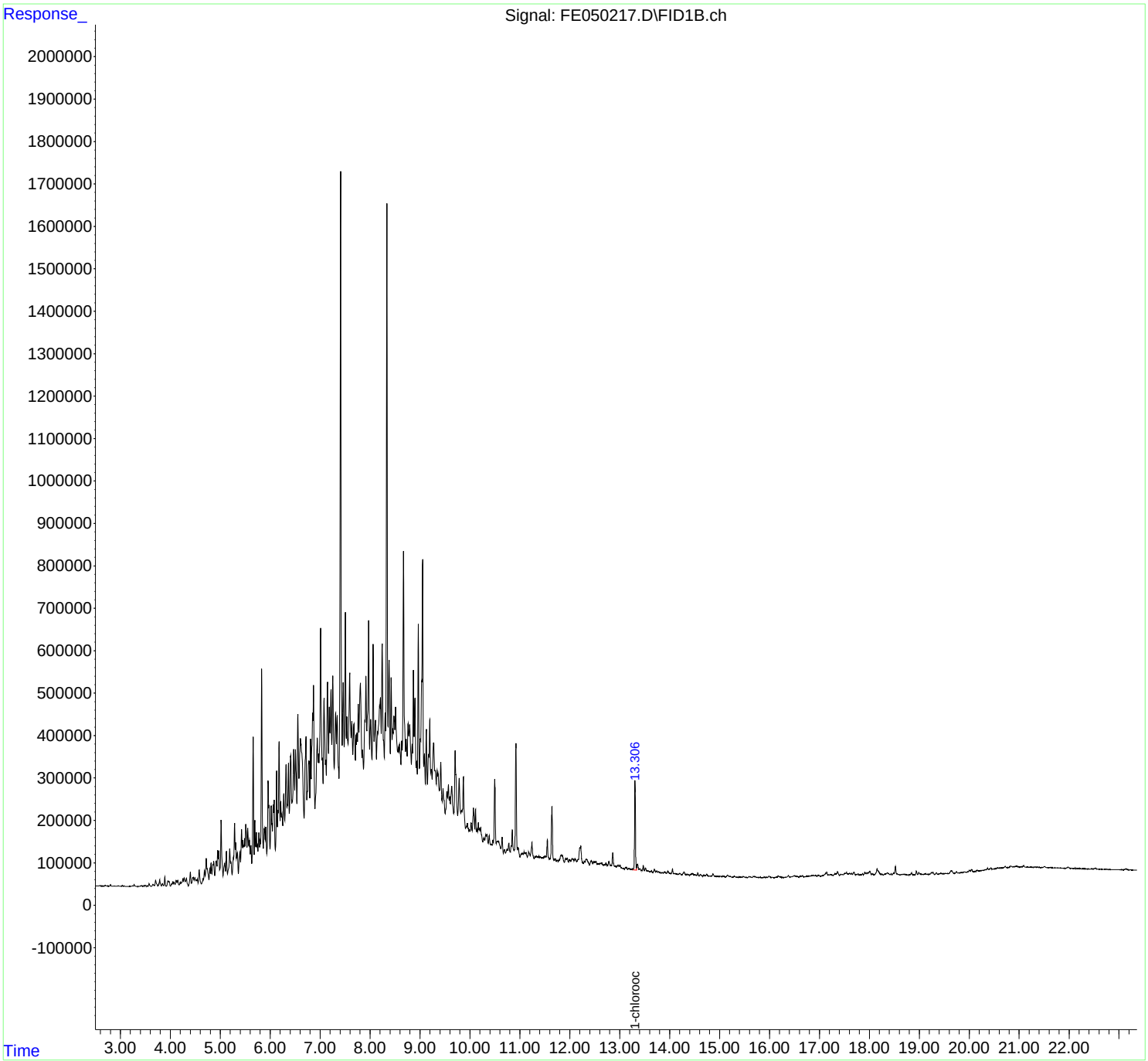
Instrument :
FID_E
ClientSampleId :
WC-22A

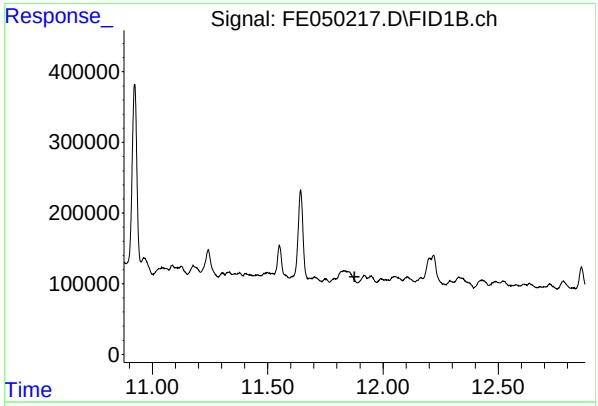
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 01:37:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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





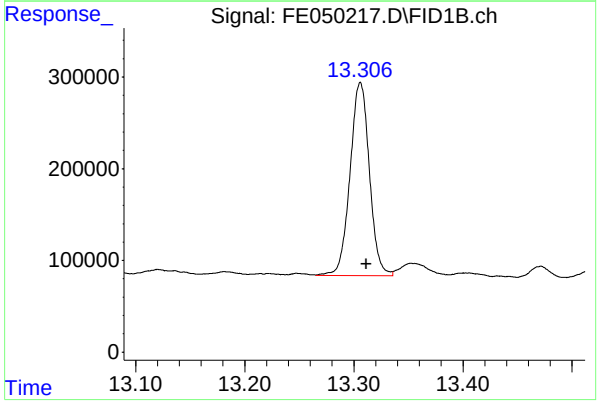
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-22A

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.306 min
Delta R.T.: -0.006 min
Response: 2599211
Conc: 23.14 ug/ml m

Instrument :
FID_E
ClientSampleId :
WC-22A

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE09192
Data File : FE050217.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 21:10
Sample : P4103-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.135	3.104	3.156	BV	116	1116	0.00%	0.000%
2	3.185	3.156	3.202	PV	769	8550	0.03%	0.001%
3	3.219	3.202	3.226	VV	777	8173	0.03%	0.001%
4	3.245	3.226	3.258	VV	1824	23677	0.08%	0.002%
5	3.276	3.258	3.349	VV	4538	68511	0.24%	0.007%
6	3.371	3.349	3.381	PV	348	3879	0.01%	0.000%
7	3.401	3.381	3.414	VV	2042	21849	0.08%	0.002%
8	3.429	3.414	3.452	VV	2354	28215	0.10%	0.003%
9	3.472	3.452	3.485	VV	2625	31006	0.11%	0.003%
10	3.501	3.485	3.521	VV	2654	37021	0.13%	0.004%
11	3.539	3.521	3.554	VV	1869	21968	0.08%	0.002%
12	3.575	3.554	3.614	VV	6127	87925	0.31%	0.009%
13	3.653	3.614	3.684	VV	5318	105074	0.37%	0.010%
14	3.705	3.684	3.750	VV	14451	262898	0.93%	0.026%
15	3.787	3.750	3.820	VV	15351	256931	0.91%	0.025%
16	3.841	3.820	3.867	VV	6784	102748	0.36%	0.010%
17	3.889	3.867	3.916	VV	22389	231685	0.82%	0.023%
18	3.952	3.916	3.965	VV	13015	194710	0.69%	0.019%
19	3.975	3.965	4.003	VV	11533	152635	0.54%	0.015%
20	4.048	4.003	4.060	PV	10480	179568	0.64%	0.018%
21	4.073	4.060	4.096	VV	9622	147744	0.52%	0.015%
22	4.117	4.096	4.133	VV	13569	212930	0.75%	0.021%
23	4.149	4.133	4.176	VV	13935	215047	0.76%	0.021%
24	4.198	4.176	4.210	VV	9528	123400	0.44%	0.012%
25	4.251	4.210	4.262	VV	17885	339744	1.20%	0.034%
26	4.279	4.262	4.299	VV	19252	325819	1.15%	0.032%
27	4.322	4.299	4.360	VV	18234	349597	1.24%	0.035%
28	4.401	4.360	4.424	VV	33238	502336	1.78%	0.050%
29	4.460	4.424	4.474	VV	20323	450189	1.59%	0.045%
30	4.491	4.474	4.513	VV	19791	370196	1.31%	0.037%
31	4.540	4.513	4.556	VV	15336	328333	1.16%	0.033%
32	4.578	4.556	4.623	VV	37552	685368	2.43%	0.068%
33	4.684	4.623	4.699	VV	35593	803573	2.84%	0.080%
34	4.720	4.699	4.773	VV	63990	1648806	5.84%	0.163%
35	4.791	4.773	4.802	VV	40510	502040	1.78%	0.050%
36	4.816	4.802	4.831	VV	54005	704382	2.49%	0.070%

Instrument :
FID_E
ClientSampleId :
WC-22A

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

rteres

37	4.869	4.831	4.889	VV	57915	1478046	5.23%	0.147%
38	4.923	4.889	4.934	VV	58308	1255393		
39	4.949	4.934	4.961	VV	82927	1060804		
40	4.971	4.961	4.990	VV	82408	1077024		
41	5.018	4.990	5.057	VV	154544	2831676		
42	5.089	5.057	5.105	VV	52271	1206359		
43	5.123	5.105	5.146	VV	80387	1244461	4.41%	0.123%
44	5.190	5.146	5.237	VV	86423	2709525	9.59%	0.269%
45	5.287	5.237	5.324	VV	146307	4126062	14.61%	0.409%
46	5.342	5.324	5.363	VV	76764	1418343	5.02%	0.141%
47	5.394	5.363	5.407	VV	79272	1552807	5.50%	0.154%
48	5.428	5.407	5.441	VV	132012	2003324	7.09%	0.199%
49	5.451	5.441	5.475	VV	106491	1923383	6.81%	0.191%
50	5.489	5.475	5.497	VV	110113	1356500	4.80%	0.134%
51	5.512	5.497	5.536	VV	143534	2731403	9.67%	0.271%
52	5.550	5.536	5.572	VV	133897	2436739	8.63%	0.242%
53	5.585	5.572	5.601	VV	105042	1594896	5.65%	0.158%
54	5.614	5.601	5.632	VV	93910	1423195	5.04%	0.141%
55	5.660	5.632	5.679	VV	350866	4769151	16.88%	0.473%
56	5.693	5.679	5.710	VV	152058	2117912	7.50%	0.210%
57	5.724	5.710	5.755	VV	123601	2678470	9.48%	0.266%
58	5.774	5.755	5.790	VV	123646	2166643	7.67%	0.215%
59	5.830	5.790	5.862	VV	509330	8691293	30.77%	0.862%
60	5.882	5.862	5.900	VV	132897	2615388	9.26%	0.259%
61	5.913	5.900	5.932	VV	136323	2127562	7.53%	0.211%
62	5.960	5.932	5.997	VV	243026	5904426	20.90%	0.585%
63	6.019	5.997	6.045	VV	185902	4032379	14.27%	0.400%
64	6.062	6.045	6.070	VV	188331	2477931	8.77%	0.246%
65	6.080	6.070	6.103	VV	200282	2958297	10.47%	0.293%
66	6.129	6.103	6.145	VV	267444	4148391	14.68%	0.411%
67	6.178	6.145	6.199	VV	336453	7015105	24.83%	0.695%
68	6.212	6.199	6.251	VV	196267	5192124	18.38%	0.515%
69	6.272	6.251	6.292	VV	214238	4311591	15.26%	0.427%
70	6.318	6.292	6.336	VV	282398	5755150	20.37%	0.571%
71	6.365	6.336	6.384	VV	286337	6151947	21.78%	0.610%
72	6.411	6.384	6.434	VV	303812	7193758	25.47%	0.713%
73	6.472	6.434	6.491	VV	318572	8438400	29.87%	0.837%
74	6.507	6.491	6.534	VV	316829	6758743	23.93%	0.670%
75	6.555	6.534	6.578	VV	400920	7905722	27.99%	0.784%
76	6.608	6.578	6.679	VV	343650	16977344	60.10%	1.683%
77	6.717	6.679	6.734	VV	349444	8583673	30.39%	0.851%
78	6.778	6.734	6.795	VV	291176	8955013	31.70%	0.888%
79	6.809	6.795	6.821	VV	341496	4412302	15.62%	0.437%
80	6.868	6.821	6.898	VV	469414	15340462	54.30%	1.521%
81	6.944	6.898	6.958	VV	344364	9576044	33.90%	0.949%
82	6.966	6.958	6.977	VV	307333	3526373	12.48%	0.350%
83	7.010	6.977	7.059	VV	601615	18147750	64.24%	1.799%
84	7.079	7.059	7.124	VV	437210	12709822	44.99%	1.260%
85	7.148	7.124	7.169	VV	475072	10254385	36.30%	1.017%
86	7.185	7.169	7.198	VV	416150	6402462	22.66%	0.635%
87	7.217	7.198	7.235	VV	458481	8571824	30.34%	0.850%
88	7.254	7.235	7.283	VV	490377	11023630	39.02%	1.093%
89	7.310	7.283	7.326	VV	402440	9094774	32.19%	0.902%

Instrument :
FID_E
ClientSampleId :
WC-22A

rteres

Manual IntegrationsAPPROVED

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90	7.342	7.326	7.378	VV	397589	10145261	35.91%	1.006%
91	7.412	7.378	7.443	VV	1679462	28249577	100	
92	7.463	7.443	7.483	VV	475150	9610883	34	
93	7.507	7.483	7.526	VV	639784	11628995	41	
94	7.537	7.526	7.560	VV	393295	7345979	26	
95	7.593	7.560	7.622	VV	494559	14881368	52	
96	7.636	7.622	7.656	VV	381106	7095602	25.12%	0.703%
97	7.676	7.656	7.706	VV	374783	10269866	36.35%	1.018%
98	7.721	7.706	7.730	VV	349521	4629196	16.39%	0.459%
99	7.765	7.730	7.778	VV	421850	10586286	37.47%	1.049%
100	7.806	7.778	7.839	VV	470082	14589610	51.65%	1.446%
101	7.849	7.839	7.870	VV	314676	5491784	19.44%	0.544%
102	7.919	7.870	7.936	VV	489114	15090403	53.42%	1.496%
103	7.973	7.936	7.992	VV	619836	14924019	52.83%	1.479%
104	8.013	7.992	8.038	VV	386804	9472055	33.53%	0.939%
105	8.063	8.038	8.083	VV	563408	11095567	39.28%	1.100%
106	8.110	8.083	8.129	VV	384975	9765551	34.57%	0.968%
107	8.207	8.129	8.224	VV	437090	21543786	76.26%	2.136%
108	8.244	8.224	8.286	VV	564615	15229644	53.91%	1.510%
109	8.304	8.286	8.313	VV	400272	5726079	20.27%	0.568%
110	8.338	8.313	8.361	VV	1593164	23467524	83.07%	2.326%
111	8.382	8.361	8.406	VV	525710	11608215	41.09%	1.151%
112	8.425	8.406	8.444	VV	484141	8997385	31.85%	0.892%
113	8.455	8.444	8.463	VV	363745	3983535	14.10%	0.395%
114	8.480	8.463	8.499	VV	391988	8048603	28.49%	0.798%
115	8.513	8.499	8.555	VV	415586	12187659	43.14%	1.208%
116	8.568	8.555	8.578	VV	319983	4338701	15.36%	0.430%
117	8.591	8.578	8.619	VV	326923	7466416	26.43%	0.740%
118	8.635	8.619	8.645	VV	334166	4961859	17.56%	0.492%
119	8.671	8.645	8.712	VV	781090	18521192	65.56%	1.836%
120	8.725	8.712	8.744	VV	338239	6208863	21.98%	0.616%
121	8.762	8.744	8.779	VV	376368	7168478	25.38%	0.711%
122	8.794	8.779	8.828	VV	370931	10045209	35.56%	0.996%
123	8.870	8.828	8.884	VV	500461	12134834	42.96%	1.203%
124	8.900	8.884	8.924	VV	436490	8666325	30.68%	0.859%
125	8.934	8.924	8.946	VV	286030	3754938	13.29%	0.372%
126	8.968	8.946	8.991	VV	609565	10721415	37.95%	1.063%
127	9.053	8.991	9.078	VV	766811	22253893	78.78%	2.206%
128	9.090	9.078	9.108	VV	303680	5129641	18.16%	0.509%
129	9.128	9.108	9.151	VV	360795	7367511	26.08%	0.730%
130	9.197	9.151	9.244	VV	384229	16164889	57.22%	1.602%
131	9.273	9.244	9.328	VV	327729	14022774	49.64%	1.390%
132	9.344	9.328	9.356	VV	264225	4241773	15.02%	0.421%
133	9.364	9.356	9.388	VV	256994	4594400	16.26%	0.455%
134	9.418	9.388	9.446	VV	283935	8139395	28.81%	0.807%
135	9.464	9.446	9.504	VV	220477	6792077	24.04%	0.673%
136	9.541	9.504	9.553	VV	214428	5532481	19.58%	0.548%
137	9.571	9.553	9.587	VV	231151	4296731	15.21%	0.426%
138	9.596	9.587	9.608	VV	202202	2492050	8.82%	0.247%
139	9.637	9.608	9.676	VV	226487	7967778	28.20%	0.790%
140	9.705	9.676	9.755	VV	308932	10380141	36.74%	1.029%
141	9.786	9.755	9.817	VV	244666	7180303	25.42%	0.712%

Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

rteres

142	9.870	9.817	9.914	VV	248917	10139094	35.89%	1.005%
143	9.949	9.914	9.988	VV	137789	5692123	20	
144	9.994	9.988	10.004	VV	123068	1190639	4	
145	10.025	10.004	10.045	VV	139640	3151223	11	
146	10.072	10.045	10.098	VV	174667	4775144	16	
147	10.114	10.098	10.134	VV	170875	3132176	11	
148	10.170	10.134	10.205	VV	140140	5283712	18.70%	0.524%
149	10.216	10.205	10.259	VV	128439	3621391	12.82%	0.359%
150	10.277	10.259	10.301	VV	103569	2528454	8.95%	0.251%
151	10.321	10.301	10.331	VV	110779	1879102	6.65%	0.186%
152	10.342	10.331	10.368	VV	112467	2330409	8.25%	0.231%
153	10.388	10.368	10.419	VV	108861	2939975	10.41%	0.291%
154	10.427	10.419	10.442	VV	88638	1208428	4.28%	0.120%
155	10.461	10.442	10.471	VV	97885	1644312	5.82%	0.163%
156	10.499	10.471	10.528	VV	241247	5124383	18.14%	0.508%
157	10.566	10.528	10.616	VV	95259	4804083	17.01%	0.476%
158	10.646	10.616	10.672	VV	105727	2838771	10.05%	0.281%
159	10.691	10.672	10.715	VV	75545	1854133	6.56%	0.184%
160	10.745	10.715	10.756	VV	76904	1793028	6.35%	0.178%
161	10.780	10.756	10.808	VV	90049	2435832	8.62%	0.241%
162	10.850	10.808	10.886	VV	121217	4069866	14.41%	0.403%
163	10.923	10.886	10.951	VV	327779	6291543	22.27%	0.624%
164	10.964	10.951	11.002	VV	79400	2159279	7.64%	0.214%
165	11.044	11.002	11.071	VV	65796	2610979	9.24%	0.259%
166	11.086	11.071	11.110	VV	69369	1572988	5.57%	0.156%
167	11.125	11.110	11.152	VV	68194	1595813	5.65%	0.158%
168	11.178	11.152	11.209	VV	68859	2170198	7.68%	0.215%
169	11.242	11.209	11.285	VV	91051	3138281	11.11%	0.311%
170	11.303	11.285	11.314	VV	58254	957053	3.39%	0.095%
171	11.331	11.314	11.347	VV	59294	1148436	4.07%	0.114%
172	11.359	11.347	11.366	VV	57274	637469	2.26%	0.063%
173	11.378	11.366	11.392	VV	58434	891871	3.16%	0.088%
174	11.404	11.392	11.438	VV	57094	1536751	5.44%	0.152%
175	11.455	11.438	11.470	VV	55404	1041578	3.69%	0.103%
176	11.499	11.470	11.526	VV	58505	1945093	6.89%	0.193%
177	11.551	11.526	11.594	VV	96996	2669374	9.45%	0.265%
178	11.643	11.594	11.690	VV	175319	4697271	16.63%	0.466%
179	11.704	11.690	11.733	VV	51717	1276582	4.52%	0.127%
180	11.749	11.733	11.768	VV	49053	989716	3.50%	0.098%
181	11.831	11.768	11.890	VV	60492	3875131	13.72%	0.384%
182	11.920	11.890	11.933	VV	53850	1295907	4.59%	0.128%
183	11.948	11.933	11.974	VV	52474	1207944	4.28%	0.120%
184	11.992	11.974	12.027	VV	49014	1480582	5.24%	0.147%
185	12.050	12.027	12.085	VV	51781	1741356	6.16%	0.173%
186	12.106	12.085	12.141	VV	51700	1618463	5.73%	0.160%
187	12.218	12.141	12.271	VV	81745	4434787	15.70%	0.440%
188	12.291	12.271	12.307	VV	45294	919722	3.26%	0.091%
189	12.329	12.307	12.395	VV	50598	2373939	8.40%	0.235%
190	12.430	12.395	12.459	VV	46626	1637900	5.80%	0.162%
191	12.488	12.459	12.505	VV	44522	1173264	4.15%	0.116%
192	12.521	12.505	12.561	VV	44789	1381232	4.89%	0.137%
193	12.577	12.561	12.594	VV	39523	759657	2.69%	0.075%
194	12.611	12.594	12.623	VV	40369	693738	2.46%	0.069%

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rteres

195	12.635	12.623	12.670	VV	41508	1072104	3.80%	0.106%
196	12.682	12.670	12.689	VV	36632	419784		
197	12.722	12.689	12.755	VV	40291	1467537		
198	12.782	12.755	12.816	VV	43956	1392539		
199	12.825	12.816	12.835	VV	34757	391065		
200	12.861	12.835	12.938	VV	64060	2414024		
201	12.971	12.938	12.988	VV	34995	1011644	3.58%	0.100%
202	13.005	12.988	13.096	VV	35520	1891874	6.70%	0.188%
203	13.121	13.096	13.159	VV	30155	1045551	3.70%	0.104%
204	13.182	13.159	13.204	VV	27765	706581	2.50%	0.070%
205	13.222	13.204	13.237	VV	25563	496041	1.76%	0.049%
206	13.249	13.237	13.264	VV	25788	398979	1.41%	0.040%
207	13.306	13.264	13.335	VV	233661	3584514	12.69%	0.355%
208	13.354	13.335	13.387	VV	36387	966784	3.42%	0.096%
209	13.403	13.387	13.451	VV	25851	907286	3.21%	0.090%
210	13.471	13.451	13.494	VV	33089	677058	2.40%	0.067%
211	13.515	13.494	13.601	VV	27141	1383873	4.90%	0.137%
212	13.634	13.601	13.659	VV	21070	648312	2.29%	0.064%
213	13.693	13.659	13.721	VV	24167	745925	2.64%	0.074%
214	13.739	13.721	13.763	VV	20241	470087	1.66%	0.047%
215	13.779	13.763	13.830	VV	18435	667445	2.36%	0.066%
216	13.845	13.830	13.875	VV	15885	416200	1.47%	0.041%
217	13.905	13.875	13.936	VV	17445	589653	2.09%	0.058%
218	13.965	13.936	13.995	VV	18508	569353	2.02%	0.056%
219	14.005	13.995	14.031	VV	14344	298872	1.06%	0.030%
220	14.055	14.031	14.094	VV	24202	624896	2.21%	0.062%
221	14.105	14.094	14.124	VV	13467	229937	0.81%	0.023%
222	14.136	14.124	14.167	VV	12813	308825	1.09%	0.031%
223	14.201	14.167	14.231	VV	13325	460141	1.63%	0.046%
224	14.242	14.231	14.247	VV	10613	101456	0.36%	0.010%
225	14.288	14.247	14.317	VV	16862	554584	1.96%	0.055%
226	14.329	14.317	14.340	VV	10905	149519	0.53%	0.015%
227	14.356	14.340	14.397	VV	11282	351586	1.24%	0.035%
228	14.466	14.397	14.488	VV	12123	593959	2.10%	0.059%
229	14.504	14.488	14.531	VV	10299	239450	0.85%	0.024%
230	14.563	14.531	14.593	VV	14193	369619	1.31%	0.037%
231	14.617	14.593	14.651	VV	10732	291156	1.03%	0.029%
232	14.682	14.651	14.717	VV	9198	307806	1.09%	0.031%
233	14.742	14.717	14.789	VV	10582	344166	1.22%	0.034%
234	14.804	14.789	14.820	VV	6284	113892	0.40%	0.011%
235	14.868	14.820	14.958	VV	11209	549210	1.94%	0.054%
236	14.966	14.958	14.972	VV	5286	42728	0.15%	0.004%
237	14.986	14.972	14.994	VV	5358	69650	0.25%	0.007%
238	15.010	14.994	15.047	VV	5379	163732	0.58%	0.016%
239	15.073	15.047	15.101	VV	5651	156333	0.55%	0.015%
240	15.108	15.101	15.127	VV	4504	65889	0.23%	0.007%
241	15.158	15.127	15.194	VV	7887	232524	0.82%	0.023%
242	15.205	15.194	15.254	VV	4916	143472	0.51%	0.014%
243	15.293	15.254	15.334	VV	5325	172173	0.61%	0.017%
244	15.343	15.334	15.373	VV	2815	61147	0.22%	0.006%
245	15.406	15.373	15.444	VV	3580	123655	0.44%	0.012%
246	15.479	15.444	15.551	VV	3957	169511	0.60%	0.017%

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rteres

247	15.588	15.551	15.648	VV	3481	136775	0.48%	0.014%
248	15.684	15.648	15.764	VV	3809	181970	0	
249	15.771	15.764	15.791	VV	1553	18897	0	
250	15.811	15.791	15.831	VV	2649	37190	0	
251	15.849	15.831	15.862	VV	1101	14361	0	
252	15.896	15.862	15.916	VV	2219	44025	0	
253	15.934	15.916	15.957	VV	1782	34221	0.12%	0.003%
254	15.988	15.957	16.030	VV	4430	106856	0.38%	0.011%
255	16.060	16.030	16.104	VV	1510	39471	0.14%	0.004%
256	16.178	16.104	16.254	VV	4309	160343	0.57%	0.016%
257	16.268	16.254	16.286	VV	662	7470	0.03%	0.001%
258	16.315	16.286	16.328	PV	1428	19807	0.07%	0.002%
259	16.378	16.328	16.416	VV	4391	116098	0.41%	0.012%
260	16.502	16.416	16.523	VV	3796	165029	0.58%	0.016%
261	16.534	16.523	16.551	VV	2981	43729	0.15%	0.004%
262	16.561	16.551	16.583	VV	2207	30383	0.11%	0.003%
263	16.620	16.583	16.644	VV	3148	80577	0.29%	0.008%
264	16.660	16.644	16.686	VV	4092	61444	0.22%	0.006%
265	16.777	16.686	16.797	VV	2608	116249	0.41%	0.012%
266	16.821	16.797	16.835	VV	3417	67226	0.24%	0.007%
267	16.870	16.835	16.906	VV	4030	155720	0.55%	0.015%
268	16.923	16.906	16.948	VV	4185	82455	0.29%	0.008%
269	16.988	16.948	17.028	VV	4230	144780	0.51%	0.014%
270	17.059	17.028	17.067	VV	3008	58314	0.21%	0.006%
271	17.146	17.067	17.167	VV	11149	379157	1.34%	0.038%
272	17.179	17.167	17.198	VV	5031	82986	0.29%	0.008%
273	17.219	17.198	17.270	VV	5781	195062	0.69%	0.019%
274	17.365	17.270	17.401	VV	11741	512103	1.81%	0.051%
275	17.432	17.401	17.474	VV	5079	201383	0.71%	0.020%
276	17.514	17.474	17.524	VV	7568	184533	0.65%	0.018%
277	17.540	17.524	17.561	VV	9516	172727	0.61%	0.017%
278	17.578	17.561	17.588	VV	6579	101762	0.36%	0.010%
279	17.606	17.588	17.627	VV	7933	150231	0.53%	0.015%
280	17.644	17.627	17.664	VV	7234	133634	0.47%	0.013%
281	17.691	17.664	17.724	VV	9999	244983	0.87%	0.024%
282	17.742	17.724	17.751	VV	4900	73221	0.26%	0.007%
283	17.774	17.751	17.834	VV	5999	205693	0.73%	0.020%
284	17.862	17.834	17.882	VV	5867	121628	0.43%	0.012%
285	17.908	17.882	17.935	VV	8729	205812	0.73%	0.020%
286	17.955	17.935	17.970	VV	8045	144753	0.51%	0.014%
287	18.009	17.970	18.038	VV	11738	331178	1.17%	0.033%
288	18.054	18.038	18.074	VV	5532	98893	0.35%	0.010%
289	18.084	18.074	18.104	VV	3955	65691	0.23%	0.007%
290	18.153	18.104	18.232	VV	17053	647577	2.29%	0.064%
291	18.252	18.232	18.278	VV	4428	96688	0.34%	0.010%
292	18.357	18.278	18.413	VV	6785	354484	1.25%	0.035%
293	18.434	18.413	18.453	VV	4645	79492	0.28%	0.008%
294	18.521	18.453	18.544	VV	21321	442634	1.57%	0.044%
295	18.555	18.544	18.574	VV	4352	64687	0.23%	0.006%
296	18.587	18.574	18.611	VV	2978	50739	0.18%	0.005%
297	18.635	18.611	18.654	VV	2559	50067	0.18%	0.005%
298	18.678	18.654	18.699	VV	3270	68568	0.24%	0.007%
299	18.715	18.699	18.762	VV	2874	70461	0.25%	0.007%

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300	18.774	18.762	18.791	VV	1298	18114	0.06%	0.002%
301	18.844	18.791	18.880	VV	5448	136755		
302	18.891	18.880	18.911	VV	1325	19092		
303	18.941	18.911	18.967	VV	9823	144228		
304	18.990	18.967	19.061	VV	6897	175263		
305	19.078	19.061	19.089	VV	2306	30645		
306	19.122	19.089	19.148	VV	3169	79159	0.28%	0.008%
307	19.155	19.148	19.178	VV	2046	30034	0.11%	0.003%
308	19.242	19.178	19.256	VV	6183	143847	0.51%	0.014%
309	19.272	19.256	19.304	VV	6741	117075	0.41%	0.012%
310	19.341	19.304	19.382	VV	5313	113403	0.40%	0.011%
311	19.447	19.382	19.468	VV	3286	132437	0.47%	0.013%
312	19.478	19.468	19.488	VV	2365	26204	0.09%	0.003%
313	19.543	19.488	19.578	VV	2933	135931	0.48%	0.013%
314	19.650	19.578	19.711	VV	9249	413474	1.46%	0.041%
315	19.746	19.711	19.784	VV	6035	180530	0.64%	0.018%
316	19.859	19.784	19.872	VV	5058	224950	0.80%	0.022%
317	19.902	19.872	19.942	VV	5956	216850	0.77%	0.021%
318	20.003	19.942	20.019	VV	9654	315700	1.12%	0.031%
319	20.044	20.019	20.081	VV	10567	318489	1.13%	0.032%
320	20.161	20.081	20.198	VV	8758	497434	1.76%	0.049%
321	20.366	20.198	20.392	VV	13330	1098735	3.89%	0.109%
322	20.431	20.392	20.484	VV	13860	655408	2.32%	0.065%
323	20.492	20.484	20.498	VV	11400	91675	0.32%	0.009%
324	20.573	20.498	20.591	VV	14250	715849	2.53%	0.071%
325	20.633	20.591	20.651	VV	13746	488109	1.73%	0.048%
326	20.662	20.651	20.671	VV	13809	159855	0.57%	0.016%
327	20.722	20.671	20.749	VV	17283	698122	2.47%	0.069%
328	20.764	20.749	20.781	VV	14487	277240	0.98%	0.027%
329	20.841	20.781	20.869	VV	17403	832729	2.95%	0.083%
330	20.950	20.869	21.015	VV	17204	1390696	4.92%	0.138%
331	21.038	21.015	21.053	VV	15543	338816	1.20%	0.034%
332	21.090	21.053	21.131	VV	17638	740803	2.62%	0.073%
333	21.160	21.131	21.198	VV	14692	576037	2.04%	0.057%
334	21.231	21.198	21.254	VV	14603	482089	1.71%	0.048%
335	21.269	21.254	21.288	VV	14064	277660	0.98%	0.028%
336	21.304	21.288	21.313	VV	14096	212108	0.75%	0.021%
337	21.324	21.313	21.344	VV	14307	265514	0.94%	0.026%
338	21.364	21.344	21.387	VV	14263	358434	1.27%	0.036%
339	21.402	21.387	21.454	VV	13651	529530	1.87%	0.052%
340	21.508	21.454	21.569	VV	14874	914749	3.24%	0.091%
341	21.618	21.569	21.659	VV	12809	669465	2.37%	0.066%
342	21.667	21.659	21.687	VV	11768	195361	0.69%	0.019%
343	21.718	21.687	21.752	VV	11577	442212	1.57%	0.044%
344	21.765	21.752	21.780	VV	11655	190185	0.67%	0.019%
345	21.791	21.780	21.842	VV	11130	400191	1.42%	0.040%
346	21.851	21.842	21.863	VV	10581	131015	0.46%	0.013%
347	21.880	21.863	21.904	VV	10573	257273	0.91%	0.026%
348	21.978	21.904	22.066	VV	12849	1012799	3.59%	0.100%
349	22.085	22.066	22.097	VV	9444	168500	0.60%	0.017%
350	22.116	22.097	22.144	VV	9438	260790	0.92%	0.026%
351	22.175	22.144	22.186	VV	8976	216661	0.77%	0.021%

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352	22.193	22.186	22.202	VV	8749	86089	0.30%	0.009%
353	22.217	22.202	22.229	VV	8802	138213		
354	22.239	22.229	22.264	VV	8608	182314		
355	22.274	22.264	22.288	VV	8390	113302		
356	22.294	22.288	22.301	VBA	8002	105519		

Sum of corrected areas: 10087

Aliphatic EPH 091024.M Fri Sep 20 02:13:08 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-22A		SDG No.:	P4103	
Lab Sample ID:	P4103-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.7	
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
FG014281.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.13		0.32	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	80.4	E	0.37	1.08	mg/kg
Aromatic C16-C21	Aromatic C16-C21	64.3	E	1.03	1.80	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6.52		2.15	2.87	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.2		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.1		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.0		40 - 140	40%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-01	Acq On:	19 Sep 2024 19:58
Client Sample ID:	WC-22A	Operator:	YP\AJ
Data file:	FG014281.D	Misc:	
Instrument:	FID_G	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.376	6.245	16203288	127.143	200	ug/ml
Aromatic C12-C16	6.246	8.944	147770515	1120	300	ug/ml
Aromatic C16-C21	8.945	13.266	116302800	895.002	500	ug/ml
Aromatic C21-C36	13.267	18.723	11450484	90.808	800	ug/ml
Aromatic EPH	4.376	18.723	291727087	2230		ug/ml
ortho-Terphenyl (SURR)	11.814	11.814	2697858	20.01		ug/ml
2-Bromonaphthalene (SURR)	7.875	7.875	6065544	54.22		ug/ml
2-Flurobiphenyl (SURR)	8.748	8.748	3430715	47.12		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014281.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 19:58
Operator : YP\AJ
Sample : P4103-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 20 02:47:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
WC-22A

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.875	6065544	54.215 ug/mlm
Spiked Amount 50.000		Recovery = 108.43%	
6) S 2-Flurobiphenyl (SURR)	8.748	3430715	47.121 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 94.24%	
11) S ortho-Terphenyl (SURR)	11.814	2697858	20.014 ug/mlm
Spiked Amount 50.000		Recovery = 40.03%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014281.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 19:58
Operator : YP\AJ
Sample : P4103-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-22A

Manual Integrations APPROVED

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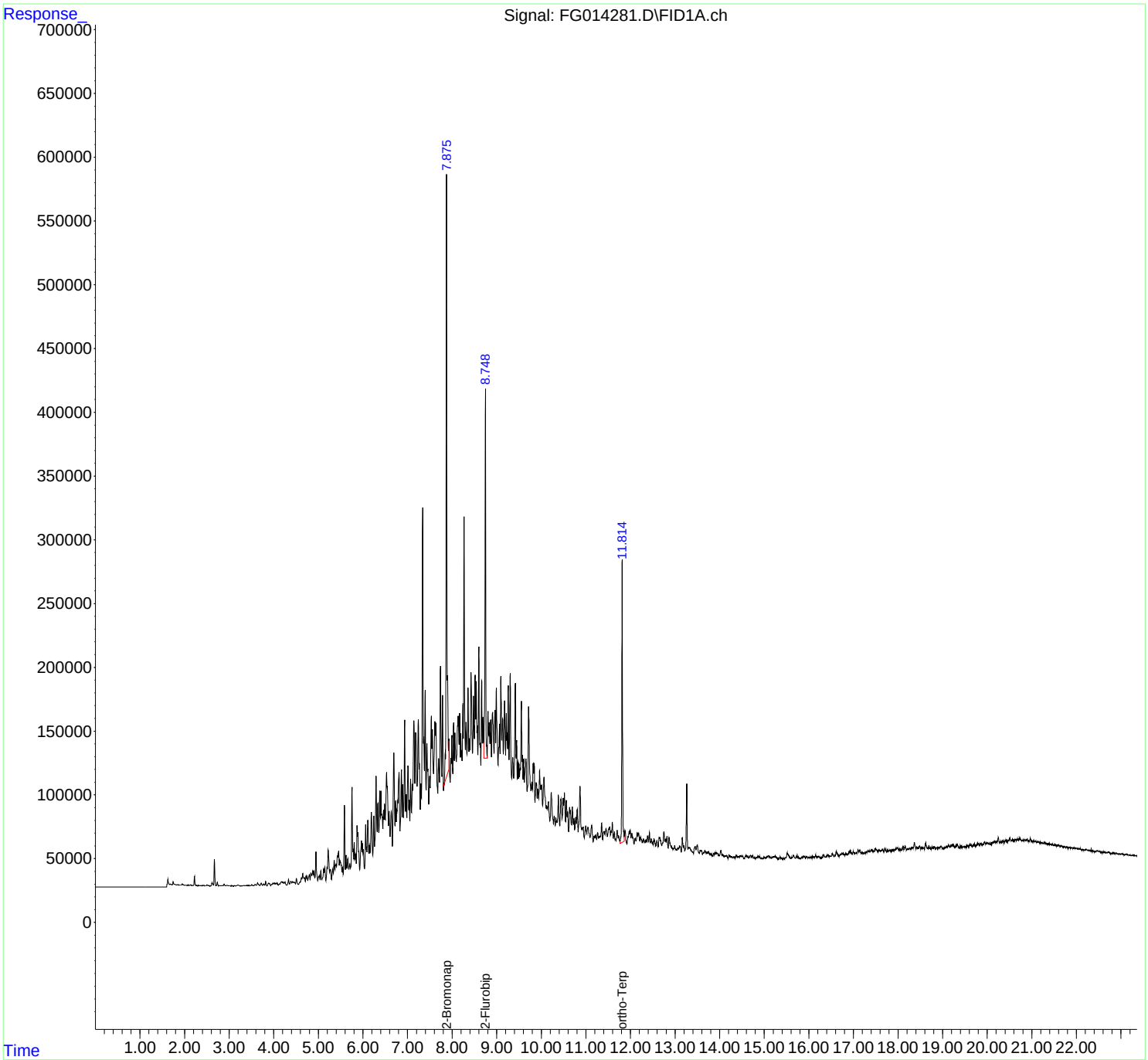
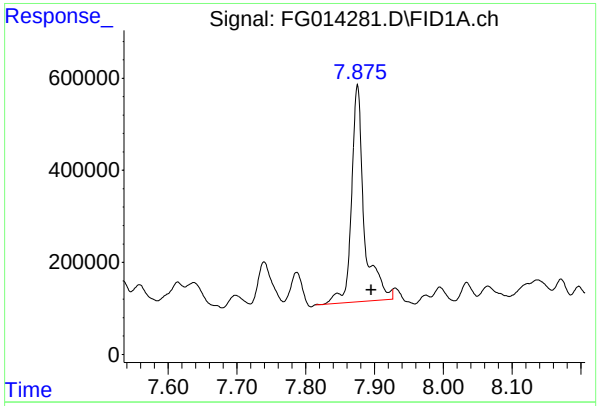
Integration File: autoint1.e
Quant Time: Sep 20 02:47:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2-Bromonaphthalene (SURR)

R.T.: 7.875 min
Delta R.T.: -0.021 min
Response: 6065544
Conc: 54.22 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-22A

Manual Integrations
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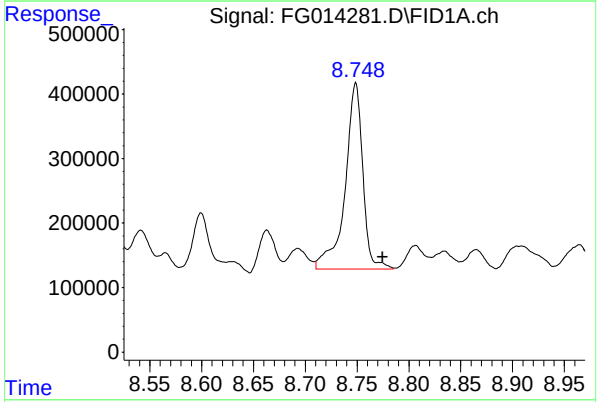
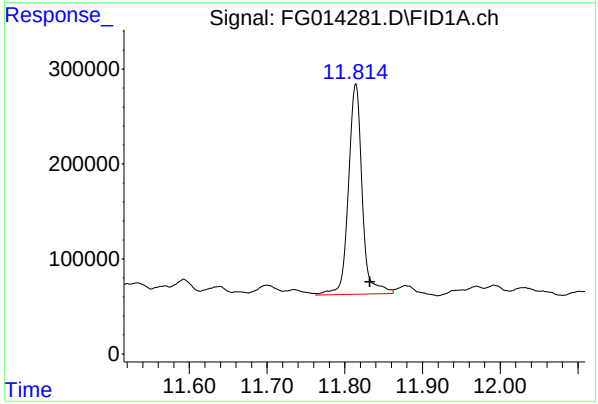


#6 2-Flurobiphenyl (SURR)

R.T.: 8.748 min
Delta R.T.: -0.026 min
Response: 3430715
Conc: 47.12 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.814 min
Delta R.T.: -0.018 min
Response: 2697858
Conc: 20.01 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-22A

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09192
Data File : FG014281.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 19:58
Sample : P4103-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.332	4.271	4.358	BV	3862	37612	0.48%	0.012%
2	4.388	4.358	4.406	VV	2406	45670	0.59%	0.015%
3	4.428	4.406	4.439	VV	1948	32725	0.42%	0.011%
4	4.448	4.439	4.462	VV	1819	23148	0.30%	0.008%
5	4.472	4.462	4.488	VV	1603	17770	0.23%	0.006%
6	4.509	4.488	4.552	VV	4571	69991	0.90%	0.023%
7	4.590	4.552	4.598	PV	1959	28075	0.36%	0.009%
8	4.620	4.598	4.632	VV	5012	74044	0.95%	0.024%
9	4.650	4.632	4.682	VV	8450	170773	2.20%	0.056%
10	4.693	4.682	4.709	VV	5207	64355	0.83%	0.021%
11	4.725	4.709	4.736	VV	6403	74977	0.96%	0.025%
12	4.747	4.736	4.762	VV	6243	75407	0.97%	0.025%
13	4.800	4.762	4.816	VV	7285	166665	2.14%	0.055%
14	4.835	4.816	4.852	VV	8598	150187	1.93%	0.050%
15	4.878	4.852	4.892	VV	10154	190206	2.45%	0.063%
16	4.904	4.892	4.922	VV	10292	136981	1.76%	0.045%
17	4.948	4.922	4.987	VV	25116	403895	5.20%	0.133%
18	5.006	4.987	5.012	VV	5363	60685	0.78%	0.020%
19	5.023	5.012	5.039	VV	6242	82707	1.06%	0.027%
20	5.056	5.039	5.077	VV	9853	133423	1.72%	0.044%
21	5.121	5.077	5.132	VV	11237	208278	2.68%	0.069%
22	5.145	5.132	5.170	VV	12672	178468	2.30%	0.059%
23	5.196	5.170	5.204	VV	12694	159404	2.05%	0.053%
24	5.222	5.204	5.253	VV	25960	520206	6.69%	0.172%
25	5.272	5.253	5.295	VV	10487	203662	2.62%	0.067%
26	5.324	5.295	5.337	VV	10804	191900	2.47%	0.063%
27	5.357	5.337	5.372	VV	17411	265301	3.41%	0.088%
28	5.397	5.372	5.408	VV	14379	287696	3.70%	0.095%
29	5.438	5.408	5.446	VV	21752	413870	5.32%	0.137%
30	5.456	5.446	5.470	VV	24981	296061	3.81%	0.098%
31	5.481	5.470	5.532	VV	17251	520603	6.70%	0.172%
32	5.544	5.532	5.559	VV	11844	156064	2.01%	0.052%
33	5.587	5.559	5.607	VV	60350	838885	10.79%	0.277%
34	5.621	5.607	5.641	VV	21205	302362	3.89%	0.100%
35	5.660	5.641	5.685	VV	18391	369554	4.75%	0.122%
36	5.707	5.685	5.721	VV	14152	261293	3.36%	0.086%

Instrument :
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37	5.755	5.721	5.775	VV	74100	1098377	14.13%	0.363%
38	5.781	5.775	5.793	VV	25833	238280	3	
39	5.805	5.793	5.823	VV	30746	421008	5	
40	5.837	5.823	5.853	VV	21853	336212	4	
41	5.869	5.853	5.879	VV	43843	511217	6	
42	5.887	5.879	5.929	VV	38765	737242	9	
43	5.968	5.929	5.979	VV	31983	675113	8.68%	0.223%
44	5.990	5.979	6.002	VV	29889	360636	4.64%	0.119%
45	6.011	6.002	6.038	VV	24946	370493	4.77%	0.122%
46	6.062	6.038	6.076	VV	44431	617435	7.94%	0.204%
47	6.082	6.076	6.090	VV	25248	200570	2.58%	0.066%
48	6.110	6.090	6.131	VV	47746	902135	11.60%	0.298%
49	6.143	6.131	6.159	VV	28042	409276	5.26%	0.135%
50	6.190	6.159	6.222	VV	53929	1315997	16.93%	0.435%
51	6.245	6.222	6.261	VV	50880	834006	10.73%	0.276%
52	6.296	6.261	6.320	VV	82000	1762580	22.67%	0.583%
53	6.335	6.320	6.356	VV	60648	1059324	13.63%	0.350%
54	6.379	6.356	6.391	VV	70297	1110167	14.28%	0.367%
55	6.404	6.391	6.419	VV	70148	983495	12.65%	0.325%
56	6.423	6.419	6.447	VV	51907	816439	10.50%	0.270%
57	6.463	6.447	6.473	VV	54987	758869	9.76%	0.251%
58	6.486	6.473	6.502	VV	59928	923336	11.88%	0.305%
59	6.530	6.502	6.574	VV	84369	2803037	36.05%	0.926%
60	6.586	6.574	6.610	VV	53951	978684	12.59%	0.323%
61	6.638	6.610	6.662	VV	53624	1353740	17.41%	0.447%
62	6.694	6.662	6.720	VV	99470	2264967	29.13%	0.749%
63	6.735	6.720	6.748	VV	62067	885254	11.39%	0.293%
64	6.761	6.748	6.766	VV	54403	530581	6.82%	0.175%
65	6.780	6.766	6.786	VV	62001	722560	9.29%	0.239%
66	6.811	6.786	6.831	VV	84076	1838300	23.65%	0.608%
67	6.864	6.831	6.881	VV	85969	1779707	22.89%	0.588%
68	6.894	6.881	6.910	VV	74424	1034710	13.31%	0.342%
69	6.937	6.910	6.958	VV	125047	2240598	28.82%	0.741%
70	6.971	6.958	6.985	VV	66521	948118	12.20%	0.313%
71	7.012	6.985	7.030	VV	88986	1887189	24.27%	0.624%
72	7.040	7.030	7.053	VV	62198	783456	10.08%	0.259%
73	7.070	7.053	7.090	VV	78576	1390685	17.89%	0.460%
74	7.111	7.090	7.119	VV	74211	1155255	14.86%	0.382%
75	7.143	7.119	7.166	VV	123977	2815999	36.22%	0.931%
76	7.183	7.166	7.216	VV	114471	2842284	36.56%	0.939%
77	7.244	7.216	7.261	VV	124490	2662591	34.25%	0.880%
78	7.267	7.261	7.285	VV	90401	1118845	14.39%	0.370%
79	7.299	7.285	7.312	VV	74460	1056929	13.59%	0.349%
80	7.340	7.312	7.359	VV	290512	4594320	59.09%	1.519%
81	7.365	7.359	7.380	VV	111093	1226386	15.77%	0.405%
82	7.397	7.380	7.417	VV	147383	2377529	30.58%	0.786%
83	7.436	7.417	7.452	VV	105482	1857987	23.90%	0.614%
84	7.457	7.452	7.477	VV	85636	1125606	14.48%	0.372%
85	7.498	7.477	7.508	VV	79818	1323908	17.03%	0.438%
86	7.534	7.508	7.546	VV	126770	2323801	29.89%	0.768%
87	7.558	7.546	7.585	VV	116552	2301991	29.61%	0.761%
88	7.614	7.585	7.625	VV	122499	2478025	31.87%	0.819%
89	7.637	7.625	7.679	VV	121286	3059570	39.35%	1.011%

Instrument :
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WC-22A

rteres

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90	7.698	7.679	7.719	VV	93356	1965306	25.28%	0.650%
91	7.739	7.719	7.768	VV	165713	3404238	43	
92	7.787	7.768	7.808	VV	142877	2521078	32	
93	7.817	7.808	7.823	VV	73256	629990	8	
94	7.846	7.823	7.852	VV	97710	1535258	19	
95	7.875	7.852	7.894	VV	550091	6929765	89	
96	7.898	7.894	7.920	VV	158092	2093867	26.93%	0.692%
97	7.930	7.920	7.958	VV	108511	2120804	27.28%	0.701%
98	7.974	7.958	7.981	VV	93156	1191597	15.33%	0.394%
99	7.995	7.981	8.016	VV	110918	1996928	25.69%	0.660%
100	8.034	8.016	8.049	VV	120825	2014838	25.92%	0.666%
101	8.065	8.049	8.096	VV	112819	2779266	35.75%	0.919%
102	8.137	8.096	8.158	VV	125986	4164486	53.57%	1.376%
103	8.171	8.158	8.185	VV	127887	1855447	23.87%	0.613%
104	8.197	8.185	8.210	VV	112062	1533798	19.73%	0.507%
105	8.215	8.210	8.225	VV	97683	826327	10.63%	0.273%
106	8.242	8.225	8.252	VV	135746	1907249	24.53%	0.630%
107	8.270	8.252	8.299	VV	281820	4702209	60.48%	1.554%
108	8.315	8.299	8.334	VV	120726	2300236	29.59%	0.760%
109	8.359	8.334	8.377	VV	147574	2985482	38.40%	0.987%
110	8.387	8.377	8.398	VV	107758	1322623	17.01%	0.437%
111	8.425	8.398	8.460	VV	158751	4606803	59.26%	1.523%
112	8.479	8.460	8.499	VV	140901	2833793	36.45%	0.937%
113	8.516	8.499	8.529	VV	157344	2392603	30.77%	0.791%
114	8.541	8.529	8.558	VV	152342	2350203	30.23%	0.777%
115	8.565	8.558	8.579	VV	117555	1361100	17.51%	0.450%
116	8.599	8.579	8.623	VV	179237	3391751	43.63%	1.121%
117	8.630	8.623	8.646	VV	103348	1351574	17.38%	0.447%
118	8.663	8.646	8.679	VV	152597	2416752	31.09%	0.799%
119	8.693	8.679	8.708	VV	124117	1992378	25.63%	0.659%
120	8.749	8.708	8.787	VV	380300	7774536	100.00%	2.570%
121	8.806	8.787	8.821	VV	128197	2324092	29.89%	0.768%
122	8.834	8.821	8.850	VV	119663	1927685	24.79%	0.637%
123	8.865	8.850	8.884	VV	121718	2237245	28.78%	0.739%
124	8.909	8.884	8.940	VV	127174	3782151	48.65%	1.250%
125	8.965	8.940	8.978	VV	129218	2620966	33.71%	0.866%
126	8.993	8.978	9.031	VV	146301	3644314	46.88%	1.205%
127	9.065	9.031	9.076	VV	118193	2766217	35.58%	0.914%
128	9.094	9.076	9.113	VV	155299	2790894	35.90%	0.922%
129	9.133	9.113	9.150	VV	121982	2509703	32.28%	0.830%
130	9.178	9.150	9.200	VV	136052	3435857	44.19%	1.136%
131	9.216	9.200	9.228	VV	126054	1862794	23.96%	0.616%
132	9.236	9.228	9.246	VV	110780	1104569	14.21%	0.365%
133	9.260	9.246	9.276	VV	147648	2179754	28.04%	0.720%
134	9.303	9.276	9.336	VV	157306	3925218	50.49%	1.297%
135	9.361	9.336	9.384	VV	91241	2341544	30.12%	0.774%
136	9.418	9.384	9.437	VV	149448	3369851	43.34%	1.114%
137	9.447	9.437	9.462	VV	104373	1423185	18.31%	0.470%
138	9.475	9.462	9.487	VV	87998	1213973	15.61%	0.401%
139	9.499	9.487	9.512	VV	85894	1169815	15.05%	0.387%
140	9.525	9.512	9.533	VV	82324	1016034	13.07%	0.336%
141	9.554	9.533	9.570	VV	135026	2370363	30.49%	0.783%

Instrument :
FID_G
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WC-22A

Manual IntegrationsAPPROVED

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142	9.578	9.570	9.592	VV	92759	1073994	13.81%	0.355%
143	9.606	9.592	9.621	VV	89753	1444641	18	
144	9.657	9.621	9.684	VV	89609	2942052	37	
145	9.717	9.684	9.772	VV	130380	4498450	57	
146	9.788	9.772	9.801	VV	70892	1181153	15	
147	9.819	9.801	9.833	VV	85794	1491260	19	
148	9.841	9.833	9.859	VV	85917	1145577	14.73%	0.379%
149	9.884	9.859	9.910	VV	70777	1990903	25.61%	0.658%
150	9.923	9.910	9.941	VV	65453	1163125	14.96%	0.384%
151	9.962	9.941	9.987	VV	80108	1898443	24.42%	0.627%
152	9.995	9.987	10.004	VV	67966	674720	8.68%	0.223%
153	10.012	10.004	10.031	VV	68344	1023057	13.16%	0.338%
154	10.062	10.031	10.106	VV	74469	2776230	35.71%	0.918%
155	10.114	10.106	10.124	VV	52028	575274	7.40%	0.190%
156	10.134	10.124	10.140	VV	50984	486446	6.26%	0.161%
157	10.160	10.140	10.193	VV	55096	1528203	19.66%	0.505%
158	10.225	10.193	10.274	VV	62428	2356410	30.31%	0.779%
159	10.290	10.274	10.313	VV	43401	938843	12.08%	0.310%
160	10.327	10.313	10.354	VV	42205	980543	12.61%	0.324%
161	10.383	10.354	10.418	VV	60165	1723335	22.17%	0.570%
162	10.441	10.418	10.467	VV	56768	1435073	18.46%	0.474%
163	10.491	10.467	10.505	VV	57317	1122554	14.44%	0.371%
164	10.520	10.505	10.544	VV	61678	1252072	16.10%	0.414%
165	10.561	10.544	10.581	VV	55506	1051895	13.53%	0.348%
166	10.590	10.581	10.614	VV	46491	784389	10.09%	0.259%
167	10.636	10.614	10.649	VV	50065	885752	11.39%	0.293%
168	10.655	10.649	10.677	VV	47027	710617	9.14%	0.235%
169	10.697	10.677	10.720	VV	50293	1091091	14.03%	0.361%
170	10.732	10.720	10.750	VV	40894	676558	8.70%	0.224%
171	10.772	10.750	10.786	VV	42033	834889	10.74%	0.276%
172	10.806	10.786	10.827	VV	48058	989661	12.73%	0.327%
173	10.870	10.827	10.906	VV	66157	2043086	26.28%	0.675%
174	10.922	10.906	10.929	VV	33070	454028	5.84%	0.150%
175	10.940	10.929	10.966	VV	34116	670925	8.63%	0.222%
176	10.997	10.966	11.022	VV	34836	1031620	13.27%	0.341%
177	11.046	11.022	11.091	VV	33559	1256463	16.16%	0.415%
178	11.128	11.091	11.163	VV	35043	1256619	16.16%	0.415%
179	11.183	11.163	11.188	VV	26267	368173	4.74%	0.122%
180	11.192	11.188	11.203	VV	26004	220835	2.84%	0.073%
181	11.221	11.203	11.242	VV	27390	613947	7.90%	0.203%
182	11.264	11.242	11.285	VV	28999	670278	8.62%	0.222%
183	11.304	11.285	11.314	VV	26248	444744	5.72%	0.147%
184	11.353	11.314	11.377	VV	36374	1080263	13.89%	0.357%
185	11.403	11.377	11.428	VV	29633	848089	10.91%	0.280%
186	11.452	11.428	11.482	VV	31794	950892	12.23%	0.314%
187	11.520	11.482	11.524	VV	32208	744638	9.58%	0.246%
188	11.533	11.524	11.551	VV	32957	502208	6.46%	0.166%
189	11.569	11.551	11.575	VV	29794	403622	5.19%	0.133%
190	11.593	11.575	11.614	VV	36646	727264	9.35%	0.240%
191	11.639	11.614	11.655	VV	28942	653665	8.41%	0.216%
192	11.665	11.655	11.676	VV	23353	283117	3.64%	0.094%
193	11.700	11.676	11.721	VV	30229	724280	9.32%	0.239%
194	11.735	11.721	11.766	VV	25589	622305	8.00%	0.206%

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195	11.814	11.766	11.861	VV	242240	3859711	49.65%	1.276%
196	11.878	11.861	11.920	VV	29627	857079	11	
197	11.970	11.920	11.980	VV	28734	875558	11	
198	11.992	11.980	12.013	VV	29853	536767	6	
199	12.031	12.013	12.081	VV	27035	963093	12	
200	12.102	12.081	12.124	VV	23023	559741	7	
201	12.150	12.124	12.165	VV	27412	599005	7.70%	0.198%
202	12.182	12.165	12.211	VV	27048	682213	8.77%	0.225%
203	12.229	12.211	12.263	VV	23795	693828	8.92%	0.229%
204	12.270	12.263	12.275	VV	20490	134885	1.73%	0.045%
205	12.290	12.275	12.301	VV	22373	336807	4.33%	0.111%
206	12.305	12.301	12.321	VV	21156	244541	3.15%	0.081%
207	12.345	12.321	12.364	VV	21556	519234	6.68%	0.172%
208	12.384	12.364	12.404	VV	24471	533471	6.86%	0.176%
209	12.424	12.404	12.455	VV	27132	674909	8.68%	0.223%
210	12.468	12.455	12.487	VV	22070	387830	4.99%	0.128%
211	12.493	12.487	12.498	VV	19297	131207	1.69%	0.043%
212	12.502	12.498	12.511	VV	18930	142019	1.83%	0.047%
213	12.528	12.511	12.571	VV	21974	687516	8.84%	0.227%
214	12.590	12.571	12.621	VV	20375	546544	7.03%	0.181%
215	12.643	12.621	12.674	VV	22803	659498	8.48%	0.218%
216	12.677	12.674	12.700	VV	20419	290091	3.73%	0.096%
217	12.748	12.700	12.774	VV	27031	919515	11.83%	0.304%
218	12.785	12.774	12.800	VV	21295	314499	4.05%	0.104%
219	12.817	12.800	12.844	VV	23683	518115	6.66%	0.171%
220	12.864	12.844	12.909	VV	22526	698825	8.99%	0.231%
221	12.922	12.909	12.953	VV	15524	376256	4.84%	0.124%
222	12.968	12.953	12.978	VV	13841	200767	2.58%	0.066%
223	12.989	12.978	13.035	VV	16179	467941	6.02%	0.155%
224	13.063	13.035	13.080	VV	13867	353597	4.55%	0.117%
225	13.104	13.080	13.139	VV	15344	485712	6.25%	0.161%
226	13.161	13.139	13.190	VV	21856	497590	6.40%	0.164%
227	13.199	13.190	13.221	VV	15350	244561	3.15%	0.081%
228	13.260	13.221	13.288	VV	63784	1126264	14.49%	0.372%
229	13.313	13.288	13.320	VV	14077	255544	3.29%	0.084%
230	13.328	13.320	13.367	VV	13716	349360	4.49%	0.115%
231	13.371	13.367	13.390	VV	11068	146483	1.88%	0.048%
232	13.397	13.390	13.411	VV	10071	123964	1.59%	0.041%
233	13.450	13.411	13.467	VV	14467	414949	5.34%	0.137%
234	13.495	13.467	13.546	VV	15743	567541	7.30%	0.188%
235	13.562	13.546	13.578	VV	11236	204638	2.63%	0.068%
236	13.588	13.578	13.615	VV	10970	219014	2.82%	0.072%
237	13.635	13.615	13.651	VV	9454	190859	2.45%	0.063%
238	13.667	13.651	13.682	VV	10858	182266	2.34%	0.060%
239	13.696	13.682	13.713	VV	9671	174494	2.24%	0.058%
240	13.717	13.713	13.733	VV	9202	104734	1.35%	0.035%
241	13.750	13.733	13.780	VV	10022	249717	3.21%	0.083%
242	13.787	13.780	13.793	VV	7743	56657	0.73%	0.019%
243	13.798	13.793	13.820	VV	8264	122320	1.57%	0.040%
244	13.826	13.820	13.846	VV	7271	102267	1.32%	0.034%
245	13.870	13.846	13.883	VV	8126	163319	2.10%	0.054%
246	13.900	13.883	13.915	VV	8742	156407	2.01%	0.052%

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247	13.928	13.915	13.938	VV	8635	111757	1.44%	0.037%
248	13.944	13.938	13.988	VV	8362	221120		
249	13.994	13.988	13.998	VV	6138	34845		
250	14.027	13.998	14.060	VV	10460	299883		
251	14.074	14.060	14.097	VV	7163	138648		
252	14.105	14.097	14.123	VV	5937	86917		
253	14.128	14.123	14.132	VV	5716	28275	0.36%	0.009%
254	14.154	14.132	14.187	VV	6209	178461	2.30%	0.059%
255	14.208	14.187	14.231	VV	6237	137339	1.77%	0.045%
256	14.235	14.231	14.241	VV	5046	26815	0.34%	0.009%
257	14.247	14.241	14.267	VV	5213	75053	0.97%	0.025%
258	14.275	14.267	14.286	VV	4946	53613	0.69%	0.018%
259	14.290	14.286	14.296	VV	4358	25267	0.32%	0.008%
260	14.315	14.296	14.336	VV	4960	103141	1.33%	0.034%
261	14.372	14.336	14.391	VV	6265	158232	2.04%	0.052%
262	14.407	14.391	14.412	VV	4730	55631	0.72%	0.018%
263	14.423	14.412	14.436	VV	4900	66498	0.86%	0.022%
264	14.476	14.436	14.481	VV	5235	131384	1.69%	0.043%
265	14.487	14.481	14.501	VV	5311	59046	0.76%	0.020%
266	14.516	14.501	14.537	VV	5111	94303	1.21%	0.031%
267	14.543	14.537	14.551	VV	3379	25787	0.33%	0.009%
268	14.581	14.551	14.598	VV	5274	121075	1.56%	0.040%
269	14.611	14.598	14.628	VV	5236	83073	1.07%	0.027%
270	14.633	14.628	14.648	VV	3897	43250	0.56%	0.014%
271	14.653	14.648	14.658	VV	3664	21710	0.28%	0.007%
272	14.690	14.658	14.718	VV	5196	156321	2.01%	0.052%
273	14.735	14.718	14.756	VV	5230	96873	1.25%	0.032%
274	14.778	14.756	14.795	VV	3690	72338	0.93%	0.024%
275	14.800	14.795	14.804	VV	2811	14248	0.18%	0.005%
276	14.834	14.804	14.840	VV	3670	68808	0.89%	0.023%
277	14.859	14.840	14.881	VV	4569	92518	1.19%	0.031%
278	14.897	14.881	14.915	VV	4013	68928	0.89%	0.023%
279	14.921	14.915	14.935	VV	2594	27609	0.36%	0.009%
280	14.942	14.935	14.947	VV	2429	16279	0.21%	0.005%
281	14.952	14.947	14.958	VV	2126	13526	0.17%	0.004%
282	14.967	14.958	14.976	VV	2589	26016	0.33%	0.009%
283	14.990	14.976	14.994	VV	3290	29661	0.38%	0.010%
284	14.999	14.994	15.010	VV	3377	28048	0.36%	0.009%
285	15.015	15.010	15.034	VV	3081	40329	0.52%	0.013%
286	15.057	15.034	15.063	VV	3601	53435	0.69%	0.018%
287	15.093	15.063	15.108	VV	4378	100627	1.29%	0.033%
288	15.121	15.108	15.159	VV	3949	91074	1.17%	0.030%
289	15.170	15.159	15.175	VV	2941	22979	0.30%	0.008%
290	15.178	15.175	15.185	VV	2695	15676	0.20%	0.005%
291	15.218	15.185	15.229	VV	3428	83614	1.08%	0.028%
292	15.246	15.229	15.273	VV	3574	80241	1.03%	0.027%
293	15.278	15.273	15.306	VV	2782	42456	0.55%	0.014%
294	15.326	15.306	15.331	VV	1842	23745	0.31%	0.008%
295	15.335	15.331	15.338	VV	1889	7070	0.09%	0.002%
296	15.358	15.338	15.385	VV	2975	64044	0.82%	0.021%
297	15.391	15.385	15.404	VV	1710	17744	0.23%	0.006%
298	15.410	15.404	15.421	VV	1626	11982	0.15%	0.004%
299	15.436	15.421	15.456	VV	1720	29344	0.38%	0.010%

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300	15.480	15.456	15.491	VV	2286	39108	0.50%	0.013%
301	15.511	15.491	15.591	VV	5611	202770		
302	15.601	15.591	15.613	VV	1902	19577		
303	15.622	15.613	15.627	VV	2057	14815		
304	15.658	15.627	15.695	VV	3545	97322		
305	15.700	15.695	15.703	VV	1561	7140		
306	15.723	15.703	15.748	VV	3034	56568	0.73%	0.019%
307	15.757	15.748	15.775	VV	2441	27022	0.35%	0.009%
308	15.781	15.775	15.799	VV	1490	15993	0.21%	0.005%
309	15.814	15.799	15.820	VV	1149	11053	0.14%	0.004%
310	15.835	15.820	15.855	VV	1681	29571	0.38%	0.010%
311	15.866	15.855	15.872	VV	2096	17848	0.23%	0.006%
312	15.890	15.872	15.909	VV	2597	45821	0.59%	0.015%
313	15.914	15.909	15.926	VV	2009	14194	0.18%	0.005%
314	15.952	15.926	15.980	VV	2254	48965	0.63%	0.016%
315	15.997	15.980	16.015	VV	1605	26479	0.34%	0.009%
316	16.021	16.015	16.035	VV	1481	13717	0.18%	0.005%
317	16.051	16.035	16.066	VV	1648	23045	0.30%	0.008%
318	16.078	16.066	16.090	VV	1983	19962	0.26%	0.007%
319	16.095	16.090	16.101	VV	1613	10209	0.13%	0.003%
320	16.109	16.101	16.126	VV	1703	20314	0.26%	0.007%
321	16.148	16.126	16.174	VV	3020	54834	0.71%	0.018%
322	16.178	16.174	16.189	VV	1482	12480	0.16%	0.004%
323	16.196	16.189	16.213	VV	1737	20230	0.26%	0.007%
324	16.224	16.213	16.241	VV	2029	26856	0.35%	0.009%
325	16.247	16.241	16.253	VV	883	5666	0.07%	0.002%
326	16.257	16.253	16.268	VV	744	4005	0.05%	0.001%
327	16.275	16.268	16.279	PV	508	1398	0.02%	0.000%
328	16.286	16.279	16.292	PV	809	3782	0.05%	0.001%
329	16.337	16.292	16.367	VV	2815	68233	0.88%	0.023%
330	16.381	16.367	16.393	VV	1191	14950	0.19%	0.005%
331	16.405	16.393	16.409	VV	1616	13153	0.17%	0.004%
332	16.430	16.409	16.450	VV	2647	47381	0.61%	0.016%
333	16.454	16.450	16.458	VV	1190	5657	0.07%	0.002%
334	16.464	16.458	16.471	VV	1468	10367	0.13%	0.003%
335	16.476	16.471	16.506	VV	1410	24337	0.31%	0.008%
336	16.529	16.506	16.563	VV	3250	65040	0.84%	0.021%
337	16.615	16.563	16.653	VV	4764	128700	1.66%	0.043%
338	16.657	16.653	16.666	VV	1987	12495	0.16%	0.004%
339	16.671	16.666	16.677	VV	1417	7469	0.10%	0.002%
340	16.710	16.677	16.720	VV	2088	38573	0.50%	0.013%
341	16.747	16.720	16.755	VV	2742	46578	0.60%	0.015%
342	16.759	16.755	16.779	VV	2341	30054	0.39%	0.010%
343	16.782	16.779	16.793	VV	1958	15117	0.19%	0.005%
344	16.797	16.793	16.803	VV	1487	7669	0.10%	0.003%
345	16.832	16.803	16.855	VV	2560	49834	0.64%	0.016%
346	16.868	16.855	16.879	VV	1514	18502	0.24%	0.006%
347	16.908	16.879	16.914	VV	3618	57147	0.74%	0.019%
348	16.933	16.914	16.975	VV	4530	104699	1.35%	0.035%
349	16.992	16.975	16.996	VV	3498	32072	0.41%	0.011%
350	17.000	16.996	17.015	VV	3290	29098	0.37%	0.010%
351	17.035	17.015	17.041	VV	2032	28356	0.36%	0.009%

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352	17.071	17.041	17.081	VV	2433	48369	0.62%	0.016%
353	17.100	17.081	17.121	VV	4178	79183		
354	17.142	17.121	17.176	VV	4354	90749		
355	17.182	17.176	17.189	VV	1806	11293		
356	17.195	17.189	17.206	VV	1977	16001		
357	17.213	17.206	17.228	VV	1924	19441		
358	17.258	17.228	17.264	VV	1646	27793	0.36%	0.009%
359	17.268	17.264	17.279	VV	1811	14949	0.19%	0.005%
360	17.290	17.279	17.295	VV	2147	18730	0.24%	0.006%
361	17.325	17.295	17.340	VV	3342	68074	0.88%	0.022%
362	17.342	17.340	17.351	VV	2630	16122	0.21%	0.005%
363	17.362	17.351	17.374	VV	2778	31108	0.40%	0.010%
364	17.406	17.374	17.424	VV	3731	86035	1.11%	0.028%
365	17.436	17.424	17.455	VV	2719	43740	0.56%	0.014%
366	17.490	17.455	17.495	VV	4269	69275	0.89%	0.023%
367	17.499	17.495	17.542	VV	4101	82844	1.07%	0.027%
368	17.570	17.542	17.577	VV	2875	45977	0.59%	0.015%
369	17.584	17.577	17.590	VV	2780	18265	0.23%	0.006%
370	17.594	17.590	17.601	VV	2251	14264	0.18%	0.005%
371	17.610	17.601	17.621	VV	2200	24015	0.31%	0.008%
372	17.650	17.621	17.687	VV	3231	88089	1.13%	0.029%
373	17.712	17.687	17.742	VV	3842	72572	0.93%	0.024%
374	17.753	17.742	17.758	VV	2084	14812	0.19%	0.005%
375	17.765	17.758	17.772	VV	1822	12793	0.16%	0.004%
376	17.777	17.772	17.782	VV	1746	8929	0.11%	0.003%
377	17.788	17.782	17.793	VV	1662	8760	0.11%	0.003%
378	17.809	17.793	17.824	VV	2080	30490	0.39%	0.010%
379	17.865	17.824	17.872	VV	2302	45381	0.58%	0.015%
380	17.877	17.872	17.884	VV	2090	12742	0.16%	0.004%
381	17.890	17.884	17.893	VV	1547	7469	0.10%	0.002%
382	17.899	17.893	17.906	VV	1970	12718	0.16%	0.004%
383	17.910	17.906	17.914	VV	1590	6927	0.09%	0.002%
384	17.921	17.914	17.934	VV	1927	21130	0.27%	0.007%
385	17.943	17.934	17.948	VV	2642	19035	0.24%	0.006%
386	17.954	17.948	17.960	VV	2920	16939	0.22%	0.006%
387	17.976	17.960	18.027	VV	3381	95851	1.23%	0.032%
388	18.035	18.027	18.040	VV	1859	11669	0.15%	0.004%
389	18.049	18.040	18.066	VV	2123	22708	0.29%	0.008%
390	18.085	18.066	18.094	VV	2180	24928	0.32%	0.008%
391	18.114	18.094	18.131	VV	4296	65834	0.85%	0.022%
392	18.159	18.131	18.196	VV	4178	94216	1.21%	0.031%
393	18.224	18.196	18.233	VV	2008	36506	0.47%	0.012%
394	18.238	18.233	18.250	VV	1644	13631	0.18%	0.005%
395	18.263	18.250	18.270	VV	2323	22021	0.28%	0.007%
396	18.271	18.270	18.283	VV	2053	13019	0.17%	0.004%
397	18.318	18.283	18.323	VV	2621	44374	0.57%	0.015%
398	18.328	18.323	18.335	VV	2493	14146	0.18%	0.005%
399	18.366	18.335	18.396	VV	6284	132847	1.71%	0.044%
400	18.403	18.396	18.410	VV	1966	13770	0.18%	0.005%
401	18.418	18.410	18.439	VV	2476	35377	0.46%	0.012%
402	18.444	18.439	18.454	VV	1873	13195	0.17%	0.004%
403	18.460	18.454	18.463	VV	1539	6910	0.09%	0.002%
404	18.484	18.463	18.507	VV	3111	58383	0.75%	0.019%

Instrument :
FID_G
ClientSampleId :
WC-22A

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

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405	18.513	18.507	18.517	VV	1564	7596	0.10%	0.003%
406	18.530	18.517	18.538	VV	1884	19718	0	
407	18.543	18.538	18.552	VV	1743	11539	0	
408	18.567	18.552	18.594	VV	1624	31224	0	
409	18.622	18.594	18.651	VV	4945	97796	1	
410	18.666	18.651	18.681	VV	1441	17378	0	
411	18.698	18.681	18.713	VV	2381	25629	0.33%	0.008%
412	18.721	18.713	18.742	VV	1021	7792	0.10%	0.003%

Sum of corrected areas: 302554184

Aromatic EPH 090424.M Fri Sep 20 03:16:45 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-22ADL		SDG No.:	P4103	
Lab Sample ID:	P4103-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.7	
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
FE050235.D	10	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	110		4.09	10.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	420	E	2.59	7.18	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	74.4		3.23	10.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.95	J	8.62	14.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.5	J	19.4	21.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	2.77		40 - 140	55%	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:	P4103-01DL	Acq On:	20 Sep 2024 09:14
Client Sample ID:	WC-22ADL	Operator:	YP\AJ
Data file:	FE050235.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.158	6.776	21082082	153.57	300	ug/ml
Aliphatic C12-C16	6.777	10.209	80527681	585.497	200	ug/ml
Aliphatic C16-C21	10.210	13.569	13998318	103.527	300	ug/ml
Aliphatic C21-C28	13.570	17.223	1792961	13.857	400	ug/ml
Aliphatic C28-C40	17.224	22.077	2251814	18.75	600	ug/ml
Aliphatic EPH	3.158	22.077	119652856	875.201		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.300	13.300	311047	2.77		ug/ml
Aliphatic C9-C28	3.158	17.223	117401042	856.451	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050235.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 09:14
Operator : YP\AJ
Sample : P4103-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-22ADL

Integration File: autoint1.e
Quant Time: Sep 21 03:44:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.300	311047	2.769 ug/ml
Spiked Amount 50.000		Recovery =	5.54%
Target Compounds			

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

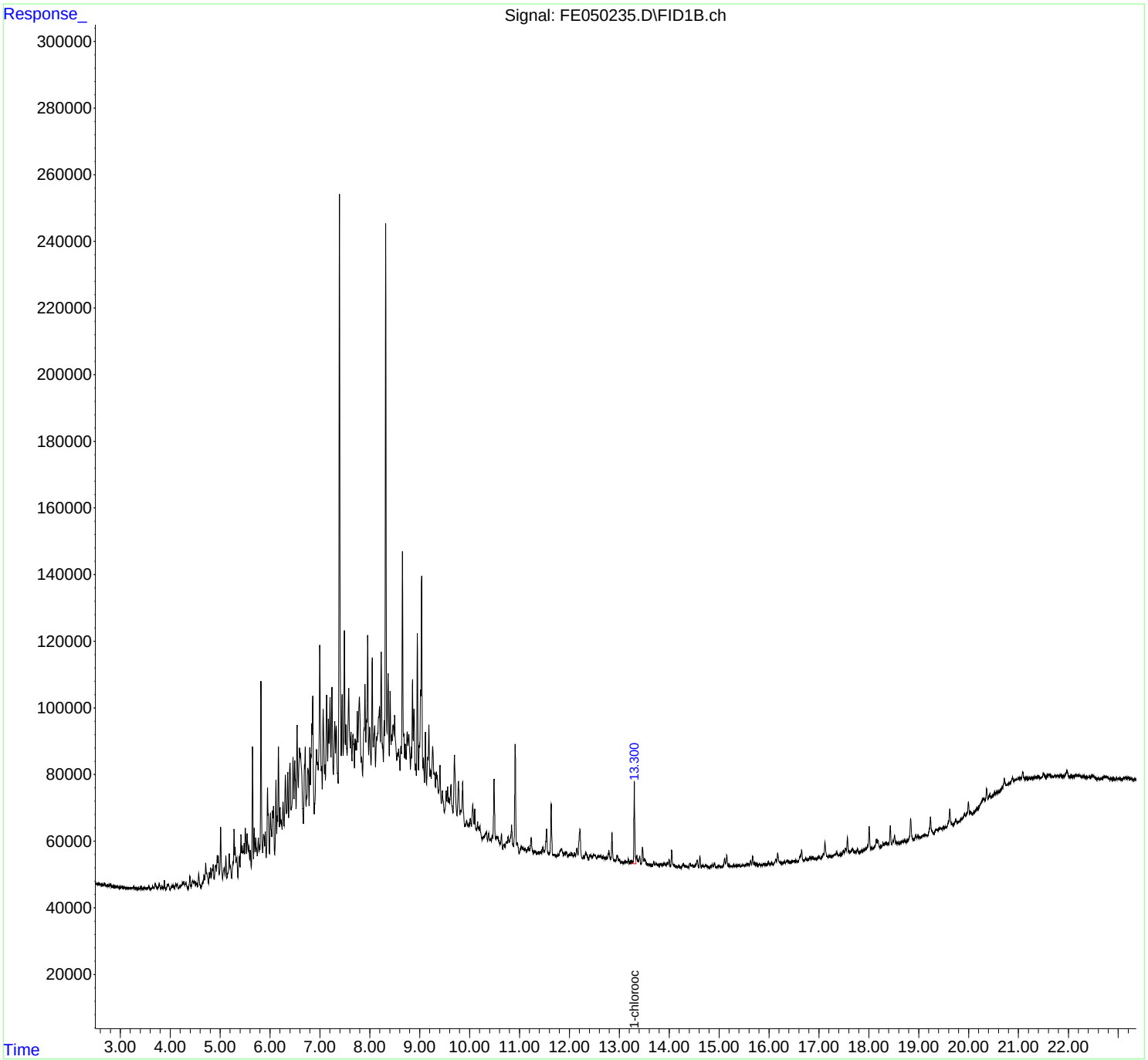
Quantitation Report (QT Reviewed)

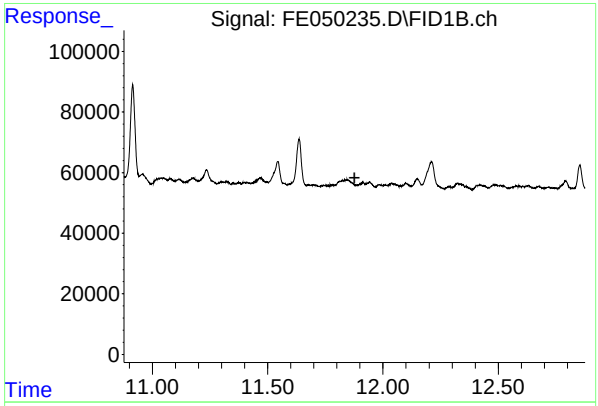
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050235.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 09:14
Operator : YP\AJ
Sample : P4103-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-22ADL

Integration File: autoint1.e
Quant Time: Sep 21 03:44:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

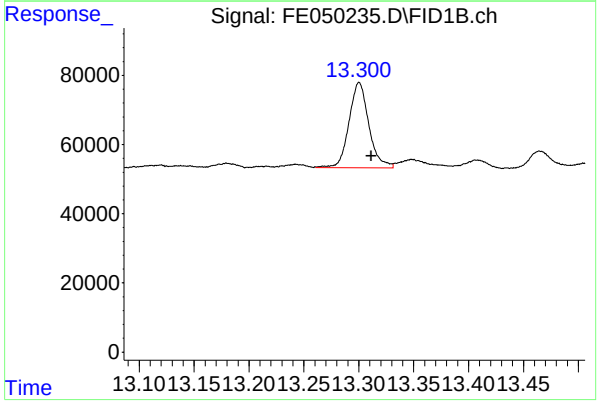




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-22ADL



#12 1-chlorooctadecane (SURR)

R.T.: 13.300 min
Delta R.T.: -0.011 min
Response: 311047
Conc: 2.77 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050235.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 09:14
Sample : P4103-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.178	3.121	3.202	BV	96	834	0.02%	0.001%
2	3.212	3.202	3.220	VV	134	801	0.02%	0.001%
3	3.239	3.220	3.251	VV	191	2730	0.08%	0.002%
4	3.269	3.251	3.351	VV	601	10690	0.31%	0.009%
5	3.368	3.351	3.377	PV	150	1454	0.04%	0.001%
6	3.393	3.377	3.410	VV	321	3843	0.11%	0.003%
7	3.424	3.410	3.443	VV	374	4309	0.12%	0.004%
8	3.465	3.443	3.480	VV	358	4830	0.14%	0.004%
9	3.495	3.480	3.522	VV	349	5955	0.17%	0.005%
10	3.533	3.522	3.548	VV	329	2924	0.08%	0.002%
11	3.568	3.548	3.606	VV	815	12265	0.35%	0.010%
12	3.645	3.606	3.676	VV	667	13889	0.40%	0.012%
13	3.698	3.676	3.748	VV	1760	33322	0.96%	0.028%
14	3.780	3.748	3.814	VV	1908	31153	0.90%	0.026%
15	3.834	3.814	3.864	VV	834	12760	0.37%	0.011%
16	3.883	3.864	3.908	VV	2673	27378	0.79%	0.023%
17	3.946	3.908	3.959	PV	1561	24576	0.71%	0.020%
18	3.968	3.959	3.997	VV	1352	17765	0.51%	0.015%
19	4.041	3.997	4.053	PV	1240	20340	0.59%	0.017%
20	4.066	4.053	4.089	VV	1071	16406	0.47%	0.014%
21	4.110	4.089	4.127	VV	1612	24530	0.71%	0.020%
22	4.142	4.127	4.171	VV	1588	24237	0.70%	0.020%
23	4.192	4.171	4.204	VV	1037	13166	0.38%	0.011%
24	4.244	4.204	4.255	VV	2013	37152	1.07%	0.031%
25	4.272	4.255	4.292	VV	2222	36495	1.05%	0.030%
26	4.315	4.292	4.352	VV	2066	39463	1.14%	0.033%
27	4.395	4.352	4.417	PV	3780	55453	1.60%	0.046%
28	4.453	4.417	4.467	VV	2319	49291	1.42%	0.041%
29	4.483	4.467	4.506	VV	2200	41879	1.21%	0.035%
30	4.516	4.506	4.524	VV	1597	15949	0.46%	0.013%
31	4.534	4.524	4.550	VV	1674	19185	0.55%	0.016%
32	4.571	4.550	4.618	VV	4420	74645	2.16%	0.062%
33	4.677	4.618	4.691	VV	3937	86472	2.50%	0.072%
34	4.712	4.691	4.767	VV	7525	187053	5.41%	0.156%
35	4.784	4.767	4.794	VV	4637	54201	1.57%	0.045%
36	4.809	4.794	4.824	VV	6061	80667	2.33%	0.067%

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37	4.861	4.824	4.882	VV	6955	166662	4.82%	0.139%
38	4.915	4.882	4.927	VV	6688	143970	4.16%	0.120%
39	4.942	4.927	4.953	VV	9731	121287	3.51%	0.101%
40	4.963	4.953	4.982	VV	9587	123114	3.56%	0.103%
41	5.011	4.982	5.049	VV	18106	324609	9.38%	0.270%
42	5.081	5.049	5.098	VV	5922	134592	3.89%	0.112%
43	5.116	5.098	5.138	VV	9356	140002	4.05%	0.117%
44	5.183	5.138	5.230	VV	10037	304134	8.79%	0.253%
45	5.281	5.230	5.317	VV	17344	469596	13.57%	0.391%
46	5.335	5.317	5.356	VV	8763	161324	4.66%	0.134%
47	5.386	5.356	5.399	VV	9092	174185	5.03%	0.145%
48	5.420	5.399	5.434	VV	15617	231453	6.69%	0.193%
49	5.443	5.434	5.467	VV	12259	222594	6.43%	0.185%
50	5.481	5.467	5.491	VV	13000	161367	4.66%	0.134%
51	5.506	5.491	5.528	VV	17531	310298	8.97%	0.258%
52	5.542	5.528	5.564	VV	15938	279935	8.09%	0.233%
53	5.577	5.564	5.593	VV	12219	184793	5.34%	0.154%
54	5.606	5.593	5.624	VV	10802	160776	4.65%	0.134%
55	5.651	5.624	5.670	VV	41891	553531	16.00%	0.461%
56	5.685	5.670	5.701	VV	17448	245511	7.10%	0.204%
57	5.715	5.701	5.746	VV	14476	308518	8.92%	0.257%
58	5.766	5.746	5.781	VV	14224	252707	7.30%	0.210%
59	5.792	5.781	5.797	VV	11868	108314	3.13%	0.090%
60	5.820	5.797	5.853	VV	61019	900184	26.02%	0.750%
61	5.873	5.853	5.893	VV	15266	316775	9.16%	0.264%
62	5.905	5.893	5.924	VV	16043	238674	6.90%	0.199%
63	5.951	5.924	5.988	VV	29378	684339	19.78%	0.570%
64	6.010	5.988	6.036	VV	21879	466716	13.49%	0.389%
65	6.052	6.036	6.060	VV	22516	286888	8.29%	0.239%
66	6.071	6.060	6.093	VV	23877	342161	9.89%	0.285%
67	6.120	6.093	6.135	VV	31241	488606	14.12%	0.407%
68	6.170	6.135	6.190	VV	41353	829719	23.98%	0.691%
69	6.202	6.190	6.241	VV	23280	608511	17.59%	0.507%
70	6.262	6.241	6.281	VV	24949	498375	14.41%	0.415%
71	6.309	6.281	6.337	VV	32957	823208	23.79%	0.686%
72	6.356	6.337	6.373	VV	33829	579018	16.74%	0.482%
73	6.400	6.373	6.421	VV	36281	817956	23.64%	0.681%
74	6.461	6.421	6.480	VV	38066	1019127	29.46%	0.849%
75	6.496	6.480	6.523	VV	37293	796016	23.01%	0.663%
76	6.543	6.523	6.567	VV	47768	932592	26.96%	0.777%
77	6.594	6.567	6.669	VV	40469	2013071	58.19%	1.677%
78	6.705	6.669	6.724	VV	41177	1011765	29.24%	0.843%
79	6.758	6.724	6.784	VV	34549	1057047	30.55%	0.880%
80	6.798	6.784	6.809	VV	41012	515273	14.89%	0.429%
81	6.857	6.809	6.886	VV	56462	1807575	52.25%	1.506%
82	6.934	6.886	6.966	VV	40265	1561228	45.13%	1.300%
83	6.998	6.966	7.047	VV	71441	2139248	61.83%	1.782%
84	7.067	7.047	7.112	VV	51951	1514863	43.79%	1.262%
85	7.136	7.112	7.156	VV	56493	1208048	34.92%	1.006%
86	7.172	7.156	7.185	VV	49311	754502	21.81%	0.628%
87	7.204	7.185	7.221	VV	55674	1019124	29.46%	0.849%
88	7.242	7.221	7.270	VV	58783	1315477	38.02%	1.096%
89	7.299	7.270	7.313	VV	48546	1074791	31.07%	0.895%

90	7.329	7.313	7.365	VV	47149	1209224	34.95%	1.007%
91	7.392	7.365	7.428	VV	206165	3346767	96.74%	2.788%
92	7.447	7.428	7.467	VV	56489	1110806	32.11%	0.925%
93	7.492	7.467	7.511	VV	75601	1401939	40.52%	1.168%
94	7.521	7.511	7.546	VV	47469	911326	26.34%	0.759%
95	7.578	7.546	7.609	VV	58298	1779773	51.44%	1.482%
96	7.623	7.609	7.642	VV	45113	827636	23.92%	0.689%
97	7.664	7.642	7.693	VV	44515	1235188	35.70%	1.029%
98	7.751	7.693	7.764	VV	51251	1798636	51.99%	1.498%
99	7.792	7.764	7.826	VV	55433	1771762	51.21%	1.476%
100	7.837	7.826	7.856	VV	37469	625769	18.09%	0.521%
101	7.904	7.856	7.922	VV	59249	1791179	51.77%	1.492%
102	7.959	7.922	7.979	VV	73858	1802060	52.09%	1.501%
103	7.998	7.979	8.025	VV	46379	1150182	33.25%	0.958%
104	8.049	8.025	8.071	VV	66719	1344948	38.88%	1.120%
105	8.097	8.071	8.116	VV	46665	1137085	32.87%	0.947%
106	8.195	8.116	8.211	VV	52210	2578326	74.53%	2.148%
107	8.229	8.211	8.272	VV	68741	1807647	52.25%	1.506%
108	8.320	8.272	8.345	VV	196070	3459636	100.00%	2.882%
109	8.368	8.345	8.391	VV	62189	1398584	40.43%	1.165%
110	8.409	8.391	8.428	VV	57065	1056904	30.55%	0.880%
111	8.468	8.428	8.485	VV	46731	1503214	43.45%	1.252%
112	8.499	8.485	8.542	VV	49386	1461008	42.23%	1.217%
113	8.579	8.542	8.606	VV	39400	1430536	41.35%	1.192%
114	8.623	8.606	8.633	VV	40053	600719	17.36%	0.500%
115	8.656	8.633	8.699	VV	98492	2178695	62.97%	1.815%
116	8.711	8.699	8.729	VV	40791	712604	20.60%	0.594%
117	8.750	8.729	8.765	VV	44520	884240	25.56%	0.737%
118	8.782	8.765	8.816	VV	43671	1216925	35.17%	1.014%
119	8.830	8.816	8.839	VV	39636	524219	15.15%	0.437%
120	8.857	8.839	8.872	VV	59957	931525	26.93%	0.776%
121	8.887	8.872	8.912	VV	51333	1045123	30.21%	0.871%
122	8.921	8.912	8.933	VV	34796	434091	12.55%	0.362%
123	8.954	8.933	8.978	VV	73899	1298320	37.53%	1.081%
124	9.039	8.978	9.065	VV	91120	2699914	78.04%	2.249%
125	9.077	9.065	9.097	VV	36427	637939	18.44%	0.531%
126	9.116	9.097	9.138	VV	43740	885943	25.61%	0.738%
127	9.186	9.138	9.204	VV	46142	1438231	41.57%	1.198%
128	9.218	9.204	9.232	VV	32712	527839	15.26%	0.440%
129	9.262	9.232	9.316	VV	39636	1682689	48.64%	1.402%
130	9.333	9.316	9.348	VV	32056	577620	16.70%	0.481%
131	9.353	9.348	9.376	VV	31164	481876	13.93%	0.401%
132	9.408	9.376	9.435	VV	33952	988581	28.57%	0.823%
133	9.453	9.435	9.496	VV	26351	843323	24.38%	0.702%
134	9.530	9.496	9.545	VV	26245	672369	19.43%	0.560%
135	9.561	9.545	9.599	VV	27540	806255	23.30%	0.672%
136	9.627	9.599	9.666	VV	28090	951946	27.52%	0.793%
137	9.697	9.666	9.747	VV	36852	1265567	36.58%	1.054%
138	9.778	9.747	9.808	VV	28915	849847	24.56%	0.708%
139	9.861	9.808	9.907	VV	28789	1226018	35.44%	1.021%
140	9.940	9.907	9.974	VV	17009	653538	18.89%	0.544%
141	9.986	9.974	9.998	VV	16118	222095	6.42%	0.185%

142	10.017	9.998	10.037	VV	17751	390667	11.29%	0.325%
143	10.064	10.037	10.090	VV	21886	597265	17.26%	0.497%
144	10.105	10.090	10.127	VV	20572	391458	11.32%	0.326%
145	10.137	10.127	10.147	VV	14753	168184	4.86%	0.140%
146	10.162	10.147	10.196	VV	16593	444920	12.86%	0.371%
147	10.209	10.196	10.252	VV	15380	446872	12.92%	0.372%
148	10.284	10.252	10.294	VV	12136	296633	8.57%	0.247%
149	10.337	10.294	10.360	VV	13665	495832	14.33%	0.413%
150	10.383	10.360	10.407	VV	13088	333716	9.65%	0.278%
151	10.421	10.407	10.434	VV	11359	182996	5.29%	0.152%
152	10.453	10.434	10.464	VV	12444	209272	6.05%	0.174%
153	10.491	10.464	10.521	VV	29369	631699	18.26%	0.526%
154	10.532	10.521	10.540	VV	11724	134533	3.89%	0.112%
155	10.550	10.540	10.608	VV	11863	449253	12.99%	0.374%
156	10.640	10.608	10.664	VV	12609	353088	10.21%	0.294%
157	10.684	10.664	10.703	VV	9566	212013	6.13%	0.177%
158	10.738	10.703	10.749	VV	10361	266993	7.72%	0.222%
159	10.774	10.749	10.792	VV	11833	276190	7.98%	0.230%
160	10.842	10.792	10.880	VV	15257	598148	17.29%	0.498%
161	10.915	10.880	10.944	VV	39260	756760	21.87%	0.630%
162	10.956	10.944	10.995	VV	9842	257371	7.44%	0.214%
163	11.038	10.995	11.066	VV	8585	341252	9.86%	0.284%
164	11.078	11.066	11.098	VV	8308	149079	4.31%	0.124%
165	11.116	11.098	11.139	VV	8135	190532	5.51%	0.159%
166	11.175	11.139	11.198	VV	8324	270909	7.83%	0.226%
167	11.235	11.198	11.281	VV	11197	415554	12.01%	0.346%
168	11.298	11.281	11.308	VV	7049	112474	3.25%	0.094%
169	11.323	11.308	11.360	VV	7156	210345	6.08%	0.175%
170	11.374	11.360	11.387	VV	6803	106919	3.09%	0.089%
171	11.410	11.387	11.430	VV	6863	169929	4.91%	0.142%
172	11.468	11.430	11.503	VV	8296	322357	9.32%	0.269%
173	11.544	11.503	11.590	VV	13712	451494	13.05%	0.376%
174	11.636	11.590	11.671	VV	20949	503099	14.54%	0.419%
175	11.698	11.671	11.725	VV	5906	186227	5.38%	0.155%
176	11.750	11.725	11.763	VV	5648	128208	3.71%	0.107%
177	11.783	11.763	11.790	VV	5833	89092	2.58%	0.074%
178	11.844	11.790	11.884	VV	7509	379802	10.98%	0.316%
179	11.914	11.884	11.924	VV	6528	145193	4.20%	0.121%
180	11.941	11.924	11.967	VV	6608	151928	4.39%	0.127%
181	11.984	11.967	12.001	VV	5768	112930	3.26%	0.094%
182	12.008	12.001	12.017	VV	5655	53654	1.55%	0.045%
183	12.038	12.017	12.081	VV	6252	217496	6.29%	0.181%
184	12.100	12.081	12.124	VV	6091	143252	4.14%	0.119%
185	12.149	12.124	12.169	VV	7567	175008	5.06%	0.146%
186	12.210	12.169	12.271	VV	13239	467282	13.51%	0.389%
187	12.286	12.271	12.299	VV	4922	81305	2.35%	0.068%
188	12.324	12.299	12.386	VV	5999	263650	7.62%	0.220%
189	12.417	12.386	12.458	VV	5315	210036	6.07%	0.175%
190	12.482	12.458	12.508	VV	5426	152523	4.41%	0.127%
191	12.519	12.508	12.542	VV	5276	98540	2.85%	0.082%
192	12.578	12.542	12.613	VV	4976	201287	5.82%	0.168%
193	12.630	12.613	12.653	VV	5163	112899	3.26%	0.094%
194	12.675	12.653	12.696	VV	4818	115162	3.33%	0.096%

195	12.719	12.696	12.757	VV	4539	153973	4.45%	0.128%
196	12.792	12.757	12.818	VV	6456	184572	5.34%	0.154%
197	12.854	12.818	12.931	VV	11791	346832	10.03%	0.289%
198	12.957	12.931	12.986	VV	4895	138197	3.99%	0.115%
199	13.000	12.986	13.033	VV	3631	90029	2.60%	0.075%
200	13.054	13.033	13.081	VV	2834	75934	2.19%	0.063%
201	13.118	13.081	13.129	VV	3089	78360	2.26%	0.065%
202	13.137	13.129	13.158	VV	2923	48689	1.41%	0.041%
203	13.180	13.158	13.200	VV	3609	75931	2.19%	0.063%
204	13.215	13.200	13.223	VV	2682	36539	1.06%	0.030%
205	13.243	13.223	13.261	VV	3225	65203	1.88%	0.054%
206	13.300	13.261	13.331	VV	26931	404367	11.69%	0.337%
207	13.349	13.331	13.385	VV	4591	115909	3.35%	0.097%
208	13.408	13.385	13.438	VV	4378	99321	2.87%	0.083%
209	13.465	13.438	13.492	VV	6970	136467	3.94%	0.114%
210	13.508	13.492	13.615	VV	3512	168448	4.87%	0.140%
211	13.629	13.615	13.657	VV	1794	40042	1.16%	0.033%
212	13.691	13.657	13.713	VV	2605	62903	1.82%	0.052%
213	13.732	13.713	13.764	VV	1968	54511	1.58%	0.045%
214	13.774	13.764	13.790	VV	1684	23153	0.67%	0.019%
215	13.838	13.790	13.864	VV	1756	68206	1.97%	0.057%
216	13.907	13.864	13.940	VV	1875	75336	2.18%	0.063%
217	13.963	13.940	13.979	VV	2089	41784	1.21%	0.035%
218	13.998	13.979	14.025	VV	3007	55269	1.60%	0.046%
219	14.050	14.025	14.128	VV	5673	126414	3.65%	0.105%
220	14.136	14.128	14.158	VV	914	14922	0.43%	0.012%
221	14.194	14.158	14.239	VV	928	33101	0.96%	0.028%
222	14.283	14.239	14.316	VV	1648	45475	1.31%	0.038%
223	14.345	14.316	14.393	VV	846	30649	0.89%	0.026%
224	14.416	14.393	14.431	VV	1718	24745	0.72%	0.021%
225	14.460	14.431	14.485	VV	1135	30750	0.89%	0.026%
226	14.496	14.485	14.511	VV	728	9507	0.27%	0.008%
227	14.561	14.511	14.588	VV	2501	59869	1.73%	0.050%
228	14.614	14.588	14.645	VV	3800	55088	1.59%	0.046%
229	14.672	14.645	14.693	VV	864	19239	0.56%	0.016%
230	14.737	14.693	14.794	VV	881	33994	0.98%	0.028%
231	14.811	14.794	14.821	VV	352	3383	0.10%	0.003%
232	14.862	14.821	14.883	VV	996	19876	0.57%	0.017%
233	14.906	14.883	14.945	VV	1507	25127	0.73%	0.021%
234	14.996	14.945	15.038	VV	627	19987	0.58%	0.017%
235	15.044	15.038	15.061	VV	226	2783	0.08%	0.002%
236	15.110	15.061	15.127	VV	2656	44744	1.29%	0.037%
237	15.152	15.127	15.227	VV	3782	71457	2.07%	0.060%
238	15.248	15.227	15.263	VV	298	5227	0.15%	0.004%
239	15.295	15.263	15.327	VV	541	13698	0.40%	0.011%
240	15.355	15.327	15.364	VV	386	7262	0.21%	0.006%
241	15.383	15.364	15.404	VV	450	8960	0.26%	0.007%
242	15.410	15.404	15.429	VV	449	4182	0.12%	0.003%
243	15.470	15.429	15.481	VV	425	9461	0.27%	0.008%
244	15.495	15.481	15.508	VV	469	5756	0.17%	0.005%
245	15.533	15.508	15.547	VV	632	9926	0.29%	0.008%
246	15.581	15.547	15.608	VV	678	20983	0.61%	0.017%

247	15.631	15.608	15.650	VV	1690	26105	0.75%	0.022%
248	15.671	15.650	15.705	VV	3044	49302	1.43%	0.041%
249	15.733	15.705	15.754	VV	857	19105	0.55%	0.016%
250	15.765	15.754	15.779	VV	435	4827	0.14%	0.004%
251	15.805	15.779	15.833	VV	565	9803	0.28%	0.008%
252	15.852	15.833	15.873	PV	410	5995	0.17%	0.005%
253	15.892	15.873	15.911	VV	499	7258	0.21%	0.006%
254	15.931	15.911	15.950	VV	387	6336	0.18%	0.005%
255	15.984	15.950	16.024	VV	761	17615	0.51%	0.015%
256	16.044	16.024	16.078	VV	486	9071	0.26%	0.008%
257	16.134	16.078	16.149	VV	1578	30990	0.90%	0.026%
258	16.173	16.149	16.261	VV	3387	72164	2.09%	0.060%
259	16.307	16.261	16.327	VV	703	13239	0.38%	0.011%
260	16.375	16.327	16.411	PV	765	20273	0.59%	0.017%
261	16.419	16.411	16.441	VV	183	1741	0.05%	0.001%
262	16.508	16.441	16.518	VV	494	15085	0.44%	0.013%
263	16.528	16.518	16.545	VV	503	5891	0.17%	0.005%
264	16.557	16.545	16.576	VV	267	3260	0.09%	0.003%
265	16.653	16.576	16.707	VV	3427	89277	2.58%	0.074%
266	16.737	16.707	16.756	PV	670	12654	0.37%	0.011%
267	16.779	16.756	16.791	VV	326	5342	0.15%	0.004%
268	16.818	16.791	16.839	VV	1064	18341	0.53%	0.015%
269	16.865	16.839	16.898	VV	686	19152	0.55%	0.016%
270	16.912	16.898	16.938	VV	351	6601	0.19%	0.005%
271	16.999	16.938	17.030	VV	774	22158	0.64%	0.018%
272	17.087	17.030	17.096	PV	1401	22832	0.66%	0.019%
273	17.120	17.096	17.181	VV	4801	91352	2.64%	0.076%
274	17.211	17.181	17.224	VV	478	9423	0.27%	0.008%
275	17.238	17.224	17.261	VV	372	6701	0.19%	0.006%
276	17.285	17.261	17.293	VV	492	5939	0.17%	0.005%
277	17.359	17.293	17.401	VV	1134	37527	1.08%	0.031%
278	17.487	17.401	17.508	VV	1128	31066	0.90%	0.026%
279	17.534	17.508	17.549	VV	1956	34245	0.99%	0.029%
280	17.571	17.549	17.621	VV	5142	87791	2.54%	0.073%
281	17.678	17.621	17.714	VV	1266	47654	1.38%	0.040%
282	17.773	17.714	17.812	VV	1230	26832	0.78%	0.022%
283	17.860	17.812	17.880	PV	511	9078	0.26%	0.008%
284	17.906	17.880	17.923	VV	743	11847	0.34%	0.010%
285	17.946	17.923	17.958	VV	1010	14584	0.42%	0.012%
286	18.007	17.958	18.034	VV	7219	123309	3.56%	0.103%
287	18.148	18.034	18.164	VV	2743	69728	2.02%	0.058%
288	18.184	18.164	18.224	VV	2371	50464	1.46%	0.042%
289	18.245	18.224	18.257	VV	479	6068	0.18%	0.005%
290	18.284	18.257	18.303	VV	1274	19745	0.57%	0.016%
291	18.325	18.303	18.335	VV	1090	15151	0.44%	0.013%
292	18.353	18.335	18.375	VV	1398	23612	0.68%	0.020%
293	18.430	18.375	18.457	VV	6078	99467	2.88%	0.083%
294	18.485	18.457	18.498	VV	1324	22099	0.64%	0.018%
295	18.516	18.498	18.541	VV	2875	45372	1.31%	0.038%
296	18.551	18.541	18.564	VV	731	8089	0.23%	0.007%
297	18.584	18.564	18.604	VV	393	7019	0.20%	0.006%
298	18.692	18.604	18.701	PV	546	15921	0.46%	0.013%
299	18.715	18.701	18.756	VV	536	10801	0.31%	0.009%

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300	18.838	18.756	18.903	PV	6768	138325	4.00%	0.115%
301	18.938	18.903	18.968	VV	1195	21547	0.62%	0.018%
302	18.986	18.968	19.011	VV	761	14152	0.41%	0.012%
303	19.017	19.011	19.027	VV	285	2422	0.07%	0.002%
304	19.035	19.027	19.041	VV	247	1535	0.04%	0.001%
305	19.124	19.041	19.144	VV	561	21388	0.62%	0.018%
306	19.159	19.144	19.180	VV	353	4738	0.14%	0.004%
307	19.235	19.180	19.305	PV	5345	115573	3.34%	0.096%
308	19.343	19.305	19.381	PV	1007	28815	0.83%	0.024%
309	19.410	19.381	19.422	VV	1076	20273	0.59%	0.017%
310	19.443	19.422	19.470	VV	862	21102	0.61%	0.018%
311	19.485	19.470	19.504	VV	801	12836	0.37%	0.011%
312	19.537	19.504	19.551	VV	713	14363	0.42%	0.012%
313	19.622	19.551	19.671	VV	5619	141337	4.09%	0.118%
314	19.682	19.671	19.691	VV	692	7603	0.22%	0.006%
315	19.696	19.691	19.705	VV	640	4783	0.14%	0.004%
316	19.743	19.705	19.781	VV	1660	46703	1.35%	0.039%
317	19.917	19.781	19.937	VV	2287	123636	3.57%	0.103%
318	19.996	19.937	20.024	VV	5531	153413	4.43%	0.128%
319	20.043	20.024	20.077	VV	2310	62792	1.81%	0.052%
320	20.294	20.077	20.330	VV	4835	464369	13.42%	0.387%

Sum of corrected areas: 120057218

Aliphatic EPH 091024.M Sat Sep 21 05:55:17 2024

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

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-22ADL	SDG No.:	P4103
Lab Sample ID:	P4103-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
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
FG014299.D	5	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	8.86		1.62	3.59	mg/kg
Aromatic C12-C16	Aromatic C12-C16	86.7		1.83	5.39	mg/kg
Aromatic C16-C21	Aromatic C16-C21	67.5		5.17	8.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.38	J	10.8	14.4	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.97		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	7.35		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.02		40 - 140	40%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-01DL	Acq On:	20 Sep 2024 10:09
Client Sample ID:	WC-22ADL	Operator:	YP\AJ
Data file:	FG014299.D	Misc:	
Instrument:	FID_G	ALS Vial:	12
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.374	6.243	3143525	24.666	200	ug/ml
Aromatic C12-C16	6.244	8.941	31838996	241.31	300	ug/ml
Aromatic C16-C21	8.942	13.263	24421733	187.936	500	ug/ml
Aromatic C21-C36	13.264	18.721	1889513	14.985	800	ug/ml
Aromatic EPH	4.374	18.721	61293767	468.897		ug/ml
ortho-Terphenyl (SURR)	11.811	11.811	541621	4.02		ug/ml
2-Bromonaphthalene (SURR)	7.871	7.871	1115943	9.97		ug/ml
2-Flurobiphenyl (SURR)	8.744	8.744	535082	7.35		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014299.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:09
Operator : YP\AJ
Sample : P4103-01DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 21 03:12:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
WC-22ADL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.871	1115943	9.975 ug/mlm
Spiked Amount 50.000		Recovery =	19.95%
6) S 2-Flurobiphenyl (SURR)	8.744	535082	7.349 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	14.70%
11) S ortho-Terphenyl (SURR)	11.811	541621	4.018 ug/mlm
Spiked Amount 50.000		Recovery =	8.04%
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014299.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:09
Operator : YP\AJ
Sample : P4103-01DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

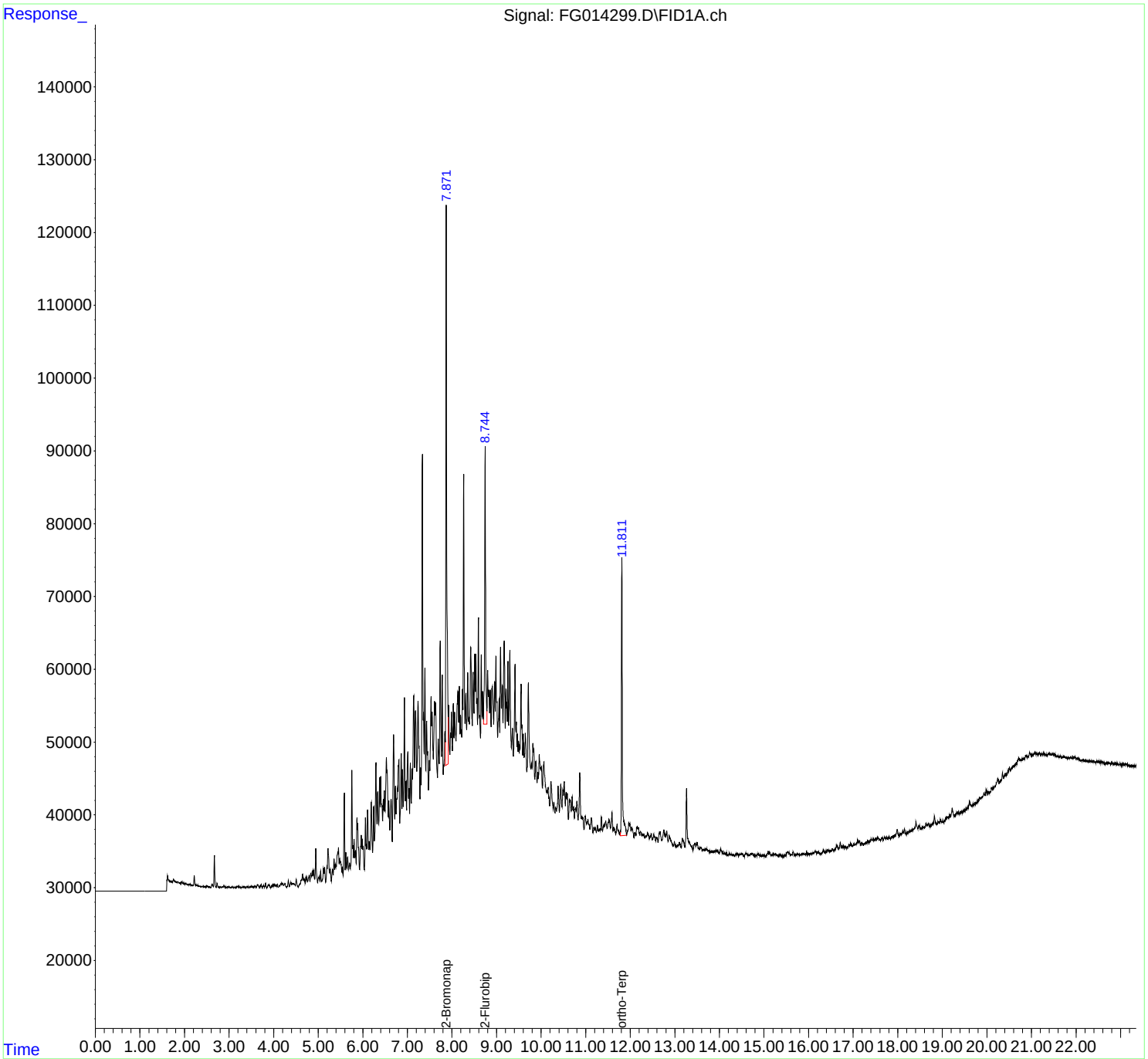
Integration File: autoint1.e
Quant Time: Sep 21 03:12:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

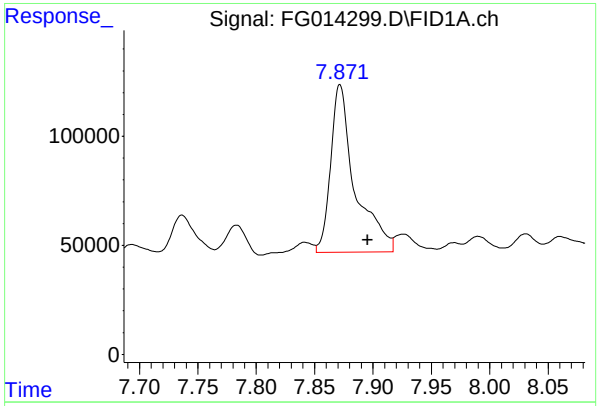
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
WC-22ADL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024





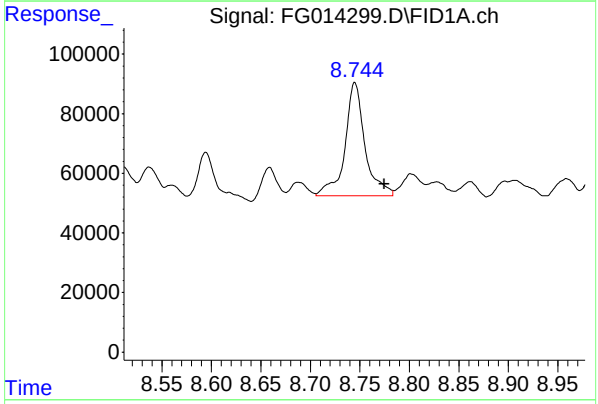
#4 2-Bromonaphthalene (SURR)

R.T.: 7.871 min
Delta R.T.: -0.024 min
Response: 1115943
Conc: 9.97 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-22ADL

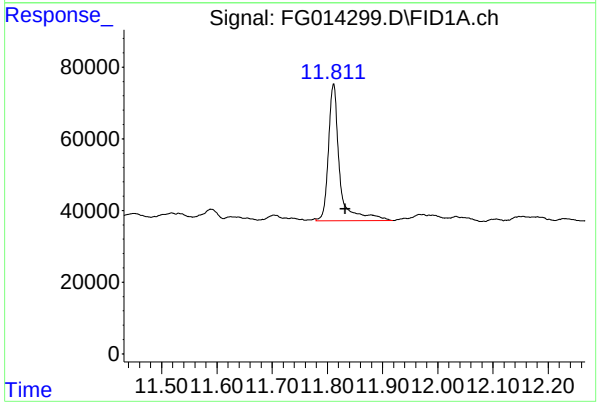
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.744 min
Delta R.T.: -0.030 min
Response: 535082
Conc: 7.35 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.811 min
Delta R.T.: -0.021 min
Response: 541621
Conc: 4.02 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-22ADL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09202
Data File : FG014299.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:09
Sample : P4103-01DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.330	4.270	4.358	BV	832	8536	0.49%	0.014%
2	4.385	4.358	4.406	VV	579	10363	0.60%	0.017%
3	4.425	4.406	4.431	VV	457	5670	0.33%	0.009%
4	4.437	4.431	4.443	VV	421	2960	0.17%	0.005%
5	4.449	4.443	4.464	VV	413	4521	0.26%	0.007%
6	4.471	4.464	4.487	VV	355	3761	0.22%	0.006%
7	4.507	4.487	4.550	VV	1038	16507	0.96%	0.027%
8	4.587	4.559	4.594	VV	398	5578	0.32%	0.009%
9	4.623	4.594	4.630	VV	943	15114	0.88%	0.024%
10	4.649	4.630	4.682	VV	1743	37283	2.16%	0.060%
11	4.692	4.682	4.707	VV	1044	12843	0.74%	0.021%
12	4.724	4.707	4.735	VV	1342	16090	0.93%	0.026%
13	4.746	4.735	4.760	VV	1300	15153	0.88%	0.024%
14	4.798	4.760	4.815	VV	1510	35301	2.05%	0.057%
15	4.838	4.815	4.850	VV	1782	29612	1.72%	0.048%
16	4.876	4.850	4.892	VV	2168	41406	2.40%	0.067%
17	4.903	4.892	4.924	VV	2157	29353	1.70%	0.047%
18	4.946	4.924	4.986	VV	5124	82434	4.78%	0.133%
19	5.021	4.986	5.037	VV	1280	29132	1.69%	0.047%
20	5.054	5.037	5.077	VV	2032	27366	1.59%	0.044%
21	5.119	5.077	5.131	VV	2378	42521	2.46%	0.068%
22	5.144	5.131	5.168	VV	2527	34909	2.02%	0.056%
23	5.195	5.168	5.202	VV	2512	30914	1.79%	0.050%
24	5.219	5.202	5.252	VV	5065	106614	6.18%	0.172%
25	5.269	5.252	5.294	VV	2190	40347	2.34%	0.065%
26	5.323	5.294	5.336	VV	2184	38910	2.26%	0.063%
27	5.356	5.336	5.371	VV	3578	53591	3.11%	0.086%
28	5.382	5.371	5.392	VV	2738	31073	1.80%	0.050%
29	5.439	5.392	5.445	VV	4537	110949	6.43%	0.179%
30	5.455	5.445	5.469	VV	5081	59305	3.44%	0.095%
31	5.479	5.469	5.496	VV	3548	52601	3.05%	0.085%
32	5.499	5.496	5.530	VV	3171	53516	3.10%	0.086%
33	5.542	5.530	5.559	VV	2405	31500	1.83%	0.051%
34	5.585	5.559	5.606	VV	12527	171594	9.95%	0.276%
35	5.620	5.606	5.641	VV	4354	64261	3.72%	0.103%
36	5.659	5.641	5.684	VV	3674	73220	4.24%	0.118%

Instrument :
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37	5.705	5.684	5.719	VV	2850	52202	3.03%	0.084%
38	5.755	5.719	5.774	VV	15582	226935	13	
39	5.781	5.774	5.792	VV	5241	49592	2	
40	5.805	5.792	5.822	VV	6098	84917	4	
41	5.836	5.822	5.852	VV	4535	68089	3	
42	5.869	5.852	5.878	VV	8994	102749	5	
43	5.886	5.878	5.928	VV	8276	151957	8.81%	0.245%
44	5.966	5.928	5.978	VV	6600	138349	8.02%	0.223%
45	5.989	5.978	6.001	VV	6033	72609	4.21%	0.117%
46	6.009	6.001	6.034	VV	5082	71193	4.13%	0.115%
47	6.060	6.034	6.075	VV	8977	127935	7.42%	0.206%
48	6.080	6.075	6.089	VV	5383	42829	2.48%	0.069%
49	6.108	6.089	6.130	VV	10044	183928	10.66%	0.296%
50	6.141	6.130	6.159	VV	5689	88203	5.11%	0.142%
51	6.190	6.159	6.221	VV	11016	265766	15.40%	0.428%
52	6.244	6.221	6.260	VV	10444	174063	10.09%	0.280%
53	6.295	6.260	6.319	VV	16450	362389	21.00%	0.584%
54	6.334	6.319	6.357	VV	12425	227673	13.20%	0.367%
55	6.378	6.357	6.389	VV	14361	214730	12.45%	0.346%
56	6.402	6.389	6.445	VV	14514	374772	21.72%	0.603%
57	6.461	6.445	6.471	VV	11339	157766	9.14%	0.254%
58	6.484	6.471	6.499	VV	12524	184821	10.71%	0.298%
59	6.530	6.499	6.542	VV	17037	357366	20.71%	0.575%
60	6.547	6.542	6.571	VV	15261	221489	12.84%	0.357%
61	6.584	6.571	6.608	VV	11077	203213	11.78%	0.327%
62	6.636	6.608	6.660	VV	11290	282522	16.38%	0.455%
63	6.692	6.660	6.718	VV	20111	464197	26.90%	0.747%
64	6.733	6.718	6.746	VV	13050	179961	10.43%	0.290%
65	6.778	6.746	6.783	VV	12714	247257	14.33%	0.398%
66	6.809	6.783	6.830	VV	16637	385530	22.35%	0.621%
67	6.863	6.830	6.880	VV	17520	366780	21.26%	0.591%
68	6.892	6.880	6.908	VV	15267	209145	12.12%	0.337%
69	6.935	6.908	6.956	VV	25154	459859	26.65%	0.741%
70	6.970	6.956	6.983	VV	13616	189864	11.00%	0.306%
71	7.010	6.983	7.028	VV	17681	389221	22.56%	0.627%
72	7.038	7.028	7.051	VV	12654	155688	9.02%	0.251%
73	7.068	7.051	7.088	VV	16108	286891	16.63%	0.462%
74	7.107	7.088	7.117	VV	15291	235872	13.67%	0.380%
75	7.142	7.117	7.164	VV	25349	564535	32.72%	0.909%
76	7.184	7.164	7.212	VV	23176	565957	32.80%	0.911%
77	7.240	7.212	7.259	VV	24525	557514	32.31%	0.898%
78	7.263	7.259	7.283	VV	18397	226713	13.14%	0.365%
79	7.297	7.283	7.309	VV	15347	211649	12.27%	0.341%
80	7.337	7.309	7.357	VV	58433	938661	54.41%	1.512%
81	7.362	7.357	7.377	VV	22914	249175	14.44%	0.401%
82	7.394	7.377	7.413	VV	29056	474228	27.49%	0.764%
83	7.432	7.413	7.449	VV	21709	392771	22.77%	0.632%
84	7.455	7.449	7.473	VV	17556	229319	13.29%	0.369%
85	7.496	7.473	7.505	VV	16294	278941	16.17%	0.449%
86	7.532	7.505	7.544	VV	25036	475903	27.58%	0.766%
87	7.556	7.544	7.582	VV	22914	460960	26.72%	0.742%
88	7.611	7.582	7.622	VV	24356	504822	29.26%	0.813%
89	7.634	7.622	7.676	VV	24148	614840	35.64%	0.990%

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90	7.693	7.676	7.716	VV	19161	401035	23.24%	0.646%
91	7.736	7.716	7.764	VV	32583	681551	39	
92	7.783	7.764	7.804	VV	27971	504882	29	
93	7.842	7.804	7.851	VV	20102	471648	27	
94	7.872	7.851	7.916	VV	92353	1725320	100	
95	7.926	7.916	7.955	VV	23718	468962	27	
96	7.969	7.955	7.976	VV	19873	242937	14.08%	0.391%
97	7.990	7.976	8.011	VV	22762	425219	24.65%	0.685%
98	8.031	8.011	8.046	VV	23896	430950	24.98%	0.694%
99	8.060	8.046	8.090	VV	22712	542040	31.42%	0.873%
100	8.132	8.090	8.154	VV	25532	867635	50.29%	1.397%
101	8.167	8.154	8.182	VV	26202	388680	22.53%	0.626%
102	8.192	8.182	8.205	VV	22247	292591	16.96%	0.471%
103	8.211	8.205	8.220	VV	20151	181070	10.49%	0.292%
104	8.238	8.220	8.247	VV	25770	367685	21.31%	0.592%
105	8.264	8.247	8.294	VV	55202	963467	55.84%	1.551%
106	8.312	8.294	8.331	VV	25241	494310	28.65%	0.796%
107	8.356	8.331	8.375	VV	28025	638088	36.98%	1.027%
108	8.380	8.375	8.392	VV	21686	215520	12.49%	0.347%
109	8.422	8.392	8.456	VV	31417	979543	56.77%	1.577%
110	8.474	8.456	8.495	VV	28045	573197	33.22%	0.923%
111	8.512	8.495	8.525	VV	30543	492032	28.52%	0.792%
112	8.537	8.525	8.576	VV	30485	774560	44.89%	1.247%
113	8.594	8.576	8.640	VV	35478	953939	55.29%	1.536%
114	8.659	8.640	8.675	VV	30377	526238	30.50%	0.847%
115	8.688	8.675	8.705	VV	25315	425827	24.68%	0.686%
116	8.745	8.705	8.785	VV	58804	1524015	88.33%	2.454%
117	8.802	8.785	8.817	VV	28069	506112	29.33%	0.815%
118	8.828	8.817	8.845	VV	25446	408280	23.66%	0.657%
119	8.862	8.845	8.878	VV	25467	463105	26.84%	0.746%
120	8.907	8.878	8.937	VV	25897	831501	48.19%	1.339%
121	8.959	8.937	8.972	VV	26502	508221	29.46%	0.818%
122	8.987	8.972	9.027	VV	29994	791278	45.86%	1.274%
123	9.060	9.027	9.073	VV	24155	596719	34.59%	0.961%
124	9.091	9.073	9.112	VV	31241	600245	34.79%	0.967%
125	9.129	9.112	9.146	VV	25924	498910	28.92%	0.803%
126	9.173	9.146	9.197	VV	32126	803619	46.58%	1.294%
127	9.212	9.197	9.224	VV	25496	378638	21.95%	0.610%
128	9.231	9.224	9.242	VV	23663	239780	13.90%	0.386%
129	9.257	9.242	9.272	VV	29277	449795	26.07%	0.724%
130	9.299	9.272	9.334	VV	30694	851172	49.33%	1.371%
131	9.357	9.334	9.377	VV	19986	476012	27.59%	0.767%
132	9.415	9.377	9.435	VV	28740	750959	43.53%	1.209%
133	9.445	9.435	9.460	VV	20868	287695	16.67%	0.463%
134	9.471	9.460	9.484	VV	19104	261882	15.18%	0.422%
135	9.494	9.484	9.509	VV	18118	256449	14.86%	0.413%
136	9.518	9.509	9.529	VV	17548	206337	11.96%	0.332%
137	9.551	9.529	9.567	VV	26001	495429	28.72%	0.798%
138	9.572	9.567	9.588	VV	20383	233279	13.52%	0.376%
139	9.601	9.588	9.618	VV	19118	319065	18.49%	0.514%
140	9.648	9.618	9.679	VV	19238	617374	35.78%	0.994%
141	9.715	9.679	9.774	VV	26166	1008953	58.48%	1.625%

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142	9.787	9.774	9.799	VV	15055	226952	13.15%	0.365%
143	9.818	9.799	9.828	VV	17748	287325	16	
144	9.838	9.828	9.858	VV	16929	275853	15	
145	9.881	9.858	9.911	VV	15266	446160	25	
146	9.929	9.911	9.941	VV	13752	231510	13	
147	9.959	9.941	9.997	VV	16193	494034	28	
148	10.010	9.997	10.030	VV	14617	268532	15.56%	0.432%
149	10.062	10.030	10.118	VV	15113	681915	39.52%	1.098%
150	10.125	10.118	10.144	VV	11101	172631	10.01%	0.278%
151	10.154	10.144	10.194	VV	11518	312464	18.11%	0.503%
152	10.222	10.194	10.273	VV	12386	489209	28.35%	0.788%
153	10.286	10.273	10.311	VV	9428	201952	11.71%	0.325%
154	10.325	10.311	10.349	VV	8832	189513	10.98%	0.305%
155	10.383	10.349	10.409	VV	11696	349839	20.28%	0.563%
156	10.441	10.409	10.469	VV	11876	353813	20.51%	0.570%
157	10.488	10.469	10.500	VV	11078	193583	11.22%	0.312%
158	10.520	10.500	10.544	VV	12259	286162	16.59%	0.461%
159	10.561	10.544	10.579	VV	10749	206664	11.98%	0.333%
160	10.588	10.579	10.614	VV	10540	186569	10.81%	0.300%
161	10.637	10.614	10.644	VV	9732	155843	9.03%	0.251%
162	10.656	10.644	10.675	VV	9655	170891	9.90%	0.275%
163	10.696	10.675	10.720	VV	10099	239590	13.89%	0.386%
164	10.729	10.720	10.748	VV	8658	137571	7.97%	0.222%
165	10.772	10.748	10.786	VV	8513	181256	10.51%	0.292%
166	10.803	10.786	10.828	VV	9443	215664	12.50%	0.347%
167	10.866	10.828	10.900	VV	13303	397263	23.03%	0.640%
168	10.912	10.900	10.919	VV	7259	80493	4.67%	0.130%
169	10.925	10.919	10.931	VV	7147	53657	3.11%	0.086%
170	10.937	10.931	10.960	VV	7140	112341	6.51%	0.181%
171	10.990	10.960	11.027	VV	7339	258910	15.01%	0.417%
172	11.051	11.027	11.093	VV	6802	249778	14.48%	0.402%
173	11.128	11.093	11.162	VV	6993	250467	14.52%	0.403%
174	11.188	11.162	11.202	VV	5695	129237	7.49%	0.208%
175	11.220	11.202	11.239	VV	5662	117912	6.83%	0.190%
176	11.264	11.239	11.291	VV	5999	171145	9.92%	0.276%
177	11.303	11.291	11.314	VV	5369	69873	4.05%	0.113%
178	11.324	11.314	11.335	VV	5535	69122	4.01%	0.111%
179	11.352	11.335	11.379	VV	7064	157569	9.13%	0.254%
180	11.397	11.379	11.412	VV	5836	112789	6.54%	0.182%
181	11.449	11.412	11.481	VV	6498	246696	14.30%	0.397%
182	11.518	11.481	11.526	VV	6610	163978	9.50%	0.264%
183	11.531	11.526	11.557	VV	6557	112391	6.51%	0.181%
184	11.589	11.557	11.612	VV	7598	209648	12.15%	0.338%
185	11.625	11.612	11.650	VV	5505	119193	6.91%	0.192%
186	11.655	11.650	11.674	VV	5171	72061	4.18%	0.116%
187	11.703	11.674	11.730	VV	5952	175784	10.19%	0.283%
188	11.736	11.730	11.760	VV	5088	87583	5.08%	0.141%
189	11.811	11.760	11.869	VV	42665	797041	46.20%	1.283%
190	11.879	11.869	11.919	VV	5934	157520	9.13%	0.254%
191	11.940	11.919	11.945	VV	4968	74277	4.31%	0.120%
192	11.967	11.945	11.988	VV	6030	143778	8.33%	0.232%
193	11.991	11.988	12.018	VV	5800	96993	5.62%	0.156%
194	12.033	12.018	12.078	VV	5474	175946	10.20%	0.283%

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195	12.106	12.078	12.120	VV	4666	109051	6.32%	0.176%
196	12.154	12.120	12.167	VV	5368	142386	8	
197	12.180	12.167	12.213	VV	5273	132366	7	
198	12.228	12.213	12.261	VV	4743	129908	7	
199	12.272	12.261	12.277	VV	4342	40333	2	
200	12.286	12.277	12.334	VV	4346	139529	8	
201	12.345	12.334	12.360	VV	4102	63145	3.66%	0.102%
202	12.388	12.360	12.432	VV	4503	178588	10.35%	0.288%
203	12.466	12.432	12.493	VV	4290	143744	8.33%	0.231%
204	12.499	12.493	12.504	VV	3638	23101	1.34%	0.037%
205	12.526	12.504	12.543	VV	4233	91036	5.28%	0.147%
206	12.550	12.543	12.569	VV	3919	56385	3.27%	0.091%
207	12.590	12.569	12.624	VV	3807	116682	6.76%	0.188%
208	12.654	12.624	12.658	VV	4349	81226	4.71%	0.131%
209	12.669	12.658	12.706	VV	4561	112070	6.50%	0.180%
210	12.753	12.706	12.779	VV	4795	175330	10.16%	0.282%
211	12.788	12.779	12.799	VV	4151	47665	2.76%	0.077%
212	12.818	12.799	12.848	VV	4568	114727	6.65%	0.185%
213	12.872	12.848	12.955	VV	3977	208848	12.10%	0.336%
214	12.960	12.955	12.962	VV	2568	10067	0.58%	0.016%
215	12.970	12.962	12.977	VV	2605	22781	1.32%	0.037%
216	12.990	12.977	13.008	VV	3020	50891	2.95%	0.082%
217	13.014	13.008	13.019	VV	2573	16519	0.96%	0.027%
218	13.023	13.019	13.037	VV	2497	24908	1.44%	0.040%
219	13.046	13.037	13.050	VV	2474	18495	1.07%	0.030%
220	13.056	13.050	13.062	VV	2527	18471	1.07%	0.030%
221	13.100	13.062	13.135	VV	2907	112028	6.49%	0.180%
222	13.139	13.135	13.145	VV	2260	13602	0.79%	0.022%
223	13.169	13.145	13.221	VV	3443	130107	7.54%	0.210%
224	13.261	13.221	13.309	VV	10277	244034	14.14%	0.393%
225	13.318	13.309	13.373	VV	2964	100159	5.81%	0.161%
226	13.382	13.373	13.409	VV	2261	43972	2.55%	0.071%
227	13.444	13.409	13.469	VV	2660	85232	4.94%	0.137%
228	13.498	13.469	13.548	VV	2735	105824	6.13%	0.170%
229	13.564	13.548	13.574	VV	2056	30710	1.78%	0.049%
230	13.579	13.574	13.582	VV	1994	9546	0.55%	0.015%
231	13.589	13.582	13.594	VV	1982	13335	0.77%	0.021%
232	13.599	13.594	13.619	VV	1925	26244	1.52%	0.042%
233	13.639	13.619	13.657	VV	1774	38046	2.21%	0.061%
234	13.686	13.657	13.703	VV	1801	45519	2.64%	0.073%
235	13.716	13.703	13.734	VV	1795	31346	1.82%	0.050%
236	13.739	13.734	13.749	VV	1577	13294	0.77%	0.021%
237	13.754	13.749	13.761	VV	1568	10770	0.62%	0.017%
238	13.766	13.761	13.774	VV	1541	11559	0.67%	0.019%
239	13.779	13.774	13.794	VV	1454	16549	0.96%	0.027%
240	13.799	13.794	13.814	VV	1505	16883	0.98%	0.027%
241	13.834	13.814	13.846	VV	1435	25560	1.48%	0.041%
242	13.876	13.846	13.894	VV	1465	37683	2.18%	0.061%
243	13.908	13.894	13.917	VV	1441	19463	1.13%	0.031%
244	13.924	13.917	13.929	VV	1576	10547	0.61%	0.017%
245	13.933	13.929	13.949	VV	1523	17468	1.01%	0.028%
246	13.960	13.949	13.999	VV	1432	36736	2.13%	0.059%

Instrument :
FID_G
ClientSampleId :
WC-22ADL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

247	14.025	13.999	14.063	VV	1714	52964	3.07%	0.085%
248	14.073	14.063	14.097	VV	1283	22246		
249	14.111	14.097	14.118	VV	1108	12594		
250	14.124	14.118	14.135	VV	1003	9762		
251	14.141	14.135	14.146	VV	1051	6609		
252	14.154	14.146	14.194	VV	1120	24785		
253	14.214	14.194	14.235	VV	977	20589	1.19%	0.033%
254	14.240	14.235	14.245	VV	884	4800	0.28%	0.008%
255	14.259	14.245	14.269	VV	816	10963	0.64%	0.018%
256	14.275	14.269	14.283	VV	817	6245	0.36%	0.010%
257	14.287	14.283	14.296	VV	730	5233	0.30%	0.008%
258	14.314	14.296	14.334	VV	820	15269	0.89%	0.025%
259	14.342	14.334	14.349	VV	679	5360	0.31%	0.009%
260	14.371	14.349	14.389	VV	870	18117	1.05%	0.029%
261	14.393	14.389	14.401	VV	807	5323	0.31%	0.009%
262	14.413	14.401	14.437	VV	813	14515	0.84%	0.023%
263	14.444	14.437	14.450	VV	742	5133	0.30%	0.008%
264	14.459	14.450	14.464	VV	792	6182	0.36%	0.010%
265	14.471	14.464	14.483	VV	827	8552	0.50%	0.014%
266	14.513	14.483	14.543	VV	875	25322	1.47%	0.041%
267	14.547	14.543	14.559	VV	475	4308	0.25%	0.007%
268	14.586	14.559	14.594	VV	850	14083	0.82%	0.023%
269	14.599	14.594	14.643	VV	878	20626	1.20%	0.033%
270	14.647	14.643	14.654	VV	601	3568	0.21%	0.006%
271	14.659	14.654	14.670	VV	528	4860	0.28%	0.008%
272	14.692	14.670	14.697	VV	712	9637	0.56%	0.016%
273	14.704	14.697	14.734	VV	765	15179	0.88%	0.024%
274	14.740	14.734	14.771	VV	764	13603	0.79%	0.022%
275	14.789	14.771	14.804	VV	627	9151	0.53%	0.015%
276	14.813	14.804	14.817	VV	446	2912	0.17%	0.005%
277	14.822	14.817	14.835	VV	475	4624	0.27%	0.007%
278	14.839	14.835	14.842	VV	449	1657	0.10%	0.003%
279	14.863	14.842	14.869	VV	746	9003	0.52%	0.014%
280	14.872	14.869	14.882	VV	707	4726	0.27%	0.008%
281	14.898	14.882	14.914	VV	544	8762	0.51%	0.014%
282	14.943	14.914	14.950	VV	430	7183	0.42%	0.012%
283	14.967	14.950	14.978	VV	443	5621	0.33%	0.009%
284	14.989	14.978	14.994	VV	474	3508	0.20%	0.006%
285	14.998	14.994	15.017	VV	451	4903	0.28%	0.008%
286	15.022	15.017	15.030	VV	378	2315	0.13%	0.004%
287	15.046	15.030	15.052	VV	356	3499	0.20%	0.006%
288	15.058	15.052	15.060	VV	430	1882	0.11%	0.003%
289	15.094	15.060	15.111	VV	916	19710	1.14%	0.032%
290	15.126	15.111	15.160	VV	824	16918	0.98%	0.027%
291	15.168	15.160	15.172	VV	394	2606	0.15%	0.004%
292	15.184	15.172	15.191	VV	401	4349	0.25%	0.007%
293	15.205	15.191	15.215	VV	657	7039	0.41%	0.011%
294	15.220	15.215	15.227	VV	522	3030	0.18%	0.005%
295	15.234	15.227	15.238	VV	485	3005	0.17%	0.005%
296	15.244	15.238	15.252	VV	522	3818	0.22%	0.006%
297	15.258	15.252	15.264	VV	464	2932	0.17%	0.005%
298	15.268	15.264	15.285	VV	457	4671	0.27%	0.008%
299	15.300	15.285	15.318	VV	326	4916	0.28%	0.008%

Instrument :
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Manual IntegrationsAPPROVED

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					rteres			
300	15.333	15.318	15.339	VV	235	2176	0.13%	0.004%
301	15.358	15.339	15.384	VV	362	7132		
302	15.399	15.384	15.409	VV	253	2340		
303	15.425	15.418	15.444	VV	235	1833		
304	15.466	15.444	15.477	VV	257	3049		
305	15.496	15.477	15.500	VV	321	3018		
306	15.517	15.500	15.522	VV	607	6406	0.37%	0.010%
307	15.539	15.522	15.557	VV	699	12409	0.72%	0.020%
308	15.562	15.557	15.586	VV	503	6799	0.39%	0.011%
309	15.591	15.586	15.595	VV	259	1153	0.07%	0.002%
310	15.603	15.595	15.621	VV	300	3977	0.23%	0.006%
311	15.627	15.621	15.632	VV	283	1667	0.10%	0.003%
312	15.654	15.632	15.676	VV	654	11157	0.65%	0.018%
313	15.686	15.676	15.706	VV	266	3824	0.22%	0.006%
314	15.715	15.706	15.732	VV	274	3147	0.18%	0.005%
315	15.750	15.732	15.756	VV	321	4076	0.24%	0.007%
316	15.763	15.756	15.769	VV	334	2172	0.13%	0.003%
317	15.782	15.769	15.799	VV	287	3445	0.20%	0.006%
318	15.803	15.799	15.814	PV	189	1161	0.07%	0.002%
319	15.846	15.814	15.860	VV	352	5763	0.33%	0.009%
320	15.869	15.860	15.877	VV	262	2327	0.13%	0.004%
321	15.891	15.877	15.917	VV	349	6292	0.36%	0.010%
322	15.930	15.917	15.936	VV	278	2172	0.13%	0.003%
323	15.954	15.936	15.974	VV	409	5923	0.34%	0.010%
324	15.980	15.974	15.986	VV	268	1484	0.09%	0.002%
325	15.992	15.986	16.003	VV	216	1675	0.10%	0.003%
326	16.014	16.003	16.019	VV	217	1537	0.09%	0.002%
327	16.024	16.019	16.029	VV	239	1156	0.07%	0.002%
328	16.047	16.029	16.052	VV	200	2416	0.14%	0.004%
329	16.058	16.052	16.074	VV	271	1914	0.11%	0.003%
330	16.087	16.074	16.095	VV	287	2617	0.15%	0.004%
331	16.101	16.095	16.105	VV	289	1459	0.08%	0.002%
332	16.113	16.105	16.121	VV	311	2530	0.15%	0.004%
333	16.152	16.121	16.171	VV	531	11249	0.65%	0.018%
334	16.178	16.171	16.185	VV	325	2412	0.14%	0.004%
335	16.189	16.185	16.194	VV	276	1423	0.08%	0.002%
336	16.202	16.194	16.209	VV	319	2393	0.14%	0.004%
337	16.222	16.209	16.242	VV	319	4490	0.26%	0.007%
338	16.328	16.297	16.365	PV	610	12174	0.71%	0.020%
339	16.378	16.365	16.389	VV	267	2454	0.14%	0.004%
340	16.419	16.402	16.427	VV	412	3895	0.23%	0.006%
341	16.431	16.427	16.451	VV	401	3690	0.21%	0.006%
342	16.461	16.451	16.478	VV	306	2867	0.17%	0.005%
343	16.494	16.478	16.506	VV	257	2726	0.16%	0.004%
344	16.527	16.506	16.539	VV	456	5733	0.33%	0.009%
345	16.540	16.539	16.559	VV	353	2646	0.15%	0.004%
346	16.567	16.559	16.573	VV	174	1198	0.07%	0.002%
347	16.590	16.573	16.600	VV	305	3896	0.23%	0.006%
348	16.625	16.600	16.658	VV	761	18554	1.08%	0.030%
349	16.664	16.658	16.673	VV	337	2605	0.15%	0.004%
350	16.675	16.673	16.680	VV	274	1018	0.06%	0.002%
351	16.708	16.680	16.737	VV	1092	19211	1.11%	0.031%

Instrument :
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WC-22ADL

Manual IntegrationsAPPROVED

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rteres

352	16.746	16.737	16.763	VV	548	6288	0.36%	0.010%
353	16.769	16.763	16.772	VV	370	1726		
354	16.777	16.772	16.785	VV	459	2589		
355	16.793	16.785	16.812	VV	366	3906		
356	16.818	16.812	16.854	VV	308	5901		
357	16.871	16.866	16.880	VV	184	1074		
358	16.901	16.880	16.919	VV	524	8081	0.47%	0.013%
359	16.944	16.919	16.963	VV	577	10983	0.64%	0.018%
360	16.965	16.963	16.974	VV	367	1726	0.10%	0.003%
361	16.979	16.974	16.986	VV	224	1246	0.07%	0.002%
362	17.012	16.986	17.037	VV	453	9341	0.54%	0.015%
363	17.042	17.037	17.049	VV	338	2212	0.13%	0.004%
364	17.099	17.049	17.128	VV	924	24605	1.43%	0.040%
365	17.144	17.128	17.169	VV	705	11560	0.67%	0.019%
366	17.180	17.169	17.189	VV	253	2189	0.13%	0.004%
367	17.199	17.189	17.236	VV	322	3365	0.20%	0.005%
368	17.244	17.236	17.256	VV	162	1377	0.08%	0.002%
369	17.266	17.256	17.270	VV	234	1253	0.07%	0.002%
370	17.291	17.270	17.306	VV	400	5198	0.30%	0.008%
371	17.321	17.306	17.346	VV	488	8053	0.47%	0.013%
372	17.354	17.346	17.359	VV	315	1938	0.11%	0.003%
373	17.362	17.359	17.375	VV	298	2360	0.14%	0.004%
374	17.403	17.375	17.424	VV	653	13246	0.77%	0.021%
375	17.439	17.424	17.464	VV	520	10025	0.58%	0.016%
376	17.503	17.464	17.515	VV	505	12795	0.74%	0.021%
377	17.522	17.515	17.528	VV	469	3018	0.17%	0.005%
378	17.548	17.528	17.589	VV	715	16382	0.95%	0.026%
379	17.594	17.589	17.614	VV	338	3237	0.19%	0.005%
380	17.622	17.614	17.626	VV	282	1416	0.08%	0.002%
381	17.634	17.626	17.639	VV	426	2371	0.14%	0.004%
382	17.657	17.639	17.678	VV	498	6707	0.39%	0.011%
383	17.699	17.678	17.705	VV	419	5069	0.29%	0.008%
384	17.711	17.705	17.731	VV	536	5635	0.33%	0.009%
385	17.737	17.731	17.742	VV	321	1894	0.11%	0.003%
386	17.751	17.742	17.768	VV	382	4024	0.23%	0.006%
387	17.797	17.768	17.801	VV	297	4078	0.24%	0.007%
388	17.807	17.801	17.836	VV	435	4464	0.26%	0.007%
389	17.863	17.836	17.875	PV	322	3965	0.23%	0.006%
390	17.884	17.875	17.890	VV	242	1949	0.11%	0.003%
391	17.898	17.890	17.902	VV	418	1948	0.11%	0.003%
392	17.908	17.902	17.921	VV	382	2933	0.17%	0.005%
393	17.938	17.921	17.944	VV	392	3739	0.22%	0.006%
394	17.986	17.950	18.031	VV	1124	25947	1.50%	0.042%
395	18.041	18.031	18.045	VV	266	1538	0.09%	0.002%
396	18.058	18.045	18.066	VV	403	3661	0.21%	0.006%
397	18.076	18.066	18.085	VV	382	3319	0.19%	0.005%
398	18.112	18.085	18.130	VV	721	13066	0.76%	0.021%
399	18.149	18.130	18.182	VV	863	15155	0.88%	0.024%
400	18.187	18.182	18.208	VV	221	2128	0.12%	0.003%
401	18.229	18.208	18.240	PV	364	3444	0.20%	0.006%
402	18.268	18.240	18.280	VV	380	6512	0.38%	0.010%
403	18.288	18.280	18.304	VV	354	3962	0.23%	0.006%
404	18.323	18.304	18.338	VV	539	7622	0.44%	0.012%

Instrument :
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Manual IntegrationsAPPROVED

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					rteres			
405	18.351	18.338	18.360	VV	453	4911	0.28%	0.008%
406	18.377	18.360	18.386	VV	609	7812		
407	18.409	18.386	18.450	VV	1376	30046		
408	18.475	18.450	18.496	VV	693	13409		
409	18.502	18.496	18.521	VV	354	4097		
410	18.529	18.521	18.534	VV	292	1378		
411	18.546	18.534	18.551	VV	331	2247	0.13%	0.004%
412	18.561	18.551	18.589	VV	385	5956	0.35%	0.010%
413	18.635	18.589	18.647	VV	668	13184	0.76%	0.021%
414	18.691	18.647	18.712	VV	547	13801	0.80%	0.022%
415	18.723	18.712	18.733	PV	209	1677	0.10%	0.003%

Sum of corrected areas: 62101021

Aromatic EPH 090424.M Sat Sep 21 05:30:55 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-22ADL2		SDG No.:	P4103	
Lab Sample ID:	P4103-01DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.7	
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
FE050236.D	50	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	112		20.5	53.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	397		12.9	35.9	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	56.8		16.2	53.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	43.1	U	43.1	71.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	97.0	U	97.0	107	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.56		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:	P4103-01DL2	Acq On:	20 Sep 2024 09:44
Client Sample ID:	WC-22ADL2	Operator:	YP\AJ
Data file:	FE050236.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.158	6.776	4305614	31.364	300	ug/ml
Aliphatic C12-C16	6.777	10.209	15206363	110.562	200	ug/ml
Aliphatic C16-C21	10.210	13.569	2137312	15.807	300	ug/ml
Aliphatic C21-C28	13.570	17.223	341722	2.641	400	ug/ml
Aliphatic C28-C40	17.224	22.077	707966	5.895	600	ug/ml
Aliphatic EPH	3.158	22.077	22698977	166.268		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.305	13.305	62501	0.56		ug/ml
Aliphatic C9-C28	3.158	17.223	21991011	160.374	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050236.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 09:44
Operator : YP\AJ
Sample : P4103-01DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-22ADL2

Integration File: autoint1.e
Quant Time: Sep 21 03:44:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.305	62501	0.556 ug/ml
Spiked Amount 50.000		Recovery =	1.11%
Target Compounds			

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

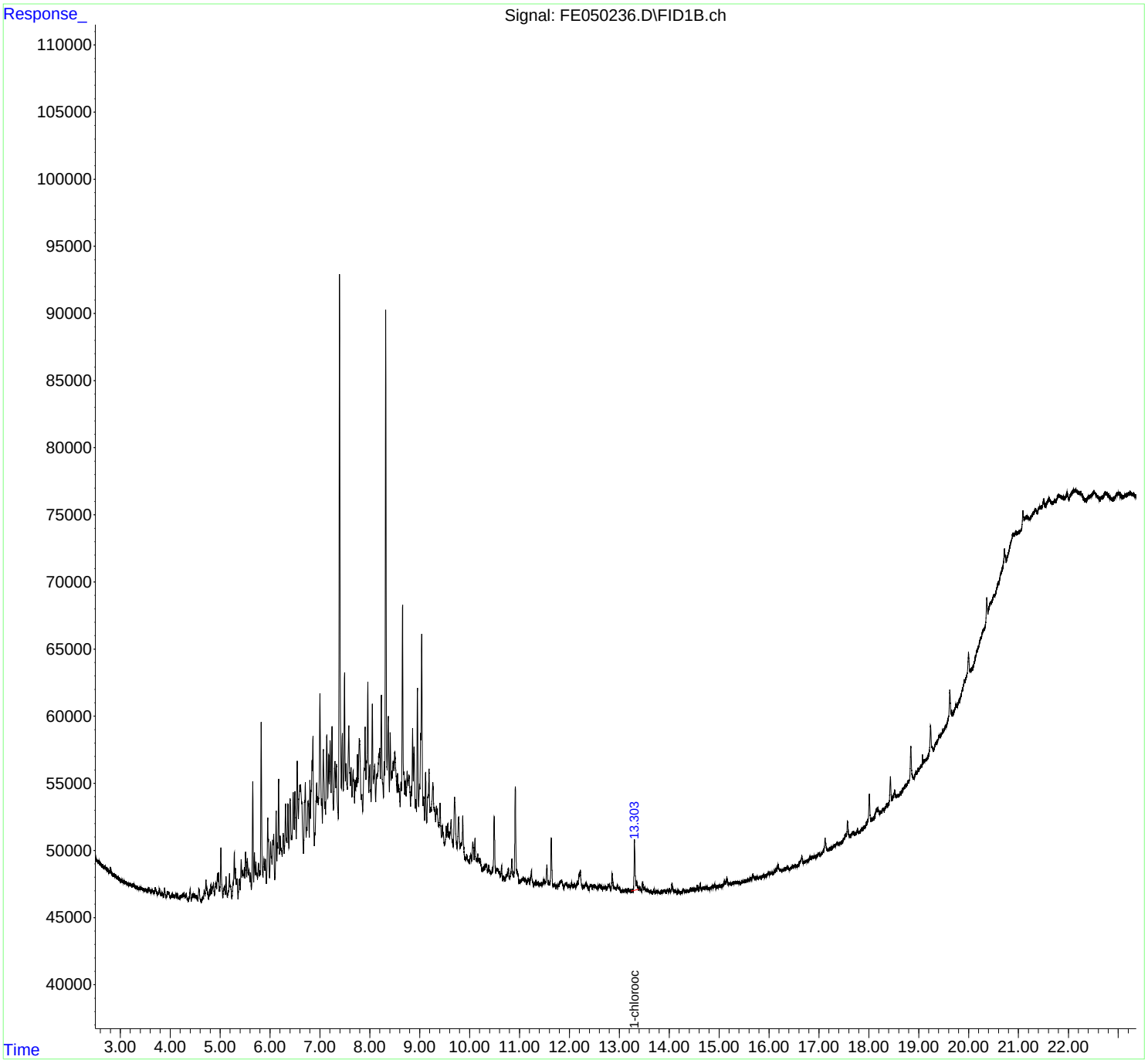
Quantitation Report (QT Reviewed)

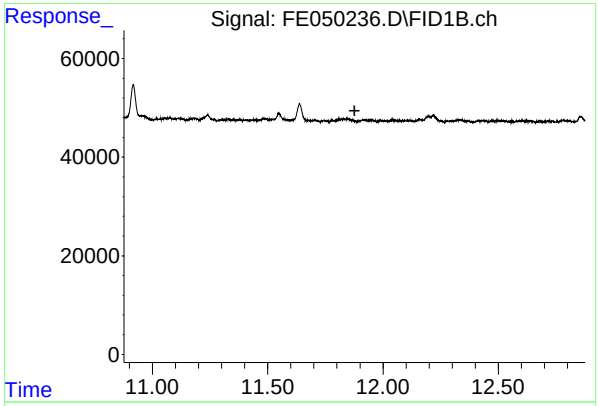
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050236.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 09:44
Operator : YP\AJ
Sample : P4103-01DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-22ADL2

Integration File: autoint1.e
Quant Time: Sep 21 03:44:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

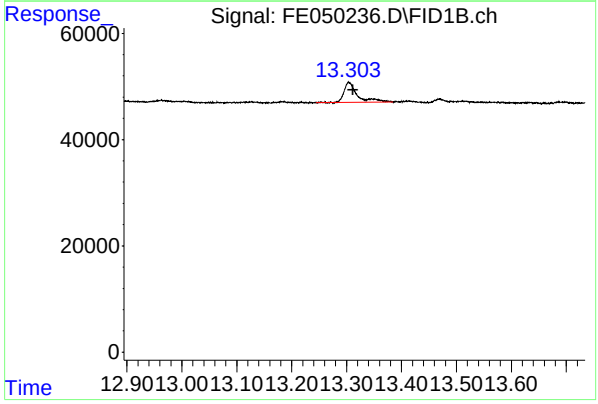




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-22ADL2



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: -0.007 min
Response: 62501
Conc: 0.56 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050236.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 09:44
Sample : P4103-01DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.186	3.138	3.256	BV	76	1282	0.17%	0.006%
2	3.275	3.256	3.338	VV	149	1849	0.25%	0.008%
3	3.341	3.338	3.379	VV	85	207	0.03%	0.001%
4	3.395	3.379	3.453	PV	88	2717	0.37%	0.012%
5	3.469	3.453	3.488	VV	131	1366	0.18%	0.006%
6	3.503	3.488	3.533	VV	123	2427	0.33%	0.011%
7	3.541	3.533	3.553	VV	152	1043	0.14%	0.005%
8	3.573	3.553	3.586	PV	269	3237	0.44%	0.014%
9	3.591	3.586	3.634	VV	180	3377	0.46%	0.015%
10	3.641	3.634	3.687	VV	181	4596	0.62%	0.020%
11	3.702	3.687	3.749	VV	428	8411	1.14%	0.037%
12	3.785	3.749	3.820	VV	449	8678	1.17%	0.038%
13	3.838	3.820	3.868	VV	209	4238	0.57%	0.019%
14	3.888	3.868	3.923	PV	620	7397	1.00%	0.033%
15	3.951	3.923	3.964	VV	371	6332	0.86%	0.028%
16	3.971	3.964	4.003	VV	369	4881	0.66%	0.021%
17	4.044	4.003	4.061	VV	323	5718	0.77%	0.025%
18	4.071	4.061	4.101	VV	274	4165	0.56%	0.018%
19	4.116	4.101	4.132	VV	362	4953	0.67%	0.022%
20	4.147	4.132	4.177	VV	396	5226	0.71%	0.023%
21	4.198	4.177	4.207	VV	292	3129	0.42%	0.014%
22	4.251	4.207	4.262	VV	485	9946	1.34%	0.044%
23	4.278	4.262	4.307	VV	560	10440	1.41%	0.046%
24	4.320	4.307	4.358	VV	516	8120	1.10%	0.036%
25	4.400	4.358	4.422	PV	896	14167	1.91%	0.062%
26	4.453	4.422	4.473	VV	538	12451	1.68%	0.055%
27	4.488	4.473	4.527	VV	549	13174	1.78%	0.058%
28	4.540	4.527	4.554	VV	432	4912	0.66%	0.022%
29	4.575	4.554	4.619	VV	985	17512	2.37%	0.077%
30	4.682	4.619	4.696	PV	902	17834	2.41%	0.078%
31	4.718	4.696	4.771	VV	1612	39023	5.27%	0.171%
32	4.789	4.771	4.800	VV	898	10993	1.49%	0.048%
33	4.814	4.800	4.829	VV	1284	16110	2.18%	0.071%
34	4.866	4.829	4.886	VV	1422	34167	4.62%	0.150%
35	4.920	4.886	4.934	VV	1370	31588	4.27%	0.139%
36	4.947	4.934	4.958	VV	2049	23731	3.21%	0.104%

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37	4.968	4.958	4.988	VV	2085	26655	3.60%	0.117%
38	5.016	4.988	5.058	VV	3958	67821	9.17%	0.298%
39	5.087	5.058	5.103	VV	1137	23410	3.16%	0.103%
40	5.120	5.103	5.143	VV	1821	25488	3.44%	0.112%
41	5.188	5.143	5.235	VV	2042	53905	7.29%	0.237%
42	5.285	5.235	5.321	VV	3644	88885	12.01%	0.391%
43	5.339	5.321	5.360	VV	1683	28121	3.80%	0.124%
44	5.390	5.360	5.403	VV	1681	29288	3.96%	0.129%
45	5.423	5.403	5.438	VV	3064	44824	6.06%	0.197%
46	5.448	5.438	5.474	VV	2263	45174	6.11%	0.198%
47	5.485	5.474	5.495	VV	2510	27015	3.65%	0.119%
48	5.510	5.495	5.532	VV	3613	61337	8.29%	0.269%
49	5.546	5.532	5.568	VV	3099	53772	7.27%	0.236%
50	5.581	5.568	5.597	VV	2299	35407	4.79%	0.156%
51	5.610	5.597	5.627	VV	2100	28150	3.80%	0.124%
52	5.655	5.627	5.674	VV	8909	112941	15.26%	0.496%
53	5.689	5.674	5.708	VV	3571	50823	6.87%	0.223%
54	5.719	5.708	5.750	VV	2864	55789	7.54%	0.245%
55	5.769	5.750	5.785	VV	2835	47642	6.44%	0.209%
56	5.796	5.785	5.804	VV	2225	24273	3.28%	0.107%
57	5.824	5.804	5.857	VV	13186	185329	25.05%	0.814%
58	5.877	5.857	5.896	VV	3026	59930	8.10%	0.263%
59	5.908	5.896	5.928	VV	3116	45130	6.10%	0.198%
60	5.955	5.928	5.992	VV	6126	135168	18.27%	0.594%
61	6.013	5.992	6.040	VV	4398	92908	12.56%	0.408%
62	6.056	6.040	6.064	VV	4492	55336	7.48%	0.243%
63	6.074	6.064	6.098	VV	4957	70465	9.52%	0.310%
64	6.123	6.098	6.139	VV	6612	95616	12.92%	0.420%
65	6.173	6.139	6.193	VV	9023	171146	23.13%	0.752%
66	6.206	6.193	6.244	VV	4771	120996	16.35%	0.532%
67	6.265	6.244	6.286	VV	5007	103955	14.05%	0.457%
68	6.312	6.286	6.341	VV	7067	168870	22.82%	0.742%
69	6.359	6.341	6.377	VV	7193	120370	16.27%	0.529%
70	6.404	6.377	6.438	VV	7563	207016	27.98%	0.910%
71	6.465	6.438	6.484	VV	8021	175598	23.73%	0.771%
72	6.499	6.484	6.526	VV	8020	164363	22.21%	0.722%
73	6.546	6.526	6.570	VV	10322	197944	26.75%	0.870%
74	6.614	6.570	6.672	VV	8564	426108	57.59%	1.872%
75	6.708	6.672	6.726	VV	8713	209005	28.25%	0.918%
76	6.762	6.726	6.786	VV	7289	220244	29.77%	0.968%
77	6.801	6.786	6.812	VV	8877	108690	14.69%	0.478%
78	6.860	6.812	6.889	VV	12130	384991	52.03%	1.691%
79	6.935	6.889	6.949	VV	8665	233232	31.52%	1.025%
80	6.957	6.949	6.970	VV	7613	92618	12.52%	0.407%
81	7.001	6.970	7.050	VV	15331	450190	60.84%	1.978%
82	7.069	7.050	7.114	VV	11128	318162	43.00%	1.398%
83	7.139	7.114	7.159	VV	12288	260522	35.21%	1.145%
84	7.175	7.159	7.188	VV	10753	159143	21.51%	0.699%
85	7.207	7.188	7.224	VV	11855	217824	29.44%	0.957%
86	7.244	7.224	7.272	VV	12881	275567	37.24%	1.211%
87	7.301	7.272	7.316	VV	10258	232428	31.41%	1.021%
88	7.331	7.316	7.368	VV	10043	253969	34.32%	1.116%
89	7.395	7.368	7.430	VV	46528	739916	100.00%	3.251%

90	7.449	7.430	7.470	VV	12243	239522	32.37%	1.052%
91	7.494	7.470	7.513	VV	16791	303780	41.06%	1.335%
92	7.524	7.513	7.549	VV	10070	196242	26.52%	0.862%
93	7.580	7.549	7.611	VV	12879	380277	51.39%	1.671%
94	7.625	7.611	7.644	VV	9739	175948	23.78%	0.773%
95	7.666	7.644	7.695	VV	9505	261300	35.31%	1.148%
96	7.708	7.695	7.717	VV	8853	109277	14.77%	0.480%
97	7.729	7.717	7.738	VV	9027	110130	14.88%	0.484%
98	7.753	7.738	7.767	VV	10775	163932	22.16%	0.720%
99	7.792	7.767	7.858	VV	11863	502546	67.92%	2.208%
100	7.906	7.858	7.924	VV	12751	381919	51.62%	1.678%
101	7.961	7.924	7.981	VV	16118	380042	51.36%	1.670%
102	8.001	7.981	8.027	VV	9917	244615	33.06%	1.075%
103	8.052	8.027	8.072	VV	14499	284862	38.50%	1.252%
104	8.099	8.072	8.118	VV	9981	248871	33.63%	1.093%
105	8.370	8.347	8.393	VV	13571	307148	41.51%	1.349%
106	8.411	8.393	8.430	VV	12311	225202	30.44%	0.989%
107	8.441	8.430	8.450	VV	9512	108715	14.69%	0.478%
108	8.466	8.450	8.485	VV	10112	204128	27.59%	0.897%
109	8.501	8.485	8.548	VV	10931	362000	48.92%	1.590%
110	8.558	8.548	8.571	VV	8660	114106	15.42%	0.501%
111	8.580	8.571	8.607	VV	8368	171813	23.22%	0.755%
112	8.625	8.607	8.634	VV	8563	127352	17.21%	0.560%
113	8.657	8.634	8.700	VV	21762	472344	63.84%	2.075%
114	8.713	8.700	8.728	VV	8661	136836	18.49%	0.601%
115	8.750	8.728	8.766	VV	9246	197866	26.74%	0.869%
116	8.784	8.766	8.818	VV	9068	257276	34.77%	1.130%
117	8.833	8.818	8.841	VV	8301	109603	14.81%	0.482%
118	8.859	8.841	8.873	VV	12508	195128	26.37%	0.857%
119	8.889	8.873	8.913	VV	11204	219113	29.61%	0.963%
120	8.922	8.913	8.935	VV	7294	93036	12.57%	0.409%
121	8.956	8.935	8.980	VV	15629	276536	37.37%	1.215%
122	9.041	8.980	9.068	VV	19650	578252	78.15%	2.541%
123	9.080	9.068	9.098	VV	7499	126353	17.08%	0.555%
124	9.118	9.098	9.141	VV	9322	184270	24.90%	0.810%
125	9.188	9.141	9.208	VV	9586	301587	40.76%	1.325%
126	9.220	9.208	9.231	VV	6735	92242	12.47%	0.405%
127	9.264	9.231	9.319	VV	8513	372026	50.28%	1.634%
128	9.336	9.319	9.381	VV	6765	228419	30.87%	1.004%
129	9.410	9.381	9.438	VV	7016	193916	26.21%	0.852%
130	9.455	9.438	9.501	VV	5340	175593	23.73%	0.771%
131	9.532	9.501	9.545	VV	5272	120815	16.33%	0.531%
132	9.563	9.545	9.600	VV	5469	159838	21.60%	0.702%
133	9.629	9.600	9.668	VV	5607	192358	26.00%	0.845%
134	9.701	9.668	9.748	VV	7344	251757	34.03%	1.106%
135	9.780	9.748	9.808	VV	5951	167345	22.62%	0.735%
136	9.822	9.808	9.830	VV	3961	52746	7.13%	0.232%
137	9.863	9.830	9.908	VV	6016	191860	25.93%	0.843%
138	9.944	9.908	9.999	VV	3155	155034	20.95%	0.681%
139	10.021	9.999	10.040	VV	3185	72844	9.84%	0.320%
140	10.066	10.040	10.092	VV	4013	106667	14.42%	0.469%
141	10.108	10.092	10.150	VV	4284	111299	15.04%	0.489%

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142	10.165	10.150	10.178	VV	3150	48669	6.58%	0.214%
143	10.186	10.178	10.199	VV	2801	33756	4.56%	0.148%
144	10.212	10.199	10.252	VV	2856	76983	10.40%	0.338%
145	10.272	10.252	10.282	VV	2138	37387	5.05%	0.164%
146	10.337	10.282	10.361	VV	2384	104318	14.10%	0.458%
147	10.385	10.361	10.434	VV	2276	85402	11.54%	0.375%
148	10.455	10.434	10.466	VV	2108	36752	4.97%	0.161%
149	10.493	10.466	10.527	VV	5897	122796	16.60%	0.540%
150	10.554	10.527	10.564	VV	2094	44184	5.97%	0.194%
151	10.574	10.564	10.621	VV	2001	59184	8.00%	0.260%
152	10.642	10.621	10.667	VV	2238	47272	6.39%	0.208%
153	10.682	10.667	10.711	VV	1471	34712	4.69%	0.153%
154	10.775	10.711	10.807	VV	2068	90046	12.17%	0.396%
155	10.847	10.807	10.886	VV	2696	88061	11.90%	0.387%
156	10.917	10.886	11.008	VV	8143	194699	26.31%	0.855%
157	11.075	11.008	11.104	VV	1331	68003	9.19%	0.299%
158	11.114	11.104	11.152	VV	1267	31368	4.24%	0.138%
159	11.178	11.152	11.204	VV	1288	35599	4.81%	0.156%
160	11.239	11.204	11.285	VV	1884	59703	8.07%	0.262%
161	11.330	11.285	11.361	VV	1093	42013	5.68%	0.185%
162	11.376	11.361	11.391	VV	935	16100	2.18%	0.071%
163	11.401	11.391	11.424	VV	888	17213	2.33%	0.076%
164	11.443	11.424	11.457	VV	919	16572	2.24%	0.073%
165	11.486	11.457	11.511	VV	1142	32903	4.45%	0.145%
166	11.516	11.511	11.523	VV	1032	7070	0.96%	0.031%
167	11.549	11.523	11.600	VV	2220	57340	7.75%	0.252%
168	11.638	11.600	11.690	VV	4191	89809	12.14%	0.395%
169	11.705	11.690	11.728	VV	841	16113	2.18%	0.071%
170	11.743	11.728	11.766	VV	783	15432	2.09%	0.068%
171	11.846	11.766	11.887	VV	1092	60640	8.20%	0.266%
172	11.923	11.887	11.935	VV	879	21673	2.93%	0.095%
173	11.946	11.935	11.972	VV	858	16399	2.22%	0.072%
174	11.988	11.972	12.017	VV	756	17795	2.41%	0.078%
175	12.044	12.017	12.078	VV	852	26400	3.57%	0.116%
176	12.101	12.078	12.133	VV	758	22344	3.02%	0.098%
177	12.158	12.133	12.173	VV	986	19327	2.61%	0.085%
178	12.218	12.173	12.263	VV	1751	63299	8.55%	0.278%
179	12.289	12.263	12.297	VV	595	11488	1.55%	0.050%
180	12.325	12.297	12.398	VV	871	38062	5.14%	0.167%
181	12.415	12.398	12.457	VV	748	22033	2.98%	0.097%
182	12.492	12.457	12.552	VV	675	33450	4.52%	0.147%
183	12.562	12.552	12.585	VV	550	10373	1.40%	0.046%
184	12.606	12.585	12.662	VV	697	26979	3.65%	0.119%
185	12.680	12.662	12.699	VV	484	10322	1.40%	0.045%
186	12.719	12.699	12.750	VV	551	15059	2.04%	0.066%
187	12.775	12.750	12.794	VV	644	15384	2.08%	0.068%
188	12.798	12.794	12.831	VV	734	12033	1.63%	0.053%
189	12.857	12.831	12.938	VV	1491	42929	5.80%	0.189%
190	12.963	12.938	13.041	VV	663	26043	3.52%	0.114%
191	13.048	13.041	13.078	VV	224	4655	0.63%	0.020%
192	13.127	13.078	13.161	VV	362	11694	1.58%	0.051%
193	13.184	13.161	13.207	VV	366	7112	0.96%	0.031%
194	13.217	13.207	13.278	VV	287	9099	1.23%	0.040%

195	13.305	13.278	13.336	VV	3979	62038	8.38%	0.273%
196	13.346	13.336	13.396	VV	838	21393	2.89%	0.094%
197	13.414	13.396	13.445	VV	484	10286	1.39%	0.045%
198	13.469	13.445	13.496	VV	862	14857	2.01%	0.065%
199	13.514	13.496	13.555	VV	436	11702	1.58%	0.051%
200	13.568	13.555	13.624	VV	259	7448	1.01%	0.033%
201	13.633	13.624	13.666	VV	210	2590	0.35%	0.011%
202	13.689	13.666	13.724	VV	254	5258	0.71%	0.023%
203	13.741	13.724	13.761	VV	176	2815	0.38%	0.012%
204	13.771	13.761	13.831	VV	162	3206	0.43%	0.014%
205	13.846	13.831	13.856	VV	174	1384	0.19%	0.006%
206	13.898	13.856	13.944	VV	203	6952	0.94%	0.031%
207	13.961	13.944	13.988	VV	261	4907	0.66%	0.022%
208	14.004	13.988	14.024	VV	316	4368	0.59%	0.019%
209	14.054	14.024	14.101	VV	732	14173	1.92%	0.062%
210	14.107	14.101	14.154	VV	183	3262	0.44%	0.014%
211	14.195	14.154	14.248	VV	135	3370	0.46%	0.015%
212	14.291	14.248	14.314	PV	232	5042	0.68%	0.022%
213	14.323	14.314	14.333	VV	69	767	0.10%	0.003%
214	14.347	14.333	14.396	VV	125	2970	0.40%	0.013%
215	14.428	14.396	14.454	VV	209	4501	0.61%	0.020%
216	14.464	14.454	14.494	VV	195	3292	0.44%	0.014%
217	14.506	14.494	14.518	VV	94	1268	0.17%	0.006%
218	14.564	14.518	14.592	VV	380	8108	1.10%	0.036%
219	14.620	14.592	14.651	VV	489	7847	1.06%	0.034%
220	14.680	14.651	14.703	VV	187	4256	0.58%	0.019%
221	14.719	14.703	14.730	VV	204	2485	0.34%	0.011%
222	14.744	14.730	14.796	VV	215	4424	0.60%	0.019%
223	14.805	14.796	14.814	PV	78	422	0.06%	0.002%
224	14.827	14.814	14.837	VV	90	909	0.12%	0.004%
225	14.866	14.837	14.894	PV	229	4545	0.61%	0.020%
226	14.910	14.894	14.938	VV	282	4172	0.56%	0.018%
227	14.973	14.938	14.981	VV	107	1757	0.24%	0.008%
228	15.004	14.981	15.016	VV	121	1915	0.26%	0.008%
229	15.113	15.016	15.131	VV	361	11170	1.51%	0.049%
230	15.157	15.131	15.181	VV	597	10994	1.49%	0.048%
231	15.203	15.181	15.239	VV	151	4676	0.63%	0.021%
232	15.285	15.239	15.301	VV	156	4340	0.59%	0.019%
233	15.326	15.301	15.354	VV	162	4110	0.56%	0.018%
234	15.367	15.354	15.438	VV	182	4304	0.58%	0.019%
235	15.454	15.438	15.465	PV	145	1277	0.17%	0.006%
236	15.528	15.465	15.541	VV	102	2185	0.30%	0.010%
237	15.637	15.541	15.658	VV	181	6845	0.93%	0.030%
238	15.678	15.658	15.722	VV	401	8152	1.10%	0.036%
239	15.734	15.722	15.754	VV	176	1748	0.24%	0.008%
240	15.765	15.754	15.772	VV	140	719	0.10%	0.003%
241	15.810	15.772	15.827	VV	125	2025	0.27%	0.009%
242	15.837	15.827	15.845	VV	74	520	0.07%	0.002%
243	15.898	15.845	15.911	PV	140	2857	0.39%	0.013%
244	15.931	15.911	15.940	PV	113	1338	0.18%	0.006%
245	15.992	15.940	16.009	VV	261	5371	0.73%	0.024%
246	16.054	16.009	16.075	VV	186	4583	0.62%	0.020%

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247	16.108	16.075	16.118	PV	221	3357	0.45%	0.015%
248	16.139	16.118	16.148	VV	316	4533	0.61%	0.020%
249	16.179	16.148	16.284	VV	600	19331	2.61%	0.085%
250	16.311	16.284	16.329	VV	181	2741	0.37%	0.012%
251	16.372	16.329	16.419	VV	252	6158	0.83%	0.027%
252	16.498	16.419	16.508	PV	143	4326	0.58%	0.019%
253	16.519	16.508	16.541	VV	157	2068	0.28%	0.009%
254	16.551	16.541	16.562	VV	112	719	0.10%	0.003%
255	16.657	16.562	16.688	PV	675	17826	2.41%	0.078%
256	16.744	16.688	16.780	VV	195	6452	0.87%	0.028%
257	16.792	16.780	16.800	VV	160	1752	0.24%	0.008%
258	16.833	16.800	16.848	VV	308	6679	0.90%	0.029%
259	16.861	16.848	16.906	VV	328	8037	1.09%	0.035%
260	16.925	16.906	16.957	VV	231	6015	0.81%	0.026%
261	17.125	16.957	17.169	VV	1224	50767	6.86%	0.223%
262	17.219	17.169	17.234	VV	403	12782	1.73%	0.056%
263	17.245	17.234	17.254	VV	360	3575	0.48%	0.016%
264	17.365	17.254	17.396	VV	574	36587	4.94%	0.161%
265	17.435	17.396	17.444	VV	493	12832	1.73%	0.056%
266	17.573	17.444	17.623	VV	1908	90197	12.19%	0.396%
267	17.684	17.623	17.724	VV	914	46984	6.35%	0.206%
268	17.740	17.724	17.751	VV	734	11641	1.57%	0.051%
269	17.775	17.751	17.824	VV	884	32875	4.44%	0.144%
270	17.855	17.824	17.875	VV	878	24004	3.24%	0.105%
271	17.952	17.875	17.960	VV	1147	48984	6.62%	0.215%
272	18.009	17.960	18.068	VV	3190	106626	14.41%	0.468%
273	18.079	18.068	18.088	VV	1336	15462	2.09%	0.068%
274	18.180	18.088	18.216	VV	1904	123201	16.65%	0.541%
275	18.288	18.216	18.308	VV	1714	87403	11.81%	0.384%
276	18.354	18.308	18.371	VV	1899	67595	9.14%	0.297%

Sum of corrected areas: 22761016

Aliphatic EPH 091024.M Sat Sep 21 05:47:58 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	09/17/24
Project:	North Point			Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5A			SDG No.:	P4103
Lab Sample ID:	P4103-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.8
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
09/19/24 12:25	09/19/24 21:40	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	11.6		1	0.42	1.11	mg/kg	FE050218.D
Aliphatic C12-C16	Aliphatic C12-C16	52.3		5	1.34	3.71	mg/kg	FE050237.D
Aliphatic C16-C21	Aliphatic C16-C21	48.4		5	1.67	5.56	mg/kg	FE050237.D
Aliphatic C21-C28	Aliphatic C21-C28	5.03		1	0.89	1.48	mg/kg	FE050218.D
Aliphatic C28-C40	Aliphatic C28-C40	19.0		1	2.00	2.23	mg/kg	FE050218.D
Aromatic C10-C12	Aromatic C10-C12	3.45		1	0.33	0.74	mg/kg	FG014282.D
Aromatic C12-C16	Aromatic C12-C16	27.3		2	0.76	2.23	mg/kg	FG014300.D
Aromatic C16-C21	Aromatic C16-C21	59.8		2	2.14	3.71	mg/kg	FG014300.D
Aromatic C21-C36	Aromatic C21-C36	7.78		1	2.23	2.97	mg/kg	FG014282.D
Total AliphaticEPH	Total AliphaticEPH	136			6.32	14.1	mg/kg	
Total AromaticEPH	Total AromaticEPH	98.3			5.46	9.65	mg/kg	
Total EPH	Total EPH	235			11.8	23.7	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:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5A		SDG No.:	P4103	
Lab Sample ID:	P4103-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.8	
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
FE050218.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	11.6		0.42	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	51.3	E	0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	47.6	E	0.33	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	5.03		0.89	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.0		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-04	Acq On:	19 Sep 2024 21:40
Client Sample ID:	WC-14-5-7.5A	Operator:	YP\AJ
Data file:	FE050218.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.159	6.778	21466808	156.372	300	ug/ml
Aliphatic C12-C16	6.779	10.211	95020770	690.873	200	ug/ml
Aliphatic C16-C21	10.212	13.571	86776171	641.767	300	ug/ml
Aliphatic C21-C28	13.572	17.227	8781021	67.865	400	ug/ml
Aliphatic C28-C40	17.228	22.082	30790157	256.377	600	ug/ml
Aliphatic EPH	3.159	22.082	242834927	1810		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	3678752	32.75		ug/ml
Aliphatic C9-C28	3.159	17.227	212044770	1560	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050218.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 21:40
Operator : YP\AJ
Sample : P4103-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5A

Integration File: autoint1.e
Quant Time: Sep 20 01:37:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.306	3678752	32.750 ug/ml
Spiked Amount 50.000		Recovery = 65.50%	
Target Compounds			

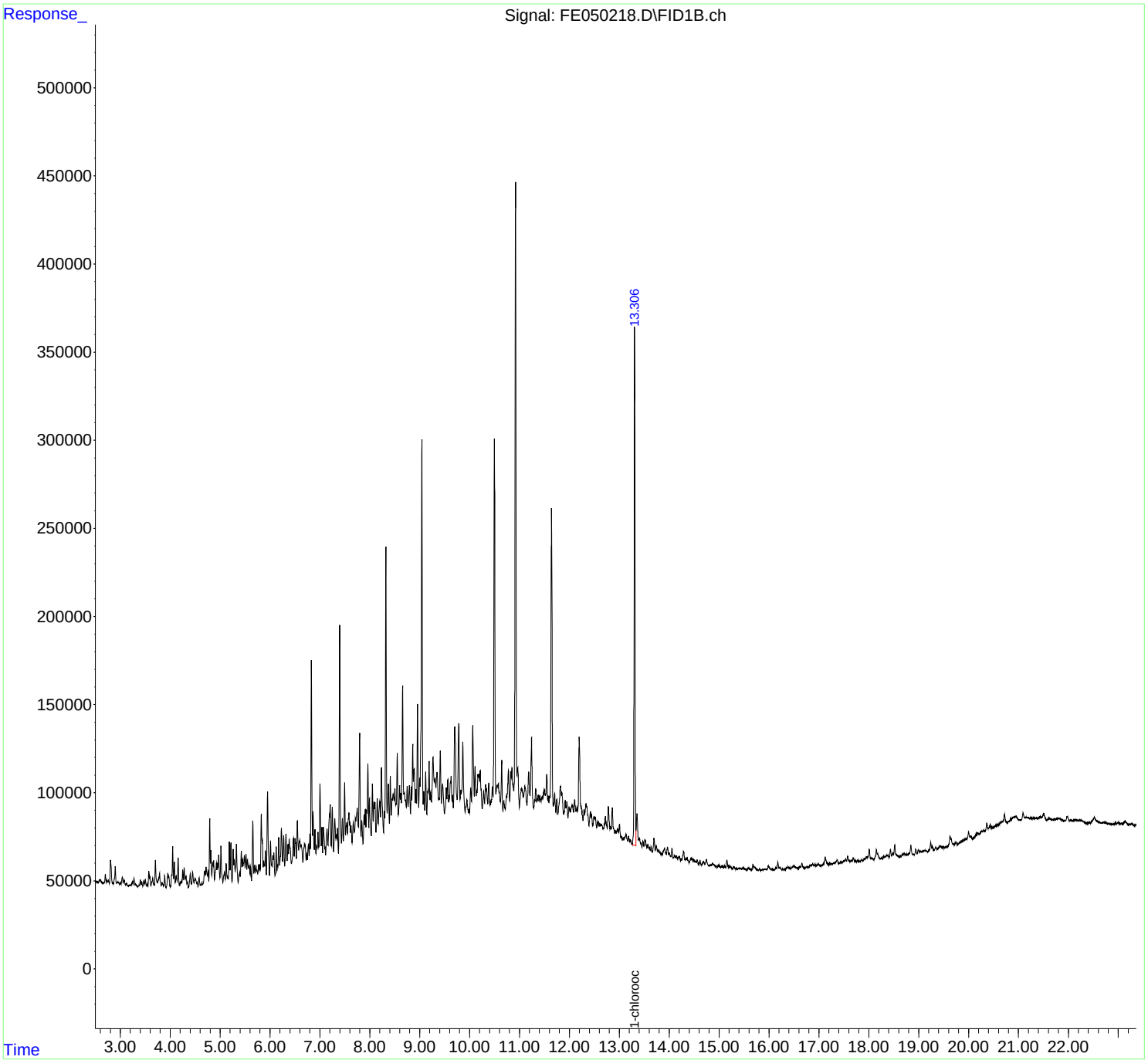
(f)=RT Delta > 1/2 Window (m)=manual int.

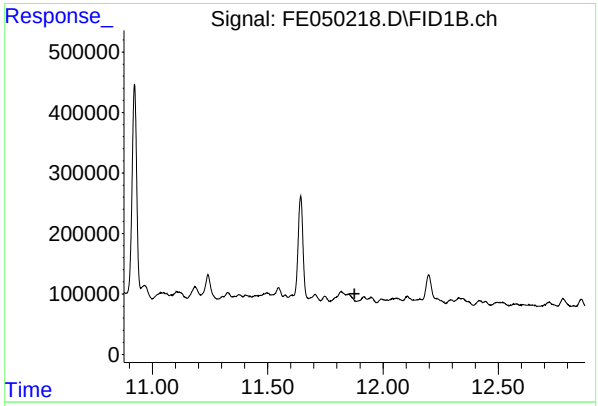
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050218.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 21:40
Operator : YP\AJ
Sample : P4103-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5A

Integration File: autoint1.e
Quant Time: Sep 20 01:37:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

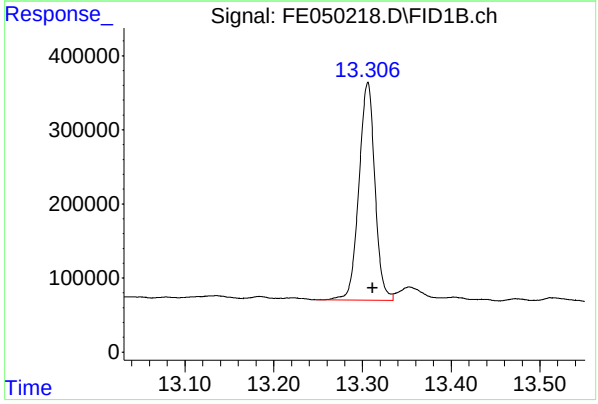




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5A



#12 1-chlorooctadecane (SURR)

R.T.: 13.306 min
Delta R.T.: -0.006 min
Response: 3678752
Conc: 32.75 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050218.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 21:40
Sample : P4103-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.125	3.104	3.164	BV	626	6218	0.09%	0.002%
2	3.183	3.164	3.202	PV	672	9392	0.14%	0.004%
3	3.239	3.202	3.252	VV	2222	37830	0.57%	0.015%
4	3.275	3.252	3.295	VV	4437	64066	0.96%	0.026%
5	3.310	3.295	3.350	VV	1211	19447	0.29%	0.008%
6	3.401	3.350	3.417	PV	3771	52670	0.79%	0.021%
7	3.430	3.417	3.450	VV	2750	31632	0.48%	0.013%
8	3.470	3.450	3.485	VV	3348	41397	0.62%	0.017%
9	3.501	3.485	3.528	VV	3964	54125	0.81%	0.022%
10	3.539	3.528	3.551	VV	1308	12932	0.19%	0.005%
11	3.571	3.551	3.613	VV	8845	157941	2.38%	0.063%
12	3.649	3.613	3.684	VV	5167	105059	1.58%	0.042%
13	3.703	3.684	3.740	VV	15148	213803	3.22%	0.086%
14	3.786	3.740	3.821	VV	7815	189435	2.85%	0.076%
15	3.841	3.821	3.871	VV	2512	48739	0.73%	0.020%
16	3.890	3.871	3.917	VV	6387	66835	1.01%	0.027%
17	3.952	3.917	4.002	PV	7891	179397	2.70%	0.072%
18	4.050	4.002	4.067	VV	23007	317132	4.77%	0.127%
19	4.083	4.067	4.102	VV	14343	179295	2.70%	0.072%
20	4.119	4.102	4.138	VV	6503	103789	1.56%	0.042%
21	4.159	4.138	4.182	VV	16672	209574	3.15%	0.084%
22	4.199	4.182	4.210	VV	3016	36918	0.56%	0.015%
23	4.222	4.210	4.233	VV	3499	39239	0.59%	0.016%
24	4.251	4.233	4.264	VV	9893	113893	1.71%	0.046%
25	4.280	4.264	4.297	VV	11135	147131	2.21%	0.059%
26	4.316	4.297	4.336	VV	6162	112003	1.69%	0.045%
27	4.344	4.336	4.365	VV	2992	29057	0.44%	0.012%
28	4.401	4.365	4.428	PV	7714	124812	1.88%	0.050%
29	4.449	4.428	4.475	VV	8805	144703	2.18%	0.058%
30	4.507	4.475	4.531	VV	4723	122288	1.84%	0.049%
31	4.540	4.531	4.557	VV	2715	27336	0.41%	0.011%
32	4.579	4.557	4.620	VV	5220	86112	1.30%	0.034%
33	4.636	4.620	4.650	VV	2623	32763	0.49%	0.013%
34	4.691	4.650	4.705	VV	8759	170214	2.56%	0.068%
35	4.719	4.705	4.745	VV	11195	207346	3.12%	0.083%
36	4.759	4.745	4.773	VV	9569	120087	1.81%	0.048%

37	4.792	4.773	4.833	VV	38561	636603	9.58%	0.255%
38	4.852	4.833	4.861	VV	13535	180914	2.72%	0.072%
39	4.870	4.861	4.889	VV	14963	174384	2.63%	0.070%
40	4.926	4.889	4.937	VV	13353	261063	3.93%	0.105%
41	4.948	4.937	4.957	VV	13256	145473	2.19%	0.058%
42	4.971	4.957	4.997	VV	18043	275284	4.14%	0.110%
43	5.017	4.997	5.056	VV	22829	355594	5.35%	0.142%
44	5.088	5.056	5.104	VV	8194	164063	2.47%	0.066%
45	5.122	5.104	5.162	VV	12904	244096	3.67%	0.098%
46	5.185	5.162	5.200	VV	25219	318531	4.80%	0.128%
47	5.217	5.200	5.239	VV	24749	309086	4.65%	0.124%
48	5.262	5.239	5.276	VV	20958	270720	4.08%	0.108%
49	5.285	5.276	5.301	VV	15188	190818	2.87%	0.076%
50	5.327	5.301	5.361	VV	23795	421962	6.35%	0.169%
51	5.391	5.361	5.403	VV	7573	137794	2.07%	0.055%
52	5.425	5.403	5.438	VV	19488	273720	4.12%	0.110%
53	5.448	5.438	5.460	VV	14980	170715	2.57%	0.068%
54	5.486	5.460	5.501	VV	17264	335409	5.05%	0.134%
55	5.519	5.501	5.535	VV	17685	280048	4.22%	0.112%
56	5.549	5.535	5.574	VV	14775	279022	4.20%	0.112%
57	5.584	5.574	5.599	VV	11307	139138	2.09%	0.056%
58	5.611	5.599	5.629	VV	10608	132952	2.00%	0.053%
59	5.656	5.629	5.676	VV	36677	502904	7.57%	0.201%
60	5.689	5.676	5.704	VV	11539	153972	2.32%	0.062%
61	5.720	5.704	5.753	VV	11343	252931	3.81%	0.101%
62	5.774	5.753	5.785	VV	11845	185303	2.79%	0.074%
63	5.825	5.785	5.864	VV	40493	958874	14.43%	0.384%
64	5.874	5.864	5.894	VV	13770	213882	3.22%	0.086%
65	5.909	5.894	5.926	VV	19590	255210	3.84%	0.102%
66	5.952	5.926	5.991	VV	52807	936734	14.10%	0.375%
67	6.011	5.991	6.041	VV	24997	440451	6.63%	0.176%
68	6.077	6.041	6.102	VV	18429	467380	7.04%	0.187%
69	6.125	6.102	6.142	VV	21677	296231	4.46%	0.119%
70	6.176	6.142	6.195	VV	26969	498694	7.51%	0.200%
71	6.229	6.195	6.253	VV	32107	708580	10.67%	0.284%
72	6.275	6.253	6.294	VV	27718	469405	7.07%	0.188%
73	6.320	6.294	6.344	VV	28637	550960	8.29%	0.221%
74	6.361	6.344	6.372	VV	22838	321070	4.83%	0.129%
75	6.386	6.372	6.430	VV	25372	661165	9.95%	0.265%
76	6.469	6.430	6.486	VV	26143	601734	9.06%	0.241%
77	6.502	6.486	6.529	VV	26098	549180	8.27%	0.220%
78	6.548	6.529	6.573	VV	36125	678490	10.21%	0.272%
79	6.598	6.573	6.613	VV	24745	548283	8.25%	0.220%
80	6.624	6.613	6.659	VV	22526	532983	8.02%	0.213%
81	6.692	6.659	6.724	VV	22834	737887	11.11%	0.296%
82	6.736	6.724	6.748	VV	17276	218072	3.28%	0.087%
83	6.770	6.748	6.785	VV	22541	420652	6.33%	0.168%
84	6.800	6.785	6.810	VV	28332	336424	5.06%	0.135%
85	6.830	6.810	6.852	VV	125952	1636217	24.63%	0.655%
86	6.864	6.852	6.888	VV	40982	651961	9.81%	0.261%
87	6.902	6.888	6.921	VV	30794	462216	6.96%	0.185%
88	6.962	6.921	6.979	VV	29240	797420	12.00%	0.319%
89	7.003	6.979	7.028	VV	56461	1033432	15.56%	0.414%

90	7.040	7.028	7.054	VV	31999	399831	6.02%	0.160%
91	7.071	7.054	7.115	VV	31616	864762	13.02%	0.346%
92	7.144	7.115	7.162	VV	30847	691010	10.40%	0.277%
93	7.207	7.162	7.227	VV	44610	1291208	19.44%	0.517%
94	7.249	7.227	7.275	VV	43368	856031	12.89%	0.343%
95	7.299	7.275	7.340	VV	36245	1086613	16.36%	0.435%
96	7.353	7.340	7.372	VV	31272	479156	7.21%	0.192%
97	7.397	7.372	7.432	VV	146821	2191030	32.98%	0.877%
98	7.452	7.432	7.471	VV	36565	689057	10.37%	0.276%
99	7.496	7.471	7.515	VV	56757	986056	14.84%	0.395%
100	7.540	7.515	7.554	VV	34279	735906	11.08%	0.295%
101	7.582	7.554	7.615	VV	39686	1240316	18.67%	0.497%
102	7.625	7.615	7.645	VV	32113	523195	7.88%	0.210%
103	7.671	7.645	7.691	VV	34244	813025	12.24%	0.326%
104	7.748	7.691	7.770	VV	41960	1704301	25.66%	0.683%
105	7.797	7.770	7.825	VV	84701	1656160	24.93%	0.663%
106	7.841	7.825	7.865	VV	34621	694200	10.45%	0.278%
107	7.886	7.865	7.897	VV	38356	586627	8.83%	0.235%
108	7.909	7.897	7.923	VV	41252	585896	8.82%	0.235%
109	7.963	7.923	7.979	VV	67375	1501637	22.61%	0.601%
110	7.993	7.979	8.030	VV	47305	1083733	16.31%	0.434%
111	8.054	8.030	8.070	VV	55563	948652	14.28%	0.380%
112	8.086	8.070	8.096	VV	45494	645250	9.71%	0.258%
113	8.104	8.096	8.124	VV	44981	648733	9.77%	0.260%
114	8.150	8.124	8.169	VV	47314	1018878	15.34%	0.408%
115	8.200	8.169	8.216	VV	45721	1125746	16.95%	0.451%
116	8.234	8.216	8.275	VV	64692	1597847	24.05%	0.640%
117	8.323	8.275	8.349	VV	190179	3195518	48.10%	1.280%
118	8.372	8.349	8.394	VV	54922	1216438	18.31%	0.487%
119	8.412	8.394	8.432	VV	59701	1051956	15.84%	0.421%
120	8.467	8.432	8.488	VV	49213	1558433	23.46%	0.624%
121	8.502	8.488	8.530	VV	52356	1155333	17.39%	0.463%
122	8.551	8.530	8.573	VV	72713	1388964	20.91%	0.556%
123	8.599	8.573	8.612	VV	54370	1087332	16.37%	0.435%
124	8.621	8.612	8.634	VV	49841	613494	9.24%	0.246%
125	8.659	8.634	8.684	VV	110636	2129211	32.05%	0.853%
126	8.693	8.684	8.732	VV	49925	1332521	20.06%	0.534%
127	8.750	8.732	8.769	VV	53423	1042351	15.69%	0.417%
128	8.794	8.769	8.817	VV	54100	1352134	20.35%	0.542%
129	8.834	8.817	8.844	VV	53185	770180	11.59%	0.308%
130	8.861	8.844	8.874	VV	77313	1138868	17.14%	0.456%
131	8.888	8.874	8.913	VV	63283	1325999	19.96%	0.531%
132	8.927	8.913	8.939	VV	52034	734457	11.06%	0.294%
133	8.958	8.939	8.982	VV	99970	1730747	26.05%	0.693%
134	8.999	8.982	9.007	VV	57823	773947	11.65%	0.310%
135	9.045	9.007	9.071	VV	249998	4330499	65.19%	1.734%
136	9.084	9.071	9.102	VV	50335	871044	13.11%	0.349%
137	9.121	9.102	9.143	VV	61314	1196376	18.01%	0.479%
138	9.190	9.143	9.208	VV	67654	1995353	30.04%	0.799%
139	9.219	9.208	9.236	VV	50053	816351	12.29%	0.327%
140	9.267	9.236	9.292	VV	69668	1962710	29.55%	0.786%
141	9.309	9.292	9.325	VV	57413	1115063	16.79%	0.447%

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142	9.349	9.325	9.394	VV	60989	2198128	33.09%	0.880%
143	9.414	9.394	9.436	VV	73225	1451661	21.85%	0.581%
144	9.459	9.436	9.498	VV	54199	1740030	26.19%	0.697%
145	9.534	9.498	9.546	VV	52168	1302418	19.61%	0.522%
146	9.564	9.546	9.581	VV	56865	1063470	16.01%	0.426%
147	9.592	9.581	9.597	VV	47379	446156	6.72%	0.179%
148	9.631	9.597	9.649	VV	58707	1617912	24.36%	0.648%
149	9.658	9.649	9.675	VV	47729	703838	10.60%	0.282%
150	9.703	9.675	9.754	VV	86465	2929247	44.10%	1.173%
151	9.783	9.754	9.811	VV	88738	2159680	32.51%	0.865%
152	9.824	9.811	9.833	VV	50615	638281	9.61%	0.256%
153	9.866	9.833	9.911	VV	77965	2515766	37.87%	1.008%
154	9.946	9.911	9.979	VV	45022	1661112	25.01%	0.665%
155	9.991	9.979	10.000	VV	39247	502448	7.56%	0.201%
156	10.024	10.000	10.039	VV	51595	1058527	15.93%	0.424%
157	10.065	10.039	10.095	VV	86894	2153118	32.41%	0.862%
158	10.111	10.095	10.132	VV	63601	1222620	18.41%	0.490%
159	10.189	10.132	10.200	VV	59423	2208553	33.25%	0.885%
160	10.213	10.200	10.254	VV	61401	1676075	25.23%	0.671%
161	10.283	10.254	10.301	VV	50033	1259518	18.96%	0.504%
162	10.324	10.301	10.364	VV	53084	1827310	27.51%	0.732%
163	10.385	10.364	10.410	VV	54168	1311176	19.74%	0.525%
164	10.458	10.410	10.469	VV	52090	1623057	24.43%	0.650%
165	10.498	10.469	10.528	VV	248471	4368900	65.77%	1.750%
166	10.577	10.528	10.614	VV	53473	2612805	39.33%	1.046%
167	10.645	10.614	10.669	VV	66833	1632553	24.58%	0.654%
168	10.687	10.669	10.714	VV	43817	1106687	16.66%	0.443%
169	10.779	10.714	10.805	VV	60748	2680919	40.36%	1.074%
170	10.828	10.805	10.836	VV	60095	988528	14.88%	0.396%
171	10.848	10.836	10.885	VV	62432	1630461	24.54%	0.653%
172	10.922	10.885	10.951	VV	394152	6642837	100.00%	2.660%
173	10.966	10.951	10.999	VV	62234	1550816	23.35%	0.621%
174	11.047	10.999	11.083	VV	50452	2367333	35.64%	0.948%
175	11.106	11.083	11.150	VV	51694	1923679	28.96%	0.770%
176	11.185	11.150	11.210	VV	59779	1821897	27.43%	0.730%
177	11.241	11.210	11.283	VV	79274	2409481	36.27%	0.965%
178	11.327	11.283	11.348	VV	49969	1719778	25.89%	0.689%
179	11.376	11.348	11.392	VV	46553	1184590	17.83%	0.474%
180	11.405	11.392	11.431	VV	46110	1049614	15.80%	0.420%
181	11.497	11.431	11.516	VV	49451	2330450	35.08%	0.933%
182	11.547	11.516	11.591	VV	58228	2184074	32.88%	0.875%
183	11.643	11.591	11.678	VV	210735	4600829	69.26%	1.843%
184	11.705	11.678	11.729	VV	46963	1280480	19.28%	0.513%
185	11.748	11.729	11.769	VV	43643	943180	14.20%	0.378%
186	11.819	11.769	11.840	VV	51120	1881409	28.32%	0.753%
187	11.850	11.840	11.884	VV	47346	1120068	16.86%	0.449%
188	11.917	11.884	11.932	VV	43071	1097681	16.52%	0.440%
189	11.949	11.932	11.972	VV	41975	936408	14.10%	0.375%
190	11.993	11.972	12.023	VV	38761	1115089	16.79%	0.447%
191	12.060	12.023	12.085	VV	40130	1454583	21.90%	0.583%
192	12.105	12.085	12.140	VV	43206	1281244	19.29%	0.513%
193	12.198	12.140	12.272	VV	78837	3565848	53.68%	1.428%
194	12.295	12.272	12.308	VV	37530	770398	11.60%	0.309%

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195	12.329	12.308	12.392	VV	40488	1808874	27.23%	0.724%
196	12.418	12.392	12.434	VV	35645	823075	12.39%	0.330%
197	12.444	12.434	12.467	VV	34626	627530	9.45%	0.251%
198	12.495	12.467	12.547	VV	33137	1508718	22.71%	0.604%
199	12.578	12.547	12.595	VV	30488	831168	12.51%	0.333%
200	12.608	12.595	12.624	VV	29332	494943	7.45%	0.198%
201	12.633	12.624	12.678	VV	28673	898820	13.53%	0.360%
202	12.720	12.678	12.756	VV	33228	1374845	20.70%	0.551%
203	12.781	12.756	12.814	VV	38797	1106750	16.66%	0.443%
204	12.859	12.814	12.904	VV	38007	1549378	23.32%	0.621%
205	12.919	12.904	12.943	VV	25118	570627	8.59%	0.229%
206	12.971	12.943	12.986	VV	25913	644537	9.70%	0.258%
207	13.003	12.986	13.063	VV	28499	1054726	15.88%	0.422%
208	13.079	13.063	13.093	VV	20884	365645	5.50%	0.146%
209	13.135	13.093	13.164	VV	22653	897709	13.51%	0.360%
210	13.184	13.164	13.211	VV	21553	559644	8.42%	0.224%
211	13.221	13.211	13.258	VV	19571	511404	7.70%	0.205%
212	13.306	13.258	13.334	VV	308850	4433502	66.74%	1.776%
213	13.353	13.334	13.390	VV	33996	878928	13.23%	0.352%
214	13.403	13.390	13.454	VV	20455	695653	10.47%	0.279%
215	13.473	13.454	13.493	VV	17948	392597	5.91%	0.157%
216	13.515	13.493	13.553	VV	19217	618201	9.31%	0.248%
217	13.569	13.553	13.621	VV	16519	612644	9.22%	0.245%
218	13.635	13.621	13.661	VV	15159	326397	4.91%	0.131%
219	13.694	13.661	13.719	VV	19906	554995	8.35%	0.222%
220	13.741	13.719	13.768	VV	15719	408054	6.14%	0.163%
221	13.782	13.768	13.854	VV	13274	618886	9.32%	0.248%
222	13.906	13.854	13.941	VV	14252	641364	9.65%	0.257%
223	13.965	13.941	13.991	VV	14773	379706	5.72%	0.152%
224	14.002	13.991	14.029	VV	11492	236615	3.56%	0.095%
225	14.054	14.029	14.078	VV	14011	326548	4.92%	0.131%
226	14.107	14.078	14.124	VV	9966	257471	3.88%	0.103%
227	14.140	14.124	14.166	VV	9531	224734	3.38%	0.090%
228	14.199	14.166	14.231	VV	9153	322963	4.86%	0.129%
229	14.286	14.231	14.314	VV	12260	450660	6.78%	0.180%
230	14.329	14.314	14.337	VV	7687	104000	1.57%	0.042%
231	14.356	14.337	14.398	VV	8176	259100	3.90%	0.104%
232	14.436	14.398	14.484	VV	7825	371714	5.60%	0.149%
233	14.494	14.484	14.541	VV	7215	216693	3.26%	0.087%
234	14.560	14.541	14.594	VV	6880	181786	2.74%	0.073%
235	14.616	14.594	14.651	VV	6955	176732	2.66%	0.071%
236	14.687	14.651	14.721	VV	6050	214321	3.23%	0.086%
237	14.744	14.721	14.799	VV	7117	238720	3.59%	0.096%
238	14.867	14.799	14.956	VV	5042	354500	5.34%	0.142%
239	14.994	14.956	15.044	VV	3646	159184	2.40%	0.064%
240	15.066	15.044	15.096	VV	3025	83613	1.26%	0.033%
241	15.113	15.096	15.131	VV	3185	56220	0.85%	0.023%
242	15.157	15.131	15.185	VV	6300	126525	1.90%	0.051%
243	15.197	15.185	15.228	VV	2998	70305	1.06%	0.028%
244	15.237	15.228	15.261	VV	2343	37494	0.56%	0.015%
245	15.297	15.261	15.334	VV	2372	78872	1.19%	0.032%
246	15.358	15.334	15.374	VV	1378	29685	0.45%	0.012%

247	15.402	15.374	15.451	VV	1705	66150	1.00%	0.026%
248	15.488	15.451	15.536	VV	1794	63328	0.95%	0.025%
249	15.545	15.536	15.561	VV	612	8482	0.13%	0.003%
250	15.590	15.561	15.613	VV	1318	33028	0.50%	0.013%
251	15.620	15.613	15.647	VV	888	14972	0.23%	0.006%
252	15.677	15.647	15.785	VV	3493	116734	1.76%	0.047%
253	15.807	15.785	15.837	PV	595	9068	0.14%	0.004%
254	15.858	15.837	15.879	VV	436	6371	0.10%	0.003%
255	15.897	15.879	15.908	VV	672	7553	0.11%	0.003%
256	15.934	15.908	15.954	VV	804	14362	0.22%	0.006%
257	15.985	15.954	16.051	VV	2382	65329	0.98%	0.026%
258	16.061	16.051	16.108	VV	581	9173	0.14%	0.004%
259	16.135	16.108	16.154	VV	1397	22616	0.34%	0.009%
260	16.177	16.154	16.260	VV	4429	94963	1.43%	0.038%
261	16.271	16.260	16.282	VV	412	2480	0.04%	0.001%
262	16.378	16.282	16.438	PV	1377	59510	0.90%	0.024%
263	16.493	16.438	16.584	VV	1874	87105	1.31%	0.035%
264	16.621	16.584	16.636	VV	964	21254	0.32%	0.009%
265	16.659	16.636	16.724	VV	3082	61544	0.93%	0.025%
266	16.752	16.724	16.764	PV	688	11132	0.17%	0.004%
267	16.772	16.764	16.784	VV	753	6620	0.10%	0.003%
268	16.874	16.784	16.907	VV	2152	102099	1.54%	0.041%
269	16.922	16.907	16.944	VV	1571	32159	0.48%	0.013%
270	16.987	16.944	17.058	VV	1922	87533	1.32%	0.035%
271	17.125	17.058	17.201	VV	5671	211315	3.18%	0.085%
272	17.221	17.201	17.264	VV	1839	58284	0.88%	0.023%
273	17.366	17.264	17.398	VV	3710	179641	2.70%	0.072%
274	17.450	17.398	17.470	VV	2354	84381	1.27%	0.034%
275	17.512	17.470	17.521	VV	3122	79429	1.20%	0.032%
276	17.537	17.521	17.554	VV	3860	63460	0.96%	0.025%
277	17.576	17.554	17.598	VV	5365	101094	1.52%	0.040%
278	17.607	17.598	17.628	VV	3099	46137	0.69%	0.018%
279	17.646	17.628	17.660	VV	2893	48515	0.73%	0.019%
280	17.686	17.660	17.724	VV	4184	117515	1.77%	0.047%
281	17.772	17.724	17.808	VV	2567	108976	1.64%	0.044%
282	17.812	17.808	17.824	VV	2077	19179	0.29%	0.008%
283	17.857	17.824	17.879	VV	2755	74801	1.13%	0.030%
284	17.907	17.879	17.921	VV	3472	71759	1.08%	0.029%
285	17.952	17.921	17.965	VV	4073	97015	1.46%	0.039%
286	18.009	17.965	18.036	VV	8332	214352	3.23%	0.086%
287	18.049	18.036	18.078	VV	3481	78437	1.18%	0.031%
288	18.083	18.078	18.104	VV	3052	44414	0.67%	0.018%
289	18.152	18.104	18.238	VV	7954	348315	5.24%	0.139%
290	18.251	18.238	18.271	VV	3063	57432	0.86%	0.023%
291	18.303	18.271	18.320	VV	3722	98167	1.48%	0.039%
292	18.356	18.320	18.371	VV	4463	119508	1.80%	0.048%
293	18.382	18.371	18.406	VV	4322	83098	1.25%	0.033%
294	18.433	18.406	18.455	VV	7570	153641	2.31%	0.062%
295	18.482	18.455	18.494	VV	5092	109556	1.65%	0.044%
296	18.519	18.494	18.622	VV	9843	375496	5.65%	0.150%
297	18.635	18.622	18.647	VV	3514	48213	0.73%	0.019%
298	18.716	18.647	18.771	VV	4747	310761	4.68%	0.124%
299	18.843	18.771	18.878	VV	9231	338711	5.10%	0.136%

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300	18.889	18.878	18.904	VV	4128	61672	0.93%	0.025%
301	18.941	18.904	18.964	VV	6661	175398	2.64%	0.070%
302	18.991	18.964	19.009	VV	6399	142645	2.15%	0.057%
303	19.031	19.009	19.064	VV	5489	174037	2.62%	0.070%
304	19.098	19.064	19.111	VV	5569	149191	2.25%	0.060%
305	19.120	19.111	19.132	VV	5833	72561	1.09%	0.029%
306	19.138	19.132	19.158	VV	5595	81327	1.22%	0.033%
307	19.167	19.158	19.181	VV	5211	70125	1.06%	0.028%
308	19.241	19.181	19.259	VV	10040	320052	4.82%	0.128%
309	19.269	19.259	19.306	VV	7653	183982	2.77%	0.074%
310	19.341	19.306	19.384	VV	7179	295790	4.45%	0.118%
311	19.434	19.384	19.468	VV	7560	352711	5.31%	0.141%
312	19.482	19.468	19.520	VV	6902	206662	3.11%	0.083%
313	19.628	19.520	19.688	VV	12887	876743	13.20%	0.351%
314	19.698	19.688	19.711	VV	8411	114076	1.72%	0.046%
315	19.746	19.711	19.771	VV	9326	304154	4.58%	0.122%
316	19.832	19.771	19.840	VV	9289	346386	5.21%	0.139%
317	19.857	19.840	19.868	VV	9805	160537	2.42%	0.064%
318	19.949	19.868	19.961	VV	10816	574424	8.65%	0.230%
319	19.999	19.961	20.024	VV	14669	470848	7.09%	0.189%
320	20.042	20.024	20.077	VV	11987	363741	5.48%	0.146%
321	20.163	20.077	20.171	VV	13218	659763	9.93%	0.264%
322	20.188	20.171	20.199	VV	13431	223498	3.36%	0.090%
323	20.268	20.199	20.281	VV	14540	674059	10.15%	0.270%
324	20.365	20.281	20.391	VV	18899	1032593	15.54%	0.414%
325	20.430	20.391	20.494	VV	17163	1011141	15.22%	0.405%
326	20.539	20.494	20.551	VV	17127	568484	8.56%	0.228%
327	20.561	20.551	20.574	VV	17699	244665	3.68%	0.098%
328	20.609	20.574	20.620	VV	17922	480489	7.23%	0.192%
329	20.720	20.620	20.758	VV	23117	1619155	24.37%	0.648%
330	20.842	20.758	20.852	VV	20285	1078857	16.24%	0.432%
331	20.912	20.852	20.924	VV	21444	906812	13.65%	0.363%
332	20.956	20.924	21.052	VV	21466	1558827	23.47%	0.624%
333	21.092	21.052	21.134	VV	23216	1035333	15.59%	0.415%
334	21.161	21.134	21.224	VV	20729	1107544	16.67%	0.444%
335	21.232	21.224	21.241	VV	20152	200102	3.01%	0.080%
336	21.267	21.241	21.317	VV	20249	912441	13.74%	0.365%
337	21.327	21.317	21.336	VV	20028	224830	3.38%	0.090%
338	21.354	21.336	21.371	VV	19852	416369	6.27%	0.167%
339	21.428	21.371	21.464	VV	20406	1120224	16.86%	0.449%
340	21.507	21.464	21.558	VV	22362	1145798	17.25%	0.459%
341	21.613	21.558	21.687	VV	19262	1456722	21.93%	0.583%
342	21.795	21.687	21.914	VV	18890	2498777	37.62%	1.001%
343	21.979	21.914	22.040	VV	19730	1357494	20.44%	0.544%
344	22.051	22.040	22.068	VV	17367	287115	4.32%	0.115%
345	22.143	22.068	22.161	VV	17280	962945	14.50%	0.386%
346	22.177	22.161	22.205	VV	17284	447018	6.73%	0.179%
347	22.244	22.205	22.261	VV	17070	567977	8.55%	0.227%
348	22.271	22.261	22.301	VBA	16746	438652	6.60%	0.176%

Sum of corrected areas: 249691229

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5A		SDG No.:	P4103	
Lab Sample ID:	P4103-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.8	
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
FG014282.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.45		0.33	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	27.2	E	0.38	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	59.6	E	1.07	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	7.78		2.23	2.97	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.9		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.9		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-04	Acq On:	19 Sep 2024 20:27
Client Sample ID:	WC-14-5-7.5A	Operator:	YP\AJ
Data file:	FG014282.D	Misc:	
Instrument:	FID_G	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.376	6.245	5932292	46.549	200	ug/ml
Aromatic C12-C16	6.246	8.944	48423460	367.004	300	ug/ml
Aromatic C16-C21	8.945	13.266	104365315	803.137	500	ug/ml
Aromatic C21-C36	13.267	18.723	13226311	104.891	800	ug/ml
Aromatic EPH	4.376	18.723	171947378	1320		ug/ml
ortho-Terphenyl (SURR)	11.816	11.816	3925781	29.12		ug/ml
2-Bromonaphthalene (SURR)	7.874	7.874	6024842	53.85		ug/ml
2-Flurobiphenyl (SURR)	8.746	8.746	3488769	47.92		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014282.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:27
Operator : YP\AJ
Sample : P4103-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 02:47:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.874	6024842	53.852 ug/ml
Spiked Amount 50.000		Recovery = 107.70%	
6) S 2-Flurobiphenyl (SURR)	8.746	3488769	47.918 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 95.84%	
11) S ortho-Terphenyl (SURR)	11.816	3925781	29.124 ug/mlm
Spiked Amount 50.000		Recovery = 58.25%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014282.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:27
Operator : YP\AJ
Sample : P4103-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

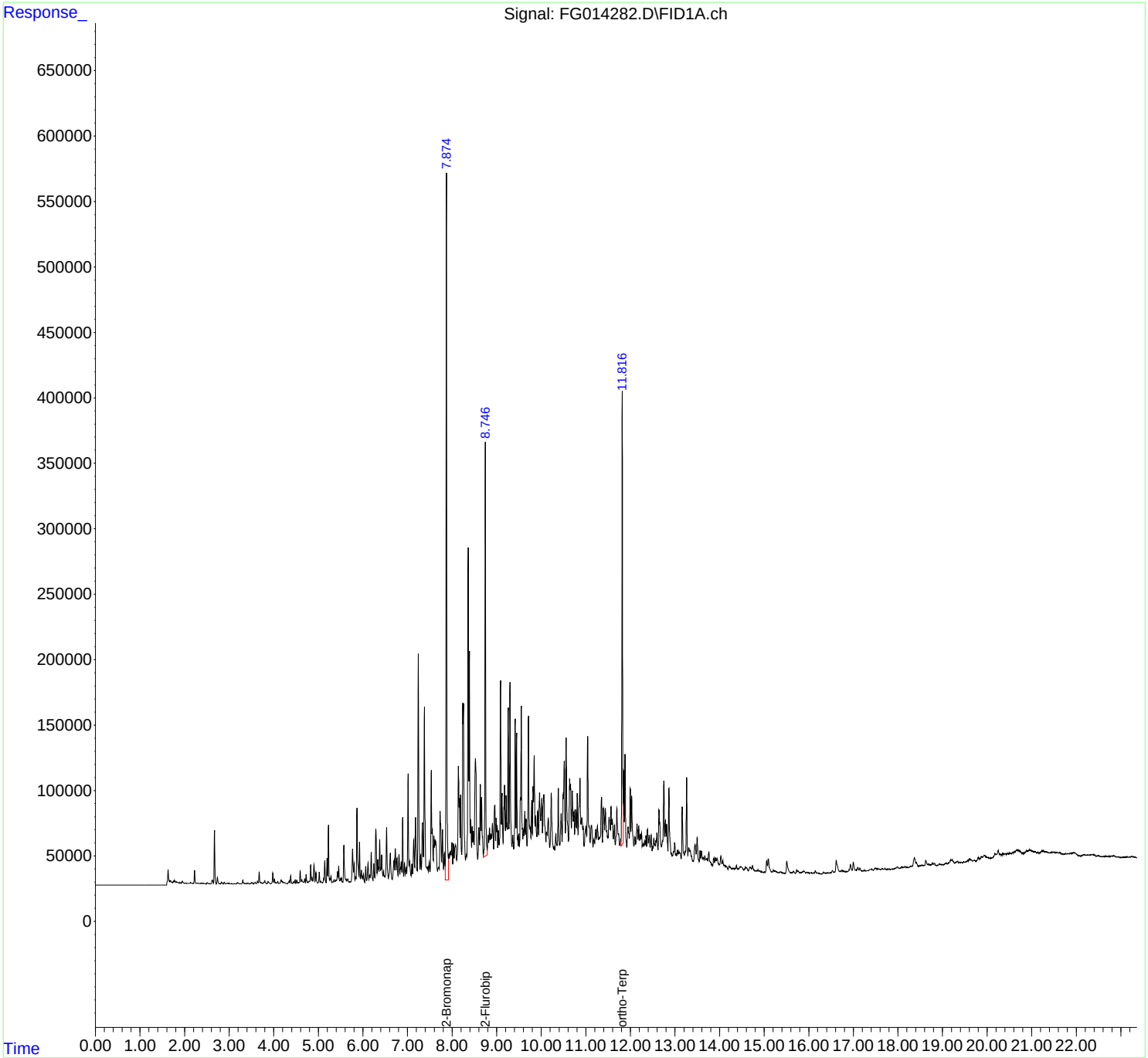
Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

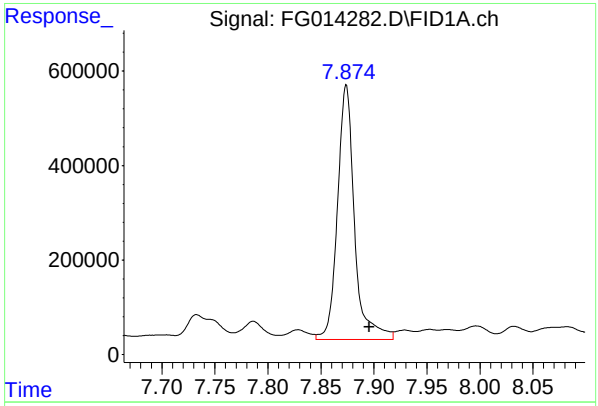
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 02:47:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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





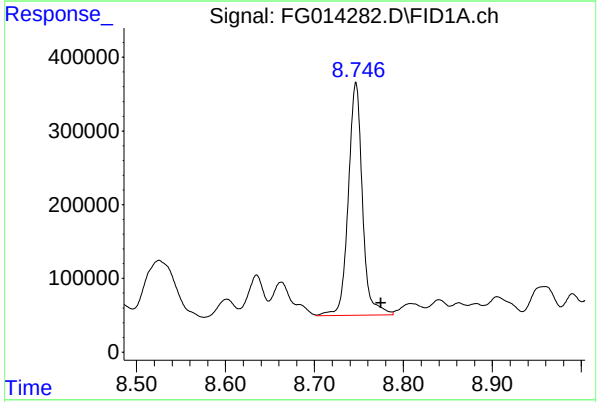
#4 2-Bromonaphthalene (SURR)

R.T.: 7.874 min
Delta R.T.: -0.022 min
Response: 6024842
Conc: 53.85 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

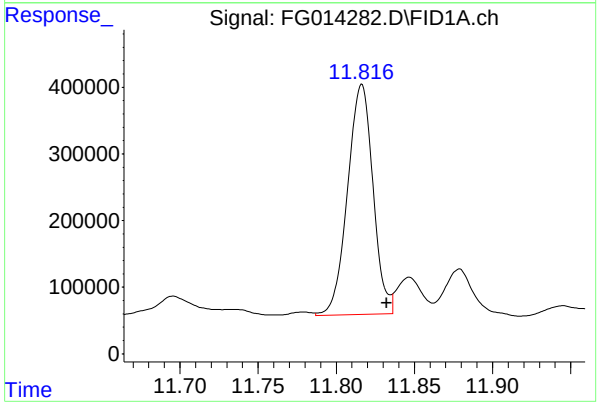
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.746 min
Delta R.T.: -0.028 min
Response: 3488769
Conc: 47.92 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.816 min
Delta R.T.: -0.016 min
Response: 3925781
Conc: 29.12 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09192
Data File : FG014282.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:27
Sample : P4103-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.349	4.301	4.362	PV	2299	36894	0.61%	0.020%
2	4.380	4.362	4.407	VV	6051	69297	1.15%	0.038%
3	4.443	4.407	4.461	VV	1566	24599	0.41%	0.013%
4	4.478	4.461	4.495	VV	2871	29915	0.49%	0.016%
5	4.517	4.495	4.536	VV	2706	31290	0.52%	0.017%
6	4.551	4.536	4.564	VV	915	10067	0.17%	0.006%
7	4.593	4.564	4.613	VV	10096	114476	1.89%	0.063%
8	4.630	4.613	4.679	VV	2917	64238	1.06%	0.035%
9	4.695	4.679	4.710	VV	3480	38639	0.64%	0.021%
10	4.727	4.710	4.742	VV	6844	72228	1.19%	0.040%
11	4.747	4.742	4.769	VV	2225	21405	0.35%	0.012%
12	4.787	4.769	4.792	VV	1305	14977	0.25%	0.008%
13	4.829	4.792	4.848	VV	14344	176093	2.91%	0.096%
14	4.859	4.848	4.877	VV	4283	51780	0.86%	0.028%
15	4.903	4.877	4.927	VV	14063	209134	3.46%	0.114%
16	4.948	4.927	4.989	VV	8340	116464	1.92%	0.064%
17	5.022	4.989	5.041	VV	8547	92324	1.53%	0.051%
18	5.056	5.041	5.075	VV	1586	19992	0.33%	0.011%
19	5.081	5.075	5.096	VV	436	4469	0.07%	0.002%
20	5.120	5.096	5.127	VV	3526	33390	0.55%	0.018%
21	5.144	5.127	5.174	VV	17330	204983	3.39%	0.112%
22	5.196	5.174	5.210	VV	18997	190804	3.15%	0.104%
23	5.227	5.210	5.251	VV	44557	467552	7.73%	0.256%
24	5.263	5.251	5.272	VV	3553	37604	0.62%	0.021%
25	5.285	5.272	5.303	VV	5425	58482	0.97%	0.032%
26	5.325	5.303	5.334	VV	924	13093	0.22%	0.007%
27	5.354	5.334	5.372	VV	2432	36026	0.60%	0.020%
28	5.400	5.372	5.409	VV	2290	36476	0.60%	0.020%
29	5.432	5.409	5.444	VV	8627	109798	1.81%	0.060%
30	5.458	5.444	5.481	VV	12697	139400	2.30%	0.076%
31	5.499	5.481	5.509	VV	3382	40901	0.68%	0.022%
32	5.519	5.509	5.535	VV	3646	35907	0.59%	0.020%
33	5.544	5.535	5.553	VV	985	7751	0.13%	0.004%
34	5.573	5.553	5.615	VV	28858	385235	6.37%	0.211%
35	5.624	5.615	5.638	VV	2730	29460	0.49%	0.016%
36	5.662	5.638	5.699	VV	2943	56580	0.93%	0.031%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
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rteres

37	5.708	5.699	5.721	VV	708	6797	0.11%	0.004%
38	5.768	5.721	5.792	VV	25802	405628	6	
39	5.804	5.792	5.822	VV	14896	158301	2	
40	5.836	5.822	5.847	VV	4368	49650	0	
41	5.867	5.847	5.909	VV	56883	782555	12	
42	5.925	5.909	5.947	VV	30801	322245	5	
43	5.967	5.947	5.982	VV	9443	122792	2.03%	0.067%
44	5.990	5.982	6.000	VV	4374	40387	0.67%	0.022%
45	6.013	6.000	6.040	VV	6440	81228	1.34%	0.044%
46	6.064	6.040	6.085	VV	12179	132788	2.19%	0.073%
47	6.116	6.085	6.134	VV	14784	215898	3.57%	0.118%
48	6.148	6.134	6.160	VV	5678	65657	1.08%	0.036%
49	6.187	6.160	6.226	VV	22924	327503	5.41%	0.179%
50	6.244	6.226	6.267	VV	14170	176034	2.91%	0.096%
51	6.290	6.267	6.318	VV	40662	667355	11.03%	0.365%
52	6.334	6.318	6.347	VV	17330	210423	3.48%	0.115%
53	6.352	6.347	6.362	VV	11196	95720	1.58%	0.052%
54	6.378	6.362	6.395	VV	32743	372851	6.16%	0.204%
55	6.422	6.395	6.451	VV	20830	374597	6.19%	0.205%
56	6.464	6.451	6.479	VV	8323	105039	1.74%	0.058%
57	6.484	6.479	6.497	VV	4589	47213	0.78%	0.026%
58	6.532	6.497	6.573	VV	41558	664898	10.99%	0.364%
59	6.615	6.573	6.660	VV	22213	460534	7.61%	0.252%
60	6.697	6.660	6.710	VV	16174	279330	4.62%	0.153%
61	6.728	6.710	6.745	VV	25312	364931	6.03%	0.200%
62	6.765	6.745	6.789	VV	18070	320593	5.30%	0.176%
63	6.811	6.789	6.829	VV	21075	301290	4.98%	0.165%
64	6.862	6.829	6.876	VV	15326	294846	4.87%	0.161%
65	6.892	6.876	6.915	VV	49162	528334	8.73%	0.289%
66	6.934	6.915	6.951	VV	14679	199486	3.30%	0.109%
67	6.970	6.951	6.983	VV	10556	160108	2.65%	0.088%
68	7.014	6.983	7.034	VV	82403	1020601	16.86%	0.559%
69	7.050	7.034	7.081	VV	15443	299869	4.96%	0.164%
70	7.099	7.081	7.115	VV	13576	183316	3.03%	0.100%
71	7.141	7.115	7.162	VV	32063	529299	8.75%	0.290%
72	7.181	7.162	7.219	VV	49073	861720	14.24%	0.472%
73	7.243	7.219	7.281	VV	173520	2349497	38.82%	1.286%
74	7.295	7.281	7.312	VV	20416	263373	4.35%	0.144%
75	7.335	7.312	7.358	VV	44961	777886	12.85%	0.426%
76	7.380	7.358	7.430	VV	133019	1953155	32.27%	1.069%
77	7.437	7.430	7.448	VV	10428	103515	1.71%	0.057%
78	7.458	7.448	7.471	VV	11204	138233	2.28%	0.076%
79	7.489	7.471	7.508	VV	14809	238067	3.93%	0.130%
80	7.534	7.508	7.550	VV	84963	1072264	17.72%	0.587%
81	7.557	7.550	7.579	VV	39023	517219	8.55%	0.283%
82	7.594	7.579	7.604	VV	34554	401417	6.63%	0.220%
83	7.614	7.604	7.623	VV	31618	339769	5.61%	0.186%
84	7.632	7.623	7.674	VV	30413	645252	10.66%	0.353%
85	7.703	7.674	7.712	VV	10605	219389	3.63%	0.120%
86	7.733	7.712	7.767	VV	53397	1079226	17.83%	0.591%
87	7.786	7.767	7.810	VV	39416	594922	9.83%	0.326%
88	7.828	7.810	7.846	VV	21396	320090	5.29%	0.175%
89	7.874	7.846	7.918	VV	540401	6051787	100.00%	3.313%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 09/20/2024

rteres

90	7.929	7.918	7.939	VV	20676	244125	4.03%	0.134%
91	7.952	7.939	7.961	VV	22016	261083		
92	7.969	7.961	7.980	VV	21833	234589		
93	7.996	7.980	8.016	VV	29387	489213		
94	8.032	8.016	8.049	VV	28414	424717		
95	8.082	8.049	8.102	VV	27508	743720		
96	8.143	8.102	8.159	VV	87327	1525747	25.21%	0.835%
97	8.167	8.159	8.180	VV	62945	643211	10.63%	0.352%
98	8.192	8.180	8.219	VV	65791	900726	14.88%	0.493%
99	8.241	8.219	8.248	VV	135608	1399301	23.12%	0.766%
100	8.256	8.248	8.303	VV	135210	1976866	32.67%	1.082%
101	8.322	8.303	8.331	VV	20400	318147	5.26%	0.174%
102	8.363	8.331	8.377	VV	253987	3198874	52.86%	1.751%
103	8.389	8.377	8.409	VV	175205	1992717	32.93%	1.091%
104	8.420	8.409	8.439	VV	46474	681457	11.26%	0.373%
105	8.453	8.439	8.465	VV	41135	532060	8.79%	0.291%
106	8.478	8.465	8.496	VV	37470	603539	9.97%	0.330%
107	8.525	8.496	8.576	VV	93283	2571933	42.50%	1.408%
108	8.602	8.576	8.615	VV	40327	688539	11.38%	0.377%
109	8.635	8.615	8.649	VV	73387	1009187	16.68%	0.552%
110	8.663	8.649	8.703	VV	63510	1283676	21.21%	0.703%
111	8.747	8.703	8.787	VV	335135	4414394	72.94%	2.417%
112	8.808	8.787	8.825	VV	34409	686274	11.34%	0.376%
113	8.840	8.825	8.853	VV	39537	569021	9.40%	0.312%
114	8.862	8.853	8.872	VV	35415	394661	6.52%	0.216%
115	8.882	8.872	8.890	VV	34408	344634	5.69%	0.189%
116	8.906	8.890	8.934	VV	43558	935422	15.46%	0.512%
117	8.958	8.934	8.977	VV	57012	1161133	19.19%	0.636%
118	8.990	8.977	9.001	VV	47520	573845	9.48%	0.314%
119	9.010	9.001	9.025	VV	41679	515525	8.52%	0.282%
120	9.039	9.025	9.055	VV	37769	560431	9.26%	0.307%
121	9.088	9.055	9.108	VV	152265	2338218	38.64%	1.280%
122	9.121	9.108	9.145	VV	66152	1061294	17.54%	0.581%
123	9.177	9.145	9.197	VV	72505	1586348	26.21%	0.868%
124	9.214	9.197	9.227	VV	64535	915489	15.13%	0.501%
125	9.234	9.227	9.242	VV	43592	365807	6.04%	0.200%
126	9.259	9.242	9.276	VV	131583	1611688	26.63%	0.882%
127	9.300	9.276	9.344	VV	150903	2711201	44.80%	1.484%
128	9.362	9.344	9.384	VV	34182	687242	11.36%	0.376%
129	9.416	9.384	9.432	VV	122939	1803271	29.80%	0.987%
130	9.448	9.432	9.484	VV	111873	1716115	28.36%	0.939%
131	9.499	9.484	9.513	VV	35061	514021	8.49%	0.281%
132	9.533	9.513	9.536	VV	62940	646427	10.68%	0.354%
133	9.553	9.536	9.589	VV	132596	2183092	36.07%	1.195%
134	9.604	9.589	9.614	VV	38184	519623	8.59%	0.284%
135	9.633	9.614	9.648	VV	52344	874670	14.45%	0.479%
136	9.661	9.648	9.682	VV	46190	748162	12.36%	0.410%
137	9.714	9.682	9.745	VV	124756	2206961	36.47%	1.208%
138	9.752	9.745	9.769	VV	39864	546295	9.03%	0.299%
139	9.787	9.769	9.802	VV	60513	906968	14.99%	0.497%
140	9.818	9.802	9.829	VV	70911	918833	15.18%	0.503%
141	9.842	9.829	9.863	VV	94692	1397974	23.10%	0.765%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5A

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

rteres

142	9.877	9.863	9.904	VV	48656	1005544	16.62%	0.550%
143	9.921	9.904	9.942	VV	51963	967714	15	
144	9.962	9.942	9.988	VV	65874	1406520	23	
145	10.013	9.988	10.029	VV	61848	1236462	20	
146	10.061	10.029	10.105	VV	64581	2165342	35	
147	10.119	10.105	10.135	VV	35699	612424	10	
148	10.158	10.135	10.190	VV	46383	1207513	19.95%	0.661%
149	10.225	10.190	10.276	VV	65721	1923024	31.78%	1.053%
150	10.286	10.276	10.305	VV	24576	412142	6.81%	0.226%
151	10.326	10.305	10.355	VV	34364	836295	13.82%	0.458%
152	10.383	10.355	10.418	VV	69043	1433650	23.69%	0.785%
153	10.448	10.418	10.467	VV	50066	1129990	18.67%	0.619%
154	10.492	10.467	10.499	VV	64446	893584	14.77%	0.489%
155	10.517	10.499	10.541	VV	89632	1685588	27.85%	0.923%
156	10.560	10.541	10.611	VV	107641	2363318	39.05%	1.294%
157	10.638	10.611	10.648	VV	76356	1219950	20.16%	0.668%
158	10.655	10.648	10.677	VV	71954	1038802	17.17%	0.569%
159	10.697	10.677	10.721	VV	67059	1394312	23.04%	0.763%
160	10.734	10.721	10.749	VV	51260	741528	12.25%	0.406%
161	10.773	10.749	10.790	VV	52584	1068735	17.66%	0.585%
162	10.808	10.790	10.826	VV	65118	1064043	17.58%	0.583%
163	10.869	10.826	10.889	VV	76370	2115120	34.95%	1.158%
164	10.910	10.889	10.932	VV	46361	1104716	18.25%	0.605%
165	10.940	10.932	10.959	VV	39366	561403	9.28%	0.307%
166	11.004	10.959	11.019	VV	40212	1194055	19.73%	0.654%
167	11.042	11.019	11.096	VV	108649	2449743	40.48%	1.341%
168	11.128	11.096	11.159	VV	40372	1289141	21.30%	0.706%
169	11.179	11.159	11.199	VV	29993	645803	10.67%	0.354%
170	11.223	11.199	11.243	VV	37123	868057	14.34%	0.475%
171	11.262	11.243	11.282	VV	40105	804029	13.29%	0.440%
172	11.303	11.282	11.308	VV	31003	482763	7.98%	0.264%
173	11.351	11.308	11.374	VV	61664	1622243	26.81%	0.888%
174	11.401	11.374	11.422	VV	53506	1272360	21.02%	0.697%
175	11.438	11.422	11.462	VV	53179	1046664	17.30%	0.573%
176	11.471	11.462	11.484	VV	36417	459039	7.59%	0.251%
177	11.489	11.484	11.500	VV	31797	287744	4.75%	0.158%
178	11.521	11.500	11.549	VV	46177	1195255	19.75%	0.654%
179	11.565	11.549	11.583	VV	54490	955959	15.80%	0.523%
180	11.594	11.583	11.617	VV	44500	772076	12.76%	0.423%
181	11.639	11.617	11.660	VV	40143	853053	14.10%	0.467%
182	11.696	11.660	11.763	VV	53328	2140004	35.36%	1.172%
183	11.779	11.763	11.787	VV	29539	393575	6.50%	0.215%
184	11.816	11.787	11.835	VV	372042	4630578	76.52%	2.535%
185	11.847	11.835	11.862	VV	81658	1048010	17.32%	0.574%
186	11.879	11.862	11.918	VV	94277	1698221	28.06%	0.930%
187	11.945	11.918	11.976	VV	38839	1117902	18.47%	0.612%
188	11.996	11.976	12.011	VV	68070	1041172	17.20%	0.570%
189	12.027	12.011	12.077	VV	62310	1582507	26.15%	0.866%
190	12.101	12.077	12.118	VV	30936	662899	10.95%	0.363%
191	12.150	12.118	12.171	VV	40869	1064195	17.58%	0.583%
192	12.187	12.171	12.206	VV	39296	709103	11.72%	0.388%
193	12.224	12.206	12.237	VV	32884	561144	9.27%	0.307%
194	12.249	12.237	12.265	VV	34126	511482	8.45%	0.280%

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rteres

195	12.286	12.265	12.298	VV	25860	487137	8.05%	0.267%
196	12.323	12.298	12.333	VV	27958	540012	8	
197	12.349	12.333	12.362	VV	31885	492758	8	
198	12.382	12.362	12.403	VV	36672	740869	12	
199	12.421	12.403	12.443	VV	31994	673296	11	
200	12.465	12.443	12.485	VV	32203	650912	10	
201	12.498	12.485	12.509	VV	23412	322600	5.33%	0.177%
202	12.526	12.509	12.557	VV	29677	737289	12.18%	0.404%
203	12.570	12.557	12.576	VV	27848	310297	5.13%	0.170%
204	12.593	12.576	12.619	VV	33836	700962	11.58%	0.384%
205	12.640	12.619	12.695	VV	51297	1540742	25.46%	0.843%
206	12.719	12.695	12.724	VV	27244	437574	7.23%	0.240%
207	12.749	12.724	12.769	VV	73484	1296010	21.42%	0.709%
208	12.785	12.769	12.801	VV	43930	714336	11.80%	0.391%
209	12.813	12.801	12.841	VV	39818	754400	12.47%	0.413%
210	12.863	12.841	12.912	VV	67734	1484383	24.53%	0.813%
211	12.921	12.912	12.947	VV	18370	353315	5.84%	0.193%
212	12.967	12.947	12.973	VV	19275	279938	4.63%	0.153%
213	12.991	12.973	13.012	VV	25912	501637	8.29%	0.275%
214	13.025	13.012	13.036	VV	17615	243654	4.03%	0.133%
215	13.056	13.036	13.075	VV	20405	432313	7.14%	0.237%
216	13.089	13.075	13.099	VV	18931	263141	4.35%	0.144%
217	13.105	13.099	13.138	VV	18295	390288	6.45%	0.214%
218	13.161	13.138	13.210	VV	53301	1153378	19.06%	0.631%
219	13.233	13.210	13.238	VV	19499	303442	5.01%	0.166%
220	13.260	13.238	13.287	VV	75819	1174082	19.40%	0.643%
221	13.308	13.287	13.328	VV	22007	496556	8.21%	0.272%
222	13.338	13.328	13.364	VV	20050	393948	6.51%	0.216%
223	13.370	13.364	13.396	VV	15668	267435	4.42%	0.146%
224	13.400	13.396	13.411	VV	11916	107659	1.78%	0.059%
225	13.448	13.411	13.474	VV	24271	705343	11.66%	0.386%
226	13.497	13.474	13.542	VV	29682	773967	12.79%	0.424%
227	13.561	13.542	13.576	VV	19439	316647	5.23%	0.173%
228	13.593	13.576	13.618	VV	19160	412677	6.82%	0.226%
229	13.633	13.618	13.649	VV	14348	252381	4.17%	0.138%
230	13.668	13.649	13.693	VV	15512	359897	5.95%	0.197%
231	13.715	13.693	13.733	VV	13545	308063	5.09%	0.169%
232	13.758	13.733	13.818	VV	18335	650615	10.75%	0.356%
233	13.826	13.818	13.841	VV	9069	117665	1.94%	0.064%
234	13.867	13.841	13.885	VV	13690	287762	4.75%	0.158%
235	13.903	13.885	13.922	VV	13923	273254	4.52%	0.150%
236	13.941	13.922	13.980	VV	13388	398996	6.59%	0.218%
237	13.986	13.980	13.998	VV	8950	95798	1.58%	0.052%
238	14.028	13.998	14.056	VV	15265	402997	6.66%	0.221%
239	14.072	14.056	14.097	VV	11615	240874	3.98%	0.132%
240	14.105	14.097	14.125	VV	8112	133005	2.20%	0.073%
241	14.134	14.125	14.147	VV	7457	93602	1.55%	0.051%
242	14.159	14.147	14.183	VV	6983	135983	2.25%	0.074%
243	14.187	14.183	14.190	VV	5138	22042	0.36%	0.012%
244	14.210	14.190	14.226	VV	7194	136192	2.25%	0.075%
245	14.237	14.226	14.279	VV	6709	189837	3.14%	0.104%
246	14.296	14.279	14.307	VV	5543	89667	1.48%	0.049%

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rteres

247	14.317	14.307	14.333	VV	5857	85830	1.42%	0.047%
248	14.348	14.333	14.358	VV	5470	78008	1	
249	14.376	14.358	14.419	VV	8001	217221	3	
250	14.456	14.419	14.471	VV	6842	180309	2	
251	14.479	14.471	14.540	VV	6863	239829	3	
252	14.579	14.540	14.646	VV	6302	321918	5	
253	14.677	14.646	14.713	VV	6291	211929	3.50%	0.116%
254	14.737	14.713	14.765	VV	7429	177101	2.93%	0.097%
255	14.773	14.765	14.803	VV	4233	82404	1.36%	0.045%
256	14.822	14.803	14.840	VV	3602	71207	1.18%	0.039%
257	14.865	14.840	14.885	VV	4066	95759	1.58%	0.052%
258	14.894	14.885	14.914	VV	3362	55995	0.93%	0.031%
259	14.931	14.914	14.967	VV	3060	82394	1.36%	0.045%
260	14.972	14.967	14.987	VV	2300	26679	0.44%	0.015%
261	15.007	14.987	15.025	VV	2313	47114	0.78%	0.026%
262	15.053	15.025	15.071	VV	10939	190935	3.16%	0.105%
263	15.092	15.071	15.160	VV	12227	344554	5.69%	0.189%
264	15.165	15.160	15.181	VV	2491	29724	0.49%	0.016%
265	15.206	15.181	15.234	VV	3869	97186	1.61%	0.053%
266	15.244	15.234	15.273	VV	3200	62446	1.03%	0.034%
267	15.283	15.273	15.309	VV	2386	44346	0.73%	0.024%
268	15.314	15.309	15.320	VV	1642	10980	0.18%	0.006%
269	15.360	15.320	15.382	VV	2381	71281	1.18%	0.039%
270	15.386	15.382	15.420	VV	1893	37305	0.62%	0.020%
271	15.432	15.420	15.443	VV	1260	16370	0.27%	0.009%
272	15.448	15.443	15.464	VV	1156	13219	0.22%	0.007%
273	15.507	15.464	15.587	VV	10146	288443	4.77%	0.158%
274	15.590	15.587	15.608	VV	1500	17505	0.29%	0.010%
275	15.622	15.608	15.627	VV	1461	14842	0.25%	0.008%
276	15.660	15.627	15.704	VV	2680	76438	1.26%	0.042%
277	15.728	15.704	15.745	VV	3576	60353	1.00%	0.033%
278	15.763	15.745	15.792	VV	2712	57391	0.95%	0.031%
279	15.808	15.792	15.813	VV	1286	15374	0.25%	0.008%
280	15.820	15.813	15.825	VV	1274	8895	0.15%	0.005%
281	15.861	15.825	15.868	VV	2088	41205	0.68%	0.023%
282	15.888	15.868	15.931	VV	2720	74195	1.23%	0.041%
283	15.955	15.931	15.995	VV	1608	49169	0.81%	0.027%
284	15.999	15.995	16.017	VV	1225	13771	0.23%	0.008%
285	16.036	16.017	16.040	VV	1010	12943	0.21%	0.007%
286	16.054	16.040	16.086	VV	1151	25277	0.42%	0.014%
287	16.111	16.086	16.125	VV	1184	22173	0.37%	0.012%
288	16.147	16.125	16.183	VV	2529	53147	0.88%	0.029%
289	16.200	16.183	16.215	VV	962	15484	0.26%	0.008%
290	16.218	16.215	16.232	VV	624	5507	0.09%	0.003%
291	16.237	16.232	16.252	VV	576	4566	0.08%	0.002%
292	16.260	16.252	16.285	VV	297	2798	0.05%	0.002%
293	16.332	16.285	16.350	PV	1096	22062	0.36%	0.012%
294	16.373	16.350	16.378	VV	542	8128	0.13%	0.004%
295	16.383	16.378	16.397	VV	522	4226	0.07%	0.002%
296	16.406	16.397	16.410	VV	523	3225	0.05%	0.002%
297	16.425	16.410	16.460	VV	792	16262	0.27%	0.009%
298	16.473	16.460	16.477	VV	539	4182	0.07%	0.002%
299	16.490	16.477	16.498	VV	629	6239	0.10%	0.003%

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rteres

300	16.530	16.498	16.560	VV	2166	45348	0.75%	0.025%
301	16.580	16.560	16.585	VV	832	11222		
302	16.616	16.585	16.690	VV	9694	268835		
303	16.706	16.690	16.727	VV	1546	25752		
304	16.744	16.727	16.750	VV	2017	21334		
305	16.756	16.750	16.780	VV	1645	23689		
306	16.786	16.780	16.805	VV	1255	14626	0.24%	0.008%
307	16.816	16.805	16.823	VV	824	7540	0.12%	0.004%
308	16.835	16.823	16.855	VV	806	11973	0.20%	0.007%
309	16.905	16.855	16.910	VV	2203	36184	0.60%	0.020%
310	16.934	16.910	16.972	VV	5866	121666	2.01%	0.067%
311	16.998	16.972	17.050	VV	7339	165058	2.73%	0.090%
312	17.061	17.050	17.074	VV	1476	17589	0.29%	0.010%
313	17.099	17.074	17.127	VV	3374	66675	1.10%	0.037%
314	17.147	17.127	17.171	VV	2629	44317	0.73%	0.024%
315	17.176	17.171	17.193	VV	682	6677	0.11%	0.004%
316	17.206	17.193	17.217	VV	404	4561	0.08%	0.002%
317	17.236	17.217	17.244	VV	655	7881	0.13%	0.004%
318	17.255	17.244	17.269	VV	706	6900	0.11%	0.004%
319	17.273	17.269	17.278	VV	276	1228	0.02%	0.001%
320	17.282	17.278	17.288	VV	291	1112	0.02%	0.001%
321	17.309	17.288	17.314	VV	337	3478	0.06%	0.002%
322	17.333	17.314	17.338	VV	300	3702	0.06%	0.002%
323	17.404	17.338	17.434	VV	1334	49799	0.82%	0.027%
324	17.489	17.434	17.499	VV	1808	40416	0.67%	0.022%
325	17.503	17.499	17.508	VV	1684	8218	0.14%	0.004%
326	17.511	17.508	17.532	VV	1572	17824	0.29%	0.010%
327	17.553	17.532	17.576	VV	1394	28645	0.47%	0.016%
328	17.582	17.576	17.595	VV	965	9426	0.16%	0.005%
329	17.612	17.595	17.618	VV	712	8420	0.14%	0.005%
330	17.654	17.618	17.674	VV	1164	25722	0.43%	0.014%
331	17.688	17.674	17.694	VV	785	7245	0.12%	0.004%
332	17.712	17.694	17.736	VV	977	14395	0.24%	0.008%
333	17.757	17.736	17.773	PV	615	6508	0.11%	0.004%
334	17.791	17.773	17.798	VV	456	5088	0.08%	0.003%
335	17.804	17.798	17.822	VV	486	3942	0.07%	0.002%
336	17.831	17.822	17.835	VV	163	1086	0.02%	0.001%
337	17.842	17.835	17.850	PV	302	1521	0.03%	0.001%
338	17.856	17.850	17.861	VV	263	1003	0.02%	0.001%
339	17.879	17.861	17.886	VV	321	3061	0.05%	0.002%
340	17.911	17.894	17.924	VV	308	3454	0.06%	0.002%
341	17.966	17.924	17.970	VV	1086	17373	0.29%	0.010%
342	17.990	17.970	18.034	VV	1748	32974	0.54%	0.018%
343	18.049	18.034	18.055	VV	300	2295	0.04%	0.001%
344	18.080	18.055	18.095	VV	1347	19142	0.32%	0.010%
345	18.112	18.095	18.131	VV	1026	15553	0.26%	0.009%
346	18.158	18.131	18.197	VV	1340	31115	0.51%	0.017%
347	18.208	18.197	18.230	VV	537	5850	0.10%	0.003%
348	18.276	18.230	18.282	PV	943	12371	0.20%	0.007%
349	18.295	18.282	18.303	VV	1141	12593	0.21%	0.007%
350	18.318	18.303	18.324	VV	1122	11483	0.19%	0.006%
351	18.370	18.324	18.402	VV	7197	207740	3.43%	0.114%

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					rteres			
352	18.413	18.402	18.470	VV	3398	66863	1.10%	0.037%
353	18.485	18.470	18.490	VV	590	5199		
354	18.515	18.490	18.527	VV	794	13374		
355	18.537	18.527	18.542	VV	955	6875		
356	18.547	18.542	18.557	VV	824	6932		
357	18.564	18.557	18.573	VV	796	6381		
358	18.577	18.573	18.597	VV	703	6804	0.11%	0.004%
359	18.622	18.597	18.657	VV	4245	82557	1.36%	0.045%
360	18.663	18.657	18.679	VV	1040	10477	0.17%	0.006%
361	18.689	18.679	18.737	VV	1139	20535	0.34%	0.011%

Sum of corrected areas: 182666636

Aromatic EPH 090424.M Fri Sep 20 03:17:02 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5ADL		SDG No.:	P4103	
Lab Sample ID:	P4103-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.8	
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
FE050237.D	5	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.8		2.11	5.56	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	52.3		1.34	3.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	48.4		1.67	5.56	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	4.21	J	4.45	7.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.3		10.0	11.1	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.37		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-04DL	Acq On:	20 Sep 2024 10:15
Client Sample ID:	WC-14-5-7.5ADL	Operator:	YP\AJ
Data file:	FE050237.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.158	6.776	3985972	29.035	300	ug/ml
Aliphatic C12-C16	6.777	10.209	19381293	140.917	200	ug/ml
Aliphatic C16-C21	10.210	13.569	17642904	130.481	300	ug/ml
Aliphatic C21-C28	13.570	17.223	1467047	11.338	400	ug/ml
Aliphatic C28-C40	17.224	22.077	5592547	46.567	600	ug/ml
Aliphatic EPH	3.158	22.077	48069763	358.338		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.303	13.303	715878	6.37		ug/ml
Aliphatic C9-C28	3.158	17.223	42477216	311.771	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050237.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 10:15
Operator : YP\AJ
Sample : P4103-04DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5ADL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:44:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.303	715878	6.373 ug/mlm
Spiked Amount 50.000		Recovery = 12.75%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050237.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 10:15
Operator : YP\AJ
Sample : P4103-04DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

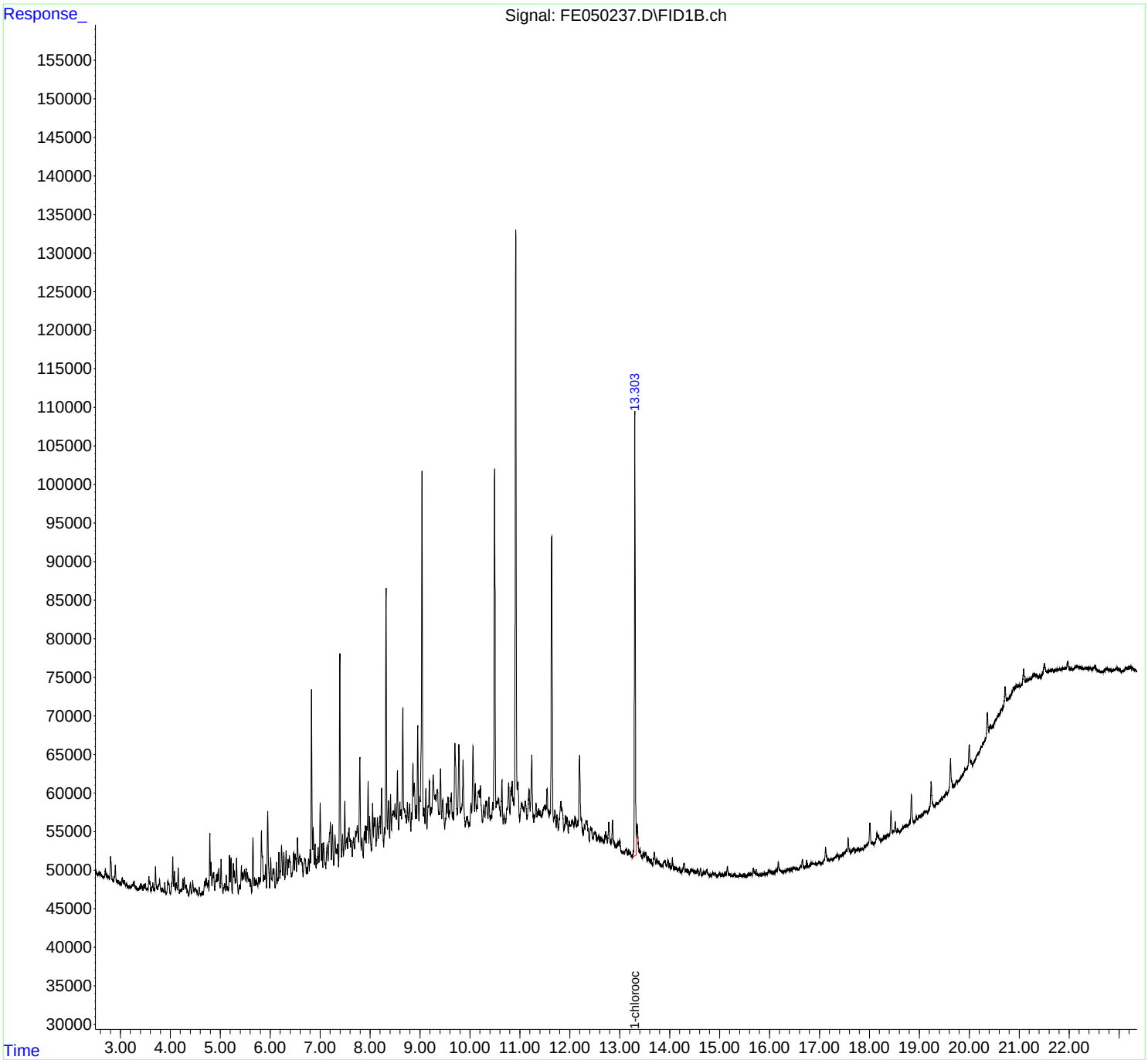
Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5ADL

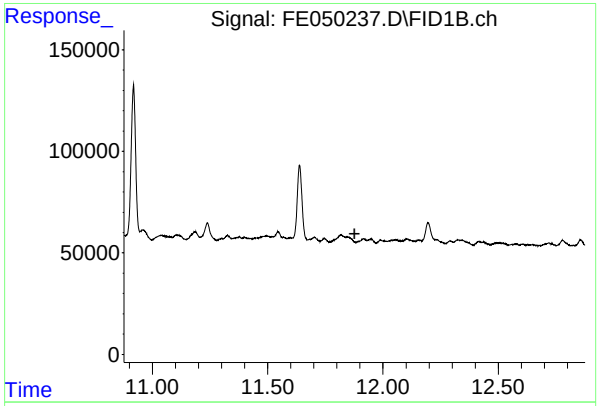
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:44:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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. : 11.876 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5ADL

Manual Integrations
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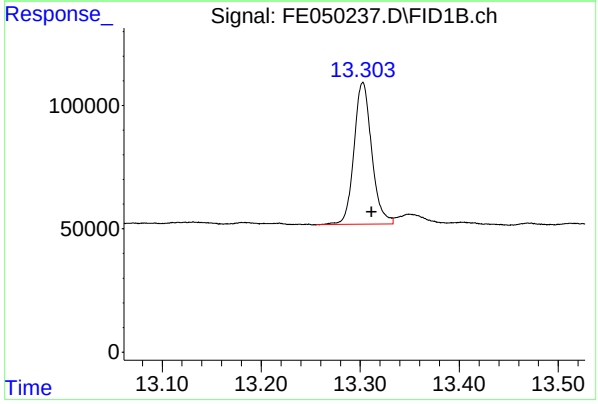
Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.009 min
Response: 715878
Conc: 6.37 ug/ml m

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5ADL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE09202
Data File : FE050237.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 10:15
Sample : P4103-04DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.126	3.104	3.166	BV	135	809	0.06%	0.002%
2	3.186	3.166	3.199	PV	119	1394	0.10%	0.003%
3	3.239	3.199	3.251	VV	437	6867	0.49%	0.014%
4	3.274	3.251	3.349	VV	948	19495	1.40%	0.040%
5	3.401	3.349	3.416	PV	787	11875	0.85%	0.024%
6	3.430	3.416	3.454	VV	646	8109	0.58%	0.017%
7	3.470	3.454	3.483	VV	806	8778	0.63%	0.018%
8	3.499	3.483	3.520	VV	929	12067	0.86%	0.025%
9	3.537	3.520	3.551	VV	258	4149	0.30%	0.008%
10	3.571	3.551	3.614	VV	1888	34467	2.47%	0.070%
11	3.649	3.614	3.680	VV	1130	21742	1.56%	0.044%
12	3.703	3.680	3.741	VV	3170	46007	3.30%	0.094%
13	3.785	3.741	3.819	VV	1665	39785	2.85%	0.081%
14	3.840	3.819	3.868	VV	537	10745	0.77%	0.022%
15	3.889	3.868	3.915	VV	1364	14727	1.06%	0.030%
16	3.952	3.915	4.003	PV	1678	38850	2.78%	0.079%
17	4.049	4.003	4.066	VV	4826	66921	4.80%	0.137%
18	4.082	4.066	4.102	VV	2957	37264	2.67%	0.076%
19	4.117	4.102	4.137	VV	1449	22220	1.59%	0.045%
20	4.159	4.137	4.181	VV	3421	43544	3.12%	0.089%
21	4.199	4.181	4.210	VV	607	7901	0.57%	0.016%
22	4.222	4.210	4.234	VV	714	8504	0.61%	0.017%
23	4.250	4.234	4.264	VV	2031	23190	1.66%	0.047%
24	4.279	4.264	4.296	VV	2332	30205	2.17%	0.062%
25	4.317	4.296	4.338	VV	1227	24212	1.74%	0.049%
26	4.345	4.338	4.364	VV	650	5300	0.38%	0.011%
27	4.401	4.364	4.428	PV	1677	26237	1.88%	0.054%
28	4.449	4.428	4.478	VV	1858	31183	2.24%	0.064%
29	4.505	4.478	4.556	VV	932	27853	2.00%	0.057%
30	4.579	4.556	4.602	PV	1011	13145	0.94%	0.027%
31	4.610	4.602	4.620	VV	178	1420	0.10%	0.003%
32	4.636	4.620	4.660	VV	411	5342	0.38%	0.011%
33	4.690	4.660	4.704	VV	1739	29934	2.15%	0.061%
34	4.719	4.704	4.745	VV	2177	39594	2.84%	0.081%
35	4.759	4.745	4.773	VV	1873	22113	1.59%	0.045%
36	4.792	4.773	4.806	VV	7975	82250	5.90%	0.168%

Instrument :
FID_E
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WC-14-5-7.5ADL

Manual IntegrationsAPPROVED

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rteres

37	4.815	4.806	4.833	VV	4192	46108	3.30%	0.094%
38	4.851	4.833	4.860	VV	2668	35005		
39	4.870	4.860	4.889	VV	2871	32811		
40	4.925	4.889	4.936	VV	2608	49033		
41	4.948	4.936	4.957	VV	2619	28641		
42	4.971	4.957	4.996	VV	3390	50015		
43	5.017	4.996	5.055	VV	4610	67512	4.84%	0.138%
44	5.087	5.055	5.104	VV	1400	25628	1.84%	0.052%
45	5.121	5.104	5.164	VV	2474	42468	3.04%	0.087%
46	5.185	5.164	5.200	VV	5025	57420	4.12%	0.117%
47	5.216	5.200	5.239	VV	4640	57228	4.10%	0.117%
48	5.261	5.239	5.275	VV	3949	48541	3.48%	0.099%
49	5.284	5.275	5.300	VV	2958	34271	2.46%	0.070%
50	5.327	5.300	5.361	VV	4547	75644	5.42%	0.155%
51	5.390	5.361	5.401	VV	1179	18392	1.32%	0.038%
52	5.424	5.401	5.438	VV	3673	48950	3.51%	0.100%
53	5.448	5.438	5.459	VV	2719	29772	2.13%	0.061%
54	5.486	5.459	5.501	VV	3108	60275	4.32%	0.123%
55	5.518	5.501	5.534	VV	3301	50243	3.60%	0.103%
56	5.548	5.534	5.574	VV	2655	49241	3.53%	0.101%
57	5.584	5.574	5.598	VV	1930	22888	1.64%	0.047%
58	5.610	5.598	5.631	VV	1752	20663	1.48%	0.042%
59	5.655	5.631	5.676	VV	7198	92491	6.63%	0.189%
60	5.688	5.676	5.704	VV	2059	26163	1.88%	0.053%
61	5.720	5.704	5.752	VV	1816	39065	2.80%	0.080%
62	5.773	5.752	5.785	VV	2063	29887	2.14%	0.061%
63	5.796	5.785	5.804	VV	1927	19308	1.38%	0.039%
64	5.825	5.804	5.864	VV	8054	160354	11.49%	0.328%
65	5.875	5.864	5.888	VV	2315	28062	2.01%	0.057%
66	5.908	5.888	5.925	VV	3674	51283	3.68%	0.105%
67	5.951	5.925	5.990	VV	10550	176764	12.67%	0.361%
68	6.011	5.990	6.040	VV	4563	75769	5.43%	0.155%
69	6.075	6.040	6.100	VV	3096	78503	5.63%	0.160%
70	6.124	6.100	6.141	VV	3912	51019	3.66%	0.104%
71	6.175	6.141	6.194	VV	5121	88109	6.32%	0.180%
72	6.228	6.194	6.252	VV	6082	130511	9.35%	0.267%
73	6.274	6.252	6.294	VV	5163	84505	6.06%	0.173%
74	6.319	6.294	6.343	VV	5371	101542	7.28%	0.207%
75	6.361	6.343	6.371	VV	4243	56817	4.07%	0.116%
76	6.385	6.371	6.431	VV	4751	124879	8.95%	0.255%
77	6.469	6.431	6.485	VV	5022	109154	7.82%	0.223%
78	6.501	6.485	6.528	VV	4941	100776	7.22%	0.206%
79	6.547	6.528	6.572	VV	6971	129077	9.25%	0.264%
80	6.597	6.572	6.611	VV	4663	100496	7.20%	0.205%
81	6.623	6.611	6.659	VV	4301	102946	7.38%	0.210%
82	6.692	6.659	6.724	VV	4363	134821	9.66%	0.275%
83	6.735	6.724	6.747	VV	3163	39375	2.82%	0.080%
84	6.770	6.747	6.784	VV	4216	76158	5.46%	0.156%
85	6.828	6.784	6.850	VV	26111	393687	28.22%	0.804%
86	6.862	6.850	6.886	VV	8245	125547	9.00%	0.257%
87	6.901	6.886	6.919	VV	6003	87359	6.26%	0.179%
88	6.936	6.919	6.945	VV	4189	56978	4.08%	0.116%
89	6.961	6.945	6.978	VV	5661	94261	6.76%	0.193%

Instrument :
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WC-14-5-7.5ADL

rteres

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90	7.002	6.978	7.027	VV	11373	200445	14.37%	0.410%
91	7.039	7.027	7.053	VV	6062	75458	5	
92	7.070	7.053	7.114	VV	6238	159667	11	
93	7.142	7.114	7.160	VV	5951	132180	9	
94	7.206	7.160	7.226	VV	8885	253387	18	
95	7.248	7.226	7.274	VV	8526	165291	11	
96	7.299	7.274	7.318	VV	7117	146730	10.52%	0.300%
97	7.328	7.318	7.339	VV	5324	64562	4.63%	0.132%
98	7.352	7.339	7.370	VV	6037	89898	6.44%	0.184%
99	7.395	7.370	7.431	VV	30745	447887	32.10%	0.915%
100	7.450	7.431	7.469	VV	7252	131661	9.44%	0.269%
101	7.495	7.469	7.514	VV	11546	200170	14.35%	0.409%
102	7.539	7.514	7.553	VV	6825	144723	10.37%	0.296%
103	7.580	7.553	7.613	VV	8024	246295	17.65%	0.503%
104	7.624	7.613	7.644	VV	6398	103155	7.39%	0.211%
105	7.670	7.644	7.694	VV	6761	175356	12.57%	0.358%
106	7.712	7.694	7.721	VV	7605	106683	7.65%	0.218%
107	7.745	7.721	7.769	VV	8351	216198	15.50%	0.442%
108	7.796	7.769	7.824	VV	17091	334948	24.01%	0.684%
109	7.839	7.824	7.864	VV	6722	138136	9.90%	0.282%
110	7.885	7.864	7.895	VV	7485	114747	8.22%	0.234%
111	7.908	7.895	7.923	VV	8272	117719	8.44%	0.241%
112	7.962	7.923	7.978	VV	13919	300185	21.52%	0.613%
113	7.992	7.978	8.027	VV	9435	208026	14.91%	0.425%
114	8.052	8.027	8.068	VV	11091	193189	13.85%	0.395%
115	8.084	8.068	8.094	VV	9259	128246	9.19%	0.262%
116	8.103	8.094	8.121	VV	9262	126641	9.08%	0.259%
117	8.150	8.121	8.168	VV	9319	207462	14.87%	0.424%
118	8.200	8.168	8.214	VV	9391	224009	16.06%	0.458%
119	8.232	8.214	8.274	VV	13053	327492	23.47%	0.669%
120	8.321	8.274	8.347	VV	38959	655085	46.96%	1.339%
121	8.370	8.347	8.393	VV	11411	250146	17.93%	0.511%
122	8.412	8.393	8.430	VV	12251	213046	15.27%	0.435%
123	8.466	8.430	8.487	VV	10032	319768	22.92%	0.653%
124	8.501	8.487	8.529	VV	10955	251254	18.01%	0.513%
125	8.549	8.529	8.572	VV	15245	285496	20.46%	0.583%
126	8.597	8.572	8.632	VV	11148	342411	24.54%	0.700%
127	8.657	8.632	8.730	VV	23313	712864	51.10%	1.457%
128	8.748	8.730	8.767	VV	11074	212051	15.20%	0.433%
129	8.793	8.767	8.818	VV	10947	291158	20.87%	0.595%
130	8.859	8.818	8.874	VV	16080	371710	26.64%	0.760%
131	8.888	8.874	8.911	VV	13502	267803	19.20%	0.547%
132	8.925	8.911	8.936	VV	10707	150309	10.77%	0.307%
133	8.956	8.936	8.980	VV	20973	362519	25.98%	0.741%
134	9.042	8.980	9.069	VV	53901	1079145	77.35%	2.205%
135	9.082	9.069	9.100	VV	10224	178997	12.83%	0.366%
136	9.118	9.100	9.141	VV	12814	246846	17.69%	0.504%
137	9.189	9.141	9.207	VV	13827	419343	30.06%	0.857%
138	9.220	9.207	9.234	VV	10254	163036	11.69%	0.333%
139	9.266	9.234	9.292	VV	14506	433747	31.09%	0.886%
140	9.307	9.292	9.322	VV	11883	209993	15.05%	0.429%
141	9.349	9.322	9.390	VV	12511	450212	32.27%	0.920%

Instrument :
FID_E
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WC-14-5-7.5ADL

Manual IntegrationsAPPROVED

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142	9.412	9.390	9.435	VV	15271	320110	22.94%	0.654%
143	9.458	9.435	9.496	VV	11233	352222	25	
144	9.532	9.496	9.544	VV	10752	267925	19	
145	9.562	9.544	9.580	VV	11678	224608	16	
146	9.630	9.580	9.648	VV	12197	434012	31	
147	9.657	9.648	9.673	VV	9618	135930	9	
148	9.701	9.673	9.754	VV	18538	620708	44.49%	1.268%
149	9.780	9.754	9.810	VV	18390	445837	31.96%	0.911%
150	9.864	9.810	9.909	VV	16343	645446	46.26%	1.319%
151	9.946	9.909	9.978	VV	9022	351156	25.17%	0.718%
152	9.987	9.978	9.997	VV	8040	91225	6.54%	0.186%
153	10.022	9.997	10.037	VV	10635	226656	16.25%	0.463%
154	10.063	10.037	10.093	VV	17793	449599	32.23%	0.919%
155	10.109	10.093	10.128	VV	13259	238384	17.09%	0.487%
156	10.187	10.128	10.198	VV	12410	472158	33.84%	0.965%
157	10.211	10.198	10.251	VV	12974	342987	24.58%	0.701%
158	10.280	10.251	10.299	VV	10318	268823	19.27%	0.549%
159	10.321	10.299	10.330	VV	10768	187861	13.47%	0.384%
160	10.338	10.330	10.364	VV	10852	200799	14.39%	0.410%
161	10.382	10.364	10.410	VV	11314	270113	19.36%	0.552%
162	10.456	10.410	10.466	VV	10776	317170	22.73%	0.648%
163	10.495	10.466	10.524	VV	53752	911935	65.37%	1.863%
164	10.574	10.524	10.621	VV	11181	599735	42.99%	1.226%
165	10.643	10.621	10.668	VV	13632	297754	21.34%	0.608%
166	10.685	10.668	10.714	VV	8966	236110	16.92%	0.482%
167	10.776	10.714	10.804	VV	13154	550879	39.49%	1.126%
168	10.826	10.804	10.833	VV	12511	198495	14.23%	0.406%
169	10.846	10.833	10.883	VV	13257	346150	24.81%	0.707%
170	10.918	10.883	10.948	VV	84312	1395128	100.00%	2.851%
171	10.959	10.948	10.997	VV	13167	333799	23.93%	0.682%
172	11.037	10.997	11.088	VV	10502	527290	37.80%	1.077%
173	11.107	11.088	11.146	VV	10610	345352	24.75%	0.706%
174	11.185	11.146	11.207	VV	12226	378950	27.16%	0.774%
175	11.238	11.207	11.281	VV	16649	505308	36.22%	1.033%
176	11.326	11.281	11.346	VV	10379	354770	25.43%	0.725%
177	11.377	11.346	11.389	VV	9773	238836	17.12%	0.488%
178	11.400	11.389	11.433	VV	9326	237704	17.04%	0.486%
179	11.495	11.433	11.514	VV	10070	463702	33.24%	0.948%
180	11.545	11.514	11.585	VV	12213	429529	30.79%	0.878%
181	11.638	11.585	11.675	VV	44981	973163	69.75%	1.989%
182	11.702	11.675	11.727	VV	9457	268277	19.23%	0.548%
183	11.745	11.727	11.768	VV	8830	192630	13.81%	0.394%
184	11.818	11.768	11.882	VV	10512	602352	43.18%	1.231%
185	11.916	11.882	11.932	VV	8669	230852	16.55%	0.472%
186	11.948	11.932	11.971	VV	8431	181682	13.02%	0.371%
187	11.989	11.971	12.021	VV	7826	221750	15.89%	0.453%
188	12.051	12.021	12.079	VV	8071	267242	19.16%	0.546%
189	12.103	12.079	12.137	VV	8590	274362	19.67%	0.561%
190	12.156	12.137	12.167	VV	7974	138553	9.93%	0.283%
191	12.196	12.167	12.271	VV	16465	593571	42.55%	1.213%
192	12.291	12.271	12.306	VV	7406	145211	10.41%	0.297%
193	12.326	12.306	12.394	VV	7890	372682	26.71%	0.762%
194	12.416	12.394	12.465	VV	7110	272089	19.50%	0.556%

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5ADL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

195	12.495	12.465	12.544	VV	6460	289581	20.76%	0.592%
196	12.576	12.544	12.591	VV	5982	158689	11	
197	12.606	12.591	12.618	VV	5717	90936	6	
198	12.629	12.618	12.679	VV	5533	196321	14	
199	12.719	12.679	12.752	VV	6409	246076	17	
200	12.780	12.752	12.833	VV	7599	289928	20	
201	12.857	12.833	12.916	VV	7874	280613	20.11%	0.573%
202	12.927	12.916	12.939	VV	4674	63971	4.59%	0.131%
203	12.968	12.939	12.987	VV	5059	135496	9.71%	0.277%
204	13.003	12.987	13.060	VV	5199	187874	13.47%	0.384%
205	13.071	13.060	13.099	VV	3745	84221	6.04%	0.172%
206	13.131	13.099	13.161	VV	4138	143139	10.26%	0.292%
207	13.183	13.161	13.206	VV	3866	98505	7.06%	0.201%
208	13.216	13.206	13.232	VV	3664	53064	3.80%	0.108%
209	13.244	13.232	13.255	VV	3187	42780	3.07%	0.087%
210	13.303	13.255	13.334	VV	60712	866561	62.11%	1.771%
211	13.350	13.334	13.389	VV	7230	184988	13.26%	0.378%
212	13.403	13.389	13.451	VV	4019	129196	9.26%	0.264%
213	13.470	13.451	13.498	VV	3610	89604	6.42%	0.183%
214	13.514	13.498	13.549	VV	3505	96502	6.92%	0.197%
215	13.569	13.549	13.617	VV	2916	107825	7.73%	0.220%
216	13.632	13.617	13.660	VV	2600	59294	4.25%	0.121%
217	13.692	13.660	13.724	VV	3490	102698	7.36%	0.210%
218	13.742	13.724	13.770	VV	2603	65077	4.66%	0.133%
219	13.781	13.770	13.821	VV	2309	63947	4.58%	0.131%
220	13.831	13.821	13.864	VV	1918	47190	3.38%	0.096%
221	13.906	13.864	13.938	VV	2444	94439	6.77%	0.193%
222	13.967	13.938	13.988	VV	2452	62723	4.50%	0.128%
223	14.003	13.988	14.031	VV	2037	42652	3.06%	0.087%
224	14.053	14.031	14.084	VV	2739	59818	4.29%	0.122%
225	14.110	14.084	14.128	VV	1496	37091	2.66%	0.076%
226	14.135	14.128	14.162	VV	1421	27148	1.95%	0.055%
227	14.199	14.162	14.244	VV	1433	55901	4.01%	0.114%
228	14.289	14.244	14.312	VV	1954	57120	4.09%	0.117%
229	14.356	14.312	14.397	VV	1116	48674	3.49%	0.099%
230	14.438	14.397	14.450	VV	1137	30958	2.22%	0.063%
231	14.461	14.450	14.478	VV	1152	17142	1.23%	0.035%
232	14.493	14.478	14.518	VV	968	20925	1.50%	0.043%
233	14.529	14.518	14.541	VV	932	11403	0.82%	0.023%
234	14.563	14.541	14.591	VV	1158	24317	1.74%	0.050%
235	14.616	14.591	14.642	VV	1286	24134	1.73%	0.049%
236	14.683	14.642	14.708	VV	835	24377	1.75%	0.050%
237	14.741	14.708	14.802	VV	1053	36144	2.59%	0.074%
238	14.814	14.802	14.824	VV	451	4329	0.31%	0.009%
239	14.866	14.824	14.881	VV	699	16088	1.15%	0.033%
240	14.908	14.881	14.950	VV	626	16734	1.20%	0.034%
241	14.998	14.950	15.024	VV	502	14419	1.03%	0.029%
242	15.067	15.024	15.093	VV	389	11545	0.83%	0.024%
243	15.112	15.093	15.131	VV	699	10249	0.73%	0.021%
244	15.155	15.131	15.188	VV	1374	26081	1.87%	0.053%
245	15.203	15.188	15.227	VV	467	8379	0.60%	0.017%
246	15.244	15.227	15.265	VV	275	4357	0.31%	0.009%

Instrument :
FID_E
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WC-14-5-7.5ADL

Manual IntegrationsAPPROVED

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rteres

247	15.303	15.265	15.334	VV	369	8771	0.63%	0.018%
248	15.337	15.334	15.361	VV	149	1838		
249	15.407	15.361	15.456	VV	290	8083		
250	15.485	15.456	15.535	VV	329	7292		
251	15.542	15.535	15.555	PV	159	1218		
252	15.577	15.555	15.611	VV	288	6523		
253	15.631	15.611	15.649	VV	315	5732	0.41%	0.012%
254	15.676	15.649	15.711	VV	991	20896	1.50%	0.043%
255	15.717	15.711	15.754	VV	456	8656	0.62%	0.018%
256	15.764	15.754	15.783	VV	256	2416	0.17%	0.005%
257	15.811	15.783	15.832	VV	213	3304	0.24%	0.007%
258	15.849	15.832	15.870	PV	184	2327	0.17%	0.005%
259	15.899	15.870	15.954	VV	237	8258	0.59%	0.017%
260	15.987	15.954	16.042	VV	555	17504	1.25%	0.036%
261	16.061	16.042	16.087	VV	256	4903	0.35%	0.010%
262	16.140	16.087	16.151	VV	441	9760	0.70%	0.020%
263	16.175	16.151	16.252	VV	1500	30157	2.16%	0.062%
264	16.307	16.252	16.324	VV	191	3193	0.23%	0.007%
265	16.376	16.324	16.398	VV	326	7826	0.56%	0.016%
266	16.408	16.398	16.432	VV	184	2801	0.20%	0.006%
267	16.504	16.432	16.571	VV	360	17488	1.25%	0.036%
268	16.621	16.571	16.633	PV	495	7746	0.56%	0.016%
269	16.657	16.633	16.685	VV	1144	19627	1.41%	0.040%
270	16.694	16.685	16.718	VV	270	3059	0.22%	0.006%
271	16.742	16.718	16.771	VV	981	13510	0.97%	0.028%
272	16.833	16.771	16.901	VV	540	23737	1.70%	0.049%
273	16.920	16.901	16.941	VV	354	6352	0.46%	0.013%
274	16.999	16.941	17.051	VV	419	15719	1.13%	0.032%
275	17.123	17.051	17.161	VV	2066	52151	3.74%	0.107%
276	17.175	17.161	17.196	VV	538	8427	0.60%	0.017%
277	17.217	17.196	17.253	VV	457	12420	0.89%	0.025%
278	17.364	17.253	17.398	VV	863	45679	3.27%	0.093%
279	17.505	17.398	17.514	VV	951	45490	3.26%	0.093%
280	17.536	17.514	17.549	VV	1193	20678	1.48%	0.042%
281	17.574	17.549	17.628	VV	2679	63610	4.56%	0.130%
282	17.686	17.628	17.724	VV	1205	52192	3.74%	0.107%
283	17.776	17.724	17.795	VV	1016	35997	2.58%	0.074%
284	17.859	17.795	17.879	VV	911	40505	2.90%	0.083%
285	17.899	17.879	17.911	VV	1069	17412	1.25%	0.036%
286	18.009	17.911	18.038	VV	3926	131770	9.45%	0.269%
287	18.051	18.038	18.064	VV	1342	20949	1.50%	0.043%
288	18.074	18.064	18.091	VV	1296	19666	1.41%	0.040%
289	18.150	18.091	18.168	VV	2460	77560	5.56%	0.158%
290	18.176	18.168	18.231	VV	2005	62868	4.51%	0.128%
291	18.249	18.231	18.259	VV	1421	23607	1.69%	0.048%
292	18.286	18.259	18.298	VV	1738	36268	2.60%	0.074%
293	18.375	18.298	18.393	VV	1963	99913	7.16%	0.204%
294	18.432	18.393	18.460	VV	4828	116635	8.36%	0.238%
295	18.517	18.460	18.541	VV	3398	118687	8.51%	0.243%
296	18.578	18.541	18.611	VV	2140	86491	6.20%	0.177%
297	18.721	18.611	18.734	VV	2603	172412	12.36%	0.352%
298	18.737	18.734	18.760	VV	2577	39190	2.81%	0.080%
299	18.841	18.760	18.905	VV	6415	292391	20.96%	0.597%

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5ADL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

300	18.939	18.905	18.959	VV	3506	100343	7.19%	0.205%
301	18.991	18.959	19.008	VV	3535	96993	6	
302	19.044	19.008	19.054	VV	3430	93623	6	
303	19.100	19.054	19.121	VV	3787	145289	10	
304	19.144	19.121	19.157	VV	3829	82496	5	
305	19.237	19.157	19.295	VV	7453	390550	27	
306	19.305	19.295	19.314	VV	4233	48474	3.47%	0.099%
307	19.340	19.314	19.351	VV	4634	98122	7.03%	0.201%
308	19.365	19.351	19.377	VV	4636	70114	5.03%	0.143%
309	19.444	19.377	19.458	VV	5030	231629	16.60%	0.473%
310	19.482	19.458	19.504	VV	5283	144265	10.34%	0.295%
311	19.526	19.504	19.534	VV	5531	95562	6.85%	0.195%
312	19.624	19.534	19.679	VV	9888	577377	41.39%	1.180%
313	19.747	19.679	19.762	VV	6911	325260	23.31%	0.665%
314	19.872	19.762	19.880	VV	7547	497992	35.70%	1.018%
315	19.999	19.880	20.024	VV	11150	750385	53.79%	1.533%
316	20.043	20.024	20.067	VV	8989	224103	16.06%	0.458%

Sum of corrected areas: 48937129

Aliphatic EPH 091024.M Sat Sep 21 05:49:03 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5ADL		SDG No.:	P4103	
Lab Sample ID:	P4103-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.8	
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
FG014300.D	2	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32		0.67	1.48	mg/kg
Aromatic C12-C16	Aromatic C12-C16	27.3		0.76	2.23	mg/kg
Aromatic C16-C21	Aromatic C16-C21	59.8		2.14	3.71	mg/kg
Aromatic C21-C36	Aromatic C21-C36	7.90		4.45	5.94	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	25.7		40 - 140	103%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	22.4		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	14.3		40 - 140	57%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-04DL	Acq On:	20 Sep 2024 10:38
Client Sample ID:	WC-14-5-7.5ADL	Operator:	YP\AJ
Data file:	FG014300.D	Misc:	
Instrument:	FID_G	ALS Vial:	13
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.374	6.243	2847530	22.344	200	ug/ml
Aromatic C12-C16	6.244	8.941	24297764	184.154	300	ug/ml
Aromatic C16-C21	8.942	13.263	52365479	402.976	500	ug/ml
Aromatic C21-C36	13.264	18.721	6712602	53.234	800	ug/ml
Aromatic EPH	4.374	18.721	86223375	662.708		ug/ml
2-Bromonaphthalene (SURR)	7.871	7.871	2878012	25.72		ug/ml
2-Flurobiphenyl (SURR)	8.743	8.743	1630014	22.39		ug/ml
ortho-Terphenyl (SURR)	11.812	11.812	1925595	14.29		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014300.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:38
Operator : YP\AJ
Sample : P4103-04DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5ADL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:13:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.871	2878012	25.724 ug/ml
Spiked Amount 50.000		Recovery =	51.45%
6) S 2-Flurobiphenyl (SURR)	8.743	1630014	22.388 ug/mlm
Spiked Amount 50.000	Range 0 - 131	Recovery =	44.78%
11) S ortho-Terphenyl (SURR)	11.812	1925595	14.285 ug/mlm
Spiked Amount 50.000		Recovery =	28.57%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014300.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:38
Operator : YP\AJ
Sample : P4103-04DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

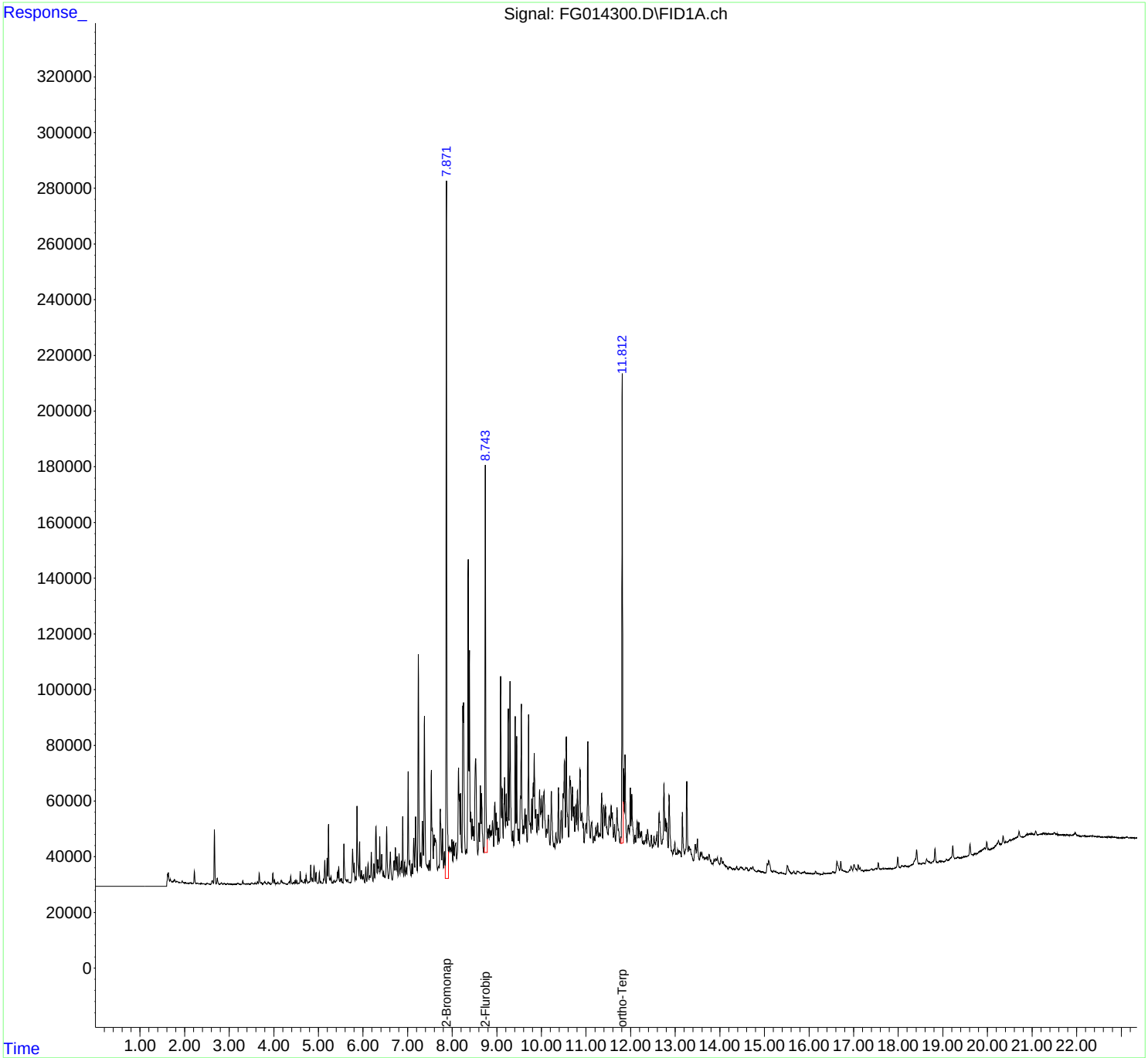
Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5ADL

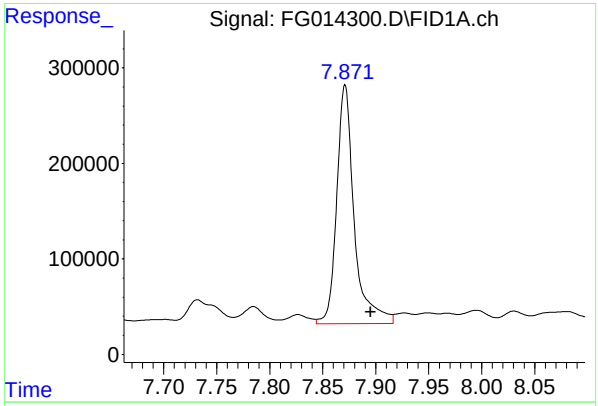
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:13:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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





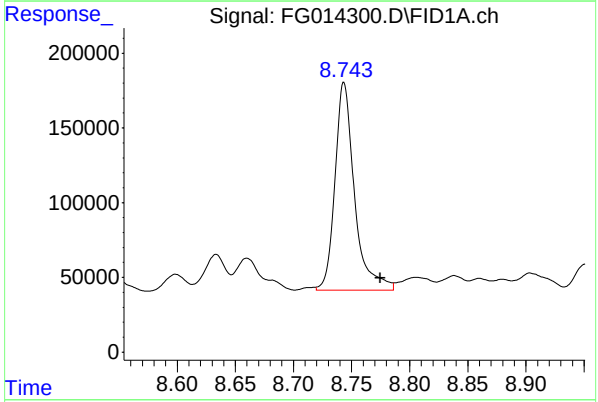
#4 2-Bromonaphthalene (SURR)

R.T.: 7.871 min
Delta R.T.: -0.024 min
Response: 2878012
Conc: 25.72 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5ADL

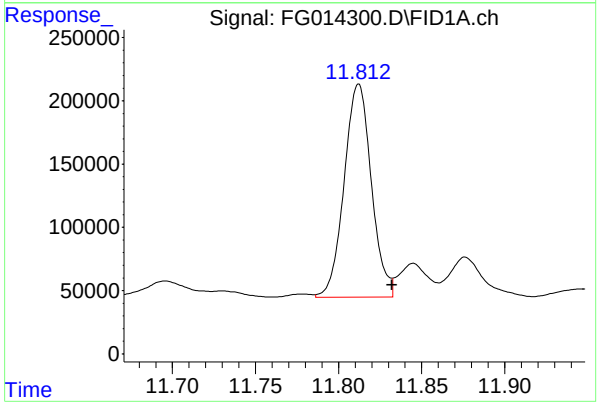
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.743 min
Delta R.T.: -0.032 min
Response: 1630014
Conc: 22.39 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.812 min
Delta R.T.: -0.020 min
Response: 1925595
Conc: 14.29 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5ADL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09202
Data File : FG014300.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:38
Sample : P4103-04DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.349	4.297	4.362	PV	1120	19346	0.66%	0.021%
2	4.379	4.362	4.418	VV	2914	37359	1.28%	0.041%
3	4.442	4.418	4.463	VV	754	12917	0.44%	0.014%
4	4.478	4.463	4.496	VV	1376	14816	0.51%	0.016%
5	4.516	4.496	4.536	VV	1400	16306	0.56%	0.018%
6	4.551	4.536	4.562	VV	438	5035	0.17%	0.005%
7	4.594	4.562	4.614	VV	4700	55922	1.91%	0.061%
8	4.629	4.614	4.676	VV	1470	31308	1.07%	0.034%
9	4.694	4.676	4.709	VV	1748	19480	0.67%	0.021%
10	4.726	4.709	4.765	VV	3336	46773	1.60%	0.051%
11	4.829	4.765	4.848	VV	6863	94786	3.24%	0.103%
12	4.859	4.848	4.877	VV	2125	26602	0.91%	0.029%
13	4.903	4.877	4.927	VV	6449	100026	3.42%	0.109%
14	4.948	4.927	4.987	VV	4118	60721	2.08%	0.066%
15	5.022	4.987	5.041	VV	4183	46665	1.60%	0.051%
16	5.054	5.041	5.095	VV	824	13004	0.44%	0.014%
17	5.144	5.095	5.174	VV	8506	118042	4.03%	0.129%
18	5.196	5.174	5.210	VV	9261	94968	3.25%	0.104%
19	5.227	5.210	5.251	VV	21358	229710	7.85%	0.251%
20	5.261	5.251	5.271	VV	1882	19584	0.67%	0.021%
21	5.284	5.271	5.305	VV	2695	30016	1.03%	0.033%
22	5.322	5.305	5.335	VV	531	6113	0.21%	0.007%
23	5.353	5.335	5.373	VV	1237	17983	0.61%	0.020%
24	5.431	5.373	5.443	VV	4220	70672	2.42%	0.077%
25	5.457	5.443	5.483	VV	6170	70447	2.41%	0.077%
26	5.499	5.483	5.508	VV	1673	18892	0.65%	0.021%
27	5.518	5.508	5.535	VV	1771	17702	0.61%	0.019%
28	5.542	5.535	5.553	VV	427	3725	0.13%	0.004%
29	5.573	5.553	5.615	VV	14120	189790	6.49%	0.207%
30	5.623	5.615	5.637	VV	1365	13936	0.48%	0.015%
31	5.661	5.637	5.698	VV	1446	27188	0.93%	0.030%
32	5.709	5.698	5.719	VV	363	3116	0.11%	0.003%
33	5.768	5.719	5.791	VV	12405	197599	6.75%	0.216%
34	5.803	5.791	5.822	VV	7332	78807	2.69%	0.086%
35	5.835	5.822	5.848	VV	2158	26039	0.89%	0.028%
36	5.867	5.848	5.908	VV	27697	385394	13.17%	0.420%

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37	5.924	5.908	5.948	VV	14880	162482	5.55%	0.177%
38	5.966	5.948	5.981	VV	4602	59146	[illegible]	
39	5.990	5.981	5.999	VV	2249	20197	[illegible]	
40	6.012	5.999	6.040	VV	2984	39409	[illegible]	
41	6.063	6.040	6.086	VV	5810	65808	[illegible]	
42	6.115	6.086	6.135	VV	7054	106038	[illegible]	
43	6.147	6.135	6.161	VV	2588	33136	1.13%	0.036%
44	6.187	6.161	6.225	VV	11032	159871	5.46%	0.174%
45	6.244	6.225	6.266	VV	6973	86370	2.95%	0.094%
46	6.291	6.266	6.318	VV	20151	331804	11.34%	0.362%
47	6.333	6.318	6.361	VV	8409	151293	5.17%	0.165%
48	6.377	6.361	6.395	VV	16589	187952	6.42%	0.205%
49	6.422	6.395	6.450	VV	10234	185154	6.33%	0.202%
50	6.463	6.450	6.496	VV	4048	75699	2.59%	0.083%
51	6.532	6.496	6.572	VV	20096	327413	11.19%	0.357%
52	6.614	6.572	6.658	VV	11055	227916	7.79%	0.249%
53	6.696	6.658	6.709	VV	7802	137935	4.71%	0.150%
54	6.728	6.709	6.745	VV	12512	179618	6.14%	0.196%
55	6.763	6.745	6.788	VV	9315	158847	5.43%	0.173%
56	6.810	6.788	6.829	VV	10417	148614	5.08%	0.162%
57	6.861	6.829	6.874	VV	7516	143683	4.91%	0.157%
58	6.892	6.874	6.914	VV	23673	259739	8.88%	0.283%
59	6.933	6.914	6.950	VV	7325	98185	3.36%	0.107%
60	6.969	6.950	6.982	VV	5188	78023	2.67%	0.085%
61	7.013	6.982	7.036	VV	39737	509128	17.40%	0.555%
62	7.048	7.036	7.081	VV	7618	139489	4.77%	0.152%
63	7.098	7.081	7.114	VV	6701	88981	3.04%	0.097%
64	7.139	7.114	7.160	VV	15763	260185	8.89%	0.284%
65	7.180	7.160	7.217	VV	23469	425152	14.53%	0.464%
66	7.242	7.217	7.280	VV	81353	1132258	38.70%	1.235%
67	7.294	7.280	7.310	VV	10604	140179	4.79%	0.153%
68	7.334	7.310	7.356	VV	21822	392243	13.41%	0.428%
69	7.378	7.356	7.446	VV	59463	1018643	34.82%	1.111%
70	7.456	7.446	7.471	VV	5914	77453	2.65%	0.085%
71	7.488	7.471	7.506	VV	7658	121234	4.14%	0.132%
72	7.532	7.506	7.577	VV	39972	783153	26.77%	0.854%
73	7.593	7.577	7.602	VV	16821	198695	6.79%	0.217%
74	7.612	7.602	7.622	VV	15754	174924	5.98%	0.191%
75	7.629	7.622	7.672	VV	15063	319982	10.94%	0.349%
76	7.701	7.672	7.711	VV	5569	117186	4.01%	0.128%
77	7.732	7.711	7.766	VV	26054	527289	18.02%	0.575%
78	7.785	7.766	7.808	VV	19099	291672	9.97%	0.318%
79	7.827	7.808	7.844	VV	10783	162490	5.55%	0.177%
80	7.871	7.844	7.916	VV	251471	2925536	100.00%	3.192%
81	7.927	7.916	7.937	VV	12309	146234	5.00%	0.160%
82	7.949	7.937	7.960	VV	12328	155770	5.32%	0.170%
83	7.967	7.960	7.978	VV	12142	124512	4.26%	0.136%
84	7.995	7.978	8.014	VV	15093	263304	9.00%	0.287%
85	8.031	8.014	8.047	VV	14249	214934	7.35%	0.234%
86	8.080	8.047	8.101	VV	13683	382017	13.06%	0.417%
87	8.143	8.101	8.178	VV	40418	1051473	35.94%	1.147%
88	8.190	8.178	8.218	VV	31519	461769	15.78%	0.504%
89	8.254	8.218	8.303	VV	64361	1674111	57.22%	1.826%

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90	8.318	8.303	8.330	VV	11424	170211	5.82%	0.186%
91	8.359	8.330	8.375	VV	115521	1524828	52	
92	8.387	8.375	8.408	VV	82668	1005293	34	
93	8.418	8.408	8.437	VV	24857	361179	12	
94	8.451	8.437	8.463	VV	22367	291565	9	
95	8.475	8.463	8.493	VV	19658	315785	10	
96	8.526	8.493	8.576	VV	43753	1307749	44.70%	1.427%
97	8.599	8.576	8.613	VV	20776	347337	11.87%	0.379%
98	8.633	8.613	8.647	VV	34229	497336	17.00%	0.543%
99	8.660	8.647	8.701	VV	31476	657263	22.47%	0.717%
100	8.744	8.701	8.787	VV	149432	2164347	73.98%	2.361%
101	8.806	8.787	8.823	VV	18701	370227	12.65%	0.404%
102	8.839	8.823	8.851	VV	19852	299729	10.25%	0.327%
103	8.860	8.851	8.871	VV	18029	201373	6.88%	0.220%
104	8.880	8.871	8.888	VV	17375	170843	5.84%	0.186%
105	8.904	8.888	8.933	VV	21395	479994	16.41%	0.524%
106	8.957	8.933	8.975	VV	28116	565630	19.33%	0.617%
107	8.988	8.975	9.000	VV	24251	303602	10.38%	0.331%
108	9.008	9.000	9.024	VV	21111	259627	8.87%	0.283%
109	9.037	9.024	9.053	VV	18804	280475	9.59%	0.306%
110	9.086	9.053	9.107	VV	73249	1148124	39.24%	1.253%
111	9.120	9.107	9.143	VV	33009	542754	18.55%	0.592%
112	9.175	9.143	9.196	VV	37019	826355	28.25%	0.902%
113	9.212	9.196	9.239	VV	31174	618489	21.14%	0.675%
114	9.257	9.239	9.275	VV	61551	808216	27.63%	0.882%
115	9.298	9.275	9.345	VV	71439	1390997	47.55%	1.518%
116	9.361	9.345	9.382	VV	17635	347280	11.87%	0.379%
117	9.414	9.382	9.430	VV	58785	884104	30.22%	0.965%
118	9.445	9.430	9.483	VV	51468	874756	29.90%	0.954%
119	9.496	9.483	9.510	VV	18297	267955	9.16%	0.292%
120	9.551	9.510	9.588	VV	63420	1425720	48.73%	1.555%
121	9.600	9.588	9.612	VV	19481	268682	9.18%	0.293%
122	9.631	9.612	9.646	VV	25538	435609	14.89%	0.475%
123	9.658	9.646	9.681	VV	23424	390395	13.34%	0.426%
124	9.712	9.681	9.767	VV	59371	1372475	46.91%	1.497%
125	9.785	9.767	9.801	VV	29169	461451	15.77%	0.503%
126	9.818	9.801	9.826	VV	34687	441146	15.08%	0.481%
127	9.841	9.826	9.863	VV	45520	731670	25.01%	0.798%
128	9.875	9.863	9.901	VV	25169	497737	17.01%	0.543%
129	9.920	9.901	9.941	VV	23517	489851	16.74%	0.534%
130	9.961	9.941	9.986	VV	32228	712874	24.37%	0.778%
131	10.011	9.986	10.028	VV	30322	625166	21.37%	0.682%
132	10.059	10.028	10.103	VV	31849	1091018	37.29%	1.190%
133	10.120	10.103	10.134	VV	18050	323784	11.07%	0.353%
134	10.156	10.134	10.191	VV	23269	621013	21.23%	0.678%
135	10.224	10.191	10.273	VV	31703	950245	32.48%	1.037%
136	10.285	10.273	10.305	VV	12867	230078	7.86%	0.251%
137	10.326	10.305	10.353	VV	16716	410030	14.02%	0.447%
138	10.382	10.353	10.418	VV	33008	736410	25.17%	0.803%
139	10.445	10.418	10.466	VV	24615	563428	19.26%	0.615%
140	10.516	10.466	10.540	VV	42590	1272850	43.51%	1.389%
141	10.558	10.540	10.611	VV	51140	1209662	41.35%	1.320%

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142	10.637	10.611	10.645	VV	37016	573701	19.61%	0.626%
143	10.652	10.645	10.675	VV	35487	540666	18	
144	10.695	10.675	10.717	VV	33167	672843	23	
145	10.731	10.717	10.748	VV	26063	414438	14	
146	10.771	10.748	10.788	VV	26533	531571	18	
147	10.806	10.788	10.825	VV	31803	546780	18	
148	10.867	10.825	10.888	VV	39293	1067393	36.49%	1.165%
149	10.909	10.888	10.930	VV	23683	554373	18.95%	0.605%
150	10.938	10.930	10.958	VV	20116	288067	9.85%	0.314%
151	11.001	10.958	11.018	VV	19896	621036	21.23%	0.678%
152	11.040	11.018	11.098	VV	49216	1244689	42.55%	1.358%
153	11.128	11.098	11.159	VV	20315	634219	21.68%	0.692%
154	11.180	11.159	11.199	VV	15242	338846	11.58%	0.370%
155	11.221	11.199	11.240	VV	18423	397174	13.58%	0.433%
156	11.261	11.240	11.283	VV	19995	447876	15.31%	0.489%
157	11.293	11.283	11.306	VV	16173	217612	7.44%	0.237%
158	11.351	11.306	11.373	VV	30529	817224	27.93%	0.892%
159	11.398	11.373	11.420	VV	26428	631595	21.59%	0.689%
160	11.437	11.420	11.498	VV	25920	915942	31.31%	0.999%
161	11.523	11.498	11.547	VV	22503	599757	20.50%	0.654%
162	11.564	11.547	11.579	VV	26123	444214	15.18%	0.485%
163	11.591	11.579	11.618	VV	23634	455770	15.58%	0.497%
164	11.637	11.618	11.661	VV	19391	424566	14.51%	0.463%
165	11.696	11.661	11.761	VV	25417	1056599	36.12%	1.153%
166	11.812	11.761	11.833	VV	181100	2489683	85.10%	2.716%
167	11.845	11.833	11.860	VV	39342	523005	17.88%	0.571%
168	11.876	11.860	11.917	VV	44321	884187	30.22%	0.965%
169	11.947	11.917	11.973	VV	19088	564233	19.29%	0.616%
170	11.994	11.973	12.010	VV	32341	530116	18.12%	0.578%
171	12.026	12.010	12.076	VV	30065	812088	27.76%	0.886%
172	12.098	12.076	12.116	VV	15395	335621	11.47%	0.366%
173	12.148	12.116	12.168	VV	20286	529082	18.08%	0.577%
174	12.186	12.168	12.208	VV	19873	396709	13.56%	0.433%
175	12.224	12.208	12.234	VV	16386	246174	8.41%	0.269%
176	12.246	12.234	12.271	VV	16702	319519	10.92%	0.349%
177	12.284	12.271	12.298	VV	13257	204484	6.99%	0.223%
178	12.346	12.298	12.361	VV	15512	509479	17.41%	0.556%
179	12.382	12.361	12.431	VV	17218	592068	20.24%	0.646%
180	12.463	12.431	12.485	VV	15306	411293	14.06%	0.449%
181	12.525	12.485	12.558	VV	14923	541431	18.51%	0.591%
182	12.591	12.558	12.615	VV	16556	465582	15.91%	0.508%
183	12.639	12.615	12.700	VV	23204	833488	28.49%	0.909%
184	12.747	12.700	12.769	VV	33612	811346	27.73%	0.885%
185	12.784	12.769	12.800	VV	21137	352424	12.05%	0.384%
186	12.812	12.800	12.841	VV	19482	388912	13.29%	0.424%
187	12.863	12.841	12.946	VV	29347	931942	31.86%	1.017%
188	12.991	12.946	13.016	VV	12608	419184	14.33%	0.457%
189	13.026	13.016	13.041	VV	8618	126699	4.33%	0.138%
190	13.057	13.041	13.076	VV	9994	194655	6.65%	0.212%
191	13.088	13.076	13.135	VV	9527	310803	10.62%	0.339%
192	13.160	13.135	13.210	VV	23311	575113	19.66%	0.627%
193	13.259	13.210	13.288	VV	34405	739233	25.27%	0.807%
194	13.310	13.288	13.409	VV	10908	632347	21.61%	0.690%

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195	13.447	13.409	13.471	VV	11614	336277	11.49%	0.367%
196	13.496	13.471	13.542	VV	13681	398677	13	
197	13.562	13.542	13.576	VV	9018	160013	5	
198	13.593	13.576	13.618	VV	8909	201111	6	
199	13.633	13.618	13.653	VV	7192	142710	4	
200	13.671	13.653	13.696	VV	6850	171410	5	
201	13.713	13.696	13.732	VV	7148	142931	4.89%	0.156%
202	13.759	13.732	13.816	VV	7937	322400	11.02%	0.352%
203	13.833	13.816	13.845	VV	4899	79861	2.73%	0.087%
204	13.870	13.845	13.886	VV	6196	136897	4.68%	0.149%
205	13.906	13.886	13.921	VV	6459	126613	4.33%	0.138%
206	13.943	13.921	14.003	VV	6708	265152	9.06%	0.289%
207	14.027	14.003	14.058	VV	6743	187255	6.40%	0.204%
208	14.073	14.058	14.096	VV	5401	111444	3.81%	0.122%
209	14.104	14.096	14.152	VV	4257	126683	4.33%	0.138%
210	14.159	14.152	14.187	VV	3551	65103	2.23%	0.071%
211	14.224	14.187	14.284	VV	3346	173658	5.94%	0.189%
212	14.315	14.284	14.333	VV	2770	75685	2.59%	0.083%
213	14.376	14.333	14.433	VV	3577	162218	5.54%	0.177%
214	14.483	14.433	14.546	VV	3228	188399	6.44%	0.206%
215	14.580	14.546	14.647	VV	3094	151754	5.19%	0.166%
216	14.693	14.647	14.716	VV	2955	102948	3.52%	0.112%
217	14.738	14.716	14.806	VV	3335	126611	4.33%	0.138%
218	14.823	14.806	14.836	VV	1609	27760	0.95%	0.030%
219	14.864	14.836	14.882	VV	1930	47613	1.63%	0.052%
220	14.892	14.882	14.944	VV	1690	53103	1.82%	0.058%
221	14.964	14.944	15.001	VV	1477	41375	1.41%	0.045%
222	15.012	15.001	15.028	VV	1062	15870	0.54%	0.017%
223	15.063	15.028	15.075	VV	4292	78246	2.67%	0.085%
224	15.096	15.075	15.186	VV	5339	203416	6.95%	0.222%
225	15.208	15.186	15.230	VV	1804	39559	1.35%	0.043%
226	15.238	15.230	15.281	VV	1542	40115	1.37%	0.044%
227	15.289	15.281	15.314	VV	1119	18867	0.64%	0.021%
228	15.361	15.314	15.476	VV	1004	69534	2.38%	0.076%
229	15.514	15.476	15.611	VV	3378	130723	4.47%	0.143%
230	15.658	15.611	15.685	VV	1424	39490	1.35%	0.043%
231	15.693	15.685	15.709	VV	633	8087	0.28%	0.009%
232	15.752	15.709	15.816	VV	1351	60084	2.05%	0.066%
233	15.900	15.816	15.950	VV	1011	61046	2.09%	0.067%
234	15.962	15.950	15.982	VV	616	10927	0.37%	0.012%
235	15.992	15.982	16.009	VV	585	7933	0.27%	0.009%
236	16.021	16.009	16.030	VV	453	5214	0.18%	0.006%
237	16.043	16.030	16.056	VV	432	6616	0.23%	0.007%
238	16.066	16.056	16.093	VV	400	7838	0.27%	0.009%
239	16.108	16.093	16.125	VV	530	7613	0.26%	0.008%
240	16.145	16.125	16.255	VV	1194	38409	1.31%	0.042%
241	16.275	16.255	16.293	PV	115	1376	0.05%	0.002%
242	16.326	16.293	16.366	PV	601	11110	0.38%	0.012%
243	16.392	16.366	16.403	VV	304	4831	0.17%	0.005%
244	16.429	16.403	16.470	VV	370	9993	0.34%	0.011%
245	16.479	16.470	16.493	VV	290	2939	0.10%	0.003%
246	16.533	16.493	16.578	VV	832	22412	0.77%	0.024%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5ADL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

247	16.625	16.578	16.686	VV	4296	133704	4.57%	0.146%
248	16.710	16.686	16.738	VV	4265	70445		
249	16.745	16.738	16.842	VV	1037	37457		
250	16.849	16.842	16.861	VV	297	2473		
251	16.906	16.861	16.918	VV	969	15887		
252	16.940	16.918	16.976	VV	2256	50371		
253	17.007	16.976	17.074	VV	2692	88068	3.01%	0.096%
254	17.100	17.074	17.126	VV	2455	47001	1.61%	0.051%
255	17.144	17.126	17.230	VV	1382	33763	1.15%	0.037%
256	17.249	17.230	17.286	VV	417	8114	0.28%	0.009%
257	17.290	17.286	17.309	VV	294	2317	0.08%	0.003%
258	17.323	17.309	17.340	VV	245	3083	0.11%	0.003%
259	17.403	17.340	17.454	VV	724	26726	0.91%	0.029%
260	17.497	17.454	17.525	VV	738	22337	0.76%	0.024%
261	17.551	17.525	17.601	VV	2669	47069	1.61%	0.051%
262	17.653	17.601	17.686	VV	549	18551	0.63%	0.020%
263	17.704	17.686	17.741	VV	490	11042	0.38%	0.012%
264	17.762	17.741	17.786	VV	369	6041	0.21%	0.007%
265	17.799	17.786	17.851	VV	266	7026	0.24%	0.008%
266	17.881	17.851	17.890	PV	176	3121	0.11%	0.003%
267	17.988	17.890	18.035	VV	3972	79910	2.73%	0.087%
268	18.079	18.035	18.130	VV	884	26540	0.91%	0.029%
269	18.155	18.130	18.193	VV	678	15168	0.52%	0.017%
270	18.204	18.193	18.250	VV	244	4436	0.15%	0.005%
271	18.411	18.250	18.465	PV	5515	199876	6.83%	0.218%
272	18.480	18.465	18.498	VV	681	10204	0.35%	0.011%
273	18.506	18.498	18.521	VV	431	4824	0.16%	0.005%
274	18.558	18.521	18.601	VV	610	18461	0.63%	0.020%
275	18.634	18.601	18.736	VV	1696	58331	1.99%	0.064%

Sum of corrected areas: 91657933

Aromatic EPH 090424.M Sat Sep 21 05:31:15 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	09/17/24
Project:	North Point			Date Received:	09/18/24
Client Sample ID:	WC-14-5-7.5B			SDG No.:	P4103
Lab Sample ID:	P4103-07			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	90.1
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/19/24 12:25	09/19/24 22:10	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.7		1	0.42	1.11	mg/kg	FE050219.D
Aliphatic C12-C16	Aliphatic C12-C16	59.5		5	1.33	3.69	mg/kg	FE050238.D
Aliphatic C16-C21	Aliphatic C16-C21	48.8		5	1.66	5.54	mg/kg	FE050238.D
Aliphatic C21-C28	Aliphatic C21-C28	4.96		1	0.89	1.48	mg/kg	FE050219.D
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1	1.99	2.22	mg/kg	FE050219.D
Aromatic C10-C12	Aromatic C10-C12	2.17		1	0.33	0.74	mg/kg	FG014283.D
Aromatic C12-C16	Aromatic C12-C16	21.1		1	0.38	1.11	mg/kg	FG014283.D
Aromatic C16-C21	Aromatic C16-C21	53.5		5	5.32	9.23	mg/kg	FG014302.D
Aromatic C21-C36	Aromatic C21-C36	6.32		1	2.22	2.95	mg/kg	FG014283.D
Total AliphaticEPH	Total AliphaticEPH	141			6.29	14.0	mg/kg	
Total AromaticEPH	Total AromaticEPH	83.1			8.25	14.0	mg/kg	
Total EPH	Total EPH	224			14.5	28.1	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:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5B		SDG No.:	P4103	
Lab Sample ID:	P4103-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.1	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050219.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.7		0.42	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	54.9	E	0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	49.3	E	0.33	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	4.96		0.89	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		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:	P4103-07	Acq On:	19 Sep 2024 22:10
Client Sample ID:	WC-14-5-7.5B	Operator:	YP\AJ
Data file:	FE050219.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.159	6.778	19805031	144.267	300	ug/ml
Aliphatic C12-C16	6.779	10.211	102198180	743.058	200	ug/ml
Aliphatic C16-C21	10.212	13.571	90218010	667.221	300	ug/ml
Aliphatic C21-C28	13.572	17.227	8685379	67.126	400	ug/ml
Aliphatic C28-C40	17.228	22.082	27794812	231.436	600	ug/ml
Aliphatic EPH	3.159	22.082	248701412	1850		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	3041020	27.07		ug/ml
Aliphatic C9-C28	3.159	17.227	220906600	1620	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050219.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 22:10
Operator : YP\AJ
Sample : P4103-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5B

Integration File: autoint1.e
Quant Time: Sep 20 01:37:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.306	3041020	27.073 ug/ml
Spiked Amount 50.000		Recovery = 54.15%	
Target Compounds			

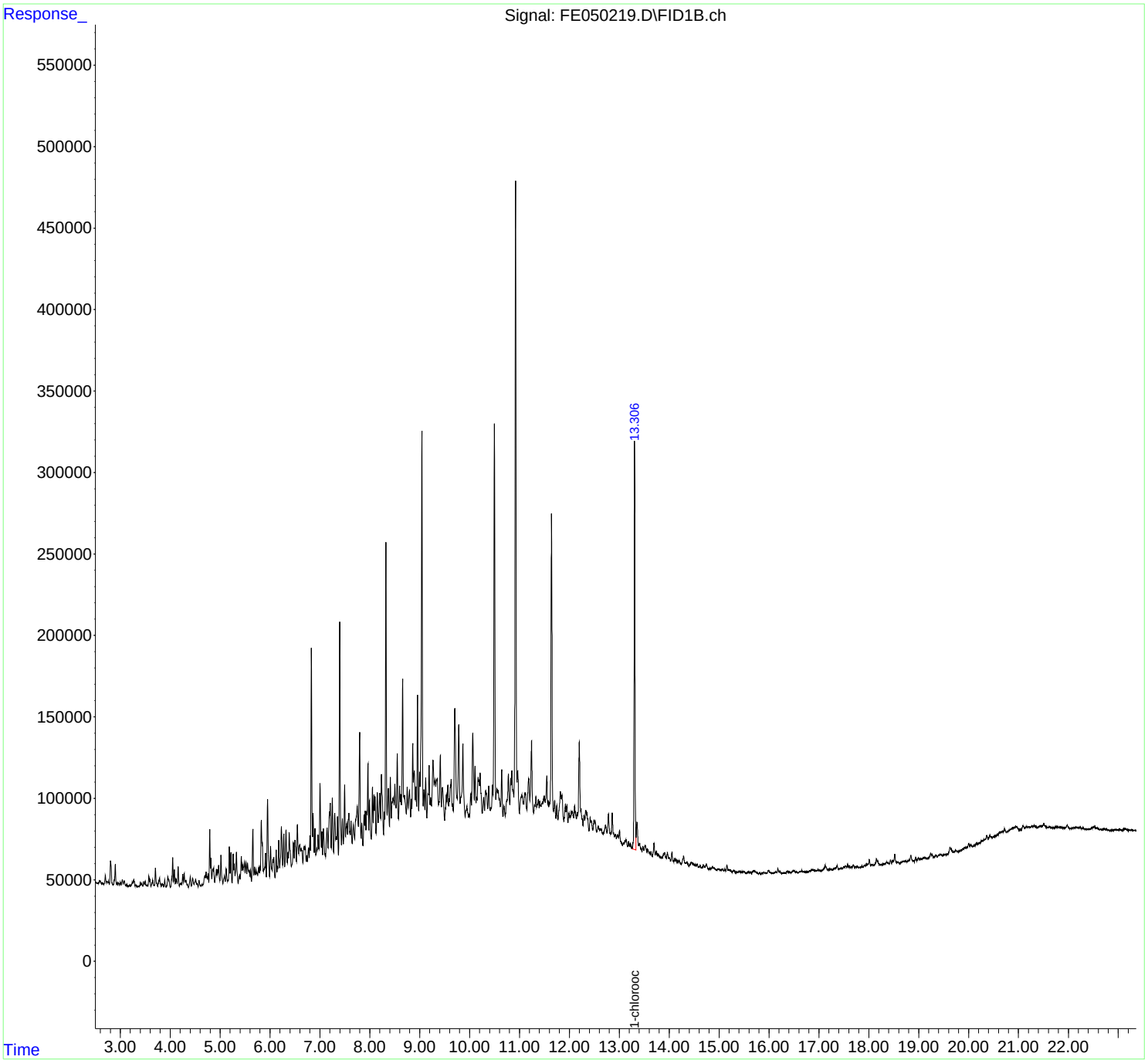
(f)=RT Delta > 1/2 Window (m)=manual int.

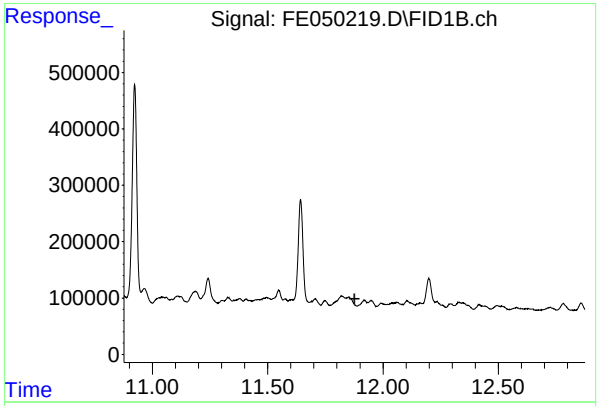
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050219.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 22:10
Operator : YP\AJ
Sample : P4103-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5B

Integration File: autoint1.e
Quant Time: Sep 20 01:37:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

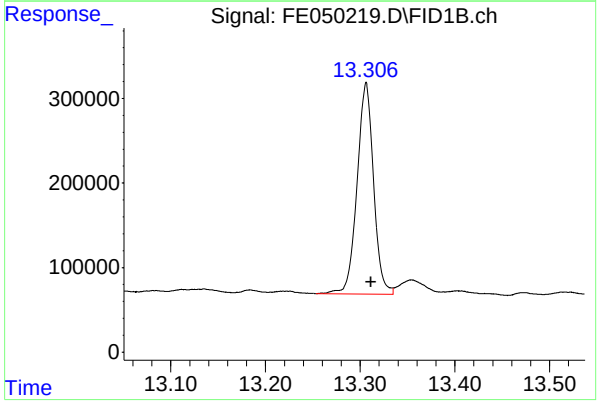




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5B



#12 1-chlorooctadecane (SURR)

R.T.: 13.306 min
Delta R.T.: -0.005 min
Response: 3041020
Conc: 27.07 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050219.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 22:10
Sample : P4103-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.127	3.104	3.157	BV	627	6999	0.10%	0.003%
2	3.184	3.157	3.202	PV	583	9139	0.13%	0.004%
3	3.239	3.202	3.247	VV	2473	33493	0.47%	0.013%
4	3.272	3.247	3.295	VV	3613	74341	1.04%	0.029%
5	3.311	3.295	3.353	VV	917	14826	0.21%	0.006%
6	3.375	3.353	3.383	PV	363	4148	0.06%	0.002%
7	3.402	3.383	3.417	VV	2800	32286	0.45%	0.013%
8	3.430	3.417	3.450	VV	2164	25208	0.35%	0.010%
9	3.470	3.450	3.485	VV	3156	37531	0.53%	0.015%
10	3.501	3.485	3.525	VV	3630	48264	0.68%	0.019%
11	3.539	3.525	3.551	VV	1001	10677	0.15%	0.004%
12	3.572	3.551	3.614	VV	6732	123918	1.74%	0.049%
13	3.650	3.614	3.684	VV	4213	80927	1.14%	0.032%
14	3.704	3.684	3.747	VV	11602	163481	2.29%	0.064%
15	3.786	3.747	3.821	VV	5591	120290	1.69%	0.047%
16	3.841	3.821	3.874	VV	1871	38907	0.55%	0.015%
17	3.890	3.874	3.917	VV	4563	46875	0.66%	0.018%
18	3.953	3.917	4.004	PV	6443	145479	2.04%	0.057%
19	4.050	4.004	4.067	VV	18226	250936	3.52%	0.098%
20	4.083	4.067	4.102	VV	10835	133231	1.87%	0.052%
21	4.118	4.102	4.137	VV	5077	75067	1.05%	0.029%
22	4.159	4.137	4.182	VV	12666	157313	2.21%	0.062%
23	4.199	4.182	4.211	VV	2331	28940	0.41%	0.011%
24	4.251	4.211	4.265	VV	8052	120225	1.69%	0.047%
25	4.280	4.265	4.298	VV	8495	109914	1.54%	0.043%
26	4.316	4.298	4.365	VV	4263	95851	1.35%	0.038%
27	4.401	4.365	4.428	PV	6302	92432	1.30%	0.036%
28	4.449	4.428	4.475	VV	5502	93305	1.31%	0.037%
29	4.509	4.475	4.558	VV	4838	125202	1.76%	0.049%
30	4.578	4.558	4.621	VV	4035	63573	0.89%	0.025%
31	4.638	4.621	4.651	VV	1809	21377	0.30%	0.008%
32	4.693	4.651	4.705	VV	6721	129016	1.81%	0.051%
33	4.719	4.705	4.745	VV	9132	162084	2.27%	0.063%
34	4.759	4.745	4.773	VV	8250	102302	1.44%	0.040%
35	4.793	4.773	4.833	VV	35125	556064	7.80%	0.218%
36	4.852	4.833	4.861	VV	10997	145403	2.04%	0.057%

37	4.870	4.861	4.890	VV	11538	136721	1.92%	0.054%
38	4.925	4.890	4.937	VV	10667	194910	2.74%	0.076%
39	4.949	4.937	4.958	VV	10290	114159	1.60%	0.045%
40	4.970	4.958	4.995	VV	13214	187494	2.63%	0.073%
41	5.018	4.995	5.056	VV	19274	298521	4.19%	0.117%
42	5.087	5.056	5.104	VV	6472	126306	1.77%	0.049%
43	5.122	5.104	5.161	VV	10925	194889	2.74%	0.076%
44	5.185	5.161	5.201	VV	24099	295753	4.15%	0.116%
45	5.217	5.201	5.239	VV	20842	258109	3.62%	0.101%
46	5.261	5.239	5.275	VV	19755	243400	3.42%	0.095%
47	5.285	5.275	5.301	VV	13468	160119	2.25%	0.063%
48	5.327	5.301	5.362	VV	20769	365628	5.13%	0.143%
49	5.390	5.362	5.403	VV	6366	119489	1.68%	0.047%
50	5.425	5.403	5.439	VV	18156	248184	3.48%	0.097%
51	5.449	5.439	5.460	VV	13103	146413	2.05%	0.057%
52	5.486	5.460	5.501	VV	14861	289267	4.06%	0.113%
53	5.518	5.501	5.534	VV	14671	226827	3.18%	0.089%
54	5.550	5.534	5.575	VV	13760	256771	3.60%	0.101%
55	5.584	5.575	5.598	VV	9504	116284	1.63%	0.046%
56	5.611	5.598	5.629	VV	9840	126184	1.77%	0.049%
57	5.656	5.629	5.676	VV	34965	472097	6.63%	0.185%
58	5.690	5.676	5.706	VV	11506	158852	2.23%	0.062%
59	5.721	5.706	5.752	VV	9975	219873	3.09%	0.086%
60	5.773	5.752	5.785	VV	11120	174948	2.46%	0.069%
61	5.826	5.785	5.883	VV	40134	1079413	15.15%	0.423%
62	5.909	5.883	5.927	VV	19578	321596	4.51%	0.126%
63	5.952	5.927	5.991	VV	52303	900015	12.63%	0.353%
64	6.012	5.991	6.041	VV	24111	420318	5.90%	0.165%
65	6.076	6.041	6.100	VV	17373	430680	6.04%	0.169%
66	6.125	6.100	6.142	VV	21864	303558	4.26%	0.119%
67	6.176	6.142	6.195	VV	27559	498708	7.00%	0.195%
68	6.229	6.195	6.255	VV	35682	770579	10.81%	0.302%
69	6.276	6.255	6.295	VV	31303	482203	6.77%	0.189%
70	6.321	6.295	6.346	VV	33887	636084	8.93%	0.249%
71	6.362	6.346	6.371	VV	20276	254794	3.58%	0.100%
72	6.386	6.371	6.428	VV	32258	720783	10.12%	0.282%
73	6.470	6.428	6.486	VV	25786	607078	8.52%	0.238%
74	6.501	6.486	6.529	VV	27380	557581	7.83%	0.218%
75	6.549	6.529	6.573	VV	37031	686943	9.64%	0.269%
76	6.597	6.573	6.612	VV	24748	529516	7.43%	0.207%
77	6.625	6.612	6.659	VV	22266	556682	7.81%	0.218%
78	6.690	6.659	6.701	VV	23346	517581	7.26%	0.203%
79	6.709	6.701	6.725	VV	22964	277716	3.90%	0.109%
80	6.736	6.725	6.749	VV	17688	226867	3.18%	0.089%
81	6.772	6.749	6.786	VV	22458	423113	5.94%	0.166%
82	6.801	6.786	6.810	VV	29830	342671	4.81%	0.134%
83	6.830	6.810	6.852	VV	144624	1849032	25.95%	0.724%
84	6.864	6.852	6.887	VV	43518	652980	9.16%	0.256%
85	6.902	6.887	6.921	VV	34450	518076	7.27%	0.203%
86	6.962	6.921	6.980	VV	30167	824948	11.58%	0.323%
87	7.004	6.980	7.029	VV	61686	1110446	15.58%	0.435%
88	7.040	7.029	7.054	VV	32376	400033	5.61%	0.157%
89	7.071	7.054	7.114	VV	33813	865909	12.15%	0.339%

90	7.144	7.114	7.162	VV	34372	768498	10.79%	0.301%
91	7.207	7.162	7.227	VV	49622	1400723	19.66%	0.549%
92	7.250	7.227	7.275	VV	52623	972647	13.65%	0.381%
93	7.298	7.275	7.321	VV	43301	886515	12.44%	0.347%
94	7.354	7.321	7.372	VV	41312	908710	12.75%	0.356%
95	7.397	7.372	7.432	VV	161048	2361640	33.14%	0.925%
96	7.452	7.432	7.471	VV	39747	724104	10.16%	0.284%
97	7.496	7.471	7.514	VV	60634	1042434	14.63%	0.408%
98	7.540	7.514	7.555	VV	36852	813433	11.42%	0.319%
99	7.582	7.555	7.610	VV	43093	1205150	16.91%	0.472%
100	7.625	7.610	7.646	VV	38426	689310	9.67%	0.270%
101	7.671	7.646	7.697	VV	35898	928889	13.04%	0.364%
102	7.749	7.697	7.770	VV	47144	1742682	24.46%	0.683%
103	7.798	7.770	7.825	VV	92631	1793776	25.17%	0.703%
104	7.840	7.825	7.863	VV	36579	692752	9.72%	0.271%
105	7.886	7.863	7.897	VV	42064	696169	9.77%	0.273%
106	7.909	7.897	7.924	VV	44316	625820	8.78%	0.245%
107	7.963	7.924	7.980	VV	73726	1608243	22.57%	0.630%
108	7.994	7.980	8.030	VV	50501	1138398	15.98%	0.446%
109	8.054	8.030	8.069	VV	58824	981774	13.78%	0.385%
110	8.084	8.069	8.096	VV	54270	775846	10.89%	0.304%
111	8.107	8.096	8.124	VV	53127	743503	10.43%	0.291%
112	8.152	8.124	8.170	VV	55441	1148215	16.11%	0.450%
113	8.200	8.170	8.216	VV	54827	1288829	18.09%	0.505%
114	8.234	8.216	8.276	VV	65974	1769274	24.83%	0.693%
115	8.324	8.276	8.349	VV	209146	3452565	48.45%	1.353%
116	8.372	8.349	8.395	VV	57844	1317434	18.49%	0.516%
117	8.413	8.395	8.432	VV	64434	1112988	15.62%	0.436%
118	8.467	8.432	8.488	VV	51947	1613842	22.65%	0.632%
119	8.503	8.488	8.530	VV	60115	1306458	18.33%	0.512%
120	8.551	8.530	8.574	VV	78914	1501278	21.07%	0.588%
121	8.599	8.574	8.612	VV	58966	1130826	15.87%	0.443%
122	8.623	8.612	8.634	VV	53960	671853	9.43%	0.263%
123	8.659	8.634	8.731	VV	124356	3694885	51.85%	1.448%
124	8.751	8.731	8.769	VV	58142	1134366	15.92%	0.444%
125	8.796	8.769	8.820	VV	56342	1527687	21.44%	0.598%
126	8.835	8.820	8.844	VV	51033	652112	9.15%	0.255%
127	8.861	8.844	8.875	VV	84859	1261712	17.71%	0.494%
128	8.891	8.875	8.912	VV	67790	1378348	19.34%	0.540%
129	8.927	8.912	8.939	VV	58393	854329	11.99%	0.335%
130	8.958	8.939	8.980	VV	114910	1867668	26.21%	0.732%
131	8.998	8.980	9.008	VV	67350	962723	13.51%	0.377%
132	9.045	9.008	9.071	VV	276805	4714293	66.16%	1.847%
133	9.088	9.071	9.105	VV	56142	1036908	14.55%	0.406%
134	9.121	9.105	9.144	VV	63825	1215314	17.06%	0.476%
135	9.190	9.144	9.209	VV	71133	2098361	29.45%	0.822%
136	9.221	9.209	9.236	VV	51513	820233	11.51%	0.321%
137	9.268	9.236	9.291	VV	74376	2057012	28.87%	0.806%
138	9.309	9.291	9.324	VV	62357	1189644	16.70%	0.466%
139	9.351	9.324	9.380	VV	63036	1945760	27.31%	0.762%
140	9.414	9.380	9.437	VV	77473	1975885	27.73%	0.774%
141	9.456	9.437	9.500	VV	57492	1867943	26.21%	0.732%

142	9.535	9.500	9.546	VV	52989	1299600	18.24%	0.509%
143	9.565	9.546	9.582	VV	59199	1127823	15.83%	0.442%
144	9.592	9.582	9.597	VV	50736	458159	6.43%	0.179%
145	9.631	9.597	9.673	VV	62604	2385546	33.48%	0.935%
146	9.704	9.673	9.753	VV	105358	3322238	46.62%	1.302%
147	9.784	9.753	9.812	VV	95980	2407671	33.79%	0.943%
148	9.867	9.812	9.912	VV	84088	3332789	46.77%	1.306%
149	9.946	9.912	9.979	VV	45736	1709025	23.98%	0.670%
150	9.991	9.979	10.000	VV	40903	518330	7.27%	0.203%
151	10.024	10.000	10.038	VV	53499	1080599	15.17%	0.423%
152	10.065	10.038	10.095	VV	90570	2296020	32.22%	0.899%
153	10.111	10.095	10.131	VV	70315	1272168	17.85%	0.498%
154	10.171	10.131	10.181	VV	62817	1652798	23.20%	0.647%
155	10.190	10.181	10.201	VV	61839	701558	9.85%	0.275%
156	10.213	10.201	10.253	VV	65752	1707475	23.96%	0.669%
157	10.283	10.253	10.301	VV	50729	1344635	18.87%	0.527%
158	10.323	10.301	10.364	VV	54866	1894166	26.58%	0.742%
159	10.385	10.364	10.420	VV	57783	1622362	22.77%	0.636%
160	10.459	10.420	10.470	VV	58219	1474189	20.69%	0.578%
161	10.499	10.470	10.528	VV	279865	4725647	66.32%	1.851%
162	10.548	10.528	10.621	VV	55521	2896428	40.65%	1.135%
163	10.645	10.621	10.669	VV	67610	1505880	21.13%	0.590%
164	10.687	10.669	10.714	VV	45250	1144672	16.06%	0.448%
165	10.779	10.714	10.807	VV	64647	2817591	39.54%	1.104%
166	10.848	10.807	10.887	VV	66817	2735998	38.40%	1.072%
167	10.923	10.887	10.952	VV	429597	7125486	100.00%	2.791%
168	10.965	10.952	10.999	VV	66761	1588370	22.29%	0.622%
169	11.045	10.999	11.075	VV	51832	2199507	30.87%	0.862%
170	11.110	11.075	11.151	VV	53409	2229138	31.28%	0.873%
171	11.186	11.151	11.209	VV	61713	1888352	26.50%	0.740%
172	11.241	11.209	11.284	VV	84743	2588800	36.33%	1.014%
173	11.303	11.284	11.310	VV	45412	674635	9.47%	0.264%
174	11.328	11.310	11.347	VV	50722	1051936	14.76%	0.412%
175	11.378	11.347	11.394	VV	48590	1305510	18.32%	0.511%
176	11.406	11.394	11.433	VV	48025	1077215	15.12%	0.422%
177	11.496	11.433	11.515	VV	50522	2346573	32.93%	0.919%
178	11.548	11.515	11.589	VV	63214	2252003	31.60%	0.882%
179	11.643	11.589	11.680	VV	224379	4921966	69.08%	1.928%
180	11.706	11.680	11.730	VV	47825	1297043	18.20%	0.508%
181	11.748	11.730	11.771	VV	44919	988247	13.87%	0.387%
182	11.821	11.771	11.838	VV	53278	1833263	25.73%	0.718%
183	11.851	11.838	11.888	VV	51050	1330067	18.67%	0.521%
184	11.920	11.888	11.934	VV	45779	1122884	15.76%	0.440%
185	11.949	11.934	11.972	VV	44796	939520	13.19%	0.368%
186	11.992	11.972	12.014	VV	40148	945876	13.27%	0.371%
187	12.061	12.014	12.085	VV	41433	1683559	23.63%	0.660%
188	12.105	12.085	12.139	VV	44378	1296267	18.19%	0.508%
189	12.161	12.139	12.170	VV	40265	727119	10.20%	0.285%
190	12.199	12.170	12.273	VV	83695	3016493	42.33%	1.182%
191	12.293	12.273	12.309	VV	38522	784052	11.00%	0.307%
192	12.329	12.309	12.339	VV	41084	711616	9.99%	0.279%
193	12.344	12.339	12.393	VV	40313	1142318	16.03%	0.448%
194	12.417	12.393	12.468	VV	37129	1494485	20.97%	0.585%

195	12.494	12.468	12.548	VV	35474	1561085	21.91%	0.612%
196	12.579	12.548	12.618	VV	31825	1251987	17.57%	0.490%
197	12.627	12.618	12.668	VV	30051	863833	12.12%	0.338%
198	12.725	12.668	12.753	VV	32154	1496028	21.00%	0.586%
199	12.782	12.753	12.838	VV	38609	1553792	21.81%	0.609%
200	12.859	12.838	12.902	VV	39628	1188719	16.68%	0.466%
201	12.920	12.902	12.941	VV	26378	589552	8.27%	0.231%
202	12.968	12.941	12.986	VV	25861	677869	9.51%	0.266%
203	13.004	12.986	13.064	VV	29050	1094302	15.36%	0.429%
204	13.083	13.064	13.095	VV	21135	380420	5.34%	0.149%
205	13.134	13.095	13.168	VV	22999	926447	13.00%	0.363%
206	13.184	13.168	13.204	VV	21800	435689	6.11%	0.171%
207	13.221	13.204	13.253	VV	20271	568920	7.98%	0.223%
208	13.306	13.253	13.335	VV	266362	3864937	54.24%	1.514%
209	13.354	13.335	13.388	VV	33511	850489	11.94%	0.333%
210	13.404	13.388	13.455	VV	20503	736777	10.34%	0.289%
211	13.473	13.455	13.494	VV	18466	394603	5.54%	0.155%
212	13.517	13.494	13.553	VV	19036	614532	8.62%	0.241%
213	13.568	13.553	13.619	VV	16749	601623	8.44%	0.236%
214	13.634	13.619	13.660	VV	15308	343581	4.82%	0.135%
215	13.695	13.660	13.720	VV	20402	577916	8.11%	0.226%
216	13.743	13.720	13.766	VV	15178	385091	5.40%	0.151%
217	13.781	13.766	13.834	VV	13847	513728	7.21%	0.201%
218	13.851	13.834	13.864	VV	11838	205771	2.89%	0.081%
219	13.906	13.864	13.938	VV	14220	566877	7.96%	0.222%
220	13.964	13.938	13.991	VV	14586	398286	5.59%	0.156%
221	14.003	13.991	14.031	VV	11313	251467	3.53%	0.099%
222	14.055	14.031	14.088	VV	14900	384848	5.40%	0.151%
223	14.108	14.088	14.124	VV	10451	208159	2.92%	0.082%
224	14.138	14.124	14.164	VV	10081	227064	3.19%	0.089%
225	14.200	14.164	14.246	VV	9134	408597	5.73%	0.160%
226	14.287	14.246	14.333	VV	12077	476718	6.69%	0.187%
227	14.355	14.333	14.396	VV	8319	280031	3.93%	0.110%
228	14.438	14.396	14.511	VV	8267	494404	6.94%	0.194%
229	14.524	14.511	14.544	VV	6661	123493	1.73%	0.048%
230	14.564	14.544	14.591	VV	6992	167771	2.35%	0.066%
231	14.616	14.591	14.657	VV	6135	206344	2.90%	0.081%
232	14.685	14.657	14.720	VV	6364	204657	2.87%	0.080%
233	14.742	14.720	14.800	VV	6927	246888	3.46%	0.097%
234	14.865	14.800	14.881	VV	5182	206151	2.89%	0.081%
235	14.894	14.881	14.953	VV	4462	162484	2.28%	0.064%
236	15.000	14.953	15.041	VV	3603	171977	2.41%	0.067%
237	15.062	15.041	15.098	VV	3186	100613	1.41%	0.039%
238	15.113	15.098	15.134	VV	3507	63158	0.89%	0.025%
239	15.157	15.134	15.188	VV	5822	125166	1.76%	0.049%
240	15.204	15.188	15.259	VV	3143	108519	1.52%	0.043%
241	15.295	15.259	15.328	VV	2542	78609	1.10%	0.031%
242	15.351	15.328	15.378	VV	1497	41244	0.58%	0.016%
243	15.409	15.378	15.458	VV	2144	76758	1.08%	0.030%
244	15.479	15.458	15.487	VV	1640	25245	0.35%	0.010%
245	15.497	15.487	15.554	VV	1706	45236	0.63%	0.018%
246	15.591	15.554	15.648	VV	1508	61182	0.86%	0.024%

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247	15.695	15.648	15.788	VV	1962	102929	1.44%	0.040%
248	15.809	15.788	15.833	VV	859	13579	0.19%	0.005%
249	15.861	15.833	15.876	VV	514	8388	0.12%	0.003%
250	15.897	15.876	15.911	VV	913	12776	0.18%	0.005%
251	15.935	15.911	15.955	VV	679	14551	0.20%	0.006%
252	15.990	15.955	16.045	VV	1938	57262	0.80%	0.022%
253	16.058	16.045	16.094	VV	589	11446	0.16%	0.004%
254	16.135	16.094	16.153	VV	1291	24819	0.35%	0.010%
255	16.176	16.153	16.254	VV	3052	73905	1.04%	0.029%
256	16.271	16.254	16.291	VV	249	2919	0.04%	0.001%
257	16.311	16.291	16.327	PV	277	4149	0.06%	0.002%
258	16.380	16.327	16.401	VV	1073	29926	0.42%	0.012%
259	16.409	16.401	16.443	VV	597	12231	0.17%	0.005%
260	16.491	16.443	16.584	VV	1375	62246	0.87%	0.024%
261	16.626	16.584	16.641	PV	860	18103	0.25%	0.007%
262	16.660	16.641	16.681	VV	1415	19701	0.28%	0.008%
263	16.697	16.681	16.724	VV	501	8410	0.12%	0.003%
264	16.756	16.724	16.767	VV	418	7246	0.10%	0.003%
265	16.873	16.767	16.913	VV	1348	68207	0.96%	0.027%
266	16.925	16.913	16.945	VV	1042	16702	0.23%	0.007%
267	16.987	16.945	17.044	VV	1156	43007	0.60%	0.017%
268	17.125	17.044	17.167	VV	3484	121369	1.70%	0.048%
269	17.177	17.167	17.192	VV	1129	13475	0.19%	0.005%
270	17.241	17.192	17.274	VV	1203	44895	0.63%	0.018%
271	17.365	17.274	17.405	VV	2790	113605	1.59%	0.045%
272	17.450	17.405	17.471	VV	1339	46374	0.65%	0.018%
273	17.536	17.471	17.555	VV	2573	93298	1.31%	0.037%
274	17.574	17.555	17.598	VV	2942	60841	0.85%	0.024%
275	17.606	17.598	17.627	VV	1867	29179	0.41%	0.011%
276	17.647	17.627	17.659	VV	1928	29657	0.42%	0.012%
277	17.689	17.659	17.725	VV	2840	79352	1.11%	0.031%
278	17.774	17.725	17.801	VV	1744	63446	0.89%	0.025%
279	17.828	17.801	17.844	VV	1293	30574	0.43%	0.012%
280	17.859	17.844	17.878	VV	1714	28681	0.40%	0.011%
281	17.907	17.878	17.918	VV	2122	40214	0.56%	0.016%
282	17.952	17.918	17.964	VV	2620	62926	0.88%	0.025%
283	18.011	17.964	18.038	VV	5522	143502	2.01%	0.056%
284	18.056	18.038	18.101	VV	2393	77432	1.09%	0.030%
285	18.152	18.101	18.228	VV	5937	246217	3.46%	0.096%
286	18.252	18.228	18.268	VV	1998	46070	0.65%	0.018%
287	18.314	18.268	18.330	VV	2497	84373	1.18%	0.033%
288	18.355	18.330	18.408	VV	3355	134224	1.88%	0.053%
289	18.434	18.408	18.454	VV	4494	94743	1.33%	0.037%
290	18.475	18.454	18.493	VV	3799	81212	1.14%	0.032%
291	18.519	18.493	18.549	VV	7999	167955	2.36%	0.066%
292	18.557	18.549	18.617	VV	3091	110914	1.56%	0.043%
293	18.678	18.617	18.686	VV	3299	111690	1.57%	0.044%
294	18.709	18.686	18.732	VV	3501	89899	1.26%	0.035%
295	18.742	18.732	18.758	VV	3239	48222	0.68%	0.019%
296	18.842	18.758	18.913	VV	6888	358356	5.03%	0.140%
297	18.940	18.913	18.964	VV	4989	120898	1.70%	0.047%
298	18.991	18.964	19.011	VV	5051	117943	1.66%	0.046%
299	19.022	19.011	19.036	VV	4258	61733	0.87%	0.024%

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300	19.047	19.036	19.059	VV	4177	55495	0.78%	0.022%
301	19.125	19.059	19.168	VV	4776	284718	4.00%	0.112%
302	19.240	19.168	19.258	VV	7347	284718	4.00%	0.112%
303	19.269	19.258	19.304	VV	6280	153691	2.16%	0.060%
304	19.345	19.304	19.379	VV	5747	237308	3.33%	0.093%
305	19.428	19.379	19.468	VV	6120	303015	4.25%	0.119%
306	19.542	19.468	19.549	VV	5887	280431	3.94%	0.110%
307	19.562	19.549	19.580	VV	6260	110690	1.55%	0.043%
308	19.627	19.580	19.697	VV	10264	563690	7.91%	0.221%
309	19.746	19.697	19.794	VV	8091	435577	6.11%	0.171%
310	19.942	19.794	19.951	VV	9553	786871	11.04%	0.308%
311	20.001	19.951	20.024	VV	11808	457116	6.42%	0.179%
312	20.045	20.024	20.081	VV	11054	352464	4.95%	0.138%
313	20.161	20.081	20.181	VV	11481	639852	8.98%	0.251%
314	20.310	20.181	20.321	VV	13784	1043258	14.64%	0.409%
315	20.365	20.321	20.388	VV	16236	586193	8.23%	0.230%
316	20.430	20.388	20.484	VV	15520	866302	12.16%	0.339%
317	20.678	20.484	20.691	VV	17924	2030307	28.49%	0.795%
318	20.720	20.691	20.767	VV	19758	832968	11.69%	0.326%
319	20.947	20.767	21.014	VV	20436	2854293	40.06%	1.118%
320	21.091	21.014	21.124	VV	20665	1268482	17.80%	0.497%
321	21.162	21.124	21.191	VV	19950	790468	11.09%	0.310%
322	21.202	21.191	21.229	VV	19856	440112	6.18%	0.172%
323	21.264	21.229	21.276	VV	20040	568530	7.98%	0.223%
324	21.310	21.276	21.381	VV	20261	1238077	17.38%	0.485%
325	21.455	21.381	21.466	VV	19845	996346	13.98%	0.390%
326	21.506	21.466	21.593	VV	20879	1507295	21.15%	0.590%
327	21.620	21.593	21.664	VV	19028	801311	11.25%	0.314%
328	21.679	21.664	21.718	VV	18382	586386	8.23%	0.230%
329	21.741	21.718	21.750	VV	18707	358850	5.04%	0.141%
330	21.767	21.750	21.838	VV	18694	977939	13.72%	0.383%
331	21.854	21.838	21.924	VV	18560	934016	13.11%	0.366%
332	21.977	21.924	22.048	VV	19320	1349618	18.94%	0.529%
333	22.121	22.048	22.131	VV	17728	880970	12.36%	0.345%
334	22.153	22.131	22.181	VV	17669	524030	7.35%	0.205%
335	22.184	22.181	22.192	VV	17625	118878	1.67%	0.047%
336	22.204	22.192	22.218	VV	17632	269595	3.78%	0.106%
337	22.241	22.218	22.301	VBA	17553	892891	12.53%	0.350%

Sum of corrected areas: 255259718

Aliphatic EPH 091024.M Fri Sep 20 02:13:42 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5B		SDG No.:	P4103	
Lab Sample ID:	P4103-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.1	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014283.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.17		0.33	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	21.1		0.38	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	58.0	E	1.06	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6.32		2.22	2.95	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.5		40 - 140	101%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.9		40 - 140	44%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-07	Acq On:	19 Sep 2024 20:56
Client Sample ID:	WC-14-5-7.5B	Operator:	YP\AJ
Data file:	FG014283.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.376	6.245	3747882	29.409	200	ug/ml
Aromatic C12-C16	6.246	8.944	37746088	286.08	300	ug/ml
Aromatic C16-C21	8.945	13.266	102006904	784.988	500	ug/ml
Aromatic C21-C36	13.267	18.723	10788796	85.56	800	ug/ml
Aromatic EPH	4.376	18.723	154289670	1190		ug/ml
ortho-Terphenyl (SURR)	11.814	11.814	2956362	21.93		ug/ml
2-Bromonaphthalene (SURR)	7.874	7.874	5643944	50.45		ug/ml
2-Flurobiphenyl (SURR)	8.746	8.746	3474536	47.72		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014283.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:56
Operator : YP\AJ
Sample : P4103-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 20 02:47:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

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Supervised By :Ankita Jodhani 09/20/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.874	5643944	50.447 ug/ml
Spiked Amount 50.000		Recovery = 100.89%	
6) S 2-Flurobiphenyl (SURR)	8.746	3474536	47.723 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 95.45%	
11) S ortho-Terphenyl (SURR)	11.814	2956362	21.932 ug/mlm
Spiked Amount 50.000		Recovery = 43.86%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014283.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:56
Operator : YP\AJ
Sample : P4103-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

Manual Integrations APPROVED

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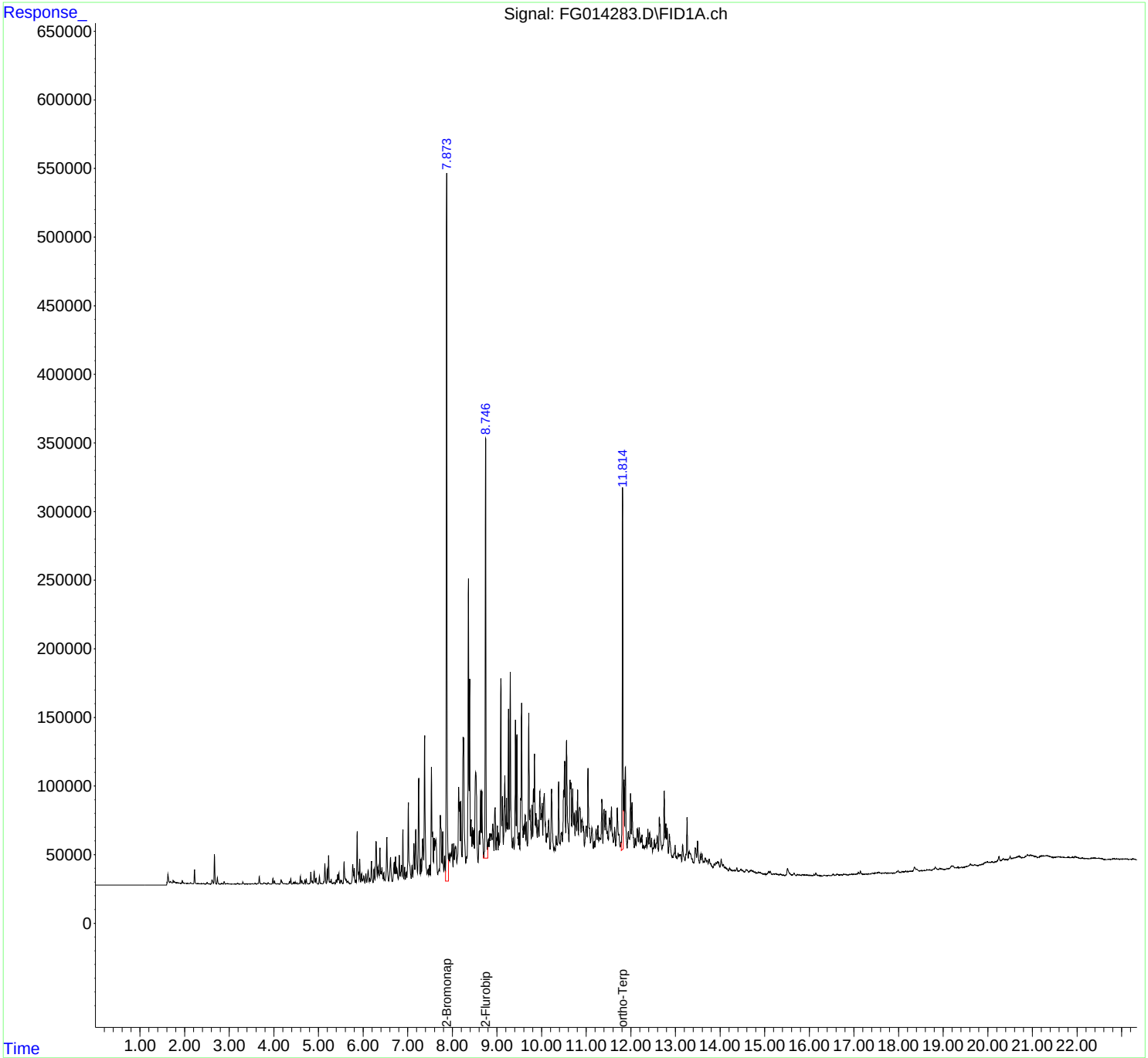
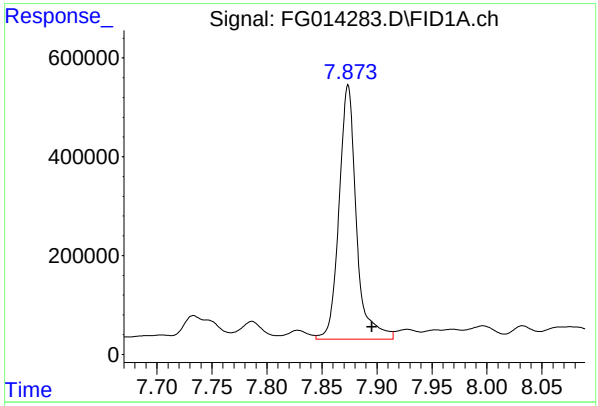
Integration File: autoint1.e
Quant Time: Sep 20 02:47:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2-Bromonaphthalene (SURR)

R.T.: 7.874 min
Delta R.T.: -0.022 min
Response: 5643944
Conc: 50.45 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

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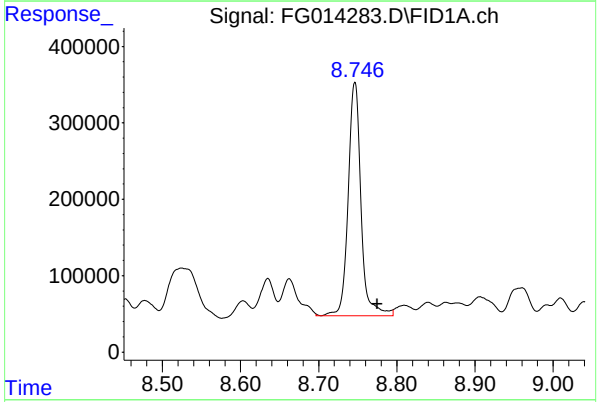
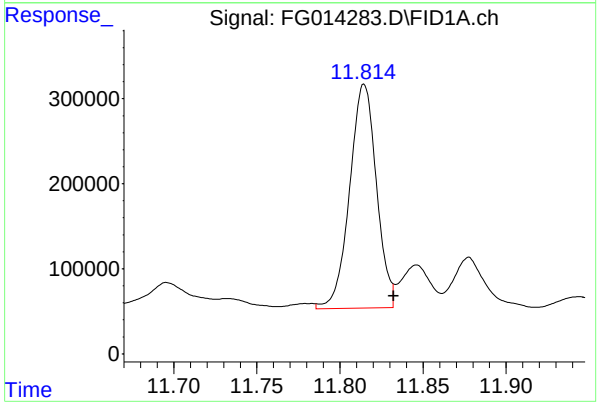


#6 2-Flurobiphenyl (SURR)

R.T.: 8.746 min
Delta R.T.: -0.029 min
Response: 3474536
Conc: 47.72 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.814 min
Delta R.T.: -0.018 min
Response: 2956362
Conc: 21.93 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09192
Data File : FG014283.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:56
Sample : P4103-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.349	4.295	4.363	PV	1867	22020	0.39%	0.013%
2	4.380	4.363	4.418	VV	3963	43968	0.77%	0.027%
3	4.443	4.418	4.461	VV	1395	16122	0.28%	0.010%
4	4.478	4.461	4.500	VV	1533	16360	0.29%	0.010%
5	4.517	4.500	4.536	VV	1021	10788	0.19%	0.007%
6	4.569	4.536	4.575	VV	529	8534	0.15%	0.005%
7	4.594	4.575	4.612	VV	5493	58719	1.03%	0.036%
8	4.629	4.612	4.663	VV	2550	36318	0.64%	0.022%
9	4.668	4.663	4.674	VV	339	2011	0.04%	0.001%
10	4.694	4.674	4.711	VV	2870	31217	0.55%	0.019%
11	4.727	4.711	4.765	VV	3832	43569	0.77%	0.027%
12	4.829	4.765	4.847	VV	8837	99601	1.75%	0.061%
13	4.858	4.847	4.880	VV	2404	28621	0.50%	0.017%
14	4.905	4.880	4.927	VV	9192	132470	2.33%	0.081%
15	4.946	4.927	4.989	VV	4211	63873	1.12%	0.039%
16	5.022	4.989	5.043	VV	5920	63374	1.12%	0.039%
17	5.057	5.043	5.095	VV	672	9901	0.17%	0.006%
18	5.120	5.095	5.126	VV	1872	16288	0.29%	0.010%
19	5.144	5.126	5.176	VV	15084	180163	3.17%	0.110%
20	5.197	5.176	5.211	VV	10856	113330	2.00%	0.069%
21	5.227	5.211	5.251	VV	20783	220402	3.88%	0.134%
22	5.263	5.251	5.271	VV	1707	17279	0.30%	0.011%
23	5.285	5.271	5.304	VV	3305	35493	0.62%	0.022%
24	5.317	5.304	5.332	VV	566	6560	0.12%	0.004%
25	5.350	5.332	5.376	VV	1388	18109	0.32%	0.011%
26	5.396	5.376	5.411	VV	3018	34276	0.60%	0.021%
27	5.431	5.411	5.445	VV	6874	81503	1.44%	0.050%
28	5.457	5.445	5.481	VV	7888	84533	1.49%	0.051%
29	5.500	5.481	5.510	VV	2740	29163	0.51%	0.018%
30	5.519	5.510	5.538	VV	2442	24167	0.43%	0.015%
31	5.543	5.538	5.553	VV	416	3146	0.06%	0.002%
32	5.574	5.553	5.617	VV	16281	240939	4.24%	0.147%
33	5.625	5.617	5.638	VV	2974	28332	0.50%	0.017%
34	5.651	5.638	5.656	VV	1874	16044	0.28%	0.010%
35	5.663	5.656	5.678	VV	2045	20473	0.36%	0.012%
36	5.682	5.678	5.722	VV	685	8245	0.15%	0.005%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

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37	5.768	5.722	5.792	PV	14234	225936	3.98%	0.138%
38	5.803	5.792	5.822	VV	11383	120413	2	
39	5.835	5.822	5.847	VV	2726	29634	0	
40	5.867	5.847	5.888	VV	37986	415160	7	
41	5.895	5.888	5.910	VV	8520	86411	1	
42	5.925	5.910	5.947	VV	17967	184624	3	
43	5.967	5.947	5.983	VV	7444	90142	1.59%	0.055%
44	5.991	5.983	6.000	VV	2670	23407	0.41%	0.014%
45	6.014	6.000	6.040	VV	5699	82266	1.45%	0.050%
46	6.063	6.040	6.083	VV	7350	90678	1.60%	0.055%
47	6.114	6.083	6.135	VV	9762	158205	2.79%	0.096%
48	6.147	6.135	6.162	VV	3813	43432	0.76%	0.026%
49	6.188	6.162	6.225	VV	16395	225568	3.97%	0.137%
50	6.244	6.225	6.268	VV	10581	128115	2.26%	0.078%
51	6.292	6.268	6.319	VV	30602	512454	9.02%	0.312%
52	6.333	6.319	6.346	VV	12496	146770	2.58%	0.089%
53	6.352	6.346	6.362	VV	8085	70025	1.23%	0.043%
54	6.378	6.362	6.395	VV	25974	293076	5.16%	0.178%
55	6.404	6.395	6.411	VV	8270	73085	1.29%	0.044%
56	6.423	6.411	6.451	VV	11768	183206	3.23%	0.111%
57	6.465	6.451	6.495	VV	7885	110454	1.94%	0.067%
58	6.533	6.495	6.573	VV	33646	542448	9.55%	0.330%
59	6.616	6.573	6.658	VV	19054	380057	6.69%	0.231%
60	6.697	6.658	6.711	VV	15211	257122	4.53%	0.156%
61	6.728	6.711	6.745	VV	19255	268899	4.73%	0.164%
62	6.757	6.745	6.790	VV	10933	193390	3.41%	0.118%
63	6.812	6.790	6.830	VV	20349	267547	4.71%	0.163%
64	6.861	6.830	6.876	VV	13155	236430	4.16%	0.144%
65	6.892	6.876	6.914	VV	38785	409906	7.22%	0.249%
66	6.932	6.914	6.949	VV	11562	143142	2.52%	0.087%
67	6.970	6.949	6.983	VV	7821	110559	1.95%	0.067%
68	7.014	6.983	7.079	VV	58506	1018617	17.94%	0.620%
69	7.097	7.079	7.114	VV	13051	168626	2.97%	0.103%
70	7.140	7.114	7.162	VV	28705	466128	8.21%	0.284%
71	7.180	7.162	7.221	VV	38841	730469	12.86%	0.445%
72	7.246	7.221	7.281	VV	76274	1163808	20.49%	0.708%
73	7.296	7.281	7.312	VV	17186	222460	3.92%	0.135%
74	7.335	7.312	7.357	VV	31988	590867	10.40%	0.360%
75	7.379	7.357	7.434	VV	106860	1664279	29.31%	1.013%
76	7.458	7.434	7.472	VV	9740	174453	3.07%	0.106%
77	7.489	7.472	7.508	VV	12809	187339	3.30%	0.114%
78	7.533	7.508	7.549	VV	84085	1027696	18.10%	0.625%
79	7.558	7.549	7.579	VV	36446	504303	8.88%	0.307%
80	7.593	7.579	7.604	VV	32472	374185	6.59%	0.228%
81	7.614	7.604	7.621	VV	29888	286692	5.05%	0.174%
82	7.631	7.621	7.675	VV	31470	647356	11.40%	0.394%
83	7.705	7.675	7.713	VV	9508	184926	3.26%	0.113%
84	7.733	7.713	7.767	VV	48984	988096	17.40%	0.601%
85	7.786	7.767	7.810	VV	37171	558087	9.83%	0.340%
86	7.828	7.810	7.845	VV	19097	268845	4.73%	0.164%
87	7.874	7.845	7.914	VV	516579	5679098	100.00%	3.456%
88	7.927	7.914	7.940	VV	20989	285248	5.02%	0.174%
89	7.954	7.940	7.959	VV	19914	204773	3.61%	0.125%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

rteres

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90	7.969	7.959	7.978	VV	21254	231287	4.07%	0.141%
91	7.996	7.978	8.016	VV	28002	490930	8	
92	8.032	8.016	8.048	VV	28066	393546	6	
93	8.075	8.048	8.102	VV	26142	714322	12	
94	8.143	8.102	8.158	VV	69226	1255457	22	
95	8.166	8.158	8.180	VV	58461	637045	11	
96	8.192	8.180	8.220	VV	59207	834663	14.70%	0.508%
97	8.241	8.220	8.248	VV	105289	1120103	19.72%	0.682%
98	8.256	8.248	8.303	VV	105132	1578310	27.79%	0.961%
99	8.322	8.303	8.331	VV	18596	272236	4.79%	0.166%
100	8.362	8.331	8.377	VV	221220	2835890	49.94%	1.726%
101	8.389	8.377	8.408	VV	147900	1709844	30.11%	1.041%
102	8.421	8.408	8.440	VV	45434	687042	12.10%	0.418%
103	8.453	8.440	8.465	VV	39597	492926	8.68%	0.300%
104	8.478	8.465	8.496	VV	37413	596611	10.51%	0.363%
105	8.525	8.496	8.576	VV	79890	2372728	41.78%	1.444%
106	8.603	8.576	8.616	VV	36959	617146	10.87%	0.376%
107	8.635	8.616	8.648	VV	66245	930315	16.38%	0.566%
108	8.662	8.648	8.703	VV	65964	1280281	22.54%	0.779%
109	8.746	8.703	8.789	VV	323140	4324530	76.15%	2.632%
110	8.810	8.789	8.824	VV	30998	589672	10.38%	0.359%
111	8.840	8.824	8.852	VV	34994	505927	8.91%	0.308%
112	8.863	8.852	8.870	VV	34913	368235	6.48%	0.224%
113	8.878	8.870	8.890	VV	34106	396357	6.98%	0.241%
114	8.907	8.890	8.934	VV	42133	919392	16.19%	0.560%
115	8.960	8.934	8.980	VV	53840	1099503	19.36%	0.669%
116	8.992	8.980	8.997	VV	31609	299098	5.27%	0.182%
117	9.009	8.997	9.026	VV	40616	565762	9.96%	0.344%
118	9.040	9.026	9.055	VV	35621	538156	9.48%	0.328%
119	9.088	9.055	9.108	VV	147638	2222074	39.13%	1.352%
120	9.121	9.108	9.145	VV	61922	996837	17.55%	0.607%
121	9.177	9.145	9.198	VV	76936	1645793	28.98%	1.002%
122	9.213	9.198	9.227	VV	60602	820627	14.45%	0.499%
123	9.234	9.227	9.242	VV	42312	374808	6.60%	0.228%
124	9.259	9.242	9.276	VV	125758	1543375	27.18%	0.939%
125	9.300	9.276	9.347	VV	152474	2713139	47.77%	1.651%
126	9.364	9.347	9.385	VV	31541	631750	11.12%	0.384%
127	9.416	9.385	9.433	VV	117616	1746964	30.76%	1.063%
128	9.448	9.433	9.467	VV	106800	1357619	23.91%	0.826%
129	9.472	9.467	9.484	VV	31989	316149	5.57%	0.192%
130	9.498	9.484	9.512	VV	35421	502527	8.85%	0.306%
131	9.553	9.512	9.588	VV	129698	2767651	48.73%	1.684%
132	9.602	9.588	9.616	VV	40103	596310	10.50%	0.363%
133	9.632	9.616	9.648	VV	48238	764910	13.47%	0.466%
134	9.662	9.648	9.683	VV	42623	706242	12.44%	0.430%
135	9.714	9.683	9.731	VV	122291	1851073	32.59%	1.127%
136	9.740	9.731	9.770	VV	51290	976750	17.20%	0.594%
137	9.787	9.770	9.802	VV	55334	842832	14.84%	0.513%
138	9.818	9.802	9.828	VV	67375	850322	14.97%	0.517%
139	9.842	9.828	9.863	VV	92516	1370475	24.13%	0.834%
140	9.877	9.863	9.905	VV	49338	1036922	18.26%	0.631%
141	9.921	9.905	9.942	VV	44234	847319	14.92%	0.516%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

Manual IntegrationsAPPROVED

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142	9.961	9.942	9.987	VV	65210	1376894	24.24%	0.838%
143	10.013	9.987	10.029	VV	56654	1189867	20	
144	10.062	10.029	10.105	VV	63911	2154875	37	
145	10.120	10.105	10.135	VV	34323	580305	10	
146	10.159	10.135	10.191	VV	44005	1158777	20	
147	10.224	10.191	10.274	VV	66710	1902711	33	
148	10.286	10.274	10.306	VV	24217	438760	7.73%	0.267%
149	10.326	10.306	10.341	VV	32709	582170	10.25%	0.354%
150	10.347	10.341	10.354	VV	26700	203926	3.59%	0.124%
151	10.383	10.354	10.405	VV	72023	1282838	22.59%	0.781%
152	10.411	10.405	10.418	VV	27389	204427	3.60%	0.124%
153	10.449	10.418	10.466	VV	35125	920922	16.22%	0.560%
154	10.492	10.466	10.500	VV	65421	979782	17.25%	0.596%
155	10.518	10.500	10.541	VV	87033	1589194	27.98%	0.967%
156	10.559	10.541	10.614	VV	101976	2347061	41.33%	1.428%
157	10.638	10.614	10.648	VV	73258	1130607	19.91%	0.688%
158	10.657	10.648	10.676	VV	71120	1010834	17.80%	0.615%
159	10.697	10.676	10.721	VV	66622	1358037	23.91%	0.826%
160	10.734	10.721	10.750	VV	48439	735779	12.96%	0.448%
161	10.772	10.750	10.789	VV	50834	997166	17.56%	0.607%
162	10.808	10.789	10.826	VV	65808	1070774	18.85%	0.652%
163	10.853	10.826	10.885	VV	53016	1632244	28.74%	0.993%
164	10.909	10.885	10.932	VV	44201	1159829	20.42%	0.706%
165	10.941	10.932	10.960	VV	39204	551213	9.71%	0.335%
166	11.001	10.960	11.020	VV	39315	1205152	21.22%	0.733%
167	11.041	11.020	11.066	VV	81226	1489067	26.22%	0.906%
168	11.071	11.066	11.095	VV	37857	569679	10.03%	0.347%
169	11.130	11.095	11.160	VV	38026	1239163	21.82%	0.754%
170	11.179	11.160	11.195	VV	28056	535164	9.42%	0.326%
171	11.221	11.195	11.244	VV	36654	911372	16.05%	0.555%
172	11.264	11.244	11.282	VV	39723	798295	14.06%	0.486%
173	11.294	11.282	11.313	VV	30885	561770	9.89%	0.342%
174	11.321	11.313	11.326	VV	30281	235203	4.14%	0.143%
175	11.352	11.326	11.375	VV	58859	1230957	21.68%	0.749%
176	11.402	11.375	11.422	VV	51188	1222229	21.52%	0.744%
177	11.438	11.422	11.464	VV	50258	1056672	18.61%	0.643%
178	11.471	11.464	11.498	VV	35357	646832	11.39%	0.394%
179	11.520	11.498	11.549	VV	45055	1208468	21.28%	0.735%
180	11.565	11.549	11.609	VV	53096	1369109	24.11%	0.833%
181	11.639	11.609	11.661	VV	38359	960123	16.91%	0.584%
182	11.696	11.661	11.725	VV	52009	1436817	25.30%	0.874%
183	11.732	11.725	11.765	VV	33027	669028	11.78%	0.407%
184	11.781	11.765	11.788	VV	27191	365704	6.44%	0.223%
185	11.815	11.788	11.834	VV	285334	3572171	62.90%	2.174%
186	11.846	11.834	11.861	VV	72583	962949	16.96%	0.586%
187	11.878	11.861	11.918	VV	81955	1539783	27.11%	0.937%
188	11.944	11.918	11.971	VV	35147	966330	17.02%	0.588%
189	11.994	11.971	12.011	VV	62407	1048943	18.47%	0.638%
190	12.027	12.011	12.077	VV	55943	1465530	25.81%	0.892%
191	12.098	12.077	12.115	VV	29671	604878	10.65%	0.368%
192	12.145	12.115	12.169	VV	36862	993013	17.49%	0.604%
193	12.187	12.169	12.208	VV	37459	733933	12.92%	0.447%
194	12.224	12.208	12.235	VV	29602	463912	8.17%	0.282%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5B

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

195	12.248	12.235	12.266	VV	32421	518147	9.12%	0.315%
196	12.283	12.266	12.300	VV	24635	476188	8	
197	12.307	12.300	12.311	VV	23141	163891	2	
198	12.327	12.311	12.333	VV	24400	310378	5	
199	12.349	12.333	12.363	VV	30522	480910	8	
200	12.382	12.363	12.403	VV	36233	706690	12	
201	12.422	12.403	12.444	VV	33891	699969	12.33%	0.426%
202	12.464	12.444	12.485	VV	29763	625424	11.01%	0.381%
203	12.504	12.485	12.509	VV	22602	317445	5.59%	0.193%
204	12.527	12.509	12.557	VV	28453	710140	12.50%	0.432%
205	12.592	12.557	12.620	VV	31252	963817	16.97%	0.587%
206	12.640	12.620	12.695	VV	45126	1441250	25.38%	0.877%
207	12.717	12.695	12.723	VV	24638	385065	6.78%	0.234%
208	12.748	12.723	12.769	VV	63852	1155939	20.35%	0.703%
209	12.786	12.769	12.801	VV	40102	664302	11.70%	0.404%
210	12.813	12.801	12.845	VV	36705	730613	12.86%	0.445%
211	12.864	12.845	12.914	VV	32447	1000019	17.61%	0.609%
212	12.924	12.914	12.949	VV	16849	331370	5.83%	0.202%
213	12.991	12.949	13.016	VV	24385	742793	13.08%	0.452%
214	13.023	13.016	13.038	VV	15875	203131	3.58%	0.124%
215	13.059	13.038	13.076	VV	18568	384662	6.77%	0.234%
216	13.086	13.076	13.097	VV	17583	214580	3.78%	0.131%
217	13.117	13.097	13.139	VV	17318	397195	6.99%	0.242%
218	13.161	13.139	13.214	VV	24570	776642	13.68%	0.473%
219	13.260	13.214	13.286	VV	44410	1000119	17.61%	0.609%
220	13.308	13.286	13.328	VV	19630	455378	8.02%	0.277%
221	13.333	13.328	13.362	VV	18112	340167	5.99%	0.207%
222	13.369	13.362	13.410	VV	14588	363003	6.39%	0.221%
223	13.450	13.410	13.473	VV	21958	652768	11.49%	0.397%
224	13.496	13.473	13.540	VV	27141	700725	12.34%	0.426%
225	13.561	13.540	13.575	VV	17661	306262	5.39%	0.186%
226	13.594	13.575	13.621	VV	17823	409457	7.21%	0.249%
227	13.635	13.621	13.649	VV	12351	197378	3.48%	0.120%
228	13.667	13.649	13.698	VV	14771	393358	6.93%	0.239%
229	13.710	13.698	13.732	VV	12894	250736	4.42%	0.153%
230	13.758	13.732	13.783	VV	13604	361517	6.37%	0.220%
231	13.790	13.783	13.823	VV	10550	224540	3.95%	0.137%
232	13.829	13.823	13.841	VV	8578	86200	1.52%	0.052%
233	13.870	13.841	13.886	VV	10189	244987	4.31%	0.149%
234	13.903	13.886	13.923	VV	11123	230670	4.06%	0.140%
235	13.941	13.923	13.997	VV	11874	466102	8.21%	0.284%
236	14.025	13.997	14.058	VV	13619	384941	6.78%	0.234%
237	14.072	14.058	14.091	VV	9885	174108	3.07%	0.106%
238	14.110	14.091	14.188	VV	7734	386589	6.81%	0.235%
239	14.212	14.188	14.258	VV	7102	247808	4.36%	0.151%
240	14.264	14.258	14.281	VV	5455	71970	1.27%	0.044%
241	14.318	14.281	14.340	VV	5761	183977	3.24%	0.112%
242	14.374	14.340	14.396	VV	7219	193177	3.40%	0.118%
243	14.406	14.396	14.421	VV	4821	72226	1.27%	0.044%
244	14.427	14.421	14.431	VV	4696	28256	0.50%	0.017%
245	14.458	14.431	14.464	VV	5761	103488	1.82%	0.063%
246	14.470	14.464	14.551	VV	5786	253025	4.46%	0.154%

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rteres

247	14.581	14.551	14.601	VV	5615	148804	2.62%	0.091%
248	14.607	14.601	14.649	VV	5348	131091	2	
249	14.698	14.649	14.720	VV	5398	197778	3	
250	14.735	14.720	14.758	VV	5028	101229	1	
251	14.774	14.758	14.805	VV	3912	101097	1	
252	14.823	14.805	14.841	VV	3236	65862	1	
253	14.863	14.841	14.882	VV	3756	83493	1.47%	0.051%
254	14.898	14.882	14.920	VV	3703	75758	1.33%	0.046%
255	14.935	14.920	14.963	VV	2818	65344	1.15%	0.040%
256	14.970	14.963	14.983	VV	2440	27115	0.48%	0.017%
257	15.003	14.983	15.020	VV	2507	51286	0.90%	0.031%
258	15.029	15.020	15.036	VV	2161	19431	0.34%	0.012%
259	15.060	15.036	15.064	VV	2621	39247	0.69%	0.024%
260	15.085	15.064	15.104	VV	3979	81149	1.43%	0.049%
261	15.122	15.104	15.166	VV	4293	114067	2.01%	0.069%
262	15.169	15.166	15.183	VV	2100	19771	0.35%	0.012%
263	15.204	15.183	15.233	VV	2362	65568	1.15%	0.040%
264	15.243	15.233	15.258	VV	2347	33244	0.59%	0.020%
265	15.263	15.258	15.278	VV	2252	24542	0.43%	0.015%
266	15.288	15.278	15.306	VV	2001	30902	0.54%	0.019%
267	15.317	15.306	15.324	VV	1638	16225	0.29%	0.010%
268	15.333	15.324	15.341	VV	1685	16082	0.28%	0.010%
269	15.355	15.341	15.385	VV	2026	45444	0.80%	0.028%
270	15.394	15.385	15.400	VV	1295	10935	0.19%	0.007%
271	15.403	15.400	15.409	VV	1198	6479	0.11%	0.004%
272	15.427	15.409	15.441	VV	1287	22330	0.39%	0.014%
273	15.443	15.441	15.449	VV	1038	4541	0.08%	0.003%
274	15.509	15.449	15.609	VV	6061	246832	4.35%	0.150%
275	15.613	15.609	15.616	VV	1351	5471	0.10%	0.003%
276	15.620	15.616	15.625	VV	1355	6958	0.12%	0.004%
277	15.657	15.625	15.685	VV	2730	65314	1.15%	0.040%
278	15.690	15.685	15.710	VV	1089	14320	0.25%	0.009%
279	15.730	15.710	15.750	VV	1769	32697	0.58%	0.020%
280	15.762	15.750	15.803	VV	1366	36389	0.64%	0.022%
281	15.816	15.803	15.822	VV	925	10035	0.18%	0.006%
282	15.850	15.822	15.868	VV	1453	31568	0.56%	0.019%
283	15.887	15.868	15.914	VV	1280	30636	0.54%	0.019%
284	15.924	15.914	15.943	VV	965	16244	0.29%	0.010%
285	15.949	15.943	15.977	VV	999	18878	0.33%	0.011%
286	15.983	15.977	15.995	VV	902	8888	0.16%	0.005%
287	15.997	15.995	16.005	VV	776	4007	0.07%	0.002%
288	16.014	16.005	16.030	VV	899	12015	0.21%	0.007%
289	16.043	16.030	16.071	VV	828	16794	0.30%	0.010%
290	16.078	16.071	16.083	VV	632	4300	0.08%	0.003%
291	16.101	16.083	16.124	VV	1297	23079	0.41%	0.014%
292	16.146	16.124	16.184	VV	2355	47749	0.84%	0.029%
293	16.194	16.184	16.255	VV	774	20489	0.36%	0.012%
294	16.262	16.255	16.279	VV	262	1477	0.03%	0.001%
295	16.325	16.279	16.331	PV	608	8781	0.15%	0.005%
296	16.339	16.331	16.358	VV	669	7542	0.13%	0.005%
297	16.373	16.358	16.385	VV	397	4535	0.08%	0.003%
298	16.391	16.385	16.397	VV	310	1493	0.03%	0.001%
299	16.428	16.397	16.435	VV	545	7563	0.13%	0.005%

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Manual IntegrationsAPPROVED

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					rteres			
300	16.438	16.435	16.467	VV	543	4790	0.08%	0.003%
301	16.484	16.467	16.493	VV	295	2535		
302	16.527	16.500	16.532	VV	1094	11955		
303	16.534	16.532	16.569	VV	1067	14173		
304	16.624	16.569	16.673	VV	1148	34647		
305	16.676	16.673	16.681	VV	427	1814		
306	16.710	16.681	16.733	VV	726	12442	0.22%	0.008%
307	16.775	16.733	16.811	VV	897	25152	0.44%	0.015%
308	16.816	16.811	16.841	VV	539	6709	0.12%	0.004%
309	16.846	16.841	16.859	VV	414	2741	0.05%	0.002%
310	16.902	16.872	16.916	VV	545	8661	0.15%	0.005%
311	16.924	16.916	16.928	VV	512	2717	0.05%	0.002%
312	16.940	16.928	16.971	VV	689	12430	0.22%	0.008%
313	17.016	16.971	17.036	VV	619	17824	0.31%	0.011%
314	17.069	17.036	17.077	VV	911	14124	0.25%	0.009%
315	17.100	17.077	17.120	VV	1854	29405	0.52%	0.018%
316	17.145	17.120	17.186	VV	2584	44048	0.78%	0.027%
317	17.201	17.186	17.206	VV	385	3556	0.06%	0.002%
318	17.213	17.206	17.225	VV	239	1905	0.03%	0.001%
319	17.246	17.225	17.269	VV	327	4957	0.09%	0.003%
320	17.278	17.269	17.288	VV	257	2210	0.04%	0.001%
321	17.296	17.288	17.313	VV	164	1674	0.03%	0.001%
322	17.322	17.313	17.352	VV	356	5299	0.09%	0.003%
323	17.361	17.352	17.367	VV	284	2037	0.04%	0.001%
324	17.376	17.367	17.381	VV	345	2540	0.04%	0.002%
325	17.403	17.381	17.419	VV	747	12861	0.23%	0.008%
326	17.436	17.419	17.466	VV	619	13758	0.24%	0.008%
327	17.495	17.466	17.512	VV	851	19853	0.35%	0.012%
328	17.533	17.512	17.538	VV	853	11673	0.21%	0.007%
329	17.559	17.538	17.598	VV	1400	30226	0.53%	0.018%
330	17.603	17.598	17.622	VV	455	5538	0.10%	0.003%
331	17.647	17.622	17.654	VV	558	9452	0.17%	0.006%
332	17.660	17.654	17.678	VV	535	5755	0.10%	0.004%
333	17.702	17.678	17.747	VV	588	15813	0.28%	0.010%
334	17.763	17.747	17.770	VV	518	5706	0.10%	0.003%
335	17.774	17.770	17.787	VV	498	3542	0.06%	0.002%
336	17.799	17.787	17.803	VV	413	2776	0.05%	0.002%
337	17.809	17.803	17.815	VV	418	2345	0.04%	0.001%
338	17.822	17.815	17.854	VV	304	4892	0.09%	0.003%
339	17.878	17.868	17.889	PV	174	1067	0.02%	0.001%
340	17.905	17.889	17.916	PV	190	1788	0.03%	0.001%
341	17.989	17.916	18.015	VV	1712	44077	0.78%	0.027%
342	18.023	18.015	18.032	VV	425	2905	0.05%	0.002%
343	18.039	18.032	18.045	VV	329	1883	0.03%	0.001%
344	18.050	18.045	18.056	VV	332	1736	0.03%	0.001%
345	18.079	18.056	18.111	VV	899	19383	0.34%	0.012%
346	18.116	18.111	18.122	VV	439	2748	0.05%	0.002%
347	18.128	18.122	18.136	VV	416	3175	0.06%	0.002%
348	18.157	18.136	18.182	VV	889	16758	0.30%	0.010%
349	18.193	18.182	18.203	VV	470	3948	0.07%	0.002%
350	18.209	18.203	18.224	VV	509	4786	0.08%	0.003%
351	18.249	18.224	18.255	VV	567	7428	0.13%	0.005%

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					rteres			
352	18.267	18.255	18.285	VV	634	8483	0.15%	0.005%
353	18.320	18.285	18.324	VV	577	10520		
354	18.357	18.324	18.397	VV	3270	92990		
355	18.413	18.397	18.461	VV	1611	38132		
356	18.475	18.461	18.481	PV	325	1803		
357	18.499	18.481	18.532	VV	475	9408		
358	18.543	18.532	18.561	VV	302	3977	0.07%	0.002%
359	18.568	18.561	18.574	VV	316	1959	0.03%	0.001%
360	18.580	18.574	18.591	VV	380	1986	0.03%	0.001%
361	18.606	18.591	18.612	VV	280	1669	0.03%	0.001%
362	18.636	18.612	18.647	VV	808	8678	0.15%	0.005%
363	18.663	18.647	18.671	VV	532	6047	0.11%	0.004%
364	18.686	18.671	18.706	VV	597	9323	0.16%	0.006%
365	18.711	18.706	18.724	VV	335	1923	0.03%	0.001%
366	18.736	18.724	18.745	VV	167	1323	0.02%	0.001%

Sum of corrected areas: 164316649

Aromatic EPH 090424.M Fri Sep 20 03:20:08 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5BDL		SDG No.:	P4103	
Lab Sample ID:	P4103-07DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.1	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050238.D	5	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	12.0		2.10	5.54	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	59.5		1.33	3.69	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	48.8		1.66	5.54	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	5.25	J	4.43	7.38	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.2		9.97	11.1	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.45		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-07DL	Acq On:	20 Sep 2024 10:45
Client Sample ID:	WC-14-5-7.5BDL	Operator:	YP\AJ
Data file:	FE050238.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.158	6.776	4451840	32.429	300	ug/ml
Aliphatic C12-C16	6.777	10.209	22145632	161.015	200	ug/ml
Aliphatic C16-C21	10.210	13.569	17866654	132.136	300	ug/ml
Aliphatic C21-C28	13.570	17.223	1841351	14.231	400	ug/ml
Aliphatic C28-C40	17.224	22.077	5264219	43.833	600	ug/ml
Aliphatic EPH	3.158	22.077	51569696	383.644		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.303	13.303	725063	6.45		ug/ml
Aliphatic C9-C28	3.158	17.223	46305477	339.811	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050238.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 10:45
Operator : YP\AJ
Sample : P4103-07DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5BDL

Integration File: autoint1.e
Quant Time: Sep 21 03:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.303	725063	6.455 ug/ml
Spiked Amount 50.000		Recovery = 12.91%	
Target Compounds			

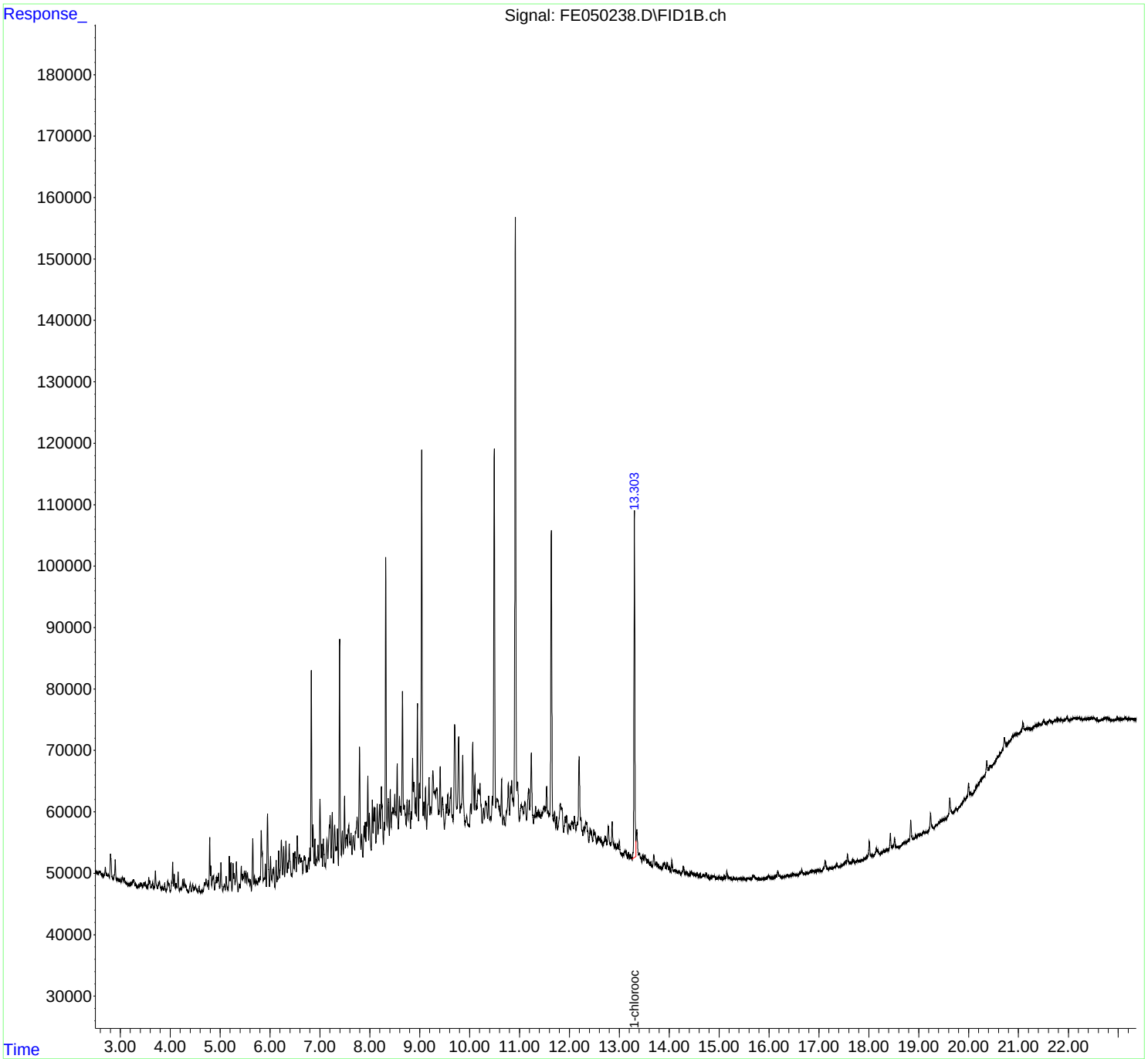
(f)=RT Delta > 1/2 Window (m)=manual int.

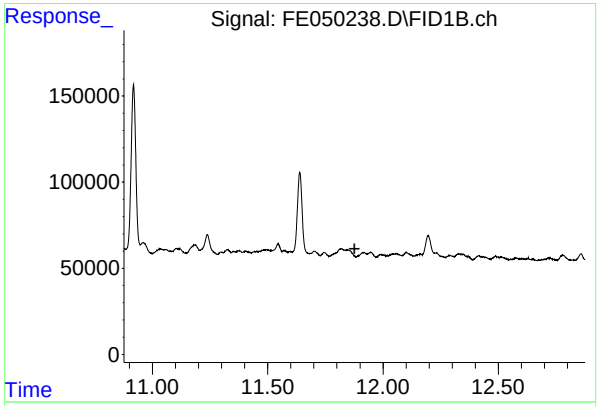
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050238.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 10:45
Operator : YP\AJ
Sample : P4103-07DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5BDL

Integration File: autoint1.e
Quant Time: Sep 21 03:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

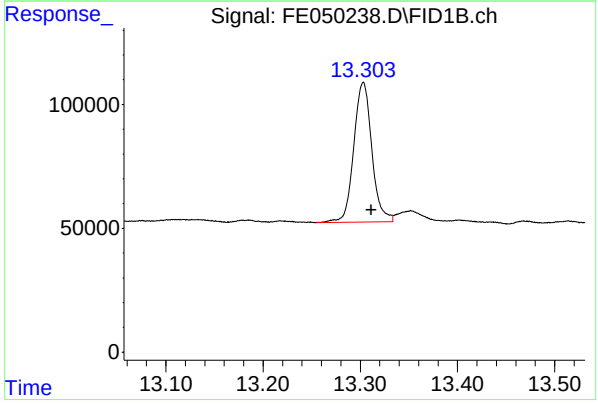




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-5-7.5BDL



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.009 min
Response: 725063
Conc: 6.45 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050238.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 10:45
Sample : P4103-07DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.181	3.121	3.211	BV	5	-2143	-0.12%	-0.004%
2	3.239	3.211	3.246	PV	552	5580	0.31%	0.011%
3	3.271	3.246	3.295	VV	930	17561	0.96%	0.033%
4	3.306	3.295	3.356	VV	198	3545	0.19%	0.007%
5	3.402	3.356	3.416	PV	716	9165	0.50%	0.017%
6	3.429	3.416	3.448	VV	575	6960	0.38%	0.013%
7	3.470	3.448	3.484	VV	822	10126	0.55%	0.019%
8	3.499	3.484	3.525	VV	937	13094	0.72%	0.025%
9	3.538	3.525	3.551	VV	291	3291	0.18%	0.006%
10	3.571	3.551	3.614	VV	1750	32616	1.79%	0.062%
11	3.649	3.614	3.680	VV	1144	20500	1.12%	0.039%
12	3.703	3.680	3.745	VV	2992	42065	2.30%	0.080%
13	3.785	3.745	3.821	VV	1408	31366	1.72%	0.060%
14	3.841	3.821	3.871	VV	517	9723	0.53%	0.018%
15	3.889	3.871	3.921	VV	1202	12838	0.70%	0.024%
16	3.952	3.921	4.002	PV	1665	37617	2.06%	0.071%
17	4.049	4.002	4.067	VV	4759	65093	3.56%	0.124%
18	4.083	4.067	4.102	VV	2758	34771	1.90%	0.066%
19	4.117	4.102	4.136	VV	1250	19577	1.07%	0.037%
20	4.159	4.136	4.182	VV	3248	40916	2.24%	0.078%
21	4.199	4.182	4.210	VV	669	7781	0.43%	0.015%
22	4.250	4.210	4.264	VV	2102	31942	1.75%	0.061%
23	4.280	4.264	4.296	VV	2212	28804	1.58%	0.055%
24	4.314	4.296	4.336	VV	1155	21114	1.16%	0.040%
25	4.344	4.336	4.363	VV	504	4432	0.24%	0.008%
26	4.401	4.363	4.424	PV	1590	23486	1.29%	0.045%
27	4.449	4.424	4.473	VV	1353	23191	1.27%	0.044%
28	4.509	4.473	4.561	VV	1117	30061	1.65%	0.057%
29	4.578	4.561	4.621	VV	974	13178	0.72%	0.025%
30	4.636	4.621	4.653	PV	375	4192	0.23%	0.008%
31	4.693	4.653	4.704	VV	1632	27710	1.52%	0.053%
32	4.718	4.704	4.744	VV	2150	37044	2.03%	0.070%
33	4.758	4.744	4.774	VV	1949	23499	1.29%	0.045%
34	4.792	4.774	4.806	VV	8877	89957	4.93%	0.171%
35	4.815	4.806	4.833	VV	4327	45251	2.48%	0.086%
36	4.851	4.833	4.860	VV	2588	33571	1.84%	0.064%

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37	4.869	4.860	4.889	VV	2709	31388	1.72%	0.060%
38	4.925	4.889	4.936	VV	2491	43477	2.38%	0.083%
39	4.948	4.936	4.957	VV	2431	26649	1.46%	0.051%
40	4.970	4.957	4.998	VV	3135	42766	2.34%	0.081%
41	5.017	4.998	5.055	VV	4753	65739	3.60%	0.125%
42	5.086	5.055	5.104	VV	1262	22412	1.23%	0.043%
43	5.122	5.104	5.160	VV	2574	38142	2.09%	0.072%
44	5.185	5.160	5.200	VV	5734	66463	3.64%	0.126%
45	5.216	5.200	5.238	VV	4732	57972	3.17%	0.110%
46	5.260	5.238	5.275	VV	4611	54320	2.97%	0.103%
47	5.284	5.275	5.299	VV	3050	33769	1.85%	0.064%
48	5.326	5.299	5.360	VV	4868	78853	4.32%	0.150%
49	5.390	5.360	5.404	VV	1150	20632	1.13%	0.039%
50	5.424	5.404	5.438	VV	4167	52970	2.90%	0.101%
51	5.448	5.438	5.459	VV	2844	30244	1.66%	0.057%
52	5.485	5.459	5.500	VV	3353	62319	3.41%	0.118%
53	5.517	5.500	5.533	VV	3254	48345	2.65%	0.092%
54	5.548	5.533	5.574	VV	2982	54451	2.98%	0.103%
55	5.584	5.574	5.597	VV	2000	22208	1.22%	0.042%
56	5.610	5.597	5.628	VV	1900	21572	1.18%	0.041%
57	5.655	5.628	5.675	VV	8580	106294	5.82%	0.202%
58	5.688	5.675	5.705	VV	2526	32130	1.76%	0.061%
59	5.719	5.705	5.731	VV	2036	24803	1.36%	0.047%
60	5.740	5.731	5.751	VV	1568	16339	0.89%	0.031%
61	5.772	5.751	5.784	VV	2226	33917	1.86%	0.064%
62	5.825	5.784	5.866	VV	9891	225473	12.35%	0.429%
63	5.876	5.866	5.883	VV	2052	20050	1.10%	0.038%
64	5.908	5.883	5.926	VV	4442	66364	3.63%	0.126%
65	5.951	5.926	5.990	VV	12531	208730	11.43%	0.397%
66	6.011	5.990	6.041	VV	5570	89023	4.88%	0.169%
67	6.075	6.041	6.101	VV	3815	88630	4.85%	0.168%
68	6.124	6.101	6.141	VV	4981	62261	3.41%	0.118%
69	6.175	6.141	6.194	VV	6485	106061	5.81%	0.202%
70	6.228	6.194	6.254	VV	8232	173779	9.52%	0.330%
71	6.275	6.254	6.294	VV	7182	107903	5.91%	0.205%
72	6.320	6.294	6.345	VV	7942	144285	7.90%	0.274%
73	6.361	6.345	6.370	VV	4584	57391	3.14%	0.109%
74	6.385	6.370	6.428	VV	7547	165608	9.07%	0.315%
75	6.469	6.428	6.485	VV	6091	133390	7.31%	0.254%
76	6.501	6.485	6.528	VV	6278	125942	6.90%	0.239%
77	6.547	6.528	6.572	VV	8852	159705	8.75%	0.304%
78	6.592	6.572	6.610	VV	5767	117195	6.42%	0.223%
79	6.624	6.610	6.659	VV	5235	132064	7.23%	0.251%
80	6.690	6.659	6.724	VV	5566	178222	9.76%	0.339%
81	6.735	6.724	6.747	VV	3977	48036	2.63%	0.091%
82	6.771	6.747	6.785	VV	5221	94080	5.15%	0.179%
83	6.828	6.785	6.851	VV	35804	540416	29.60%	1.027%
84	6.863	6.851	6.885	VV	10642	152930	8.38%	0.291%
85	6.901	6.885	6.920	VV	8234	120966	6.62%	0.230%
86	6.962	6.920	6.979	VV	7218	189080	10.36%	0.359%
87	7.002	6.979	7.028	VV	14756	264831	14.50%	0.503%
88	7.039	7.028	7.053	VV	7361	90883	4.98%	0.173%
89	7.069	7.053	7.113	VV	8241	197282	10.80%	0.375%

90	7.142	7.113	7.161	VV	8251	179033	9.81%	0.340%
91	7.205	7.161	7.226	VV	12033	333858	18.28%	0.635%
92	7.248	7.226	7.274	VV	12597	231161	12.66%	0.439%
93	7.297	7.274	7.319	VV	10418	208026	11.39%	0.395%
94	7.328	7.319	7.337	VV	6883	70624	3.87%	0.134%
95	7.352	7.337	7.370	VV	9786	145941	7.99%	0.277%
96	7.395	7.370	7.431	VV	40740	589774	32.30%	1.121%
97	7.450	7.431	7.469	VV	9450	174013	9.53%	0.331%
98	7.495	7.469	7.513	VV	15212	255644	14.00%	0.486%
99	7.538	7.513	7.553	VV	8910	193156	10.58%	0.367%
100	7.580	7.553	7.610	VV	10472	293463	16.07%	0.558%
101	7.624	7.610	7.644	VV	9151	158243	8.67%	0.301%
102	7.669	7.644	7.694	VV	8620	220875	12.10%	0.420%
103	7.746	7.694	7.768	VV	11688	422116	23.12%	0.802%
104	7.796	7.768	7.823	VV	23085	444286	24.33%	0.844%
105	7.838	7.823	7.862	VV	8871	166145	9.10%	0.316%
106	7.884	7.862	7.896	VV	10214	163251	8.94%	0.310%
107	7.908	7.896	7.922	VV	10842	149460	8.19%	0.284%
108	7.962	7.922	7.978	VV	18297	393618	21.56%	0.748%
109	7.992	7.978	8.028	VV	12364	273784	14.99%	0.520%
110	8.052	8.028	8.067	VV	14355	241690	13.24%	0.459%
111	8.083	8.067	8.094	VV	13181	187904	10.29%	0.357%
112	8.104	8.094	8.123	VV	13186	185325	10.15%	0.352%
113	8.150	8.123	8.168	VV	13713	277881	15.22%	0.528%
114	8.198	8.168	8.214	VV	13665	315610	17.29%	0.600%
115	8.232	8.214	8.274	VV	16494	437409	23.96%	0.831%
116	8.292	8.274	8.299	VV	10776	142296	7.79%	0.270%
117	8.321	8.299	8.347	VV	53862	728933	39.92%	1.385%
118	8.369	8.347	8.392	VV	14607	328500	17.99%	0.624%
119	8.411	8.392	8.430	VV	15999	275823	15.11%	0.524%
120	8.793	8.767	8.818	VV	14287	377637	20.68%	0.718%
121	8.886	8.872	8.910	VV	17132	353943	19.38%	0.673%
122	8.924	8.910	8.936	VV	14619	211176	11.57%	0.401%
123	8.955	8.936	8.978	VV	29818	475486	26.04%	0.904%
124	8.996	8.978	9.006	VV	17038	239691	13.13%	0.456%
125	9.042	9.006	9.069	VV	71262	1210162	66.28%	2.300%
126	9.086	9.069	9.103	VV	13868	263283	14.42%	0.500%
127	9.118	9.103	9.141	VV	16251	301524	16.51%	0.573%
128	9.188	9.141	9.206	VV	17865	525331	28.77%	0.998%
129	9.220	9.206	9.233	VV	13087	200073	10.96%	0.380%
130	9.266	9.233	9.294	VV	18837	587459	32.17%	1.117%
131	9.306	9.294	9.321	VV	15659	240642	13.18%	0.457%
132	9.344	9.321	9.378	VV	16112	509427	27.90%	0.968%
133	9.412	9.378	9.435	VV	19580	491740	26.93%	0.935%
134	9.456	9.435	9.496	VV	14455	464316	25.43%	0.882%
135	9.532	9.496	9.545	VV	13401	338722	18.55%	0.644%
136	9.563	9.545	9.595	VV	15085	388770	21.29%	0.739%
137	9.629	9.595	9.670	VV	16087	595456	32.61%	1.132%
138	9.703	9.670	9.754	VV	26494	876016	47.98%	1.665%
139	9.781	9.754	9.810	VV	24309	585218	32.05%	1.112%
140	9.864	9.810	9.909	VV	21239	843279	46.18%	1.603%
141	9.944	9.909	9.976	VV	11511	425282	23.29%	0.808%

142	9.988	9.976	9.997	VV	10081	124579	6.82%	0.237%
143	10.022	9.997	10.037	VV	13393	283404	15.52%	0.539%
144	10.063	10.037	10.093	VV	23412	581896	31.87%	1.106%
145	10.109	10.093	10.128	VV	18154	318469	17.44%	0.605%
146	10.138	10.128	10.147	VV	13095	142066	7.78%	0.270%
147	10.169	10.147	10.177	VV	15491	257256	14.09%	0.489%
148	10.186	10.177	10.197	VV	15635	189099	10.36%	0.359%
149	10.210	10.197	10.251	VV	16663	446847	24.47%	0.849%
150	10.280	10.251	10.298	VV	12632	325545	17.83%	0.619%
151	10.321	10.298	10.332	VV	13814	261630	14.33%	0.497%
152	10.337	10.332	10.362	VV	13464	222590	12.19%	0.423%
153	10.384	10.362	10.409	VV	14617	350520	19.20%	0.666%
154	10.424	10.409	10.434	VV	11296	163985	8.98%	0.312%
155	10.456	10.434	10.466	VV	14538	253857	13.90%	0.482%
156	10.495	10.466	10.526	VV	70978	1224862	67.08%	2.328%
157	10.555	10.526	10.614	VV	14129	704200	38.57%	1.338%
158	10.643	10.614	10.667	VV	17217	411103	22.52%	0.781%
159	10.684	10.667	10.714	VV	11253	302777	16.58%	0.575%
160	10.776	10.714	10.804	VV	16709	696223	38.13%	1.323%
161	10.826	10.804	10.834	VV	16024	250769	13.73%	0.477%
162	10.845	10.834	10.884	VV	17106	445103	24.38%	0.846%
163	10.918	10.884	10.948	VV	108388	1825905	100.00%	3.470%
164	10.960	10.948	10.998	VV	16840	423185	23.18%	0.804%
165	11.036	10.998	11.084	VV	13138	633718	34.71%	1.204%
166	11.299	11.284	11.306	VV	11336	143089	7.84%	0.272%
167	11.599	11.588	11.605	VV	11563	117681	6.45%	0.224%
168	11.639	11.605	11.681	VV	57654	1148743	62.91%	2.183%
169	11.703	11.681	11.727	VV	11793	296453	16.24%	0.563%
170	11.745	11.727	11.768	VV	10967	243115	13.31%	0.462%
171	11.916	11.885	11.931	VV	10979	278635	15.26%	0.530%
172	11.946	11.931	11.971	VV	11083	236497	12.95%	0.449%
173	11.991	11.971	12.024	VV	9753	296954	16.26%	0.564%
174	12.058	12.024	12.083	VV	10183	342168	18.74%	0.650%
175	12.101	12.083	12.134	VV	10907	300608	16.46%	0.571%
176	12.196	12.134	12.269	VV	20709	936554	51.29%	1.780%
177	12.289	12.269	12.306	VV	9239	196404	10.76%	0.373%
178	12.329	12.306	12.341	VV	10048	197585	10.82%	0.376%
179	12.345	12.341	12.389	VV	9939	246759	13.51%	0.469%
180	12.415	12.389	12.465	VV	8995	360249	19.73%	0.685%
181	12.489	12.465	12.504	VV	8733	189009	10.35%	0.359%
182	12.513	12.504	12.548	VV	8278	196868	10.78%	0.374%
183	12.579	12.548	12.591	VV	7624	186643	10.22%	0.355%
184	12.605	12.591	12.616	VV	7256	105440	5.77%	0.200%
185	12.629	12.616	12.669	VV	7224	216762	11.87%	0.412%
186	12.720	12.669	12.754	VV	7588	349052	19.12%	0.663%
187	12.780	12.754	12.834	VV	9282	356472	19.52%	0.678%
188	12.858	12.834	12.901	VV	10026	295496	16.18%	0.562%
189	12.918	12.901	12.941	VV	6202	139571	7.64%	0.265%
190	12.969	12.941	12.983	VV	6282	151918	8.32%	0.289%
191	13.002	12.983	13.061	VV	6722	248500	13.61%	0.472%
192	13.075	13.061	13.085	VV	4712	65627	3.59%	0.125%
193	13.116	13.085	13.163	VV	5125	224392	12.29%	0.426%
194	13.183	13.163	13.206	VV	4852	114344	6.26%	0.217%

195	13.219	13.206	13.254	VV	4574	123248	6.75%	0.234%
196	13.303	13.254	13.334	VV	60896	918595	50.31%	1.746%
197	13.351	13.334	13.390	VV	8554	221984	12.16%	0.422%
198	13.402	13.390	13.452	VV	4819	156789	8.59%	0.298%
199	13.469	13.452	13.488	VV	4463	86360	4.73%	0.164%
200	13.514	13.488	13.554	VV	4492	153866	8.43%	0.292%
201	13.570	13.554	13.594	VV	3579	81921	4.49%	0.156%
202	13.601	13.594	13.616	VV	3257	39633	2.17%	0.075%
203	13.632	13.616	13.657	VV	3279	70787	3.88%	0.135%
204	13.691	13.657	13.718	VV	4458	126388	6.92%	0.240%
205	13.740	13.718	13.763	VV	3203	79642	4.36%	0.151%
206	13.778	13.763	13.804	VV	2867	64969	3.56%	0.123%
207	13.812	13.804	13.842	VV	2435	53054	2.91%	0.101%
208	13.904	13.842	13.941	VV	3139	152313	8.34%	0.289%
209	13.964	13.941	13.988	VV	3082	74521	4.08%	0.142%
210	14.003	13.988	14.028	VV	2466	49641	2.72%	0.094%
211	14.052	14.028	14.090	VV	3497	85819	4.70%	0.163%
212	14.107	14.090	14.124	VV	1953	38716	2.12%	0.074%
213	14.138	14.124	14.173	VV	1893	48264	2.64%	0.092%
214	14.198	14.173	14.228	VV	1779	49710	2.72%	0.094%
215	14.286	14.228	14.332	VV	2508	100800	5.52%	0.192%
216	14.352	14.332	14.394	VV	1517	47720	2.61%	0.091%
217	14.440	14.394	14.458	VV	1584	48519	2.66%	0.092%
218	14.463	14.458	14.511	VV	1345	38477	2.11%	0.073%
219	14.522	14.511	14.539	VV	1149	18103	0.99%	0.034%
220	14.560	14.539	14.594	VV	1378	32911	1.80%	0.063%
221	14.615	14.594	14.661	VV	1249	34312	1.88%	0.065%
222	14.683	14.661	14.710	VV	1141	26858	1.47%	0.051%
223	14.736	14.710	14.838	VV	1277	56692	3.10%	0.108%
224	14.867	14.838	14.881	VV	841	17225	0.94%	0.033%
225	14.906	14.881	14.951	VV	745	23512	1.29%	0.045%
226	14.988	14.951	15.031	VV	595	22049	1.21%	0.042%
227	15.044	15.031	15.056	VV	456	5843	0.32%	0.011%
228	15.067	15.056	15.089	VV	456	8291	0.45%	0.016%
229	15.111	15.089	15.130	VV	707	12647	0.69%	0.024%
230	15.155	15.130	15.188	VV	1553	29341	1.61%	0.056%
231	15.195	15.188	15.256	VV	554	15935	0.87%	0.030%
232	15.297	15.256	15.328	VV	450	11104	0.61%	0.021%
233	15.356	15.328	15.370	VV	225	4796	0.26%	0.009%
234	15.403	15.370	15.425	VV	335	8362	0.46%	0.016%
235	15.438	15.425	15.461	VV	292	4719	0.26%	0.009%
236	15.487	15.461	15.526	VV	334	8783	0.48%	0.017%
237	15.540	15.526	15.554	VV	160	2452	0.13%	0.005%
238	15.580	15.554	15.618	VV	400	9277	0.51%	0.018%
239	15.634	15.618	15.653	VV	332	5092	0.28%	0.010%
240	15.677	15.653	15.780	VV	717	28940	1.58%	0.055%
241	15.807	15.780	15.834	VV	256	4235	0.23%	0.008%
242	15.862	15.834	15.871	PV	147	1952	0.11%	0.004%
243	15.931	15.871	15.954	VV	305	7777	0.43%	0.015%
244	15.985	15.954	16.048	VV	549	16311	0.89%	0.031%
245	16.059	16.048	16.071	VV	176	1980	0.11%	0.004%
246	16.135	16.071	16.152	VV	429	10838	0.59%	0.021%

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247	16.176	16.152	16.203	VV	1186	20076	1.10%	0.038%
248	16.215	16.203	16.254	VV	386	7469	0.41%	0.014%
249	16.273	16.254	16.283	PV	177	1605	0.09%	0.003%
250	16.302	16.283	16.314	VV	156	2039	0.11%	0.004%
251	16.322	16.314	16.334	VV	126	1438	0.08%	0.003%
252	16.372	16.334	16.394	VV	344	8596	0.47%	0.016%
253	16.402	16.394	16.415	VV	182	2233	0.12%	0.004%
254	16.424	16.415	16.448	VV	128	2147	0.12%	0.004%
255	16.499	16.448	16.522	VV	355	11007	0.60%	0.021%
256	16.536	16.522	16.551	VV	222	2848	0.16%	0.005%
257	16.561	16.551	16.571	VV	172	1265	0.07%	0.002%
258	16.656	16.571	16.684	PV	897	21381	1.17%	0.041%
259	16.698	16.684	16.714	VV	214	2591	0.14%	0.005%
260	16.744	16.714	16.761	PV	170	3170	0.17%	0.006%
261	16.769	16.761	16.781	VV	157	1129	0.06%	0.002%
262	16.826	16.781	16.854	VV	363	8505	0.47%	0.016%
263	16.872	16.854	16.906	VV	405	8343	0.46%	0.016%
264	16.922	16.906	16.941	VV	269	3555	0.19%	0.007%
265	16.991	16.941	17.044	VV	270	9506	0.52%	0.018%
266	17.055	17.044	17.062	VV	73	492	0.03%	0.001%
267	17.124	17.062	17.169	VV	1547	38492	2.11%	0.073%
268	17.178	17.169	17.198	VV	192	2233	0.12%	0.004%
269	17.238	17.198	17.265	VV	177	5832	0.32%	0.011%
270	17.363	17.265	17.411	PV	707	19164	1.05%	0.036%
271	17.452	17.411	17.461	VV	238	3793	0.21%	0.007%
272	17.532	17.461	17.547	VV	614	18098	0.99%	0.034%
273	17.573	17.547	17.627	VV	1718	33222	1.82%	0.063%
274	17.687	17.627	17.718	VV	579	17836	0.98%	0.034%
275	17.740	17.718	17.758	VV	228	3826	0.21%	0.007%
276	17.771	17.758	17.799	VV	375	5399	0.30%	0.010%
277	17.807	17.799	17.821	VV	115	1073	0.06%	0.002%
278	17.863	17.821	17.878	PV	216	4040	0.22%	0.008%
279	18.010	17.878	18.108	VV	2731	74460	4.08%	0.142%
280	18.150	18.108	18.169	VV	1244	24476	1.34%	0.047%
281	18.180	18.169	18.230	VV	844	15309	0.84%	0.029%
282	18.248	18.230	18.261	VV	213	2189	0.12%	0.004%
283	18.289	18.261	18.328	VV	361	8881	0.49%	0.017%
284	18.353	18.328	18.400	VV	541	13025	0.71%	0.025%
285	18.431	18.400	18.454	VV	2819	41021	2.25%	0.078%
286	18.517	18.454	18.544	VV	1778	40331	2.21%	0.077%
287	18.553	18.544	18.570	VV	323	3652	0.20%	0.007%
288	18.582	18.570	18.600	VV	280	2825	0.15%	0.005%
289	18.719	18.600	18.728	PV	330	14223	0.78%	0.027%
290	18.741	18.728	18.754	VV	308	3693	0.20%	0.007%
291	18.841	18.754	18.881	VV	3440	65967	3.61%	0.125%
292	18.893	18.881	18.910	VV	205	2556	0.14%	0.005%
293	18.941	18.910	18.963	PV	628	8950	0.49%	0.017%
294	18.989	18.963	19.008	VV	536	6689	0.37%	0.013%
295	19.238	19.008	19.297	VV	2704	61080	3.35%	0.116%
296	19.342	19.297	19.354	PV	331	3580	0.20%	0.007%
297	19.425	19.354	19.434	VV	394	10993	0.60%	0.021%
298	19.486	19.434	19.503	VV	304	9424	0.52%	0.018%
299	19.546	19.503	19.557	VV	224	4660	0.26%	0.009%

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300	19.623	19.557	19.688	PV	3026	66951	3.67%	0.127%
301	19.751	19.688	19.781	VV	587	19372	1.06%	0.037%
302	19.998	19.781	20.025	VV	3178	147076	8.05%	0.280%
303	20.037	20.025	20.064	VV	1333	28264	1.55%	0.054%
304	20.364	20.064	20.389	VV	4659	413407	22.64%	0.786%
305	20.434	20.389	20.461	VV	3471	141219	7.73%	0.268%
306	20.718	20.461	20.757	VV	6211	749091	41.03%	1.424%
307	20.951	20.757	20.968	VV	5589	674719	36.95%	1.282%
308	21.087	20.968	21.141	VV	6515	573896	31.43%	1.091%
309	21.205	21.141	21.241	VV	5006	300077	16.43%	0.570%
310	21.343	21.241	21.384	VV	4701	392596	21.50%	0.746%
311	21.389	21.384	21.394	VV	4523	26177	1.43%	0.050%
312	21.413	21.394	21.458	VV	4442	162744	8.91%	0.309%
313	21.506	21.458	21.548	VV	4531	221578	12.14%	0.421%
314	21.630	21.548	21.680	VV	3743	284215	15.57%	0.540%
315	21.725	21.680	21.744	VV	3240	122217	6.69%	0.232%
316	21.797	21.744	21.820	VV	3035	133914	7.33%	0.255%
317	21.848	21.820	21.902	VV	2618	118250	6.48%	0.225%
318	21.974	21.902	22.016	VV	2315	136493	7.48%	0.259%
319	22.028	22.016	22.041	VV	1447	21696	1.19%	0.041%
320	22.113	22.041	22.131	VV	1262	69652	3.81%	0.132%
321	22.135	22.131	22.142	VV	1116	6868	0.38%	0.013%
322	22.148	22.142	22.158	VV	1029	9548	0.52%	0.018%
323	22.161	22.158	22.168	VV	1002	5827	0.32%	0.011%
324	22.194	22.168	22.279	VV	806	34382	1.88%	0.065%

Sum of corrected areas: 52614571

Aliphatic EPH 091024.M Sat Sep 21 06:14:38 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-5-7.5BDL		SDG No.:	P4103	
Lab Sample ID:	P4103-07DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.1	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014302.D	5	09/19/24	09/20/24	PB163524

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		2.02	J	1.66	3.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16		20.4		1.88	5.54	mg/kg
Aromatic C16-C21	Aromatic C16-C21		53.5		5.32	9.23	mg/kg
Aromatic C21-C36	Aromatic C21-C36		4.94	J	11.1	14.8	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		8.16		40 - 140	82%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		7.32		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		4.22		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:	P4103-07DL	Acq On:	20 Sep 2024 11:37
Client Sample ID:	WC-14-5-7.5BDL	Operator:	YP\AJ
Data file:	FG014302.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.374	6.243	697408	5.472	200	ug/ml
Aromatic C12-C16	6.244	8.941	7279944	55.175	300	ug/ml
Aromatic C16-C21	8.942	13.263	18831231	144.915	500	ug/ml
Aromatic C21-C36	13.264	18.721	1685600	13.368	800	ug/ml
Aromatic EPH	4.374	18.721	28494183	218.93		ug/ml
2-Bromonaphthalene (SURR)	7.872	7.872	912395	8.16		ug/ml
2-Flurobiphenyl (SURR)	8.745	8.745	532937	7.32		ug/ml
ortho-Terphenyl (SURR)	11.811	11.811	568624	4.22		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014302.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 11:37
Operator : YP\AJ
Sample : P4103-07DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 21 03:13:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5BDL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.872	912395	8.155 ug/ml
Spiked Amount 50.000		Recovery =	16.31%
6) S 2-Flurobiphenyl (SURR)	8.745	532937	7.320 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	14.64%
11) S ortho-Terphenyl (SURR)	11.811	568624	4.218 ug/mlm
Spiked Amount 50.000		Recovery =	8.44%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014302.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 11:37
Operator : YP\AJ
Sample : P4103-07DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

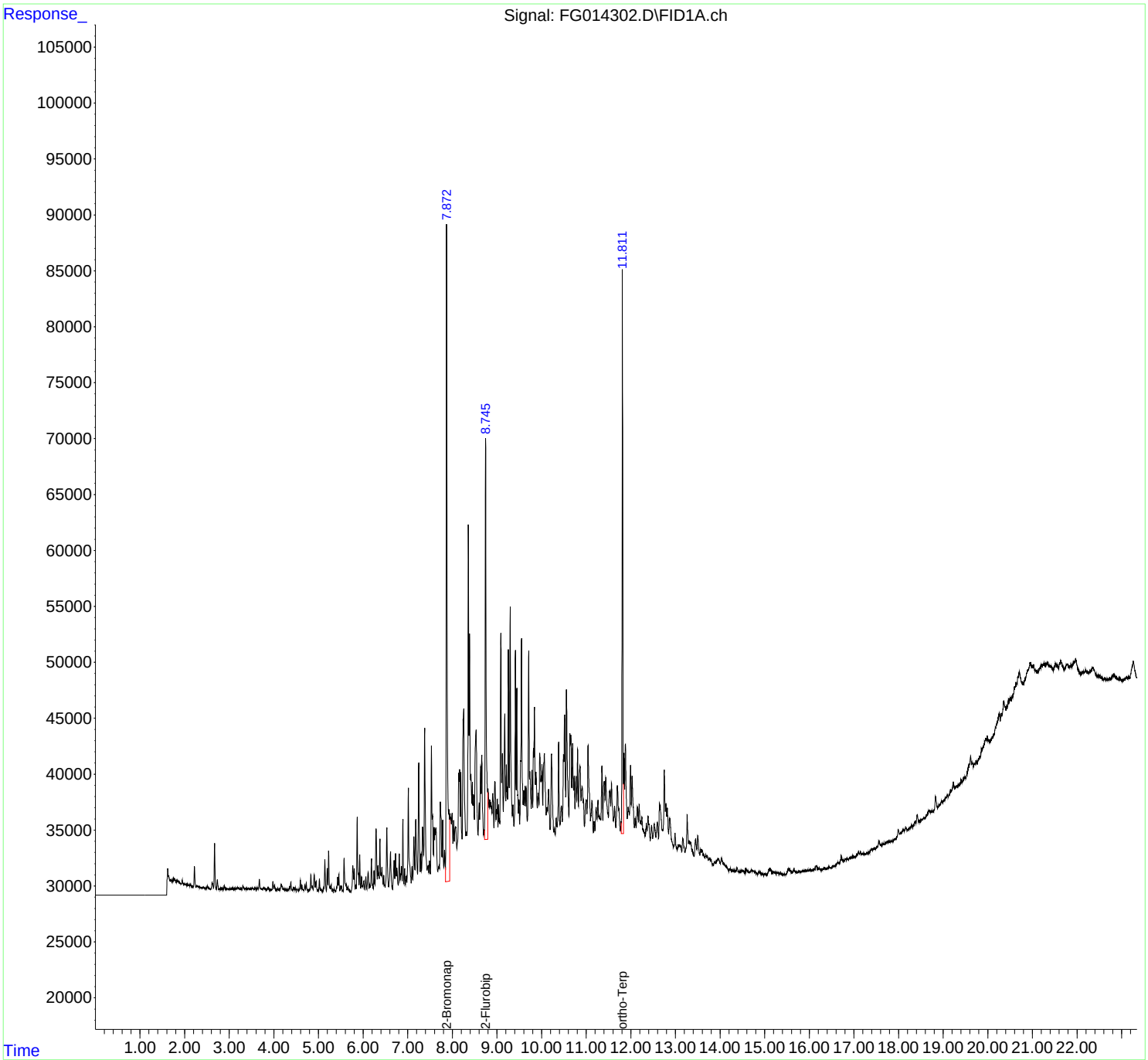
Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5BDL

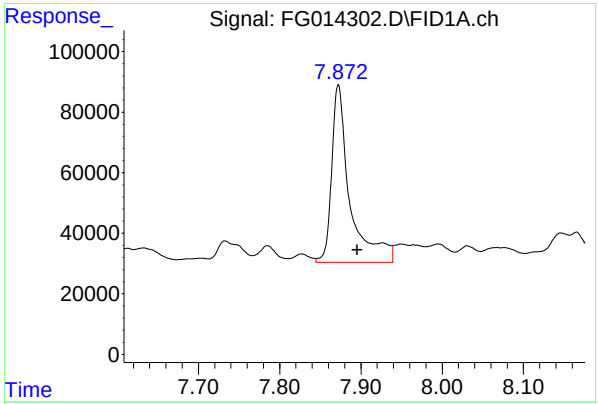
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:13:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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





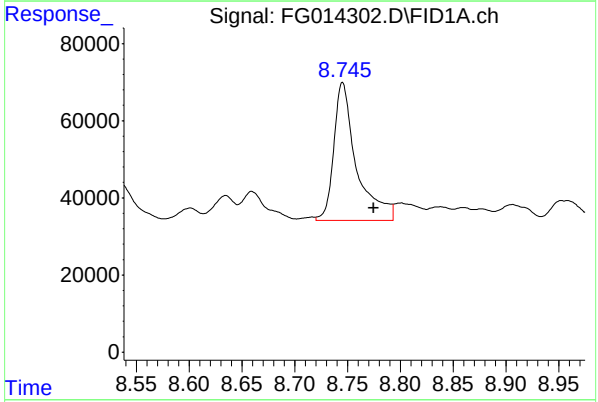
#4 2-Bromonaphthalene (SURR)

R.T.: 7.872 min
Delta R.T.: -0.023 min
Response: 912395
Conc: 8.16 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5BDL

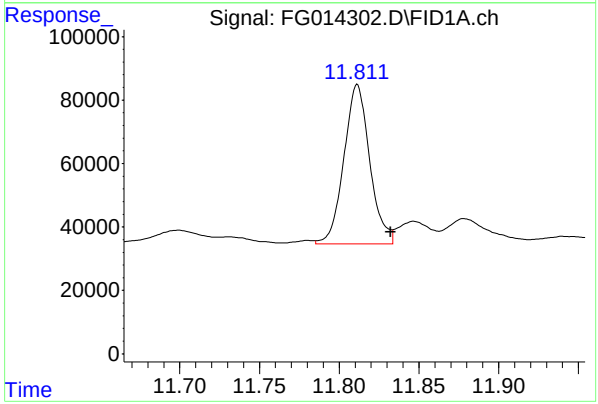
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.745 min
Delta R.T.: -0.030 min
Response: 532937
Conc: 7.32 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.811 min
Delta R.T.: -0.021 min
Response: 568624
Conc: 4.22 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5BDL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09202
Data File : FG014302.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 11:37
Sample : P4103-07DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.349	4.312	4.365	PV	358	4848	0.57%	0.016%
2	4.381	4.365	4.423	VV	773	9249	1.08%	0.030%
3	4.440	4.423	4.464	VV	296	3838	0.45%	0.012%
4	4.477	4.464	4.503	VV	288	3529	0.41%	0.011%
5	4.518	4.503	4.540	VV	213	2304	0.27%	0.007%
6	4.569	4.540	4.576	VV	138	1675	0.20%	0.005%
7	4.595	4.576	4.614	VV	955	11006	1.29%	0.036%
8	4.629	4.614	4.658	VV	536	7232	0.85%	0.023%
9	4.695	4.674	4.710	VV	562	6493	0.76%	0.021%
10	4.726	4.710	4.762	VV	741	9151	1.07%	0.030%
11	4.830	4.762	4.846	VV	1479	19149	2.24%	0.062%
12	4.858	4.846	4.881	VV	493	6802	0.80%	0.022%
13	4.907	4.881	4.929	VV	1495	23944	2.80%	0.078%
14	4.946	4.929	4.999	VV	900	14882	1.74%	0.048%
15	5.022	4.999	5.044	VV	1114	12171	1.42%	0.039%
16	5.052	5.044	5.088	VV	162	2017	0.24%	0.007%
17	5.118	5.088	5.124	VV	349	3356	0.39%	0.011%
18	5.144	5.124	5.178	VV	2826	35081	4.10%	0.114%
19	5.197	5.178	5.212	VV	2085	21976	2.57%	0.071%
20	5.228	5.212	5.250	VV	3652	40486	4.73%	0.131%
21	5.258	5.250	5.272	VV	401	4553	0.53%	0.015%
22	5.285	5.272	5.308	VV	644	6858	0.80%	0.022%
23	5.316	5.308	5.332	VV	136	1307	0.15%	0.004%
24	5.349	5.332	5.381	VV	286	3913	0.46%	0.013%
25	5.405	5.381	5.410	VV	373	3027	0.35%	0.010%
26	5.431	5.410	5.444	VV	1329	16879	1.97%	0.055%
27	5.457	5.444	5.484	VV	1590	17536	2.05%	0.057%
28	5.500	5.484	5.510	VV	556	5689	0.67%	0.018%
29	5.518	5.510	5.543	VV	485	5406	0.63%	0.018%
30	5.574	5.552	5.617	VV	3018	47022	5.50%	0.152%
31	5.624	5.617	5.637	VV	676	5578	0.65%	0.018%
32	5.664	5.637	5.675	VV	471	7643	0.89%	0.025%
33	5.680	5.675	5.699	VV	208	2017	0.24%	0.007%
34	5.770	5.731	5.792	PV	2373	41516	4.85%	0.134%
35	5.804	5.792	5.821	VV	2088	22370	2.62%	0.072%
36	5.835	5.821	5.847	VV	598	6740	0.79%	0.022%

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37	5.868	5.847	5.890	VV	6687	79102	9.25%	0.256%
38	5.895	5.890	5.910	VV	1623	15473		
39	5.925	5.910	5.947	VV	3309	35648		
40	5.967	5.947	5.982	VV	1348	17009		
41	5.989	5.982	5.998	VV	516	4732		
42	6.016	5.998	6.041	VV	959	15119		
43	6.063	6.041	6.085	VV	1328	17493	2.05%	0.057%
44	6.115	6.085	6.135	VV	1722	29370	3.43%	0.095%
45	6.148	6.135	6.164	VV	607	7870	0.92%	0.025%
46	6.188	6.164	6.227	VV	2914	43197	5.05%	0.140%
47	6.245	6.227	6.269	VV	1802	24881	2.91%	0.081%
48	6.292	6.269	6.320	VV	5592	95107	11.12%	0.308%
49	6.333	6.320	6.346	VV	2308	27286	3.19%	0.088%
50	6.352	6.346	6.362	VV	1542	13937	1.63%	0.045%
51	6.378	6.362	6.395	VV	4669	54072	6.32%	0.175%
52	6.402	6.395	6.411	VV	1576	14243	1.67%	0.046%
53	6.422	6.411	6.450	VV	2138	33198	3.88%	0.107%
54	6.464	6.450	6.495	VV	1384	20229	2.37%	0.066%
55	6.533	6.495	6.571	VV	5624	94405	11.04%	0.306%
56	6.615	6.571	6.661	VV	3469	70205	8.21%	0.227%
57	6.696	6.661	6.710	VV	2683	44155	5.16%	0.143%
58	6.728	6.710	6.745	VV	3295	45982	5.38%	0.149%
59	6.758	6.745	6.789	VV	2003	34281	4.01%	0.111%
60	6.812	6.789	6.830	VV	3276	44031	5.15%	0.143%
61	6.842	6.830	6.847	VV	1382	12661	1.48%	0.041%
62	6.861	6.847	6.876	VV	2138	27343	3.20%	0.089%
63	6.892	6.876	6.916	VV	6299	68107	7.96%	0.221%
64	6.932	6.916	6.949	VV	1906	23371	2.73%	0.076%
65	6.971	6.949	6.982	VV	1224	17343	2.03%	0.056%
66	7.014	6.982	7.080	VV	9097	168981	19.76%	0.547%
67	7.098	7.080	7.114	VV	2094	28350	3.31%	0.092%
68	7.140	7.114	7.162	VV	4745	80453	9.41%	0.261%
69	7.180	7.162	7.222	VV	6304	125949	14.73%	0.408%
70	7.247	7.222	7.281	VV	11310	186405	21.80%	0.604%
71	7.296	7.281	7.311	VV	3168	43265	5.06%	0.140%
72	7.334	7.311	7.356	VV	5589	104320	12.20%	0.338%
73	7.380	7.356	7.436	VV	14425	278304	32.54%	0.901%
74	7.456	7.436	7.471	VV	2103	37701	4.41%	0.122%
75	7.488	7.471	7.506	VV	2533	41398	4.84%	0.134%
76	7.533	7.506	7.551	VV	12809	179041	20.93%	0.580%
77	7.558	7.551	7.578	VV	6535	81889	9.57%	0.265%
78	7.593	7.578	7.603	VV	5493	65715	7.68%	0.213%
79	7.613	7.603	7.620	VV	5318	52523	6.14%	0.170%
80	7.632	7.620	7.673	VV	5453	120451	14.08%	0.390%
81	7.703	7.673	7.712	VV	2025	41916	4.90%	0.136%
82	7.733	7.712	7.767	VV	7746	166568	19.48%	0.539%
83	7.785	7.767	7.810	VV	6146	100425	11.74%	0.325%
84	7.827	7.810	7.845	VV	3414	54096	6.33%	0.175%
85	7.872	7.845	7.916	VV	59365	855251	100.00%	2.769%
86	7.927	7.916	7.939	VV	7042	89546	10.47%	0.290%
87	7.950	7.939	7.961	VV	6623	86393	10.10%	0.280%
88	7.965	7.961	7.980	VV	6341	70211	8.21%	0.227%
89	7.995	7.980	8.016	VV	6688	120784	14.12%	0.391%

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90	8.031	8.016	8.047	VV	6024	94886	11.09%	0.307%
91	8.068	8.047	8.103	VV	5494	159627	18	
92	8.146	8.103	8.157	VV	10289	209822	24	
93	8.165	8.157	8.179	VV	10559	122054	14	
94	8.191	8.179	8.220	VV	10330	168508	19	
95	8.242	8.220	8.246	VV	15048	160672	18	
96	8.256	8.246	8.303	VV	16019	323313	37.80%	1.047%
97	8.318	8.303	8.328	VV	4968	72794	8.51%	0.236%
98	8.360	8.328	8.375	VV	32414	458416	53.60%	1.484%
99	8.387	8.375	8.409	VV	22649	321605	37.60%	1.041%
100	8.418	8.409	8.437	VV	10130	157062	18.36%	0.509%
101	8.450	8.437	8.464	VV	9415	133291	15.59%	0.432%
102	8.475	8.464	8.495	VV	8286	135317	15.82%	0.438%
103	8.534	8.495	8.578	VV	14071	475311	55.58%	1.539%
104	8.601	8.578	8.614	VV	7489	135049	15.79%	0.437%
105	8.635	8.614	8.646	VV	10753	169407	19.81%	0.549%
106	8.659	8.646	8.702	VV	11771	263822	30.85%	0.854%
107	8.745	8.702	8.792	VV	40085	769299	89.95%	2.491%
108	8.801	8.792	8.825	VV	8779	157709	18.44%	0.511%
109	8.838	8.825	8.850	VV	7758	113982	13.33%	0.369%
110	8.860	8.850	8.870	VV	7507	87470	10.23%	0.283%
111	8.877	8.870	8.889	VV	7224	77245	9.03%	0.250%
112	8.906	8.889	8.933	VV	8329	193061	22.57%	0.625%
113	8.958	8.933	8.978	VV	9365	208875	24.42%	0.676%
114	8.989	8.978	8.996	VV	6865	70668	8.26%	0.229%
115	9.009	8.996	9.024	VV	7794	114567	13.40%	0.371%
116	9.038	9.024	9.058	VV	7281	125610	14.69%	0.407%
117	9.087	9.058	9.108	VV	22619	379702	44.40%	1.230%
118	9.121	9.108	9.143	VV	11902	206568	24.15%	0.669%
119	9.176	9.143	9.197	VV	15419	345949	40.45%	1.120%
120	9.212	9.197	9.224	VV	10849	151128	17.67%	0.489%
121	9.231	9.224	9.240	VV	8871	80098	9.37%	0.259%
122	9.257	9.240	9.274	VV	21125	282978	33.09%	0.916%
123	9.298	9.274	9.343	VV	24911	530359	62.01%	1.717%
124	9.360	9.343	9.380	VV	7235	143941	16.83%	0.466%
125	9.414	9.380	9.431	VV	21040	337753	39.49%	1.094%
126	9.446	9.431	9.483	VV	17665	337832	39.50%	1.094%
127	9.495	9.483	9.511	VV	7651	113740	13.30%	0.368%
128	9.551	9.511	9.587	VV	22115	536096	62.68%	1.736%
129	9.600	9.587	9.615	VV	8462	128898	15.07%	0.417%
130	9.631	9.615	9.647	VV	8864	151572	17.72%	0.491%
131	9.658	9.647	9.680	VV	8684	145985	17.07%	0.473%
132	9.712	9.680	9.731	VV	20966	360227	42.12%	1.166%
133	9.739	9.731	9.768	VV	10141	191227	22.36%	0.619%
134	9.785	9.768	9.802	VV	10280	174933	20.45%	0.566%
135	9.819	9.802	9.826	VV	12231	154286	18.04%	0.500%
136	9.841	9.826	9.862	VV	15900	269442	31.50%	0.872%
137	9.876	9.862	9.905	VV	10104	222269	25.99%	0.720%
138	9.921	9.905	9.941	VV	8186	167136	19.54%	0.541%
139	9.960	9.941	9.985	VV	11768	263775	30.84%	0.854%
140	9.993	9.985	10.000	VV	9609	88593	10.36%	0.287%
141	10.011	10.000	10.028	VV	10734	155771	18.21%	0.504%

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142	10.063	10.028	10.105	VV	11727	425674	49.77%	1.378%
143	10.124	10.105	10.134	VV	6913	116727	13	
144	10.158	10.134	10.192	VV	8524	238027	27	
145	10.223	10.192	10.275	VV	11658	372912	43	
146	10.285	10.275	10.306	VV	4996	87939	10	
147	10.327	10.306	10.352	VV	5884	145516	17	
148	10.382	10.352	10.416	VV	12718	287608	33.63%	0.931%
149	10.448	10.416	10.464	VV	6980	180407	21.09%	0.584%
150	10.491	10.464	10.501	VV	11515	192883	22.55%	0.625%
151	10.517	10.501	10.540	VV	15128	286840	33.54%	0.929%
152	10.558	10.540	10.612	VV	17332	458473	53.61%	1.485%
153	10.637	10.612	10.646	VV	13427	211841	24.77%	0.686%
154	10.655	10.646	10.676	VV	13267	207338	24.24%	0.671%
155	10.695	10.676	10.719	VV	12504	260337	30.44%	0.843%
156	10.732	10.719	10.748	VV	9613	149296	17.46%	0.483%
157	10.773	10.748	10.789	VV	9586	203779	23.83%	0.660%
158	10.808	10.789	10.826	VV	11984	205741	24.06%	0.666%
159	10.862	10.826	10.885	VV	10414	317753	37.15%	1.029%
160	10.906	10.885	10.933	VV	8611	230811	26.99%	0.747%
161	10.938	10.933	10.961	VV	7431	109731	12.83%	0.355%
162	11.001	10.961	11.018	VV	7420	220710	25.81%	0.715%
163	11.042	11.018	11.096	VV	12270	402119	47.02%	1.302%
164	11.129	11.096	11.162	VV	7324	240425	28.11%	0.779%
165	11.177	11.162	11.196	VV	5467	104961	12.27%	0.340%
166	11.221	11.196	11.243	VV	6698	162620	19.01%	0.527%
167	11.262	11.243	11.280	VV	7347	144466	16.89%	0.468%
168	11.291	11.280	11.312	VV	5908	114295	13.36%	0.370%
169	11.320	11.312	11.327	VV	5730	48619	5.68%	0.157%
170	11.352	11.327	11.374	VV	10378	220795	25.82%	0.715%
171	11.395	11.374	11.399	VV	8801	114089	13.34%	0.369%
172	11.404	11.399	11.422	VV	9020	116012	13.56%	0.376%
173	11.438	11.422	11.497	VV	9338	331146	38.72%	1.072%
174	11.521	11.497	11.528	VV	8135	132561	15.50%	0.429%
175	11.533	11.528	11.549	VV	8141	96409	11.27%	0.312%
176	11.567	11.549	11.608	VV	8847	253505	29.64%	0.821%
177	11.639	11.608	11.663	VV	6737	192235	22.48%	0.622%
178	11.699	11.663	11.726	VV	8611	260241	30.43%	0.843%
179	11.731	11.726	11.764	VV	6537	126029	14.74%	0.408%
180	11.811	11.764	11.834	VV	54625	753977	88.16%	2.441%
181	11.847	11.834	11.862	VV	11454	173238	20.26%	0.561%
182	11.878	11.862	11.919	VV	12229	296614	34.68%	0.960%
183	11.940	11.919	11.968	VV	6624	182143	21.30%	0.590%
184	11.994	11.968	12.012	VV	10344	212317	24.83%	0.687%
185	12.029	12.012	12.080	VV	9393	285274	33.36%	0.924%
186	12.096	12.080	12.116	VV	5584	113084	13.22%	0.366%
187	12.148	12.116	12.170	VV	6617	185362	21.67%	0.600%
188	12.187	12.170	12.210	VV	6822	144272	16.87%	0.467%
189	12.221	12.210	12.233	VV	5331	69339	8.11%	0.225%
190	12.248	12.233	12.272	VV	5695	119885	14.02%	0.388%
191	12.280	12.272	12.298	VV	4587	69732	8.15%	0.226%
192	12.302	12.298	12.319	VV	4333	51813	6.06%	0.168%
193	12.346	12.319	12.364	VV	5132	124625	14.57%	0.404%
194	12.387	12.364	12.435	VV	5745	203112	23.75%	0.658%

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195	12.465	12.435	12.490	VV	4887	141892	16.59%	0.459%
196	12.522	12.490	12.561	VV	5014	183951	21	
197	12.594	12.561	12.619	VV	5139	158285	18	
198	12.642	12.619	12.705	VV	6862	282309	33	
199	12.711	12.705	12.721	VV	4504	43108	5	
200	12.750	12.721	12.771	VV	9800	214236	25	
201	12.786	12.771	12.805	VV	6776	125446	14.67%	0.406%
202	12.818	12.805	12.848	VV	6386	138781	16.23%	0.449%
203	12.867	12.848	12.950	VV	5470	255207	29.84%	0.826%
204	12.963	12.950	12.968	VV	3088	30571	3.57%	0.099%
205	12.990	12.968	13.039	VV	4113	137379	16.06%	0.445%
206	13.063	13.039	13.074	VV	3076	60041	7.02%	0.194%
207	13.089	13.074	13.106	VV	3098	58036	6.79%	0.188%
208	13.117	13.106	13.140	VV	2982	55129	6.45%	0.179%
209	13.166	13.140	13.214	VV	3594	132463	15.49%	0.429%
210	13.263	13.214	13.294	VV	5749	172739	20.20%	0.559%
211	13.307	13.294	13.330	VV	3384	71369	8.34%	0.231%
212	13.335	13.330	13.340	VV	3203	17804	2.08%	0.058%
213	13.344	13.340	13.373	VV	3252	57151	6.68%	0.185%
214	13.379	13.373	13.387	VV	2629	20297	2.37%	0.066%
215	13.391	13.387	13.416	VV	2387	38908	4.55%	0.126%
216	13.452	13.416	13.478	VV	3562	105591	12.35%	0.342%
217	13.500	13.478	13.547	VV	3834	119614	13.99%	0.387%
218	13.565	13.547	13.579	VV	2612	44963	5.26%	0.146%
219	13.592	13.579	13.599	VV	2595	29412	3.44%	0.095%
220	13.604	13.599	13.635	VV	2446	46825	5.47%	0.152%
221	13.641	13.635	13.663	VV	2067	32826	3.84%	0.106%
222	13.682	13.663	13.701	VV	2080	44857	5.24%	0.145%
223	13.711	13.701	13.736	VV	2036	38240	4.47%	0.124%
224	13.749	13.736	13.752	VV	1690	16068	1.88%	0.052%
225	13.765	13.752	13.791	VV	1772	38486	4.50%	0.125%
226	13.803	13.791	13.825	VV	1672	29428	3.44%	0.095%
227	13.831	13.825	13.836	VV	1278	8550	1.00%	0.028%
228	13.841	13.836	13.851	VV	1191	10281	1.20%	0.033%
229	13.870	13.851	13.876	VV	1427	19348	2.26%	0.063%
230	13.878	13.876	13.895	VV	1411	14733	1.72%	0.048%
231	13.953	13.895	13.965	VV	1710	64023	7.49%	0.207%
232	13.971	13.965	14.007	VV	1677	36884	4.31%	0.119%
233	14.027	14.007	14.062	VV	1745	49944	5.84%	0.162%
234	14.068	14.062	14.125	VV	1325	43597	5.10%	0.141%
235	14.132	14.125	14.198	VV	1051	34949	4.09%	0.113%
236	14.227	14.198	14.234	VV	792	14873	1.74%	0.048%
237	14.237	14.234	14.264	VV	705	11132	1.30%	0.036%
238	14.270	14.264	14.277	VV	641	4446	0.52%	0.014%
239	14.281	14.277	14.294	VV	576	5509	0.64%	0.018%
240	14.308	14.294	14.313	VV	578	5656	0.66%	0.018%
241	14.321	14.313	14.340	VV	609	8659	1.01%	0.028%
242	14.380	14.340	14.410	VV	832	24410	2.85%	0.079%
243	14.417	14.410	14.422	VV	495	3326	0.39%	0.011%
244	14.430	14.422	14.444	VV	523	5734	0.67%	0.019%
245	14.501	14.444	14.507	VV	582	19059	2.23%	0.062%
246	14.511	14.507	14.520	VV	534	4007	0.47%	0.013%

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247	14.526	14.520	14.559	VV	493	9663	1.13%	0.031%
248	14.573	14.559	14.626	VV	750	20634		
249	14.631	14.626	14.652	VV	499	6162		
250	14.658	14.652	14.665	VV	399	2668		
251	14.706	14.665	14.735	VV	547	19037		
252	14.740	14.735	14.771	VV	505	9319		
253	14.775	14.771	14.779	VV	392	1687	0.20%	0.005%
254	14.787	14.779	14.826	VV	388	8115	0.95%	0.026%
255	14.837	14.826	14.849	VV	256	3004	0.35%	0.010%
256	14.871	14.849	14.884	VV	396	6799	0.79%	0.022%
257	14.900	14.884	14.937	VV	400	7606	0.89%	0.025%
258	14.941	14.937	14.956	VV	161	1633	0.19%	0.005%
259	14.962	14.956	14.985	VV	174	1846	0.22%	0.006%
260	14.997	14.985	15.011	VV	157	1858	0.22%	0.006%
261	15.018	15.011	15.034	VV	160	1643	0.19%	0.005%
262	15.099	15.042	15.113	VV	606	13569	1.59%	0.044%
263	15.130	15.113	15.174	VV	621	15356	1.80%	0.050%
264	15.180	15.174	15.188	VV	290	2206	0.26%	0.007%
265	15.210	15.188	15.216	VV	313	4341	0.51%	0.014%
266	15.223	15.216	15.230	VV	247	1870	0.22%	0.006%
267	15.233	15.230	15.260	VV	256	3777	0.44%	0.012%
268	15.270	15.260	15.278	VV	285	2283	0.27%	0.007%
269	15.282	15.278	15.288	VV	259	1358	0.16%	0.004%
270	15.293	15.288	15.317	VV	248	3059	0.36%	0.010%
271	15.322	15.317	15.333	VV	152	1076	0.13%	0.003%
272	15.362	15.333	15.401	VV	232	4581	0.54%	0.015%
273	15.438	15.420	15.460	VV	109	1082	0.13%	0.004%
274	15.518	15.460	15.524	PV	492	6684	0.78%	0.022%
275	15.532	15.524	15.550	VV	521	7074	0.83%	0.023%
276	15.551	15.550	15.570	VV	458	4591	0.54%	0.015%
277	15.574	15.570	15.582	VV	324	2073	0.24%	0.007%
278	15.586	15.582	15.610	VV	243	3305	0.39%	0.011%
279	15.614	15.610	15.623	VV	167	1078	0.13%	0.003%
280	15.658	15.623	15.675	VV	521	8973	1.05%	0.029%
281	15.681	15.675	15.695	VV	226	1888	0.22%	0.006%
282	15.717	15.695	15.733	VV	130	2412	0.28%	0.008%
283	15.751	15.742	15.760	VV	137	1164	0.14%	0.004%
284	15.777	15.760	15.783	VV	161	1751	0.20%	0.006%
285	15.787	15.783	15.835	VV	144	2923	0.34%	0.009%
286	15.846	15.835	15.872	VV	188	3212	0.38%	0.010%
287	15.877	15.872	15.890	VV	164	1273	0.15%	0.004%
288	15.930	15.901	15.950	VV	168	3854	0.45%	0.012%
289	15.966	15.950	15.981	VV	234	2757	0.32%	0.009%
290	15.988	15.981	16.005	VV	160	1713	0.20%	0.006%
291	16.026	16.005	16.031	VV	162	1904	0.22%	0.006%
292	16.036	16.031	16.065	VV	152	1543	0.18%	0.005%
293	16.152	16.065	16.157	VV	449	10319	1.21%	0.033%
294	16.160	16.157	16.181	VV	430	4772	0.56%	0.015%
295	16.186	16.181	16.195	VV	260	1628	0.19%	0.005%
296	16.199	16.195	16.205	VV	186	1064	0.12%	0.003%
297	16.218	16.205	16.273	VV	194	4005	0.47%	0.013%
298	16.342	16.313	16.361	VV	185	3191	0.37%	0.010%
299	16.388	16.361	16.404	VV	88	1550	0.18%	0.005%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5BDL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

300	16.427	16.404	16.431	PV	166	1267	0.15%	0.004%
301	16.447	16.431	16.463	VV	196	2183		
302	16.540	16.509	16.550	PV	144	2539		
303	16.565	16.550	16.572	VV	118	1069		
304	16.640	16.572	16.652	VV	305	8508		
305	16.657	16.652	16.666	VV	246	1875		
306	16.713	16.666	16.743	VV	838	18615	2.18%	0.060%
307	16.748	16.743	16.753	VV	318	1781	0.21%	0.006%
308	16.756	16.753	16.763	VV	353	1763	0.21%	0.006%
309	16.767	16.763	16.775	VV	303	1764	0.21%	0.006%
310	16.791	16.775	16.796	VV	342	3236	0.38%	0.010%
311	16.807	16.796	16.841	VV	332	7592	0.89%	0.025%
312	16.846	16.841	16.856	VV	294	2253	0.26%	0.007%
313	16.863	16.856	16.876	VV	267	2672	0.31%	0.009%
314	16.907	16.876	16.923	VV	350	6922	0.81%	0.022%
315	16.947	16.923	16.958	VV	276	4858	0.57%	0.016%
316	16.973	16.958	16.988	VV	357	4573	0.53%	0.015%
317	16.996	16.988	17.002	VV	272	2018	0.24%	0.007%
318	17.019	17.002	17.028	VV	240	2980	0.35%	0.010%
319	17.033	17.028	17.038	VV	226	1191	0.14%	0.004%
320	17.070	17.038	17.078	VV	396	6983	0.82%	0.023%
321	17.104	17.078	17.124	VV	500	10525	1.23%	0.034%
322	17.145	17.124	17.167	VV	513	8805	1.03%	0.029%
323	17.179	17.167	17.188	VV	212	2196	0.26%	0.007%
324	17.198	17.188	17.211	VV	191	2125	0.25%	0.007%
325	17.243	17.237	17.264	VV	150	1277	0.15%	0.004%
326	17.299	17.264	17.311	PV	140	2329	0.27%	0.008%
327	17.380	17.353	17.385	VV	215	2738	0.32%	0.009%
328	17.399	17.385	17.413	VV	310	4051	0.47%	0.013%
329	17.453	17.413	17.470	VV	237	6259	0.73%	0.020%
330	17.493	17.470	17.498	VV	201	2935	0.34%	0.010%
331	17.507	17.498	17.514	VV	294	2047	0.24%	0.007%
332	17.554	17.514	17.586	VV	709	16940	1.98%	0.055%
333	17.591	17.586	17.602	VV	338	2628	0.31%	0.009%
334	17.608	17.602	17.618	VV	266	2286	0.27%	0.007%
335	17.637	17.618	17.642	VV	281	3025	0.35%	0.010%
336	17.646	17.642	17.651	VV	292	1406	0.16%	0.005%
337	17.656	17.651	17.664	VV	246	1637	0.19%	0.005%
338	17.671	17.664	17.683	VV	219	1883	0.22%	0.006%
339	17.702	17.683	17.721	VV	275	4734	0.55%	0.015%
340	17.744	17.721	17.762	VV	307	6020	0.70%	0.019%
341	17.782	17.762	17.794	VV	219	3070	0.36%	0.010%
342	17.810	17.794	17.817	VV	179	2088	0.24%	0.007%
343	17.843	17.817	17.850	VV	178	2923	0.34%	0.009%
344	17.870	17.864	17.882	VV	140	1033	0.12%	0.003%
345	17.916	17.882	17.933	PV	165	3515	0.41%	0.011%
346	17.990	17.946	18.021	VV	846	19000	2.22%	0.062%
347	18.027	18.021	18.031	VV	347	1870	0.22%	0.006%
348	18.045	18.031	18.054	VV	409	4517	0.53%	0.015%
349	18.059	18.054	18.065	VV	324	1856	0.22%	0.006%
350	18.090	18.065	18.097	VV	417	6495	0.76%	0.021%
351	18.112	18.097	18.124	VV	428	5853	0.68%	0.019%

Instrument :
FID_G
ClientSampleId :
WC-14-5-7.5BDL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

					rteres			
352	18.159	18.124	18.196	VV	485	13186	1.54%	0.043%
353	18.218	18.196	18.222	VV	171	2283		
354	18.227	18.222	18.238	VV	186	1180		
355	18.269	18.238	18.275	VV	199	3459		
356	18.290	18.275	18.295	VV	286	2629		
357	18.301	18.295	18.319	VV	231	2321		
358	18.345	18.319	18.350	VV	246	2843	0.33%	0.009%
359	18.377	18.350	18.391	VV	466	7748	0.91%	0.025%
360	18.423	18.391	18.455	VV	850	18456	2.16%	0.060%
361	18.461	18.455	18.470	VV	200	1175	0.14%	0.004%
362	18.486	18.470	18.495	VV	101	1076	0.13%	0.003%
363	18.512	18.495	18.518	VV	141	1402	0.16%	0.005%
364	18.526	18.518	18.536	VV	143	1020	0.12%	0.003%
365	18.563	18.543	18.573	VV	169	1775	0.21%	0.006%
366	18.621	18.605	18.639	PV	265	2793	0.33%	0.009%
367	18.675	18.639	18.685	VV	427	7903	0.92%	0.026%
368	18.689	18.685	18.712	VV	368	4197	0.49%	0.014%
369	18.719	18.712	18.729	VV	224	1554	0.18%	0.005%
370	18.743	18.729	18.751	VBA	212	4967	0.58%	0.016%

Sum of corrected areas: 30882516

Aromatic EPH 090424.M Sat Sep 21 05:31:43 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10A		SDG No.:	P4103	
Lab Sample ID:	P4103-10		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
09/19/24 12:25	09/20/24 11:15	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	23.8		2	0.89	2.33	mg/kg	FE050239.D
Aliphatic C12-C16	Aliphatic C12-C16	124		10	2.80	7.77	mg/kg	FE050240.D
Aliphatic C16-C21	Aliphatic C16-C21	105		10	3.50	11.7	mg/kg	FE050240.D
Aliphatic C21-C28	Aliphatic C21-C28	11.1		1	0.93	1.55	mg/kg	FE050220.D
Aliphatic C28-C40	Aliphatic C28-C40	16.5		1	2.10	2.33	mg/kg	FE050220.D
Aromatic C10-C12	Aromatic C10-C12	7.21		1	0.35	0.78	mg/kg	FG014284.D
Aromatic C12-C16	Aromatic C12-C16	65.2		5	1.98	5.83	mg/kg	FG014303.D
Aromatic C16-C21	Aromatic C16-C21	149		5	5.60	9.71	mg/kg	FG014303.D
Aromatic C21-C36	Aromatic C21-C36	16.7		1	2.33	3.11	mg/kg	FG014284.D
Total AliphaticEPH	Total AliphaticEPH	280			10.2	25.7	mg/kg	
Total AromaticEPH	Total AromaticEPH	238			10.3	19.4	mg/kg	
Total EPH	Total EPH	519			20.5	45.1	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:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10A		SDG No.:	P4103	
Lab Sample ID:	P4103-10		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
FE050220.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	25.8	E	0.44	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	112	E	0.28	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	96.0	E	0.35	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.1		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.5		2.10	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.6		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-10	Acq On:	19 Sep 2024 22:40
Client Sample ID:	WC-14-7.5-10A	Operator:	YP\AJ
Data file:	FE050220.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.159	6.778	45645678	332.5	300	ug/ml
Aliphatic C12-C16	6.779	10.211	199363301	1450	200	ug/ml
Aliphatic C16-C21	10.212	13.571	167037742	1240	300	ug/ml
Aliphatic C21-C28	13.572	17.227	18439730	142.514	400	ug/ml
Aliphatic C28-C40	17.228	22.082	25557569	212.807	600	ug/ml
Aliphatic EPH	3.159	22.082	456044020	3370		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	3206836	28.55		ug/ml
Aliphatic C9-C28	3.159	17.227	430486451	3160	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050220.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 22:40
Operator : YP\AJ
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10A

Integration File: autoint1.e
Quant Time: Sep 20 01:37:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.306	3206836	28.549 ug/ml
Spiked Amount 50.000		Recovery = 57.10%	
Target Compounds			

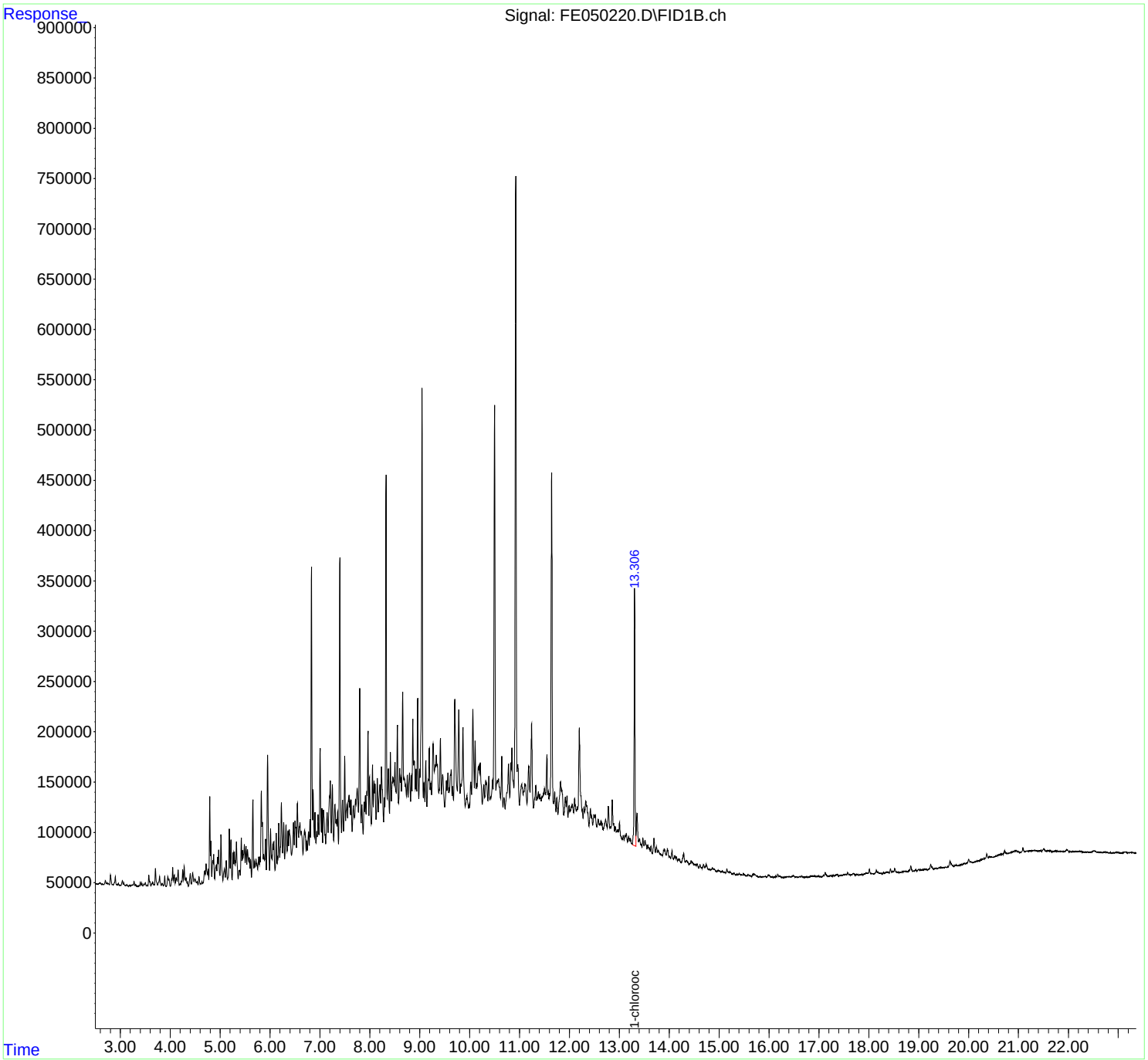
(f)=RT Delta > 1/2 Window (m)=manual int.

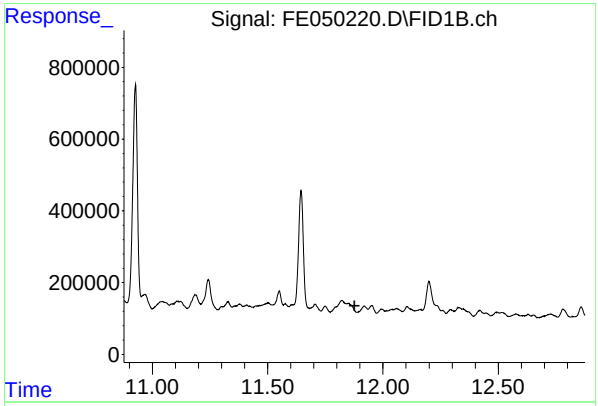
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050220.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 22:40
Operator : YP\AJ
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10A

Integration File: autoint1.e
Quant Time: Sep 20 01:37:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

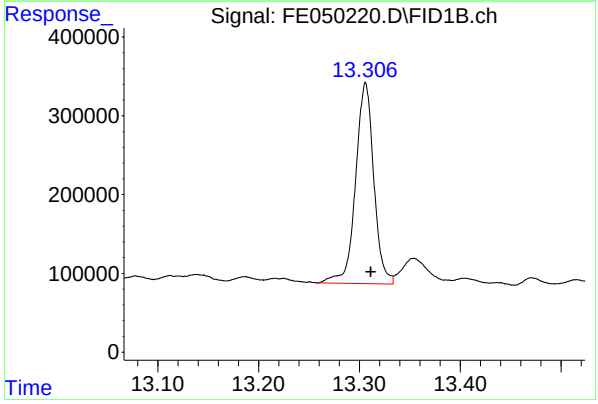




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10A



#12 1-chlorooctadecane (SURR)

R.T.: 13.306 min
Delta R.T.: -0.006 min
Response: 3206836
Conc: 28.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050220.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 22:40
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.126	3.104	3.168	BV	484	4454	0.04%	0.001%
2	3.186	3.168	3.204	PV	583	7162	0.06%	0.002%
3	3.219	3.204	3.230	VV	649	7698	0.06%	0.002%
4	3.248	3.230	3.257	VV	1328	15206	0.13%	0.003%
5	3.275	3.257	3.295	VV	4507	53744	0.44%	0.012%
6	3.308	3.295	3.347	VV	1061	15970	0.13%	0.003%
7	3.402	3.347	3.417	PV	4060	50723	0.42%	0.011%
8	3.431	3.417	3.452	VV	2967	33260	0.27%	0.007%
9	3.471	3.452	3.485	VV	2355	29579	0.24%	0.006%
10	3.501	3.485	3.523	VV	3564	45441	0.38%	0.010%
11	3.539	3.523	3.551	VV	1534	16121	0.13%	0.003%
12	3.571	3.551	3.612	VV	11309	167838	1.39%	0.036%
13	3.650	3.612	3.684	VV	4359	98630	0.82%	0.021%
14	3.704	3.684	3.747	VV	17920	257938	2.13%	0.056%
15	3.787	3.747	3.821	VV	9756	189593	1.57%	0.041%
16	3.839	3.821	3.869	VV	3231	55186	0.46%	0.012%
17	3.890	3.869	3.917	VV	10461	105440	0.87%	0.023%
18	3.953	3.917	4.003	PV	9728	224234	1.85%	0.048%
19	4.050	4.003	4.065	VV	18723	275322	2.28%	0.059%
20	4.083	4.065	4.101	VV	11158	162748	1.35%	0.035%
21	4.118	4.101	4.137	VV	8539	138025	1.14%	0.030%
22	4.159	4.137	4.182	VV	16149	226000	1.87%	0.049%
23	4.197	4.182	4.207	VV	2433	27635	0.23%	0.006%
24	4.250	4.207	4.264	VV	16398	240534	1.99%	0.052%
25	4.280	4.264	4.308	VV	20062	288667	2.39%	0.062%
26	4.319	4.308	4.365	VV	8378	151521	1.25%	0.033%
27	4.401	4.365	4.428	VV	12484	193549	1.60%	0.042%
28	4.450	4.428	4.475	VV	13165	229588	1.90%	0.050%
29	4.492	4.475	4.530	VV	7082	173174	1.43%	0.037%
30	4.541	4.530	4.557	VV	4669	54468	0.45%	0.012%
31	4.578	4.557	4.602	VV	9169	132435	1.09%	0.029%
32	4.612	4.602	4.622	VV	2565	27203	0.22%	0.006%
33	4.637	4.622	4.650	VV	4354	53490	0.44%	0.012%
34	4.690	4.650	4.704	VV	15047	285666	2.36%	0.062%
35	4.719	4.704	4.746	VV	21933	405284	3.35%	0.088%
36	4.759	4.746	4.773	VV	16964	204615	1.69%	0.044%

rteres

37	4.793	4.773	4.833	VV	88388	1395302	11.53%	0.301%
38	4.870	4.833	4.890	VV	31588	703838	5.82%	0.152%
39	4.924	4.890	4.934	VV	20873	418457	3.46%	0.090%
40	4.949	4.934	4.958	VV	28487	329685	2.73%	0.071%
41	4.971	4.958	4.998	VV	35583	522608	4.32%	0.113%
42	5.018	4.998	5.056	VV	50814	787109	6.51%	0.170%
43	5.087	5.056	5.105	VV	17001	352011	2.91%	0.076%
44	5.123	5.105	5.149	VV	24941	390120	3.22%	0.084%
45	5.185	5.149	5.202	VV	56497	756116	6.25%	0.163%
46	5.217	5.202	5.240	VV	45766	569565	4.71%	0.123%
47	5.262	5.240	5.273	VV	32829	421490	3.48%	0.091%
48	5.286	5.273	5.301	VV	33441	440985	3.65%	0.095%
49	5.328	5.301	5.362	VV	43400	881087	7.28%	0.190%
50	5.388	5.362	5.403	VV	14939	312623	2.58%	0.068%
51	5.425	5.403	5.439	VV	47179	624905	5.17%	0.135%
52	5.449	5.439	5.460	VV	34980	394619	3.26%	0.085%
53	5.487	5.460	5.503	VV	40892	811507	6.71%	0.175%
54	5.520	5.503	5.535	VV	38940	588535	4.86%	0.127%
55	5.550	5.535	5.575	VV	35361	687203	5.68%	0.148%
56	5.585	5.575	5.599	VV	27408	342389	2.83%	0.074%
57	5.611	5.599	5.629	VV	25874	337626	2.79%	0.073%
58	5.657	5.629	5.677	VV	85352	1164658	9.63%	0.252%
59	5.689	5.677	5.702	VV	23643	304232	2.51%	0.066%
60	5.720	5.702	5.752	VV	25832	627512	5.19%	0.136%
61	5.774	5.752	5.786	VV	28266	461896	3.82%	0.100%
62	5.797	5.786	5.805	VV	28002	283520	2.34%	0.061%
63	5.826	5.805	5.866	VV	93412	2030840	16.79%	0.439%
64	5.875	5.866	5.891	VV	30788	416146	3.44%	0.090%
65	5.910	5.891	5.927	VV	45713	662694	5.48%	0.143%
66	5.952	5.927	5.992	VV	129688	2277482	18.83%	0.492%
67	6.012	5.992	6.044	VV	56028	1063941	8.79%	0.230%
68	6.058	6.044	6.067	VV	40352	474147	3.92%	0.102%
69	6.077	6.067	6.102	VV	43279	632794	5.23%	0.137%
70	6.126	6.102	6.142	VV	51248	746893	6.17%	0.161%
71	6.176	6.142	6.196	VV	61194	1192250	9.86%	0.257%
72	6.228	6.196	6.253	VV	81723	1714592	14.17%	0.370%
73	6.275	6.253	6.294	VV	61867	1058338	8.75%	0.229%
74	6.320	6.294	6.344	VV	59432	1245460	10.29%	0.269%
75	6.362	6.344	6.374	VV	53709	801743	6.63%	0.173%
76	6.388	6.374	6.432	VV	54506	1522525	12.59%	0.329%
77	6.471	6.432	6.487	VV	61894	1437013	11.88%	0.310%
78	6.503	6.487	6.530	VV	63009	1342359	11.10%	0.290%
79	6.549	6.530	6.574	VV	81191	1595371	13.19%	0.345%
80	6.600	6.574	6.616	VV	61918	1386195	11.46%	0.299%
81	6.625	6.616	6.662	VV	53124	1252488	10.35%	0.270%
82	6.693	6.662	6.725	VV	53860	1687981	13.95%	0.365%
83	6.737	6.725	6.750	VV	43117	570635	4.72%	0.123%
84	6.773	6.750	6.786	VV	52255	980506	8.10%	0.212%
85	6.801	6.786	6.810	VV	64679	763501	6.31%	0.165%
86	6.831	6.810	6.853	VV	315561	4048937	33.47%	0.874%
87	6.865	6.853	6.889	VV	93975	1521745	12.58%	0.329%
88	6.903	6.889	6.921	VV	71698	1056544	8.73%	0.228%
89	6.938	6.921	6.947	VV	52587	733230	6.06%	0.158%

90	6.963	6.947	6.980	VV	69310	1174448	9.71%	0.254%
91	7.004	6.980	7.029	VV	134658	2438812	20.16%	0.527%
92	7.041	7.029	7.055	VV	75429	946097	7.82%	0.204%
93	7.072	7.055	7.117	VV	73951	2098959	17.35%	0.453%
94	7.146	7.117	7.164	VV	70868	1653230	13.67%	0.357%
95	7.208	7.164	7.229	VV	102782	2961105	24.48%	0.639%
96	7.250	7.229	7.277	VV	99277	1975561	16.33%	0.427%
97	7.301	7.277	7.341	VV	79111	2474877	20.46%	0.534%
98	7.355	7.341	7.373	VV	72404	1114234	9.21%	0.241%
99	7.399	7.373	7.433	VV	323277	4936077	40.80%	1.066%
100	7.453	7.433	7.474	VV	83532	1635181	13.52%	0.353%
101	7.498	7.474	7.517	VV	127227	2157389	17.83%	0.466%
102	7.542	7.517	7.556	VV	79214	1703985	14.09%	0.368%
103	7.584	7.556	7.596	VV	87933	1914041	15.82%	0.413%
104	7.603	7.596	7.614	VV	82284	858959	7.10%	0.185%
105	7.626	7.614	7.647	VV	83702	1390215	11.49%	0.300%
106	7.672	7.647	7.696	VV	77396	2003173	16.56%	0.433%
107	7.748	7.696	7.772	VV	94554	3700329	30.59%	0.799%
108	7.799	7.772	7.827	VV	193423	3769628	31.16%	0.814%
109	7.842	7.827	7.867	VV	78340	1585863	13.11%	0.342%
110	7.888	7.867	7.899	VV	81250	1305673	10.79%	0.282%
111	7.912	7.899	7.926	VV	87732	1289779	10.66%	0.279%
112	7.965	7.926	7.981	VV	151654	3305270	27.32%	0.714%
113	7.995	7.981	8.034	VV	106415	2516012	20.80%	0.543%
114	8.055	8.034	8.071	VV	117930	1923865	15.90%	0.415%
115	8.086	8.071	8.098	VV	101400	1533635	12.68%	0.331%
116	8.107	8.098	8.126	VV	99315	1410752	11.66%	0.305%
117	8.152	8.126	8.170	VV	104576	2184515	18.06%	0.472%
118	8.204	8.170	8.218	VV	98641	2524561	20.87%	0.545%
119	8.235	8.218	8.277	VV	116316	3193987	26.40%	0.690%
120	8.295	8.277	8.303	VV	85279	1160740	9.59%	0.251%
121	8.326	8.303	8.351	VV	402166	5583137	46.15%	1.206%
122	8.372	8.351	8.395	VV	114189	2506038	20.71%	0.541%
123	8.414	8.395	8.433	VV	130154	2273565	18.79%	0.491%
124	8.468	8.433	8.489	VV	103731	3313592	27.39%	0.716%
125	8.505	8.489	8.534	VV	120067	2723928	22.52%	0.588%
126	8.553	8.534	8.574	VV	157250	2783931	23.01%	0.601%
127	8.601	8.574	8.636	VV	113762	3606411	29.81%	0.779%
128	8.660	8.636	8.681	VV	190466	3663465	30.28%	0.791%
129	8.693	8.681	8.735	VV	103991	3182999	26.31%	0.687%
130	8.752	8.735	8.769	VV	107358	1953235	16.15%	0.422%
131	8.797	8.769	8.819	VV	109373	2881000	23.81%	0.622%
132	8.836	8.819	8.846	VV	107198	1563947	12.93%	0.338%
133	8.863	8.846	8.878	VV	161158	2465733	20.38%	0.532%
134	8.889	8.878	8.914	VV	120368	2463845	20.37%	0.532%
135	8.929	8.914	8.941	VV	113110	1653768	13.67%	0.357%
136	8.960	8.941	8.983	VV	183064	3226194	26.67%	0.697%
137	9.048	8.983	9.073	VV	491960	9986028	82.54%	2.157%
138	9.086	9.073	9.104	VV	99146	1756200	14.52%	0.379%
139	9.123	9.104	9.145	VV	121251	2369451	19.59%	0.512%
140	9.192	9.145	9.211	VV	133984	4076155	33.69%	0.880%
141	9.223	9.211	9.239	VV	98400	1587087	13.12%	0.343%

142	9.270	9.239	9.295	VV	138144	3913269	32.35%	0.845%
143	9.334	9.295	9.382	VV	127023	5907846	48.83%	1.276%
144	9.416	9.382	9.438	VV	143358	3644054	30.12%	0.787%
145	9.461	9.438	9.502	VV	106205	3563526	29.46%	0.770%
146	9.536	9.502	9.548	VV	101524	2463603	20.36%	0.532%
147	9.567	9.548	9.584	VV	109259	2121982	17.54%	0.458%
148	9.632	9.584	9.650	VV	112199	3992755	33.00%	0.862%
149	9.661	9.650	9.677	VV	95555	1478296	12.22%	0.319%
150	9.704	9.677	9.754	VV	181181	5663170	46.81%	1.223%
151	9.785	9.754	9.812	VV	171542	4250694	35.14%	0.918%
152	9.826	9.812	9.833	VV	97607	1208182	9.99%	0.261%
153	9.868	9.833	9.913	VV	153944	5079908	41.99%	1.097%
154	9.946	9.913	9.984	VV	86617	3413822	28.22%	0.737%
155	9.991	9.984	10.001	VV	76911	744616	6.15%	0.161%
156	10.024	10.001	10.041	VV	99296	2139793	17.69%	0.462%
157	10.067	10.041	10.096	VV	171175	4216899	34.86%	0.911%
158	10.113	10.096	10.132	VV	139861	2450966	20.26%	0.529%
159	10.142	10.132	10.151	VV	97701	1081088	8.94%	0.233%
160	10.189	10.151	10.203	VV	115348	3444214	28.47%	0.744%
161	10.216	10.203	10.255	VV	118613	3098282	25.61%	0.669%
162	10.284	10.255	10.302	VV	96445	2481807	20.51%	0.536%
163	10.324	10.302	10.335	VV	100583	1843160	15.24%	0.398%
164	10.342	10.335	10.366	VV	98172	1693431	14.00%	0.366%
165	10.387	10.366	10.408	VV	105396	2309620	19.09%	0.499%
166	10.460	10.408	10.471	VV	101597	3363352	27.80%	0.726%
167	10.502	10.471	10.529	VV	471048	8353283	69.05%	1.804%
168	10.581	10.529	10.619	VV	102281	5192461	42.92%	1.121%
169	10.647	10.619	10.671	VV	125042	2972337	24.57%	0.642%
170	10.691	10.671	10.712	VV	83843	1951791	16.13%	0.422%
171	10.781	10.712	10.807	VV	116743	5215134	43.11%	1.126%
172	10.829	10.807	10.836	VV	118063	1811172	14.97%	0.391%
173	10.850	10.836	10.889	VV	132308	3450775	28.52%	0.745%
174	10.926	10.889	10.954	VV	706357	12097848	100.00%	2.613%
175	10.967	10.954	11.001	VV	116635	2778238	22.96%	0.600%
176	11.043	11.001	11.074	VV	96882	3935664	32.53%	0.850%
177	11.108	11.074	11.151	VV	97175	4189753	34.63%	0.905%
178	11.187	11.151	11.210	VV	114279	3421265	28.28%	0.739%
179	11.243	11.210	11.284	VV	157073	4747688	39.24%	1.025%
180	11.327	11.284	11.364	VV	95040	4044954	33.44%	0.874%
181	11.378	11.364	11.395	VV	88926	1562379	12.91%	0.337%
182	11.408	11.395	11.434	VV	86555	1975589	16.33%	0.427%
183	11.501	11.434	11.521	VV	92213	4477420	37.01%	0.967%
184	11.550	11.521	11.592	VV	126065	4079706	33.72%	0.881%
185	11.645	11.592	11.683	VV	405925	9018797	74.55%	1.948%
186	11.705	11.683	11.731	VV	88575	2298441	19.00%	0.496%
187	11.749	11.731	11.772	VV	82964	1825610	15.09%	0.394%
188	11.822	11.772	11.844	VV	98571	3707562	30.65%	0.801%
189	11.850	11.844	11.888	VV	90561	2084577	17.23%	0.450%
190	11.919	11.888	11.935	VV	83160	2118856	17.51%	0.458%
191	11.951	11.935	11.973	VV	84423	1719280	14.21%	0.371%
192	11.994	11.973	12.017	VV	74756	1850033	15.29%	0.400%
193	12.059	12.017	12.085	VV	75884	2948215	24.37%	0.637%
194	12.105	12.085	12.138	VV	81607	2362517	19.53%	0.510%

195	12.162	12.138	12.170	VV	73263	1390874	11.50%	0.300%
196	12.200	12.170	12.274	VV	151597	5762878	47.64%	1.245%
197	12.293	12.274	12.309	VV	73528	1442477	11.92%	0.312%
198	12.329	12.309	12.393	VV	78475	3497042	28.91%	0.755%
199	12.420	12.393	12.468	VV	71127	2820911	23.32%	0.609%
200	12.493	12.468	12.506	VV	65003	1383505	11.44%	0.299%
201	12.516	12.506	12.544	VV	64222	1418136	11.72%	0.306%
202	12.577	12.544	12.614	VV	60725	2351530	19.44%	0.508%
203	12.630	12.614	12.642	VV	59275	983149	8.13%	0.212%
204	12.652	12.642	12.674	VV	57252	1041632	8.61%	0.225%
205	12.726	12.674	12.757	VV	60106	2750592	22.74%	0.594%
206	12.781	12.757	12.814	VV	73460	2088247	17.26%	0.451%
207	12.825	12.814	12.831	VV	53131	539415	4.46%	0.116%
208	12.860	12.831	12.905	VV	80131	2672790	22.09%	0.577%
209	12.919	12.905	12.942	VV	53427	1126729	9.31%	0.243%
210	12.974	12.942	12.986	VV	50372	1292479	10.68%	0.279%
211	13.004	12.986	13.054	VV	57619	1948957	16.11%	0.421%
212	13.078	13.054	13.096	VV	44137	1045846	8.64%	0.226%
213	13.113	13.096	13.125	VV	44127	735713	6.08%	0.159%
214	13.138	13.125	13.167	VV	45966	1100218	9.09%	0.238%
215	13.186	13.167	13.205	VV	43205	904440	7.48%	0.195%
216	13.218	13.205	13.257	VV	40867	1214814	10.04%	0.262%
217	13.306	13.257	13.333	VV	286633	4777924	39.49%	1.032%
218	13.354	13.333	13.391	VV	66266	1756456	14.52%	0.379%
219	13.404	13.391	13.453	VV	40854	1380605	11.41%	0.298%
220	13.471	13.453	13.494	VV	41534	910690	7.53%	0.197%
221	13.515	13.494	13.553	VV	39035	1255509	10.38%	0.271%
222	13.570	13.553	13.619	VV	34390	1241111	10.26%	0.268%
223	13.634	13.619	13.659	VV	33250	720124	5.95%	0.156%
224	13.694	13.659	13.723	VV	41127	1242695	10.27%	0.268%
225	13.742	13.723	13.767	VV	32376	776663	6.42%	0.168%
226	13.781	13.767	13.862	VV	29122	1493338	12.34%	0.322%
227	13.906	13.862	13.935	VV	29464	1183794	9.79%	0.256%
228	13.964	13.935	13.998	VV	30527	1001799	8.28%	0.216%
229	14.004	13.998	14.029	VV	22899	419818	3.47%	0.091%
230	14.055	14.029	14.089	VV	28772	829243	6.85%	0.179%
231	14.110	14.089	14.127	VV	23222	506899	4.19%	0.109%
232	14.141	14.127	14.166	VV	22601	480169	3.97%	0.104%
233	14.184	14.166	14.198	VV	19994	375085	3.10%	0.081%
234	14.204	14.198	14.246	VV	20100	519609	4.30%	0.112%
235	14.290	14.246	14.321	VV	25847	926866	7.66%	0.200%
236	14.351	14.321	14.394	VV	18270	746951	6.17%	0.161%
237	14.439	14.394	14.488	VV	18186	910387	7.53%	0.197%
238	14.497	14.488	14.512	VV	15060	208480	1.72%	0.045%
239	14.526	14.512	14.542	VV	14711	256242	2.12%	0.055%
240	14.562	14.542	14.591	VV	14788	389141	3.22%	0.084%
241	14.616	14.591	14.639	VV	14405	358376	2.96%	0.077%
242	14.648	14.639	14.660	VV	11218	138189	1.14%	0.030%
243	14.686	14.660	14.714	VV	14313	406676	3.36%	0.088%
244	14.743	14.714	14.797	VV	14025	578535	4.78%	0.125%
245	14.816	14.797	14.825	VV	9369	154940	1.28%	0.033%
246	14.832	14.825	14.840	VV	9255	77974	0.64%	0.017%

247	14.869	14.840	14.953	VV	10690	612989	5.07%	0.132%
248	14.982	14.953	15.044	VV	8235	410405	3.39%	0.089%
249	15.066	15.044	15.098	VV	7404	220242	1.82%	0.048%
250	15.112	15.098	15.130	VV	6361	119454	0.99%	0.026%
251	15.155	15.130	15.192	VV	9491	262062	2.17%	0.057%
252	15.212	15.192	15.273	VV	6622	278003	2.30%	0.060%
253	15.297	15.273	15.334	VV	5627	168067	1.39%	0.036%
254	15.355	15.334	15.380	VV	4093	104907	0.87%	0.023%
255	15.404	15.380	15.464	VV	4751	200171	1.65%	0.043%
256	15.486	15.464	15.558	VV	4276	180053	1.49%	0.039%
257	15.586	15.558	15.612	VV	3440	96865	0.80%	0.021%
258	15.621	15.612	15.651	VV	2651	53562	0.44%	0.012%
259	15.680	15.651	15.690	VV	3845	70793	0.59%	0.015%
260	15.704	15.690	15.748	VV	3943	114905	0.95%	0.025%
261	15.758	15.748	15.791	VV	2266	46556	0.38%	0.010%
262	15.812	15.791	15.851	VV	1644	44584	0.37%	0.010%
263	15.865	15.851	15.876	VV	1221	17088	0.14%	0.004%
264	15.900	15.876	15.913	VV	1599	29734	0.25%	0.006%
265	15.932	15.913	15.953	VV	1483	30201	0.25%	0.007%
266	15.988	15.953	16.041	VV	3054	99585	0.82%	0.022%
267	16.066	16.041	16.089	VV	1056	22791	0.19%	0.005%
268	16.136	16.089	16.154	VV	1854	39434	0.33%	0.009%
269	16.176	16.154	16.200	VV	3490	58189	0.48%	0.013%
270	16.212	16.200	16.258	VV	1592	35455	0.29%	0.008%
271	16.268	16.258	16.288	VV	478	5287	0.04%	0.001%
272	16.314	16.288	16.328	PV	557	7537	0.06%	0.002%
273	16.365	16.328	16.403	VV	1029	34812	0.29%	0.008%
274	16.420	16.403	16.442	VV	887	17150	0.14%	0.004%
275	16.491	16.442	16.523	VV	1855	56324	0.47%	0.012%
276	16.538	16.523	16.588	VV	780	17574	0.15%	0.004%
277	16.658	16.588	16.724	VV	1591	49008	0.41%	0.011%
278	16.746	16.724	16.758	VV	278	2835	0.02%	0.001%
279	16.772	16.758	16.794	VV	163	2262	0.02%	0.000%
280	16.869	16.794	16.948	PV	1258	74531	0.62%	0.016%
281	16.986	16.948	17.015	VV	960	26037	0.22%	0.006%
282	17.027	17.015	17.039	VV	414	4522	0.04%	0.001%
283	17.044	17.039	17.054	VV	233	911	0.01%	0.000%
284	17.091	17.054	17.100	PV	1250	15552	0.13%	0.003%
285	17.126	17.100	17.194	VV	3507	91831	0.76%	0.020%
286	17.217	17.194	17.237	VV	783	15469	0.13%	0.003%
287	17.248	17.237	17.271	VV	819	12608	0.10%	0.003%
288	17.296	17.271	17.311	VV	1005	16730	0.14%	0.004%
289	17.364	17.311	17.408	VV	1984	63519	0.53%	0.014%
290	17.454	17.408	17.473	VV	1097	27890	0.23%	0.006%
291	17.499	17.473	17.507	VV	1482	22830	0.19%	0.005%
292	17.515	17.507	17.522	VV	1530	12743	0.11%	0.003%
293	17.538	17.522	17.554	VV	1640	27406	0.23%	0.006%
294	17.576	17.554	17.598	VV	3198	53193	0.44%	0.011%
295	17.606	17.598	17.628	VV	1386	20135	0.17%	0.004%
296	17.645	17.628	17.654	VV	1253	15324	0.13%	0.003%
297	17.688	17.654	17.731	VV	2187	63046	0.52%	0.014%
298	17.742	17.731	17.756	VV	951	12990	0.11%	0.003%
299	17.776	17.756	17.799	VV	1090	21162	0.17%	0.005%

300	17.819	17.799	17.831	VV	688	10640	0.09%	0.002%
301	17.860	17.831	17.881	VV	1050	22099	0.18%	0.005%
302	17.954	17.881	17.968	VV	2131	78248	0.65%	0.017%
303	18.011	17.968	18.044	VV	5981	127796	1.06%	0.028%
304	18.055	18.044	18.102	VV	1703	47373	0.39%	0.010%
305	18.151	18.102	18.171	VV	4211	101888	0.84%	0.022%
306	18.177	18.171	18.205	VV	2801	45386	0.38%	0.010%
307	18.213	18.205	18.226	VV	1709	19302	0.16%	0.004%
308	18.252	18.226	18.269	VV	1510	35155	0.29%	0.008%
309	18.297	18.269	18.315	VV	2003	45975	0.38%	0.010%
310	18.360	18.315	18.411	VV	2525	119270	0.99%	0.026%
311	18.433	18.411	18.454	VV	5626	93635	0.77%	0.020%
312	18.485	18.454	18.496	VV	2730	65130	0.54%	0.014%
313	18.520	18.496	18.571	VV	5739	139126	1.15%	0.030%
314	18.587	18.571	18.601	VV	1849	31217	0.26%	0.007%
315	18.603	18.601	18.617	VV	1765	14499	0.12%	0.003%
316	18.678	18.617	18.686	VV	2210	76484	0.63%	0.017%
317	18.713	18.686	18.774	VV	2811	129620	1.07%	0.028%
318	18.842	18.774	18.884	VV	7801	253456	2.10%	0.055%
319	18.901	18.884	18.910	VV	2595	38747	0.32%	0.008%
320	18.940	18.910	18.968	VV	3992	107637	0.89%	0.023%
321	18.991	18.968	19.010	VV	4019	86025	0.71%	0.019%
322	19.034	19.010	19.067	VV	3626	117607	0.97%	0.025%
323	19.132	19.067	19.154	VV	4001	192955	1.59%	0.042%
324	19.161	19.154	19.177	VV	3624	47940	0.40%	0.010%
325	19.241	19.177	19.298	VV	8483	368833	3.05%	0.080%
326	19.342	19.298	19.378	VV	4708	204057	1.69%	0.044%
327	19.430	19.378	19.468	VV	5417	264483	2.19%	0.057%
328	19.483	19.468	19.510	VV	5271	126385	1.04%	0.027%
329	19.536	19.510	19.564	VV	5283	164254	1.36%	0.035%
330	19.627	19.564	19.704	VV	11279	612012	5.06%	0.132%
331	19.750	19.704	19.788	VV	7015	330392	2.73%	0.071%
332	19.916	19.788	19.928	VV	8395	610351	5.05%	0.132%
333	20.002	19.928	20.028	VV	12472	574086	4.75%	0.124%
334	20.044	20.028	20.084	VV	9896	315701	2.61%	0.068%
335	20.165	20.084	20.174	VV	10245	515232	4.26%	0.111%
336	20.365	20.174	20.392	VV	17030	1599826	13.22%	0.345%
337	20.429	20.392	20.456	VV	14287	522215	4.32%	0.113%
338	20.470	20.456	20.501	VV	13770	371880	3.07%	0.080%
339	20.641	20.501	20.656	VV	16308	1388467	11.48%	0.300%
340	20.720	20.656	20.765	VV	19798	1133415	9.37%	0.245%
341	20.771	20.765	20.784	VV	16862	184548	1.53%	0.040%
342	20.902	20.784	20.911	VV	18686	1341748	11.09%	0.290%
343	20.951	20.911	21.025	VV	19266	1263788	10.45%	0.273%
344	21.091	21.025	21.133	VV	20796	1202254	9.94%	0.260%
345	21.172	21.133	21.195	VV	18562	674503	5.58%	0.146%
346	21.239	21.195	21.261	VV	18618	737560	6.10%	0.159%
347	21.272	21.261	21.277	VV	18489	179987	1.49%	0.039%
348	21.312	21.277	21.328	VV	19070	567918	4.69%	0.123%
349	21.342	21.328	21.390	VV	18860	690664	5.71%	0.149%
350	21.407	21.390	21.444	VV	18271	580842	4.80%	0.125%
351	21.505	21.444	21.571	VV	20126	1416210	11.71%	0.306%

rteres

352	21.634	21.571	21.681	VV	17927	1165212	9.63%	0.252%
353	21.745	21.681	21.835	VV	17570	1595921	13.19%	0.345%
354	21.880	21.835	21.924	VV	17139	911160	7.53%	0.197%
355	21.974	21.924	22.030	VV	18424	1095246	9.05%	0.237%
356	22.047	22.030	22.074	VV	16434	431633	3.57%	0.093%
357	22.130	22.074	22.190	VV	16400	1130111	9.34%	0.244%
358	22.222	22.190	22.301	VBA	16291	1097319	9.07%	0.237%

Sum of corrected areas: 463053817

Aliphatic EPH 091024.M Fri Sep 20 02:13:58 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10A		SDG No.:	P4103	
Lab Sample ID:	P4103-10		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
FG014284.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.21		0.35	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	66.4	E	0.40	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	145	E	1.12	1.94	mg/kg
Aromatic C21-C36	Aromatic C21-C36	16.7		2.33	3.11	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.6		40 - 140	123%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	56.3		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-10	Acq On:	19 Sep 2024 21:25
Client Sample ID:	WC-14-7.5-10A	Operator:	YP\AJ
Data file:	FG014284.D	Misc:	
Instrument:	FID_G	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.376	6.245	11821006	92.757	200	ug/ml
Aromatic C12-C16	6.246	8.944	112771425	854.701	300	ug/ml
Aromatic C16-C21	8.945	13.266	242735067	1870	500	ug/ml
Aromatic C21-C36	13.267	18.723	27052632	214.54	800	ug/ml
Aromatic EPH	4.376	18.723	394380130	3030		ug/ml
ortho-Terphenyl (SURR)	11.817	11.817	4021216	29.83		ug/ml
2-Bromonaphthalene (SURR)	7.875	7.875	6891264	61.6		ug/ml
2-Flurobiphenyl (SURR)	8.748	8.748	4096188	56.26		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014284.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:25
Operator : YP\AJ
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10A

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 02:47:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.875	6891264	61.596 ug/mlm
Spiked Amount 50.000		Recovery = 123.19%	
6) S 2-Flurobiphenyl (SURR)	8.748	4096188	56.261 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 112.52%	
11) S ortho-Terphenyl (SURR)	11.817	4021216	29.832 ug/mlm
Spiked Amount 50.000		Recovery = 59.66%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014284.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:25
Operator : YP\AJ
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

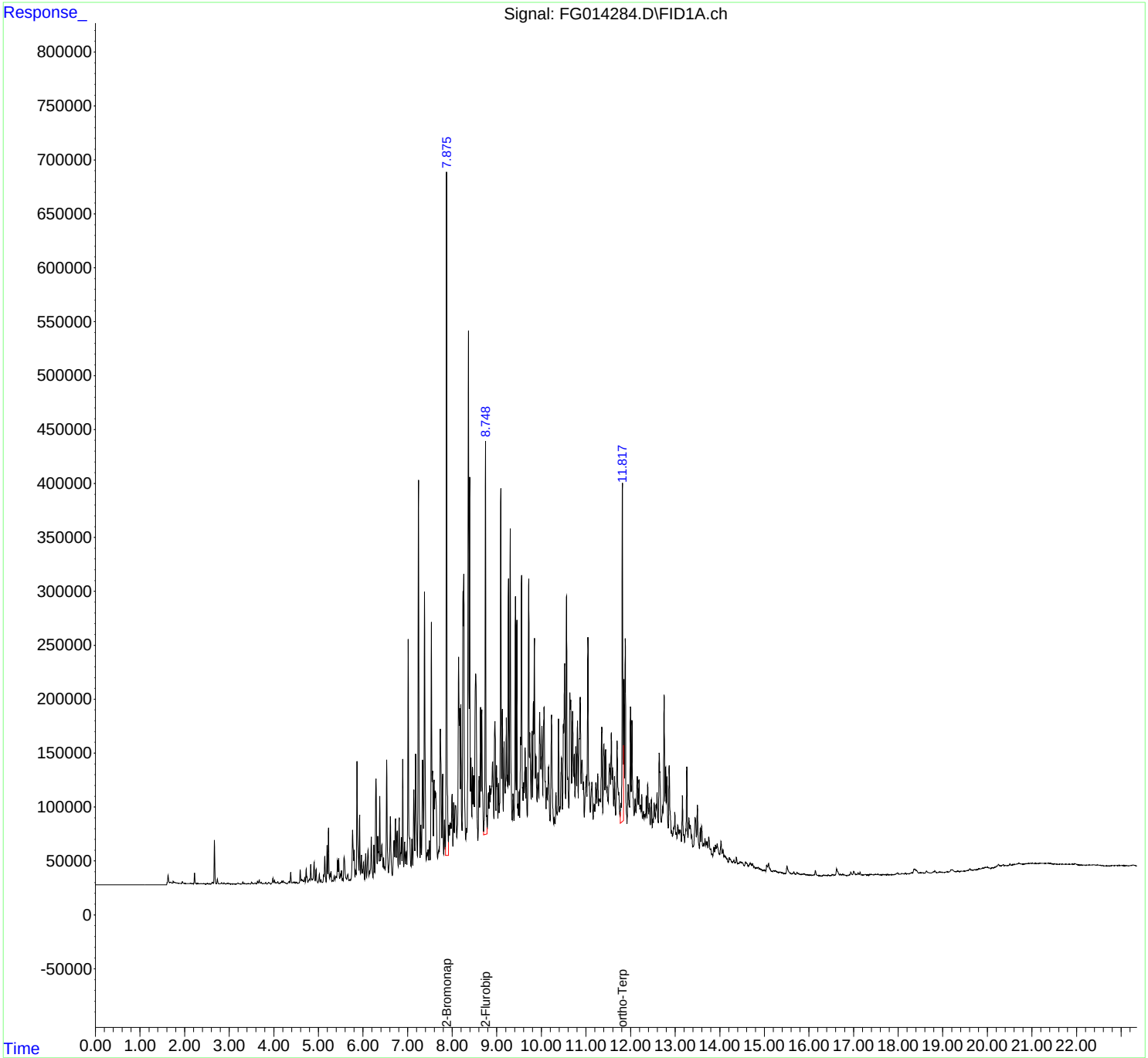
Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10A

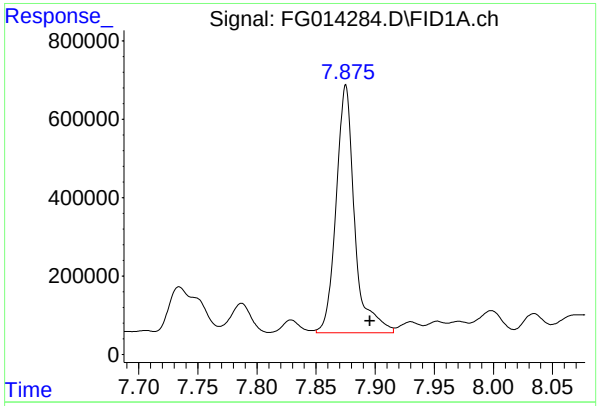
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 02:47:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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





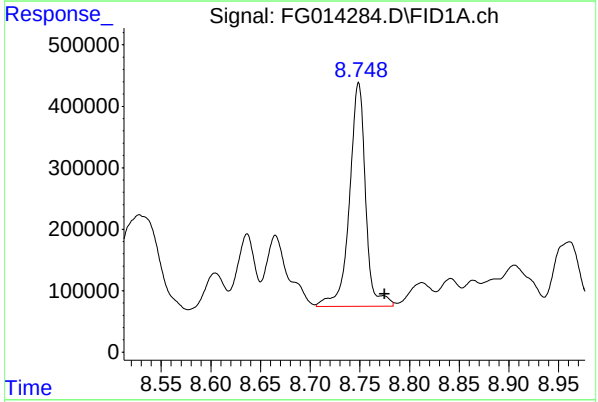
#4 2-Bromonaphthalene (SURR)

R.T.: 7.875 min
Delta R.T.: -0.021 min
Response: 6891264
Conc: 61.60 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10A

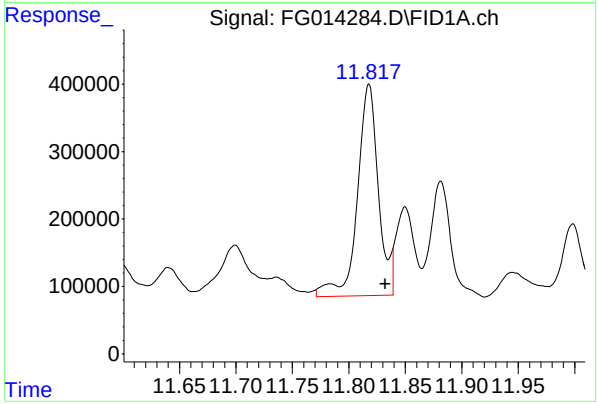
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.748 min
Delta R.T.: -0.026 min
Response: 4096188
Conc: 56.26 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.817 min
Delta R.T.: -0.015 min
Response: 4021216
Conc: 29.83 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10A

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09192
Data File : FG014284.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:25
Sample : P4103-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.275	4.250	4.294	BV	168	1182	0.01%	0.000%
2	4.332	4.294	4.338	PV	1839	22082	0.28%	0.005%
3	4.348	4.338	4.361	VV	2251	24483	0.31%	0.006%
4	4.379	4.361	4.408	VV	10653	122977	1.55%	0.031%
5	4.442	4.408	4.462	VV	1738	36214	0.46%	0.009%
6	4.476	4.462	4.492	VV	1719	19768	0.25%	0.005%
7	4.513	4.492	4.535	VV	1546	23271	0.29%	0.006%
8	4.550	4.535	4.559	VV	676	7347	0.09%	0.002%
9	4.593	4.559	4.611	VV	13121	150728	1.90%	0.037%
10	4.627	4.611	4.641	VV	3855	57850	0.73%	0.014%
11	4.650	4.641	4.678	VV	3184	55507	0.70%	0.014%
12	4.695	4.678	4.709	VV	5604	64426	0.81%	0.016%
13	4.727	4.709	4.741	VV	13846	150316	1.89%	0.037%
14	4.746	4.741	4.764	VV	6138	56771	0.72%	0.014%
15	4.803	4.764	4.812	VV	4440	87636	1.10%	0.022%
16	4.829	4.812	4.849	VV	17848	205757	2.59%	0.051%
17	4.859	4.849	4.869	VV	4313	46107	0.58%	0.011%
18	4.905	4.869	4.928	VV	19540	316914	3.99%	0.079%
19	4.949	4.928	4.988	VV	13155	186849	2.35%	0.046%
20	5.021	4.988	5.041	VV	8810	113694	1.43%	0.028%
21	5.056	5.041	5.084	VV	3468	50619	0.64%	0.013%
22	5.120	5.084	5.128	VV	8277	91146	1.15%	0.023%
23	5.144	5.128	5.174	VV	25232	329666	4.15%	0.082%
24	5.196	5.174	5.210	VV	35230	360282	4.54%	0.090%
25	5.227	5.210	5.249	VV	51529	569062	7.17%	0.141%
26	5.263	5.249	5.272	VV	8123	89019	1.12%	0.022%
27	5.284	5.272	5.303	VV	10981	124614	1.57%	0.031%
28	5.321	5.303	5.334	VV	2640	41932	0.53%	0.010%
29	5.356	5.334	5.372	VV	6959	103108	1.30%	0.026%
30	5.397	5.372	5.408	VV	6578	113249	1.43%	0.028%
31	5.431	5.408	5.445	VV	21434	293273	3.69%	0.073%
32	5.457	5.445	5.475	VV	22849	251989	3.17%	0.063%
33	5.499	5.475	5.508	VV	8745	124998	1.57%	0.031%
34	5.519	5.508	5.535	VV	11645	128536	1.62%	0.032%
35	5.544	5.535	5.555	VV	3754	36152	0.46%	0.009%
36	5.576	5.555	5.634	VV	23982	542191	6.83%	0.135%

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10A

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

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37	5.662	5.634	5.685	VV	8138	164310	2.07%	0.041%
38	5.709	5.685	5.722	VV	3234	58359	0	
39	5.767	5.722	5.793	VV	49155	921332	11	
40	5.803	5.793	5.821	VV	30435	328343	4	
41	5.835	5.821	5.847	VV	11495	143298	1	
42	5.867	5.847	5.908	VV	112629	1607523	20	
43	5.924	5.908	5.945	VV	62843	680502	8.57%	0.169%
44	5.965	5.945	5.981	VV	25917	354832	4.47%	0.088%
45	5.991	5.981	5.998	VV	11736	107342	1.35%	0.027%
46	6.013	5.998	6.039	VV	19381	296679	3.74%	0.074%
47	6.062	6.039	6.081	VV	27277	360089	4.54%	0.089%
48	6.114	6.081	6.134	VV	30523	553803	6.98%	0.138%
49	6.146	6.134	6.154	VV	10296	106698	1.34%	0.027%
50	6.187	6.154	6.225	VV	42474	746664	9.41%	0.186%
51	6.244	6.225	6.266	VV	34943	439264	5.53%	0.109%
52	6.292	6.266	6.318	VV	96240	1633751	20.58%	0.406%
53	6.333	6.318	6.346	VV	42925	533949	6.73%	0.133%
54	6.351	6.346	6.362	VV	28935	245803	3.10%	0.061%
55	6.377	6.362	6.395	VV	79992	903380	11.38%	0.225%
56	6.405	6.395	6.411	VV	25708	230824	2.91%	0.057%
57	6.423	6.411	6.451	VV	35111	620844	7.82%	0.154%
58	6.464	6.451	6.478	VV	22978	287619	3.62%	0.071%
59	6.485	6.478	6.497	VV	14644	152845	1.93%	0.038%
60	6.533	6.497	6.572	VV	113601	1797810	22.65%	0.447%
61	6.615	6.572	6.660	VV	61191	1287737	16.22%	0.320%
62	6.697	6.660	6.710	VV	39004	720945	9.08%	0.179%
63	6.729	6.710	6.745	VV	59063	875518	11.03%	0.218%
64	6.768	6.745	6.790	VV	47711	885105	11.15%	0.220%
65	6.812	6.790	6.830	VV	59950	860925	10.85%	0.214%
66	6.862	6.830	6.876	VV	41583	787160	9.92%	0.196%
67	6.893	6.876	6.915	VV	114126	1280295	16.13%	0.318%
68	6.934	6.915	6.951	VV	37524	554347	6.98%	0.138%
69	6.969	6.951	6.984	VV	28194	464026	5.85%	0.115%
70	7.015	6.984	7.080	VV	225210	3594001	45.28%	0.893%
71	7.098	7.080	7.117	VV	40059	593073	7.47%	0.147%
72	7.141	7.117	7.163	VV	85478	1385792	17.46%	0.344%
73	7.182	7.163	7.221	VV	118641	2166342	27.29%	0.538%
74	7.245	7.221	7.282	VV	372561	5065187	63.82%	1.259%
75	7.296	7.282	7.313	VV	52699	685205	8.63%	0.170%
76	7.336	7.313	7.359	VV	113277	2004023	25.25%	0.498%
77	7.381	7.359	7.419	VV	268955	4084101	51.46%	1.015%
78	7.439	7.419	7.448	VV	27143	420473	5.30%	0.104%
79	7.459	7.448	7.473	VV	30003	386043	4.86%	0.096%
80	7.490	7.473	7.509	VV	38177	611830	7.71%	0.152%
81	7.535	7.509	7.550	VV	240222	2938779	37.03%	0.730%
82	7.560	7.550	7.580	VV	102805	1417568	17.86%	0.352%
83	7.595	7.580	7.605	VV	94260	1103587	13.90%	0.274%
84	7.615	7.605	7.623	VV	84189	849141	10.70%	0.211%
85	7.631	7.623	7.675	VV	82940	1728545	21.78%	0.430%
86	7.690	7.675	7.695	VV	28019	303813	3.83%	0.076%
87	7.706	7.695	7.713	VV	30606	318271	4.01%	0.079%
88	7.734	7.713	7.768	VV	141666	2936105	36.99%	0.730%
89	7.787	7.768	7.810	VV	99779	1520124	19.15%	0.378%

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90	7.829	7.810	7.846	VV	57212	854148	10.76%	0.212%
91	7.875	7.846	7.917	VV	658072	7937038	100	
92	7.930	7.917	7.941	VV	52668	668418	8	
93	7.953	7.941	7.961	VV	54165	600152	7	
94	7.971	7.961	7.980	VV	53650	569435	7	
95	7.998	7.980	8.017	VV	80893	1362435	17	
96	8.034	8.017	8.049	VV	73407	1063732	13.40%	0.264%
97	8.078	8.049	8.105	VV	70377	1999368	25.19%	0.497%
98	8.145	8.105	8.160	VV	207012	3692381	46.52%	0.918%
99	8.168	8.160	8.182	VV	160892	1738975	21.91%	0.432%
100	8.194	8.182	8.222	VV	163787	2366433	29.82%	0.588%
101	8.244	8.222	8.251	VV	268524	2888193	36.39%	0.718%
102	8.259	8.251	8.304	VV	284723	4177385	52.63%	1.038%
103	8.325	8.304	8.334	VV	49361	810805	10.22%	0.202%
104	8.366	8.334	8.380	VV	509710	6835786	86.13%	1.699%
105	8.393	8.380	8.411	VV	373907	4093868	51.58%	1.017%
106	8.422	8.411	8.441	VV	114429	1667453	21.01%	0.414%
107	8.455	8.441	8.468	VV	105774	1342640	16.92%	0.334%
108	8.481	8.468	8.498	VV	98014	1554936	19.59%	0.386%
109	8.528	8.498	8.578	VV	192207	5720490	72.07%	1.422%
110	8.604	8.578	8.618	VV	97483	1695099	21.36%	0.421%
111	8.637	8.618	8.650	VV	161421	2235282	28.16%	0.556%
112	8.665	8.650	8.705	VV	158917	3170161	39.94%	0.788%
113	8.749	8.705	8.770	VV	407628	5652446	71.22%	1.405%
114	8.773	8.770	8.788	VV	60564	604746	7.62%	0.150%
115	8.813	8.788	8.827	VV	81885	1596316	20.11%	0.397%
116	8.841	8.827	8.853	VV	88506	1263835	15.92%	0.314%
117	8.864	8.853	8.872	VV	85596	920840	11.60%	0.229%
118	8.906	8.872	8.935	VV	110122	3390781	42.72%	0.843%
119	8.961	8.935	8.979	VV	148051	2900764	36.55%	0.721%
120	8.993	8.979	9.003	VV	107124	1322775	16.67%	0.329%
121	9.011	9.003	9.027	VV	95672	1153823	14.54%	0.287%
122	9.040	9.027	9.056	VV	90725	1302143	16.41%	0.324%
123	9.090	9.056	9.110	VV	363770	5502588	69.33%	1.368%
124	9.123	9.110	9.147	VV	158644	2506806	31.58%	0.623%
125	9.163	9.147	9.188	VV	128863	2408329	30.34%	0.599%
126	9.215	9.188	9.230	VV	151271	2716493	34.23%	0.675%
127	9.236	9.230	9.244	VV	97710	787421	9.92%	0.196%
128	9.262	9.244	9.279	VV	279630	3513736	44.27%	0.873%
129	9.303	9.279	9.346	VV	325703	5865517	73.90%	1.458%
130	9.365	9.346	9.386	VV	80390	1634434	20.59%	0.406%
131	9.419	9.386	9.435	VV	263318	3926139	49.47%	0.976%
132	9.450	9.435	9.469	VV	241374	2984606	37.60%	0.742%
133	9.475	9.469	9.487	VV	71236	738306	9.30%	0.183%
134	9.501	9.487	9.515	VV	82340	1208487	15.23%	0.300%
135	9.534	9.515	9.540	VV	133297	1475522	18.59%	0.367%
136	9.556	9.540	9.591	VV	283134	4644494	58.52%	1.154%
137	9.605	9.591	9.615	VV	90584	1224475	15.43%	0.304%
138	9.635	9.615	9.650	VV	123291	2075621	26.15%	0.516%
139	9.663	9.650	9.685	VV	105203	1718913	21.66%	0.427%
140	9.716	9.685	9.733	VV	279390	4307698	54.27%	1.071%
141	9.742	9.733	9.772	VV	136889	2525640	31.82%	0.628%

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142	9.790	9.772	9.804	VV	138361	2063706	26.00%	0.513%
143	9.821	9.804	9.831	VV	165954	2158807	27	
144	9.844	9.831	9.865	VV	224595	3256456	41	
145	9.880	9.865	9.905	VV	114943	2282408	28	
146	9.922	9.905	9.944	VV	99563	1968277	24	
147	9.964	9.944	9.990	VV	155915	3308085	41	
148	10.015	9.990	10.032	VV	142815	2905298	36.60%	0.722%
149	10.061	10.032	10.107	VV	160097	5031707	63.40%	1.251%
150	10.124	10.107	10.138	VV	85923	1466272	18.47%	0.364%
151	10.160	10.138	10.194	VV	105197	2794328	35.21%	0.694%
152	10.227	10.194	10.277	VV	153092	4392117	55.34%	1.092%
153	10.290	10.277	10.309	VV	58198	1034561	13.03%	0.257%
154	10.327	10.309	10.357	VV	81174	1905220	24.00%	0.473%
155	10.385	10.357	10.405	VV	149436	2692213	33.92%	0.669%
156	10.413	10.405	10.422	VV	68054	671723	8.46%	0.167%
157	10.451	10.422	10.471	VV	113248	2613967	32.93%	0.650%
158	10.495	10.471	10.501	VV	144621	1942432	24.47%	0.483%
159	10.521	10.501	10.544	VV	200857	3821780	48.15%	0.950%
160	10.564	10.544	10.589	VV	263024	4181549	52.68%	1.039%
161	10.594	10.589	10.616	VV	94032	1332788	16.79%	0.331%
162	10.640	10.616	10.650	VV	173444	2571596	32.40%	0.639%
163	10.660	10.650	10.680	VV	166213	2557154	32.22%	0.636%
164	10.701	10.680	10.725	VV	156284	3242173	40.85%	0.806%
165	10.738	10.725	10.753	VV	116517	1684977	21.23%	0.419%
166	10.775	10.753	10.792	VV	123458	2408986	30.35%	0.599%
167	10.810	10.792	10.827	VV	147266	2385102	30.05%	0.593%
168	10.871	10.827	10.891	VV	169363	4766652	60.06%	1.185%
169	10.908	10.891	10.935	VV	111217	2680583	33.77%	0.666%
170	10.945	10.935	10.963	VV	90786	1313161	16.54%	0.326%
171	11.007	10.963	11.022	VV	95805	2827696	35.63%	0.703%
172	11.044	11.022	11.068	VV	224580	3771068	47.51%	0.937%
173	11.076	11.068	11.100	VV	89100	1511167	19.04%	0.376%
174	11.134	11.100	11.162	VV	90231	2784785	35.09%	0.692%
175	11.182	11.162	11.201	VV	69575	1495127	18.84%	0.372%
176	11.222	11.201	11.241	VV	89522	1880476	23.69%	0.467%
177	11.264	11.241	11.283	VV	98082	2073358	26.12%	0.515%
178	11.296	11.283	11.320	VV	74549	1635537	20.61%	0.406%
179	11.355	11.320	11.377	VV	141282	3357512	42.30%	0.834%
180	11.401	11.377	11.425	VV	125355	2919100	36.78%	0.725%
181	11.442	11.425	11.466	VV	120470	2431248	30.63%	0.604%
182	11.474	11.466	11.502	VV	85483	1697955	21.39%	0.422%
183	11.524	11.502	11.551	VV	106524	2817086	35.49%	0.700%
184	11.568	11.551	11.585	VV	135769	2244239	28.28%	0.558%
185	11.596	11.585	11.622	VV	103104	1926258	24.27%	0.479%
186	11.640	11.622	11.663	VV	94846	1899500	23.93%	0.472%
187	11.699	11.663	11.728	VV	128042	3544349	44.66%	0.881%
188	11.736	11.728	11.764	VV	80729	1498438	18.88%	0.372%
189	11.784	11.764	11.792	VV	70538	1100505	13.87%	0.274%
190	11.818	11.792	11.835	VV	367253	5071115	63.89%	1.260%
191	11.850	11.835	11.865	VV	185180	2527821	31.85%	0.628%
192	11.881	11.865	11.920	VV	223356	3831177	48.27%	0.952%
193	11.945	11.920	11.977	VV	87600	2451089	30.88%	0.609%
194	11.998	11.977	12.014	VV	159769	2482187	31.27%	0.617%

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195	12.030	12.014	12.079	VV	147062	3577984	45.08%	0.889%
196	12.103	12.079	12.124	VV	73909	1765794	22	
197	12.152	12.124	12.170	VV	94800	2211122	27	
198	12.189	12.170	12.211	VV	91792	1884086	23	
199	12.222	12.211	12.236	VV	68659	1021249	12	
200	12.251	12.236	12.269	VV	78295	1304816	16	
201	12.289	12.269	12.302	VV	62420	1169597	14.74%	0.291%
202	12.326	12.302	12.335	VV	59630	1163762	14.66%	0.289%
203	12.352	12.335	12.365	VV	77053	1205272	15.19%	0.300%
204	12.384	12.365	12.405	VV	87793	1716057	21.62%	0.426%
205	12.422	12.405	12.441	VV	69811	1339319	16.87%	0.333%
206	12.466	12.441	12.486	VV	73584	1593232	20.07%	0.396%
207	12.500	12.486	12.511	VV	55153	787851	9.93%	0.196%
208	12.528	12.511	12.557	VV	70076	1690635	21.30%	0.420%
209	12.572	12.557	12.579	VV	68412	831274	10.47%	0.207%
210	12.595	12.579	12.621	VV	79954	1638175	20.64%	0.407%
211	12.641	12.621	12.684	VV	116444	3112382	39.21%	0.774%
212	12.718	12.684	12.728	VV	66188	1569481	19.77%	0.390%
213	12.752	12.728	12.771	VV	170264	2810964	35.42%	0.699%
214	12.787	12.771	12.802	VV	103083	1643259	20.70%	0.408%
215	12.815	12.802	12.845	VV	94326	1800117	22.68%	0.447%
216	12.866	12.845	12.914	VV	104662	2701823	34.04%	0.671%
217	12.923	12.914	12.939	VV	43904	626351	7.89%	0.156%
218	12.967	12.939	12.976	VV	46970	961841	12.12%	0.239%
219	12.993	12.976	13.015	VV	61068	1191620	15.01%	0.296%
220	13.025	13.015	13.039	VV	42701	592320	7.46%	0.147%
221	13.057	13.039	13.076	VV	49380	967938	12.20%	0.241%
222	13.087	13.076	13.101	VV	44739	654434	8.25%	0.163%
223	13.114	13.101	13.139	VV	44773	957613	12.07%	0.238%
224	13.162	13.139	13.212	VV	76639	2070976	26.09%	0.515%
225	13.234	13.212	13.239	VV	45110	650937	8.20%	0.162%
226	13.261	13.239	13.287	VV	103344	1865185	23.50%	0.464%
227	13.308	13.287	13.327	VV	55597	1165213	14.68%	0.290%
228	13.338	13.327	13.361	VV	48930	908950	11.45%	0.226%
229	13.372	13.361	13.395	VV	39765	724036	9.12%	0.180%
230	13.446	13.395	13.475	VV	55851	1993394	25.12%	0.495%
231	13.499	13.475	13.543	VV	67593	1765670	22.25%	0.439%
232	13.563	13.543	13.577	VV	46256	753072	9.49%	0.187%
233	13.595	13.577	13.618	VV	48085	973828	12.27%	0.242%
234	13.638	13.618	13.650	VV	32364	581948	7.33%	0.145%
235	13.668	13.650	13.696	VV	36409	915357	11.53%	0.227%
236	13.712	13.696	13.732	VV	33619	669964	8.44%	0.167%
237	13.754	13.732	13.789	VV	37662	1062670	13.39%	0.264%
238	13.798	13.789	13.817	VV	26939	427195	5.38%	0.106%
239	13.827	13.817	13.843	VV	22140	329360	4.15%	0.082%
240	13.867	13.843	13.883	VV	28342	601477	7.58%	0.149%
241	13.903	13.883	13.920	VV	30516	612848	7.72%	0.152%
242	13.941	13.920	13.986	VV	31387	1058570	13.34%	0.263%
243	13.990	13.986	14.000	VV	22491	196092	2.47%	0.049%
244	14.027	14.000	14.054	VV	33809	863789	10.88%	0.215%
245	14.071	14.054	14.093	VV	26078	545694	6.88%	0.136%
246	14.110	14.093	14.155	VV	20487	708479	8.93%	0.176%

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247	14.161	14.155	14.194	VV	17732	370268	4.67%	0.092%
248	14.211	14.194	14.238	VV	18433	451826	5	
249	14.243	14.238	14.282	VV	16471	399778	5	
250	14.312	14.282	14.335	VV	15770	461787	5	
251	14.343	14.335	14.353	VV	14077	149621	1	
252	14.372	14.353	14.399	VV	18817	425804	5	
253	14.410	14.399	14.423	VV	13165	191275	2.41%	0.048%
254	14.455	14.423	14.460	VV	14299	294746	3.71%	0.073%
255	14.467	14.460	14.483	VV	14368	192472	2.42%	0.048%
256	14.490	14.483	14.500	VV	14139	145139	1.83%	0.036%
257	14.508	14.500	14.551	VV	13487	365741	4.61%	0.091%
258	14.579	14.551	14.642	VV	14257	679428	8.56%	0.169%
259	14.677	14.642	14.684	VV	13099	289801	3.65%	0.072%
260	14.689	14.684	14.697	VV	12555	102215	1.29%	0.025%
261	14.702	14.697	14.718	VV	12442	144979	1.83%	0.036%
262	14.736	14.718	14.765	VV	12597	309530	3.90%	0.077%
263	14.776	14.765	14.797	VV	9630	172391	2.17%	0.043%
264	14.825	14.797	14.842	VV	8860	225188	2.84%	0.056%
265	14.860	14.842	14.879	VV	9204	188647	2.38%	0.047%
266	14.891	14.879	14.915	VV	8269	168149	2.12%	0.042%
267	14.929	14.915	14.950	VV	7140	143474	1.81%	0.036%
268	14.956	14.950	14.962	VV	6422	45107	0.57%	0.011%
269	14.967	14.962	14.972	VV	6367	35975	0.45%	0.009%
270	14.976	14.972	14.989	VV	6300	61912	0.78%	0.015%
271	15.009	14.989	15.027	VV	6479	137957	1.74%	0.034%
272	15.053	15.027	15.069	VV	11140	219953	2.77%	0.055%
273	15.092	15.069	15.161	VV	12609	468177	5.90%	0.116%
274	15.167	15.161	15.182	VV	5382	64283	0.81%	0.016%
275	15.201	15.182	15.221	VV	6046	126617	1.60%	0.031%
276	15.245	15.221	15.291	VV	5779	216624	2.73%	0.054%
277	15.298	15.291	15.318	VV	4497	65734	0.83%	0.016%
278	15.327	15.318	15.334	VV	4194	38599	0.49%	0.010%
279	15.360	15.334	15.383	VV	4567	122104	1.54%	0.030%
280	15.386	15.383	15.449	VV	3724	129830	1.64%	0.032%
281	15.460	15.449	15.468	VV	3023	31583	0.40%	0.008%
282	15.506	15.468	15.583	VV	9941	362836	4.57%	0.090%
283	15.588	15.583	15.620	VV	3350	62586	0.79%	0.016%
284	15.661	15.620	15.678	VV	4514	112606	1.42%	0.028%
285	15.689	15.678	15.707	VV	2632	41482	0.52%	0.010%
286	15.732	15.707	15.760	VV	3934	95280	1.20%	0.024%
287	15.769	15.760	15.794	VV	3081	50337	0.63%	0.013%
288	15.797	15.794	15.812	VV	1930	19762	0.25%	0.005%
289	15.824	15.812	15.830	VV	2161	22480	0.28%	0.006%
290	15.833	15.830	15.839	VV	2081	10052	0.13%	0.002%
291	15.843	15.839	15.847	VV	2033	9878	0.12%	0.002%
292	15.854	15.847	15.865	VV	2206	23554	0.30%	0.006%
293	15.888	15.865	15.939	VV	2542	89435	1.13%	0.022%
294	15.957	15.939	16.006	VV	1769	54535	0.69%	0.014%
295	16.014	16.006	16.019	VV	1198	8198	0.10%	0.002%
296	16.045	16.019	16.065	VV	1335	32616	0.41%	0.008%
297	16.071	16.065	16.091	VV	1125	15693	0.20%	0.004%
298	16.108	16.091	16.120	VV	1568	22812	0.29%	0.006%
299	16.143	16.120	16.209	VV	5466	111238	1.40%	0.028%

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300	16.214	16.209	16.237	VV	894	11083	0.14%	0.003%
301	16.241	16.237	16.247	VV	486	2169		
302	16.251	16.247	16.272	VV	386	2862		
303	16.329	16.272	16.357	PV	1063	26895		
304	16.372	16.357	16.392	VV	921	14366		
305	16.402	16.392	16.407	VV	598	4670		
306	16.424	16.407	16.430	VV	885	9583	0.12%	0.002%
307	16.437	16.430	16.460	VV	933	12605	0.16%	0.003%
308	16.465	16.460	16.474	VV	504	3878	0.05%	0.001%
309	16.479	16.474	16.486	VV	649	4182	0.05%	0.001%
310	16.490	16.486	16.502	VV	523	4222	0.05%	0.001%
311	16.532	16.502	16.565	VV	1472	37220	0.47%	0.009%
312	16.584	16.565	16.590	VV	997	11775	0.15%	0.003%
313	16.619	16.590	16.684	VV	6563	185664	2.34%	0.046%
314	16.694	16.684	16.698	VV	1030	8244	0.10%	0.002%
315	16.710	16.698	16.728	VV	1490	20187	0.25%	0.005%
316	16.750	16.728	16.763	VV	1498	22692	0.29%	0.006%
317	16.774	16.763	16.830	VV	1294	31426	0.40%	0.008%
318	16.839	16.830	16.866	VV	366	5029	0.06%	0.001%
319	16.886	16.866	16.891	VV	405	3931	0.05%	0.001%
320	16.909	16.891	16.915	VV	898	9738	0.12%	0.002%
321	16.938	16.915	16.974	VV	3443	66113	0.83%	0.016%
322	17.002	16.974	17.047	VV	4021	98414	1.24%	0.024%
323	17.063	17.047	17.078	VV	1294	20635	0.26%	0.005%
324	17.100	17.078	17.124	VV	2627	46353	0.58%	0.012%
325	17.147	17.124	17.172	VV	3037	48495	0.61%	0.012%
326	17.178	17.172	17.194	VV	739	7284	0.09%	0.002%
327	17.225	17.194	17.239	VV	548	11660	0.15%	0.003%
328	17.263	17.239	17.298	VV	990	23862	0.30%	0.006%
329	17.305	17.298	17.314	VV	464	3465	0.04%	0.001%
330	17.319	17.314	17.323	VV	476	2012	0.03%	0.000%
331	17.331	17.323	17.345	VV	564	5630	0.07%	0.001%
332	17.375	17.345	17.380	VV	790	12364	0.16%	0.003%
333	17.388	17.380	17.395	VV	886	7417	0.09%	0.002%
334	17.402	17.395	17.440	VV	963	17550	0.22%	0.004%
335	17.447	17.440	17.458	VV	531	4631	0.06%	0.001%
336	17.492	17.458	17.512	VV	965	22733	0.29%	0.006%
337	17.517	17.512	17.527	VV	727	5828	0.07%	0.001%
338	17.543	17.527	17.549	VV	1086	11090	0.14%	0.003%
339	17.552	17.549	17.584	VV	1050	10568	0.13%	0.003%
340	17.589	17.584	17.600	VV	385	2760	0.03%	0.001%
341	17.608	17.600	17.628	VV	373	3978	0.05%	0.001%
342	17.661	17.628	17.688	VV	628	14657	0.18%	0.004%
343	17.707	17.688	17.712	VV	493	5512	0.07%	0.001%
344	17.717	17.712	17.723	VV	473	2559	0.03%	0.001%
345	17.726	17.723	17.753	VV	359	4532	0.06%	0.001%
346	17.769	17.753	17.785	VV	679	8316	0.10%	0.002%
347	17.800	17.785	17.811	VV	315	3336	0.04%	0.001%
348	17.843	17.811	17.866	PV	440	6545	0.08%	0.002%
349	17.882	17.866	17.901	PV	230	2386	0.03%	0.001%
350	17.987	17.901	18.019	VV	1757	54743	0.69%	0.014%
351	18.023	18.019	18.031	VV	426	2792	0.04%	0.001%

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10A

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

					rteres			
352	18.044	18.031	18.052	VV	454	4880	0.06%	0.001%
353	18.081	18.052	18.094	VV	966	17601	0	
354	18.102	18.094	18.132	VV	793	15293	0	
355	18.150	18.132	18.155	VV	883	9058	0	
356	18.159	18.155	18.188	VV	921	12379	0	
357	18.194	18.188	18.205	VV	485	4682	0	
358	18.211	18.205	18.216	VV	474	2735	0.03%	0.001%
359	18.219	18.216	18.237	VV	434	5198	0.07%	0.001%
360	18.242	18.237	18.247	VV	407	1960	0.02%	0.000%
361	18.295	18.247	18.314	VV	1186	30981	0.39%	0.008%
362	18.355	18.314	18.371	VV	4487	94402	1.19%	0.023%
363	18.378	18.371	18.404	VV	4172	73021	0.92%	0.018%
364	18.411	18.404	18.462	VV	3311	64626	0.81%	0.016%
365	18.481	18.462	18.487	VV	857	10238	0.13%	0.003%
366	18.491	18.487	18.494	VV	766	2981	0.04%	0.001%
367	18.500	18.494	18.505	VV	762	4756	0.06%	0.001%
368	18.516	18.505	18.522	VV	721	6737	0.08%	0.002%
369	18.529	18.522	18.540	VV	702	6798	0.09%	0.002%
370	18.552	18.540	18.558	VV	797	7309	0.09%	0.002%
371	18.561	18.558	18.593	VV	678	8507	0.11%	0.002%
372	18.636	18.593	18.692	VV	2086	53603	0.68%	0.013%
373	18.697	18.692	18.724	VV	460	4546	0.06%	0.001%
374	18.734	18.724	18.750	VBA	137	5674	0.07%	0.001%
			Sum of corrected areas:			402370588		

Aromatic EPH 090424.M Fri Sep 20 03:20:22 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10ADL		SDG No.:	P4103	
Lab Sample ID:	P4103-10DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
FE050239.D	2	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	23.8		0.89	2.33	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	104	E	0.56	1.55	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	88.7	E	0.70	2.33	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1.87	3.11	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.3		4.20	4.66	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	13.1		40 - 140	53%	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:	P4103-10DL	Acq On:	20 Sep 2024 11:15
Client Sample ID:	WC-14-7.5-10ADL	Operator:	YP\AJ
Data file:	FE050239.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.158	6.776	21005378	153.011	300	ug/ml
Aliphatic C12-C16	6.777	10.209	92872994	675.257	200	ug/ml
Aliphatic C16-C21	10.210	13.569	77165542	570.69	300	ug/ml
Aliphatic C21-C28	13.570	17.223	8839759	68.319	400	ug/ml
Aliphatic C28-C40	17.224	22.077	12562589	104.604	600	ug/ml
Aliphatic EPH	3.158	22.077	212446262	1570		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.303	13.303	1476262	13.14		ug/ml
Aliphatic C9-C28	3.158	17.223	199883673	1470	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050239.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 11:15
Operator : YP\AJ
Sample : P4103-10DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL

Integration File: autoint1.e
Quant Time: Sep 21 03:45:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.303	1476262	13.143 ug/ml
Spiked Amount 50.000		Recovery = 26.29%	
Target Compounds			

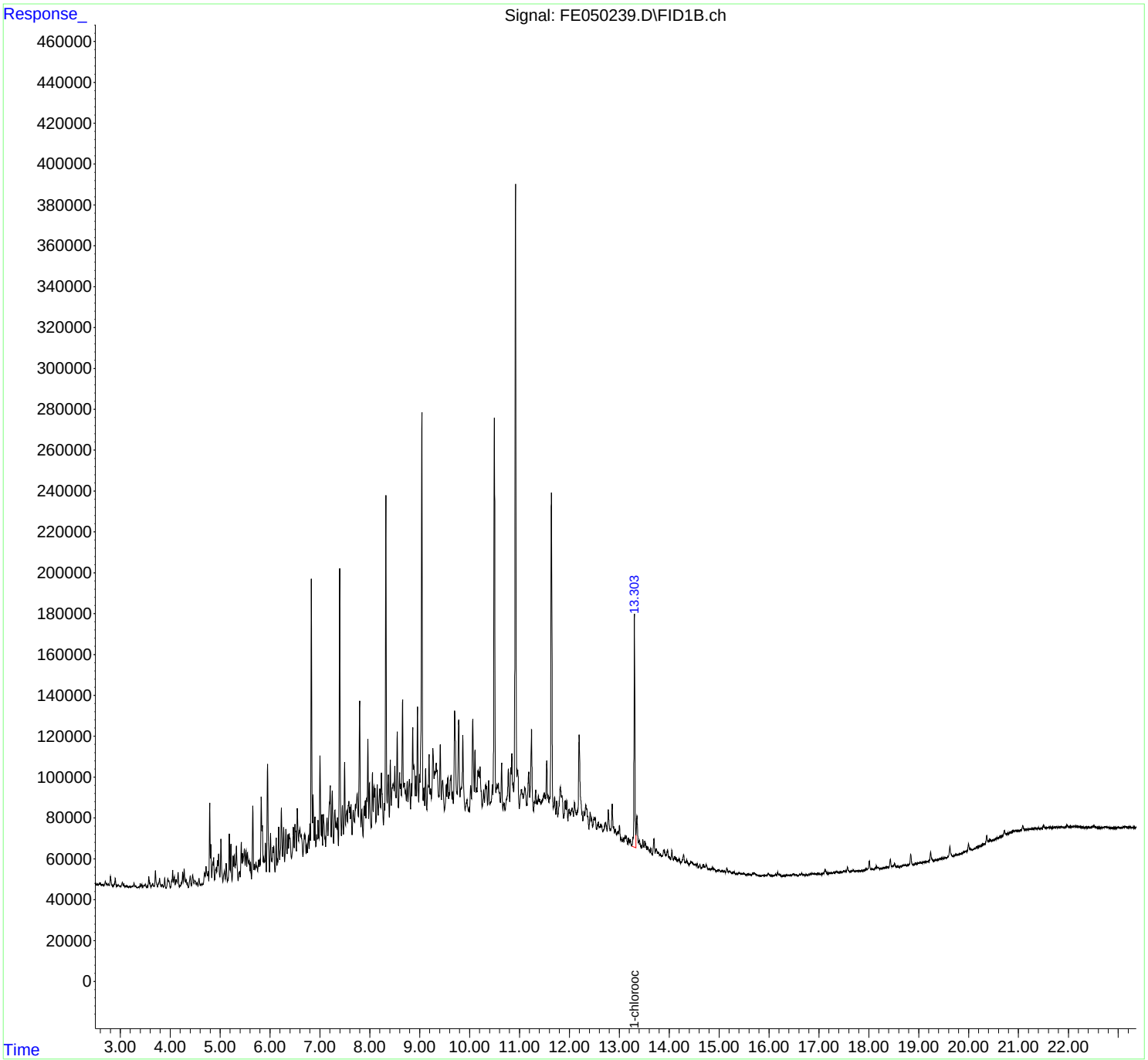
(f)=RT Delta > 1/2 Window (m)=manual int.

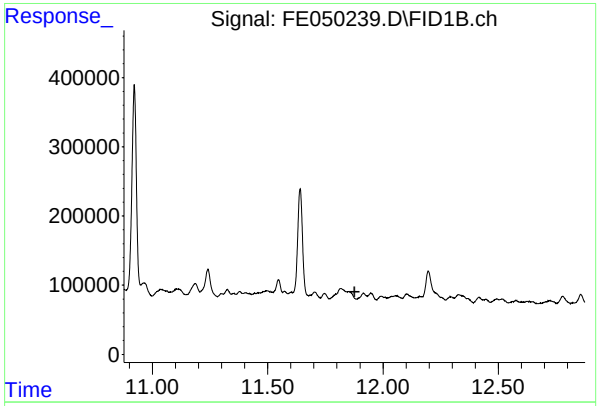
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050239.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 11:15
Operator : YP\AJ
Sample : P4103-10DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL

Integration File: autoint1.e
Quant Time: Sep 21 03:45:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

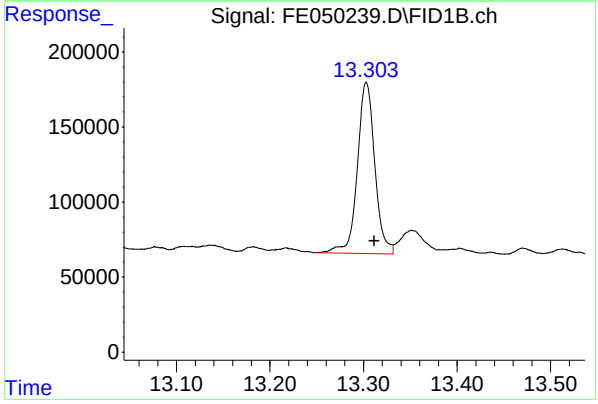




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.008 min
Response: 1476262
Conc: 13.14 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050239.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 11:15
Sample : P4103-10DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.124	3.104	3.158	BV	191	2660	0.05%	0.001%
2	3.184	3.158	3.204	PV	307	4146	0.07%	0.002%
3	3.219	3.204	3.230	VV	338	3882	0.07%	0.002%
4	3.246	3.230	3.257	VV	611	7211	0.13%	0.003%
5	3.275	3.257	3.295	VV	2119	25050	0.44%	0.012%
6	3.306	3.295	3.347	VV	480	7561	0.13%	0.004%
7	3.401	3.347	3.417	PV	1807	24601	0.43%	0.011%
8	3.431	3.417	3.451	VV	1431	16714	0.29%	0.008%
9	3.471	3.451	3.485	VV	1123	14651	0.26%	0.007%
10	3.501	3.485	3.528	VV	1736	22882	0.40%	0.011%
11	3.539	3.528	3.550	VV	811	7409	0.13%	0.003%
12	3.571	3.550	3.612	VV	5279	80524	1.41%	0.038%
13	3.650	3.612	3.684	VV	2009	47637	0.84%	0.022%
14	3.704	3.684	3.747	VV	8245	120744	2.12%	0.056%
15	3.787	3.747	3.821	VV	4563	88870	1.56%	0.041%
16	3.838	3.821	3.869	VV	1436	25568	0.45%	0.012%
17	3.890	3.869	3.921	VV	4734	49220	0.86%	0.023%
18	3.952	3.921	4.002	PV	4502	103859	1.82%	0.048%
19	4.050	4.002	4.065	VV	8377	127040	2.23%	0.059%
20	4.082	4.065	4.100	VV	5144	73942	1.30%	0.034%
21	4.118	4.100	4.137	VV	3813	64131	1.13%	0.030%
22	4.158	4.137	4.182	VV	7347	102766	1.80%	0.048%
23	4.197	4.182	4.207	VV	1106	11853	0.21%	0.006%
24	4.250	4.207	4.263	VV	7417	109489	1.92%	0.051%
25	4.280	4.263	4.305	VV	9000	128712	2.26%	0.060%
26	4.319	4.305	4.365	VV	3841	72769	1.28%	0.034%
27	4.401	4.365	4.428	VV	5670	88213	1.55%	0.041%
28	4.449	4.428	4.475	VV	6065	104278	1.83%	0.049%
29	4.492	4.475	4.530	VV	3205	79781	1.40%	0.037%
30	4.540	4.530	4.557	VV	2096	23153	0.41%	0.011%
31	4.577	4.557	4.602	VV	4195	59926	1.05%	0.028%
32	4.611	4.602	4.621	VV	1173	11699	0.21%	0.005%
33	4.637	4.621	4.649	VV	1888	23166	0.41%	0.011%
34	4.690	4.649	4.703	VV	6923	128471	2.25%	0.060%
35	4.719	4.703	4.746	VV	10087	187205	3.29%	0.087%
36	4.759	4.746	4.772	VV	7637	93118	1.63%	0.043%

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37	4.792	4.772	4.832	VV	40992	645461	11.33%	0.301%
38	4.870	4.832	4.890	VV	14376	323913	5.68%	0.151%
39	4.923	4.890	4.934	VV	9518	190115	3.34%	0.089%
40	4.948	4.934	4.958	VV	12856	154143	2.71%	0.072%
41	4.970	4.958	4.995	VV	16064	231354	4.06%	0.108%
42	5.017	4.995	5.056	VV	23226	368288	6.46%	0.172%
43	5.086	5.056	5.104	VV	7749	158644	2.78%	0.074%
44	5.122	5.104	5.148	VV	11444	177259	3.11%	0.083%
45	5.185	5.148	5.201	VV	25861	345798	6.07%	0.161%
46	5.217	5.201	5.239	VV	20777	260007	4.56%	0.121%
47	5.261	5.239	5.272	VV	14850	188624	3.31%	0.088%
48	5.285	5.272	5.300	VV	15435	203544	3.57%	0.095%
49	5.327	5.300	5.361	VV	19766	405153	7.11%	0.189%
50	5.386	5.361	5.403	VV	6748	141335	2.48%	0.066%
51	5.425	5.403	5.438	VV	21603	286531	5.03%	0.133%
52	5.448	5.438	5.459	VV	16190	176177	3.09%	0.082%
53	5.486	5.459	5.502	VV	18208	374123	6.57%	0.174%
54	5.519	5.502	5.534	VV	17564	272000	4.77%	0.127%
55	5.549	5.534	5.574	VV	16339	311099	5.46%	0.145%
56	5.584	5.574	5.598	VV	12597	159996	2.81%	0.075%
57	5.610	5.598	5.629	VV	11981	155346	2.73%	0.072%
58	5.656	5.629	5.677	VV	39210	535088	9.39%	0.249%
59	5.688	5.677	5.702	VV	10819	139804	2.45%	0.065%
60	5.720	5.702	5.751	VV	11807	285356	5.01%	0.133%
61	5.773	5.751	5.785	VV	12736	211542	3.71%	0.099%
62	5.825	5.785	5.865	VV	43565	1069459	18.77%	0.498%
63	5.874	5.865	5.889	VV	13891	177396	3.11%	0.083%
64	5.909	5.889	5.926	VV	20997	314637	5.52%	0.147%
65	5.951	5.926	5.991	VV	59579	1050546	18.44%	0.489%
66	6.011	5.991	6.041	VV	25801	468748	8.23%	0.218%
67	6.076	6.041	6.101	VV	19600	525442	9.22%	0.245%
68	6.125	6.101	6.141	VV	23412	345223	6.06%	0.161%
69	6.175	6.141	6.195	VV	28756	549056	9.64%	0.256%
70	6.228	6.195	6.252	VV	38007	789038	13.85%	0.368%
71	6.274	6.252	6.294	VV	28409	490404	8.61%	0.228%
72	6.320	6.294	6.343	VV	27650	579012	10.16%	0.270%
73	6.361	6.343	6.373	VV	25078	367251	6.44%	0.171%
74	6.387	6.373	6.429	VV	25014	692437	12.15%	0.323%
75	6.469	6.429	6.486	VV	28318	668433	11.73%	0.311%
76	6.501	6.486	6.528	VV	29795	623725	10.95%	0.291%
77	6.548	6.528	6.573	VV	37562	741961	13.02%	0.346%
78	6.599	6.573	6.614	VV	27932	630474	11.06%	0.294%
79	6.625	6.614	6.661	VV	24711	585920	10.28%	0.273%
80	6.692	6.661	6.724	VV	25049	784069	13.76%	0.365%
81	6.736	6.724	6.749	VV	19836	263755	4.63%	0.123%
82	6.771	6.749	6.785	VV	24127	447451	7.85%	0.208%
83	6.800	6.785	6.809	VV	29932	358851	6.30%	0.167%
84	6.829	6.809	6.852	VV	149200	1871048	32.84%	0.871%
85	6.863	6.852	6.887	VV	44387	701559	12.31%	0.327%
86	6.901	6.887	6.920	VV	33396	506142	8.88%	0.236%
87	6.962	6.920	6.980	VV	31755	885688	15.54%	0.413%
88	7.003	6.980	7.028	VV	62880	1119682	19.65%	0.522%
89	7.040	7.028	7.054	VV	34493	441274	7.74%	0.206%

90	7.071	7.054	7.115	VV	34213	969635	17.02%	0.452%
91	7.144	7.115	7.162	VV	32653	753542	13.22%	0.351%
92	7.207	7.162	7.227	VV	48546	1382339	24.26%	0.644%
93	7.249	7.227	7.275	VV	45838	914846	16.05%	0.426%
94	7.300	7.275	7.319	VV	36299	792510	13.91%	0.369%
95	7.329	7.319	7.341	VV	30015	380695	6.68%	0.177%
96	7.354	7.341	7.371	VV	32931	496965	8.72%	0.231%
97	7.397	7.371	7.431	VV	154795	2298653	40.34%	1.071%
98	7.451	7.431	7.472	VV	38664	757616	13.30%	0.353%
99	7.496	7.472	7.514	VV	59685	1004155	17.62%	0.468%
100	7.540	7.514	7.554	VV	35959	795803	13.97%	0.371%
101	7.581	7.554	7.612	VV	40637	1286088	22.57%	0.599%
102	7.624	7.612	7.646	VV	38953	658154	11.55%	0.307%
103	7.670	7.646	7.698	VV	36086	978702	17.18%	0.456%
104	7.747	7.698	7.770	VV	44227	1657173	29.08%	0.772%
105	7.797	7.770	7.825	VV	89902	1761682	30.92%	0.821%
106	7.840	7.825	7.865	VV	36390	738109	12.95%	0.344%
107	7.886	7.865	7.897	VV	38191	608459	10.68%	0.283%
108	7.909	7.897	7.923	VV	40724	581209	10.20%	0.271%
109	7.963	7.923	7.979	VV	70996	1551015	27.22%	0.722%
110	7.993	7.979	8.028	VV	49383	1093192	19.18%	0.509%
111	8.053	8.028	8.069	VV	54399	982268	17.24%	0.458%
112	8.085	8.069	8.096	VV	47865	687697	12.07%	0.320%
113	8.105	8.096	8.123	VV	46665	654399	11.48%	0.305%
114	8.150	8.123	8.169	VV	48366	1058652	18.58%	0.493%
115	8.201	8.169	8.216	VV	46447	1152375	20.22%	0.537%
116	8.234	8.216	8.275	VV	53898	1477229	25.92%	0.688%
117	8.323	8.275	8.348	VV	190263	3141984	55.14%	1.463%
118	8.371	8.348	8.393	VV	53228	1182128	20.75%	0.551%
119	8.412	8.393	8.431	VV	60445	1061332	18.63%	0.494%
120	8.467	8.431	8.487	VV	48816	1535588	26.95%	0.715%
121	8.502	8.487	8.529	VV	56985	1216261	21.34%	0.566%
122	8.551	8.529	8.574	VV	74075	1406108	24.68%	0.655%
123	8.599	8.574	8.612	VV	54077	1048671	18.40%	0.488%
124	8.621	8.612	8.633	VV	48711	598580	10.50%	0.279%
125	8.658	8.633	8.679	VV	89639	1727128	30.31%	0.804%
126	8.694	8.679	8.734	VV	49025	1477322	25.93%	0.688%
127	8.750	8.734	8.766	VV	49592	869524	15.26%	0.405%
128	8.795	8.766	8.818	VV	50777	1402923	24.62%	0.653%
129	8.834	8.818	8.843	VV	48712	660887	11.60%	0.308%
130	8.861	8.843	8.912	VV	75885	2309311	40.53%	1.076%
131	8.927	8.912	8.939	VV	52414	778866	13.67%	0.363%
132	8.957	8.939	8.981	VV	86208	1508858	26.48%	0.703%
133	9.044	8.981	9.070	VV	229533	4655422	81.70%	2.168%
134	9.083	9.070	9.102	VV	46406	816081	14.32%	0.380%
135	9.120	9.102	9.143	VV	55945	1119227	19.64%	0.521%
136	9.189	9.143	9.207	VV	62499	1859868	32.64%	0.866%
137	9.219	9.207	9.236	VV	45795	758687	13.31%	0.353%
138	9.266	9.236	9.290	VV	64672	1763254	30.94%	0.821%
139	9.331	9.290	9.382	VV	58412	2910443	51.08%	1.356%
140	9.414	9.382	9.436	VV	67280	1644205	28.85%	0.766%
141	9.461	9.436	9.497	VV	50034	1598836	28.06%	0.745%

142	9.533	9.497	9.545	VV	47744	1201242	21.08%	0.559%
143	9.564	9.545	9.581	VV	51183	1005006	17.64%	0.468%
144	9.592	9.581	9.598	VV	43987	428550	7.52%	0.200%
145	9.629	9.598	9.648	VV	52363	1442214	25.31%	0.672%
146	9.659	9.648	9.675	VV	44221	661011	11.60%	0.308%
147	9.703	9.675	9.754	VV	84002	2711321	47.58%	1.263%
148	9.782	9.754	9.810	VV	79484	1948654	34.20%	0.908%
149	9.866	9.810	9.912	VV	71698	2931068	51.44%	1.365%
150	9.947	9.912	9.978	VV	40064	1492286	26.19%	0.695%
151	10.023	9.978	10.038	VV	47004	1430242	25.10%	0.666%
152	10.065	10.038	10.094	VV	79492	1970976	34.59%	0.918%
153	10.110	10.094	10.131	VV	64282	1181057	20.73%	0.550%
154	10.141	10.131	10.150	VV	45813	501225	8.80%	0.233%
155	10.169	10.150	10.200	VV	54477	1559242	27.36%	0.726%
156	10.212	10.200	10.253	VV	56251	1463798	25.69%	0.682%
157	10.282	10.253	10.301	VV	44810	1169454	20.52%	0.545%
158	10.322	10.301	10.331	VV	47338	807279	14.17%	0.376%
159	10.339	10.331	10.362	VV	46538	800341	14.05%	0.373%
160	10.383	10.362	10.408	VV	49100	1170497	20.54%	0.545%
161	10.457	10.408	10.468	VV	47412	1491277	26.17%	0.695%
162	10.497	10.468	10.528	VV	227089	3952436	69.36%	1.841%
163	10.577	10.528	10.617	VV	48032	2409942	42.29%	1.122%
164	10.644	10.617	10.669	VV	57980	1389443	24.38%	0.647%
165	10.689	10.669	10.711	VV	38107	934868	16.41%	0.435%
166	10.777	10.711	10.805	VV	54849	2413335	42.35%	1.124%
167	10.847	10.805	10.885	VV	62665	2394726	42.03%	1.115%
168	10.921	10.885	10.951	VV	340246	5698261	100.00%	2.654%
169	10.964	10.951	10.999	VV	54153	1328132	23.31%	0.619%
170	11.036	10.999	11.073	VV	44750	1872169	32.86%	0.872%
171	11.111	11.073	11.146	VV	45240	1838486	32.26%	0.856%
172	11.185	11.146	11.207	VV	53280	1648952	28.94%	0.768%
173	11.241	11.207	11.282	VV	74035	2231757	39.17%	1.039%
174	11.325	11.282	11.342	VV	44383	1431552	25.12%	0.667%
175	11.351	11.342	11.362	VV	38842	455662	8.00%	0.212%
176	11.378	11.362	11.392	VV	41587	716089	12.57%	0.334%
177	11.404	11.392	11.430	VV	39854	881318	15.47%	0.410%
178	11.496	11.430	11.518	VV	42874	2114483	37.11%	0.985%
179	11.547	11.518	11.588	VV	58751	1899528	33.34%	0.885%
180	11.640	11.588	11.678	VV	190007	4191497	73.56%	1.952%
181	11.704	11.678	11.728	VV	40556	1115166	19.57%	0.519%
182	11.746	11.728	11.768	VV	38646	834441	14.64%	0.389%
183	11.817	11.768	11.884	VV	45557	2694784	47.29%	1.255%
184	11.916	11.884	11.932	VV	38774	990827	17.39%	0.461%
185	11.948	11.932	11.971	VV	38952	832375	14.61%	0.388%
186	11.992	11.971	12.019	VV	34571	933655	16.38%	0.435%
187	12.056	12.019	12.083	VV	35211	1291103	22.66%	0.601%
188	12.103	12.083	12.138	VV	37913	1134900	19.92%	0.529%
189	12.197	12.138	12.271	VV	70565	3276454	57.50%	1.526%
190	12.294	12.271	12.308	VV	33350	696796	12.23%	0.325%
191	12.329	12.308	12.391	VV	36585	1617415	28.38%	0.753%
192	12.416	12.391	12.438	VV	32876	818857	14.37%	0.381%
193	12.446	12.438	12.465	VV	29859	466874	8.19%	0.217%
194	12.494	12.465	12.504	VV	30487	662243	11.62%	0.308%

195	12.516	12.504	12.545	VV	30135	683195	11.99%	0.318%
196	12.577	12.545	12.614	VV	27788	1094021	19.20%	0.510%
197	12.626	12.614	12.669	VV	26807	845309	14.83%	0.394%
198	12.722	12.669	12.753	VV	27818	1288180	22.61%	0.600%
199	12.779	12.753	12.814	VV	34103	1022832	17.95%	0.476%
200	12.858	12.814	12.901	VV	36800	1438444	25.24%	0.670%
201	12.920	12.901	12.948	VV	24425	643323	11.29%	0.300%
202	12.970	12.948	12.983	VV	23497	486881	8.54%	0.227%
203	13.002	12.983	13.061	VV	26134	999332	17.54%	0.465%
204	13.078	13.061	13.093	VV	20046	368435	6.47%	0.172%
205	13.109	13.093	13.122	VV	20441	339416	5.96%	0.158%
206	13.137	13.122	13.165	VV	21087	510377	8.96%	0.238%
207	13.182	13.165	13.200	VV	20019	390393	6.85%	0.182%
208	13.218	13.200	13.249	VV	19276	526541	9.24%	0.245%
209	13.303	13.249	13.331	VV	129439	2250421	39.49%	1.048%
210	13.352	13.331	13.384	VV	30932	775964	13.62%	0.361%
211	13.403	13.384	13.451	VV	18956	676419	11.87%	0.315%
212	13.471	13.451	13.492	VV	19024	417097	7.32%	0.194%
213	13.513	13.492	13.552	VV	18353	588211	10.32%	0.274%
214	13.570	13.552	13.616	VV	15609	557538	9.78%	0.260%
215	13.632	13.616	13.664	VV	14844	376651	6.61%	0.175%
216	13.693	13.664	13.718	VV	19553	496326	8.71%	0.231%
217	13.741	13.718	13.767	VV	14452	391867	6.88%	0.183%
218	13.779	13.767	13.805	VV	12705	285835	5.02%	0.133%
219	13.814	13.805	13.864	VV	11855	401280	7.04%	0.187%
220	13.888	13.864	13.932	VV	13792	506087	8.88%	0.236%
221	13.963	13.932	13.991	VV	13821	430978	7.56%	0.201%
222	14.003	13.991	14.030	VV	10529	230896	4.05%	0.108%
223	14.052	14.030	14.087	VV	13700	371067	6.51%	0.173%
224	14.109	14.087	14.126	VV	10466	226475	3.97%	0.105%
225	14.138	14.126	14.168	VV	10066	231753	4.07%	0.108%
226	14.198	14.168	14.225	VV	9084	296295	5.20%	0.138%
227	14.235	14.225	14.244	VV	7899	89620	1.57%	0.042%
228	14.289	14.244	14.316	VV	11176	395777	6.95%	0.184%
229	14.352	14.316	14.397	VV	8384	361883	6.35%	0.169%
230	14.436	14.397	14.455	VV	8110	254473	4.47%	0.119%
231	14.465	14.455	14.504	VV	7493	203203	3.57%	0.095%
232	14.522	14.504	14.542	VV	6521	141209	2.48%	0.066%
233	14.560	14.542	14.589	VV	6795	167371	2.94%	0.078%
234	14.614	14.589	14.654	VV	6520	210175	3.69%	0.098%
235	14.682	14.654	14.717	VV	6363	206261	3.62%	0.096%
236	14.739	14.717	14.798	VV	6346	241485	4.24%	0.112%
237	14.810	14.798	14.834	VV	4331	88463	1.55%	0.041%
238	14.865	14.834	14.884	VV	4802	125737	2.21%	0.059%
239	14.895	14.884	14.953	VV	4225	150792	2.65%	0.070%
240	14.994	14.953	15.031	VV	3563	151314	2.66%	0.070%
241	15.059	15.031	15.098	VV	3155	116611	2.05%	0.054%
242	15.111	15.098	15.129	VV	3122	50692	0.89%	0.024%
243	15.155	15.129	15.181	VV	4457	100836	1.77%	0.047%
244	15.206	15.181	15.255	VV	2890	114090	2.00%	0.053%
245	15.295	15.255	15.337	VV	2362	94192	1.65%	0.044%
246	15.356	15.337	15.374	VV	1694	34443	0.60%	0.016%

247	15.404	15.374	15.466	VV	2033	90448	1.59%	0.042%
248	15.495	15.466	15.546	VV	1668	63668	1.12%	0.030%
249	15.579	15.546	15.649	VV	1343	66178	1.16%	0.031%
250	15.678	15.649	15.691	VV	1716	34415	0.60%	0.016%
251	15.703	15.691	15.789	VV	1701	63235	1.11%	0.029%
252	15.808	15.789	15.832	VV	658	12098	0.21%	0.006%
253	15.891	15.832	15.911	VV	689	21470	0.38%	0.010%
254	15.923	15.911	15.954	VV	561	11588	0.20%	0.005%
255	15.985	15.954	16.098	VV	1318	47532	0.83%	0.022%
256	16.133	16.098	16.154	VV	881	17119	0.30%	0.008%
257	16.175	16.154	16.201	VV	1800	30888	0.54%	0.014%
258	16.210	16.201	16.256	VV	741	13446	0.24%	0.006%
259	16.353	16.256	16.394	PV	469	20658	0.36%	0.010%
260	16.399	16.394	16.406	VV	454	2666	0.05%	0.001%
261	16.496	16.406	16.523	VV	903	35238	0.62%	0.016%
262	16.532	16.523	16.548	VV	509	6294	0.11%	0.003%
263	16.554	16.548	16.575	VV	418	4628	0.08%	0.002%
264	16.658	16.575	16.693	PV	1120	34159	0.60%	0.016%
265	16.700	16.693	16.729	VV	338	5167	0.09%	0.002%
266	16.755	16.729	16.778	VV	353	6325	0.11%	0.003%
267	16.825	16.778	16.837	PV	614	12326	0.22%	0.006%
268	16.862	16.837	16.911	VV	873	26671	0.47%	0.012%
269	16.925	16.911	16.954	VV	502	10463	0.18%	0.005%
270	16.988	16.954	17.028	VV	578	16324	0.29%	0.008%
271	17.123	17.028	17.165	VV	2586	67985	1.19%	0.032%
272	17.176	17.165	17.196	VV	530	7447	0.13%	0.003%
273	17.215	17.196	17.234	VV	529	9648	0.17%	0.004%
274	17.245	17.234	17.271	VV	518	9401	0.16%	0.004%
275	17.359	17.271	17.400	VV	1128	46556	0.82%	0.022%
276	17.440	17.400	17.451	VV	577	13460	0.24%	0.006%
277	17.458	17.451	17.466	VV	478	3883	0.07%	0.002%
278	17.503	17.466	17.521	VV	932	24062	0.42%	0.011%
279	17.537	17.521	17.549	VV	1048	15553	0.27%	0.007%
280	17.573	17.549	17.621	VV	2859	60377	1.06%	0.028%
281	17.687	17.621	17.721	VV	1208	45522	0.80%	0.021%
282	17.742	17.721	17.755	VV	602	10888	0.19%	0.005%
283	17.778	17.755	17.833	VV	667	25289	0.44%	0.012%
284	17.864	17.833	17.881	VV	688	15519	0.27%	0.007%
285	17.902	17.881	17.913	VV	914	14158	0.25%	0.007%
286	17.949	17.913	17.964	VV	1378	33889	0.59%	0.016%
287	18.009	17.964	18.039	VV	5165	104320	1.83%	0.049%
288	18.061	18.039	18.097	VV	1199	35243	0.62%	0.016%
289	18.149	18.097	18.226	VV	2344	112694	1.98%	0.052%
290	18.256	18.226	18.267	VV	1143	25858	0.45%	0.012%
291	18.294	18.267	18.321	VV	1432	42027	0.74%	0.020%
292	18.380	18.321	18.400	VV	1688	70847	1.24%	0.033%
293	18.430	18.400	18.458	VV	5384	106443	1.87%	0.050%
294	18.471	18.458	18.493	VV	2015	41104	0.72%	0.019%
295	18.517	18.493	18.571	VV	3307	97781	1.72%	0.046%
296	18.578	18.571	18.610	VV	1542	34174	0.60%	0.016%
297	18.702	18.610	18.714	VV	2162	107584	1.89%	0.050%
298	18.722	18.714	18.737	VV	2195	28223	0.50%	0.013%
299	18.746	18.737	18.758	VV	2023	24091	0.42%	0.011%

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300	18.840	18.758	18.910	VV	7133	267742	4.70%	0.125%
301	18.939	18.910	18.959	VV	2823	71279	1.25%	0.033%
302	18.990	18.959	19.004	VV	2885	68221	1.20%	0.032%
303	19.040	19.004	19.060	VV	2832	91525	1.61%	0.043%
304	19.128	19.060	19.139	VV	3123	138029	2.42%	0.064%
305	19.162	19.139	19.175	VV	3023	64288	1.13%	0.030%
306	19.238	19.175	19.300	VV	7836	318874	5.60%	0.149%
307	19.338	19.300	19.349	VV	3891	105013	1.84%	0.049%
308	19.457	19.349	19.468	VV	4255	283824	4.98%	0.132%
309	19.487	19.468	19.505	VV	4461	95245	1.67%	0.044%
310	19.537	19.505	19.551	VV	4580	122090	2.14%	0.057%
311	19.624	19.551	19.674	VV	9862	442944	7.77%	0.206%
312	19.692	19.674	19.701	VV	5187	82107	1.44%	0.038%
313	19.744	19.701	19.779	VV	5657	252360	4.43%	0.118%
314	19.914	19.779	19.941	VV	6886	600453	10.54%	0.280%
315	19.998	19.941	20.079	VV	10625	663288	11.64%	0.309%
316	20.363	20.079	20.394	VV	14122	1793823	31.48%	0.836%
317	20.429	20.394	20.457	VV	11635	428948	7.53%	0.200%
318	20.718	20.457	20.749	VV	16103	2250530	39.50%	1.048%
319	20.894	20.749	20.904	VV	15462	1376616	24.16%	0.641%
320	21.087	20.984	21.119	VV	17802	1301499	22.84%	0.606%
321	21.153	21.119	21.181	VV	15998	594945	10.44%	0.277%

Sum of corrected areas: 214699344

Aliphatic EPH 091024.M Sat Sep 21 06:07:28 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10ADL		SDG No.:	P4103	
Lab Sample ID:	P4103-10DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
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
FG014303.D	5	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.83		1.75	3.89	mg/kg
Aromatic C12-C16	Aromatic C12-C16	65.2		1.98	5.83	mg/kg
Aromatic C16-C21	Aromatic C16-C21	149		5.60	9.71	mg/kg
Aromatic C21-C36	Aromatic C21-C36	17.4		11.7	15.5	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	12.2		40 - 140	122%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	9.94		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.29		40 - 140	53%	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:	P4103-10DL	Acq On:	20 Sep 2024 12:06
Client Sample ID:	WC-14-7.5-10ADL	Operator:	YP\AJ
Data file:	FG014303.D	Misc:	
Instrument:	FID_G	ALS Vial:	16
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.374	6.243	2238907	17.568	200	ug/ml
Aromatic C12-C16	6.244	8.941	22126651	167.699	300	ug/ml
Aromatic C16-C21	8.942	13.263	49921383	384.167	500	ug/ml
Aromatic C21-C36	13.264	18.721	5643506	44.756	800	ug/ml
Aromatic EPH	4.374	18.721	79930447	614.19		ug/ml
ortho-Terphenyl (SURR)	11.821	11.821	713478	5.29		ug/ml
2-Bromonaphthalene (SURR)	7.882	7.882	1369779	12.24		ug/ml
2-Flurobiphenyl (SURR)	8.755	8.755	723469	9.94		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014303.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 12:06
Operator : YP\AJ
Sample : P4103-10DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 21 03:13:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10ADL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.882	1369779	12.243 ug/mlm
Spiked Amount 50.000		Recovery =	24.49%
6) S 2-Flurobiphenyl (SURR)	8.755	723469	9.937 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	19.87%
11) S ortho-Terphenyl (SURR)	11.821	713478	5.293 ug/mlm
Spiked Amount 50.000		Recovery =	10.59%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014303.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 12:06
Operator : YP\AJ
Sample : P4103-10DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

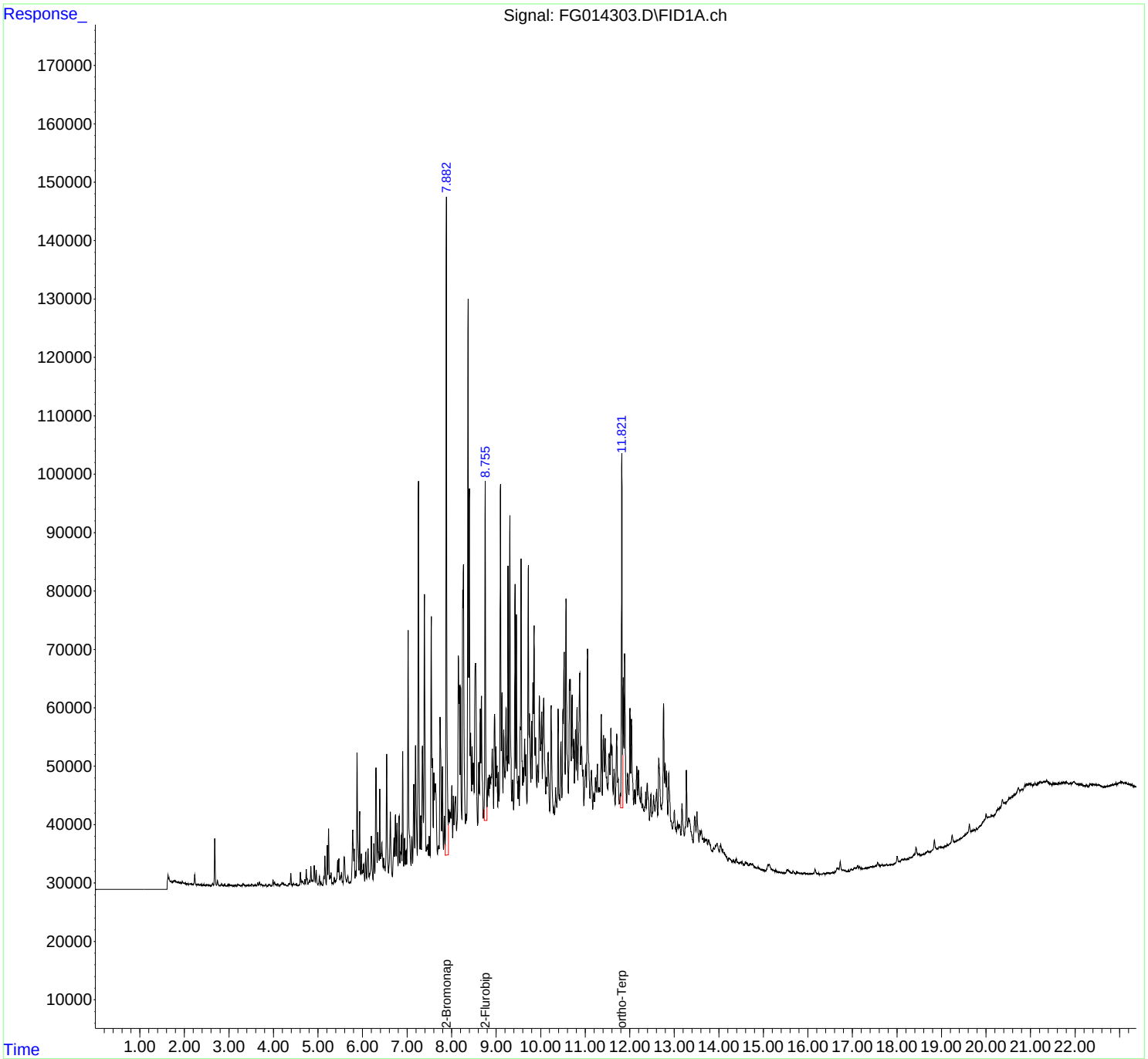
Integration File: autoint1.e
Quant Time: Sep 21 03:13:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

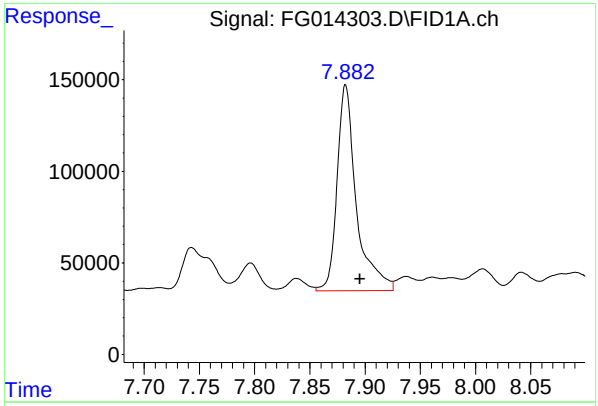
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10ADL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024





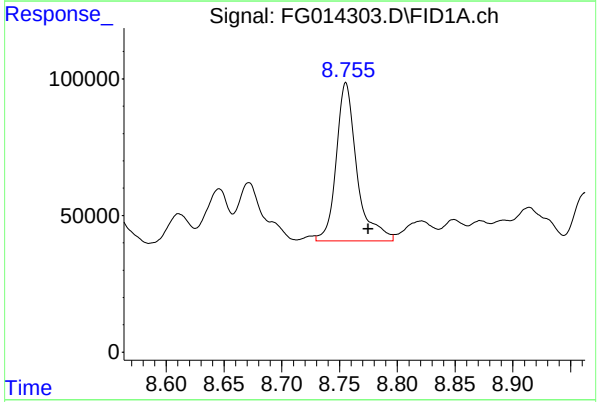
#4 2-Bromonaphthalene (SURR)

R.T.: 7.882 min
Delta R.T.: -0.014 min
Response: 1369779
Conc: 12.24 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10ADL

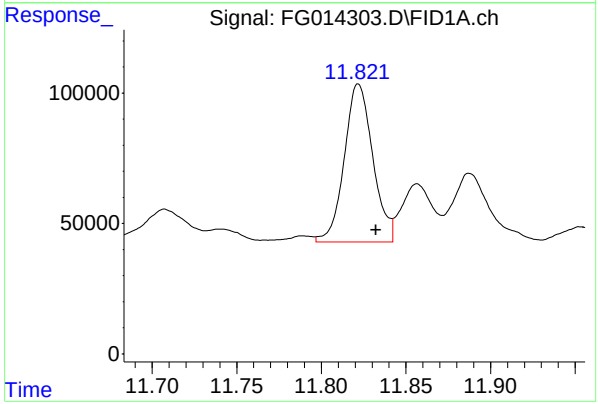
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.755 min
Delta R.T.: -0.020 min
Response: 723469
Conc: 9.94 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.821 min
Delta R.T.: -0.011 min
Response: 713478
Conc: 5.29 ug/ml m

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10ADL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09202
Data File : FG014303.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 12:06
Sample : P4103-10DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.262	4.253	4.278	PH	203	1846	0.12%	0.002%
2	4.341	4.306	4.349	PV	404	5156	0.33%	0.006%
3	4.360	4.349	4.373	VV	444	5255	0.34%	0.006%
4	4.391	4.373	4.417	VV	2198	25838	1.65%	0.031%
5	4.423	4.417	4.429	VV	231	1458	0.09%	0.002%
6	4.451	4.429	4.474	VV	415	6748	0.43%	0.008%
7	4.488	4.474	4.506	VV	345	4632	0.30%	0.006%
8	4.524	4.506	4.543	VV	323	4331	0.28%	0.005%
9	4.578	4.564	4.585	VV	224	1719	0.11%	0.002%
10	4.605	4.585	4.625	VV	2384	27488	1.76%	0.033%
11	4.641	4.625	4.654	VV	832	12587	0.80%	0.015%
12	4.660	4.654	4.690	VV	675	10133	0.65%	0.012%
13	4.706	4.690	4.721	VV	1110	12716	0.81%	0.015%
14	4.737	4.721	4.751	VV	2811	30176	1.93%	0.036%
15	4.757	4.751	4.776	VV	1267	11588	0.74%	0.014%
16	4.814	4.776	4.823	VV	866	17301	1.10%	0.021%
17	4.841	4.823	4.865	VV	3308	41453	2.65%	0.050%
18	4.871	4.865	4.881	VV	899	7895	0.50%	0.010%
19	4.916	4.881	4.940	VV	3451	59761	3.82%	0.072%
20	4.960	4.940	5.000	VV	2672	38632	2.47%	0.047%
21	5.033	5.000	5.051	VV	1637	21015	1.34%	0.025%
22	5.066	5.051	5.095	VV	635	7948	0.51%	0.010%
23	5.131	5.104	5.139	VV	1583	15596	1.00%	0.019%
24	5.155	5.139	5.185	VV	5058	64147	4.10%	0.077%
25	5.208	5.185	5.222	VV	6884	72278	4.62%	0.087%
26	5.238	5.222	5.261	VV	9694	112167	7.16%	0.136%
27	5.272	5.261	5.283	VV	1709	18945	1.21%	0.023%
28	5.295	5.283	5.317	VV	2165	24503	1.56%	0.030%
29	5.330	5.317	5.345	VV	460	6178	0.39%	0.007%
30	5.366	5.345	5.383	VV	1302	18574	1.19%	0.022%
31	5.394	5.383	5.401	VV	832	7842	0.50%	0.009%
32	5.443	5.401	5.456	VV	4285	69444	4.43%	0.084%
33	5.468	5.456	5.493	VV	4558	54050	3.45%	0.065%
34	5.511	5.493	5.518	VV	1568	19277	1.23%	0.023%
35	5.530	5.518	5.546	VV	2218	24396	1.56%	0.029%
36	5.555	5.546	5.566	VV	656	5939	0.38%	0.007%

Instrument :
FID_G
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WC-14-7.5-10ADL

Manual IntegrationsAPPROVED

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rteres

37	5.589	5.566	5.644	VV	4834	104950	6.70%	0.127%
38	5.673	5.644	5.696	VV	1532	29460	1	
39	5.720	5.696	5.731	VV	491	8120	0	
40	5.779	5.731	5.804	VV	9409	181244	11	
41	5.814	5.804	5.832	VV	6161	64933	4	
42	5.846	5.832	5.859	VV	2323	29216	1	
43	5.878	5.859	5.919	VV	22607	327646	20.92%	0.396%
44	5.936	5.919	5.958	VV	12540	141884	9.06%	0.171%
45	5.976	5.958	5.992	VV	5309	67956	4.34%	0.082%
46	6.001	5.992	6.010	VV	2435	22674	1.45%	0.027%
47	6.025	6.010	6.049	VV	3532	54263	3.46%	0.066%
48	6.073	6.049	6.092	VV	5490	71789	4.58%	0.087%
49	6.126	6.092	6.146	VV	6133	110427	7.05%	0.133%
50	6.159	6.146	6.164	VV	1908	18694	1.19%	0.023%
51	6.199	6.164	6.237	VV	8268	148896	9.51%	0.180%
52	6.255	6.237	6.278	VV	6991	88036	5.62%	0.106%
53	6.303	6.278	6.329	VV	19911	331883	21.19%	0.401%
54	6.344	6.329	6.358	VV	8906	113957	7.28%	0.138%
55	6.363	6.358	6.373	VV	5605	46834	2.99%	0.057%
56	6.388	6.373	6.406	VV	16330	184699	11.79%	0.223%
57	6.415	6.406	6.422	VV	5315	48788	3.12%	0.059%
58	6.434	6.422	6.462	VV	7116	125867	8.04%	0.152%
59	6.475	6.462	6.488	VV	4481	56224	3.59%	0.068%
60	6.494	6.488	6.507	VV	2999	29896	1.91%	0.036%
61	6.544	6.507	6.583	VV	22233	364748	23.29%	0.441%
62	6.626	6.583	6.670	VV	12357	261749	16.71%	0.316%
63	6.708	6.670	6.721	VV	7925	144767	9.24%	0.175%
64	6.739	6.721	6.756	VV	11869	176488	11.27%	0.213%
65	6.776	6.756	6.799	VV	10411	179137	11.44%	0.216%
66	6.822	6.799	6.841	VV	11622	173922	11.11%	0.210%
67	6.872	6.841	6.887	VV	8353	159447	10.18%	0.193%
68	6.903	6.887	6.925	VV	22632	257225	16.42%	0.311%
69	6.944	6.925	6.961	VV	7804	112139	7.16%	0.135%
70	6.979	6.961	6.994	VV	5706	92083	5.88%	0.111%
71	7.025	6.994	7.090	VV	43323	727595	46.46%	0.879%
72	7.108	7.090	7.126	VV	8047	121775	7.78%	0.147%
73	7.151	7.126	7.173	VV	16980	281657	17.98%	0.340%
74	7.191	7.173	7.231	VV	23616	441838	28.21%	0.534%
75	7.255	7.231	7.291	VV	68876	996379	63.62%	1.204%
76	7.305	7.291	7.322	VV	11619	155264	9.91%	0.188%
77	7.345	7.322	7.369	VV	23512	421451	26.91%	0.509%
78	7.391	7.369	7.430	VV	49373	824635	52.66%	0.996%
79	7.447	7.430	7.457	VV	6240	94484	6.03%	0.114%
80	7.469	7.457	7.482	VV	6662	88412	5.65%	0.107%
81	7.498	7.482	7.517	VV	8069	133120	8.50%	0.161%
82	7.544	7.517	7.561	VV	45567	599930	38.31%	0.725%
83	7.569	7.561	7.589	VV	21368	286744	18.31%	0.346%
84	7.603	7.589	7.614	VV	18925	225045	14.37%	0.272%
85	7.624	7.614	7.632	VV	17041	169494	10.82%	0.205%
86	7.640	7.632	7.685	VV	16988	370751	23.67%	0.448%
87	7.698	7.685	7.704	VV	6130	65306	4.17%	0.079%
88	7.714	7.704	7.722	VV	6443	68035	4.34%	0.082%
89	7.743	7.722	7.778	VV	28386	590294	37.69%	0.713%

Instrument :
FID_G
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WC-14-7.5-10ADL

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rteres

90	7.796	7.778	7.820	VV	19939	312414	19.95%	0.377%
91	7.838	7.820	7.856	VV	11437	180936	11	
92	7.882	7.856	7.925	VV	117157	1566093	100	
93	7.937	7.925	7.950	VV	12584	165413	10	
94	7.961	7.950	7.970	VV	12148	138842	8	
95	7.978	7.970	7.988	VV	11849	124436	7	
96	8.007	7.988	8.026	VV	16663	290420	18.54%	0.351%
97	8.042	8.026	8.058	VV	14847	227790	14.55%	0.275%
98	8.090	8.058	8.112	VV	14759	406156	25.93%	0.491%
99	8.154	8.112	8.168	VV	38705	719858	45.97%	0.870%
100	8.176	8.168	8.189	VV	33811	363501	23.21%	0.439%
101	8.202	8.189	8.231	VV	33373	501494	32.02%	0.606%
102	8.251	8.231	8.257	VV	50014	498812	31.85%	0.603%
103	8.266	8.257	8.312	VV	54395	948249	60.55%	1.146%
104	8.330	8.312	8.340	VV	11715	187795	11.99%	0.227%
105	8.370	8.340	8.386	VV	99849	1314927	83.96%	1.589%
106	8.398	8.386	8.419	VV	67413	877826	56.05%	1.060%
107	8.429	8.419	8.449	VV	25571	383562	24.49%	0.463%
108	8.463	8.449	8.475	VV	23219	310791	19.84%	0.375%
109	8.489	8.475	8.506	VV	20441	341903	21.83%	0.413%
110	8.537	8.506	8.585	VV	37490	1193286	76.20%	1.442%
111	8.611	8.585	8.625	VV	20433	369264	23.58%	0.446%
112	8.646	8.625	8.658	VV	29642	454498	29.02%	0.549%
113	8.672	8.658	8.713	VV	31857	676291	43.18%	0.817%
114	8.755	8.713	8.797	VV	68470	1266203	80.85%	1.530%
115	8.821	8.797	8.836	VV	17834	367021	23.44%	0.443%
116	8.849	8.836	8.861	VV	18311	254862	16.27%	0.308%
117	8.872	8.861	8.881	VV	17951	205142	13.10%	0.248%
118	8.893	8.881	8.897	VV	18077	171853	10.97%	0.208%
119	8.914	8.897	8.944	VV	22781	529211	33.79%	0.639%
120	8.967	8.944	8.987	VV	28651	578038	36.91%	0.698%
121	8.999	8.987	9.011	VV	23051	288880	18.45%	0.349%
122	9.020	9.011	9.035	VV	19826	250615	16.00%	0.303%
123	9.048	9.035	9.063	VV	18688	268308	17.13%	0.324%
124	9.097	9.063	9.118	VV	67908	1107451	70.71%	1.338%
125	9.131	9.118	9.155	VV	32338	546340	34.89%	0.660%
126	9.170	9.155	9.197	VV	25964	523587	33.43%	0.633%
127	9.223	9.197	9.237	VV	29665	541086	34.55%	0.654%
128	9.243	9.237	9.251	VV	21304	177181	11.31%	0.214%
129	9.268	9.251	9.285	VV	54018	702454	44.85%	0.849%
130	9.309	9.285	9.355	VV	62704	1258597	80.37%	1.521%
131	9.372	9.355	9.393	VV	17353	348023	22.22%	0.420%
132	9.425	9.393	9.442	VV	50867	798710	51.00%	0.965%
133	9.457	9.442	9.494	VV	45629	793229	50.65%	0.958%
134	9.508	9.494	9.522	VV	18067	270365	17.26%	0.327%
135	9.562	9.522	9.598	VV	55073	1267144	80.91%	1.531%
136	9.612	9.598	9.623	VV	19419	274704	17.54%	0.332%
137	9.642	9.623	9.658	VV	24371	424281	27.09%	0.513%
138	9.670	9.658	9.692	VV	21613	371209	23.70%	0.448%
139	9.723	9.692	9.740	VV	53965	869701	55.53%	1.051%
140	9.749	9.740	9.779	VV	28698	545872	34.86%	0.659%
141	9.797	9.779	9.812	VV	27322	434738	27.76%	0.525%

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10ADL

Manual IntegrationsAPPROVED

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rteres

142	9.828	9.812	9.838	VV	33919	432412	27.61%	0.522%
143	9.852	9.838	9.875	VV	43643	705322	45	
144	9.887	9.875	9.915	VV	24517	491777	31	
145	9.931	9.915	9.952	VV	19734	408879	26	
146	9.971	9.952	9.997	VV	31604	670206	42	
147	10.023	9.997	10.039	VV	28896	615362	39	
148	10.071	10.039	10.115	VV	31332	1056154	67.44%	1.276%
149	10.132	10.115	10.146	VV	17642	316713	20.22%	0.383%
150	10.167	10.146	10.204	VV	21938	601281	38.39%	0.726%
151	10.235	10.204	10.285	VV	29961	901724	57.58%	1.089%
152	10.296	10.285	10.316	VV	12467	214890	13.72%	0.260%
153	10.337	10.316	10.363	VV	15903	386696	24.69%	0.467%
154	10.393	10.363	10.414	VV	29258	571675	36.50%	0.691%
155	10.421	10.414	10.431	VV	14612	146690	9.37%	0.177%
156	10.457	10.431	10.478	VV	23621	533349	34.06%	0.644%
157	10.501	10.478	10.509	VV	29264	415692	26.54%	0.502%
158	10.527	10.509	10.551	VV	39067	755158	48.22%	0.912%
159	10.570	10.551	10.623	VV	48137	1162676	74.24%	1.405%
160	10.647	10.623	10.657	VV	34389	534171	34.11%	0.645%
161	10.666	10.657	10.686	VV	34301	514227	32.83%	0.621%
162	10.707	10.686	10.730	VV	31722	674777	43.09%	0.815%
163	10.743	10.730	10.760	VV	24093	373551	23.85%	0.451%
164	10.783	10.760	10.800	VV	25768	520650	33.25%	0.629%
165	10.818	10.800	10.835	VV	29523	492760	31.46%	0.595%
166	10.877	10.835	10.898	VV	35437	1003681	64.09%	1.213%
167	10.918	10.898	10.943	VV	22770	561163	35.83%	0.678%
168	10.951	10.943	10.971	VV	18825	275296	17.58%	0.333%
169	11.011	10.971	11.029	VV	19636	581861	37.15%	0.703%
170	11.052	11.029	11.106	VV	39449	1079128	68.91%	1.304%
171	11.141	11.106	11.170	VV	18741	607233	38.77%	0.734%
172	11.191	11.170	11.210	VV	14687	323208	20.64%	0.390%
173	11.231	11.210	11.252	VV	17418	398668	25.46%	0.482%
174	11.274	11.252	11.292	VV	19778	408491	26.08%	0.493%
175	11.308	11.292	11.322	VV	15725	285276	18.22%	0.345%
176	11.329	11.322	11.337	VV	15570	130245	8.32%	0.157%
177	11.363	11.337	11.384	VV	28262	599489	38.28%	0.724%
178	11.412	11.384	11.432	VV	24679	602121	38.45%	0.727%
179	11.449	11.432	11.475	VV	23991	530926	33.90%	0.641%
180	11.481	11.475	11.494	VV	17466	200300	12.79%	0.242%
181	11.500	11.494	11.511	VV	16160	154044	9.84%	0.186%
182	11.539	11.511	11.558	VV	21428	558337	35.65%	0.675%
183	11.576	11.558	11.592	VV	25791	451920	28.86%	0.546%
184	11.601	11.592	11.629	VV	22753	427725	27.31%	0.517%
185	11.648	11.629	11.673	VV	18826	421609	26.92%	0.509%
186	11.707	11.673	11.732	VV	24826	664372	42.42%	0.803%
187	11.740	11.732	11.770	VV	17137	340969	21.77%	0.412%
188	11.789	11.770	11.796	VV	14565	219079	13.99%	0.265%
189	11.822	11.796	11.842	VV	72950	1046561	66.83%	1.264%
190	11.857	11.842	11.872	VV	34487	498744	31.85%	0.603%
191	11.888	11.872	11.930	VV	38502	833614	53.23%	1.007%
192	11.953	11.930	11.981	VV	17988	486742	31.08%	0.588%
193	12.005	11.981	12.022	VV	29189	519723	33.19%	0.628%
194	12.038	12.022	12.086	VV	27319	758678	48.44%	0.917%

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10ADL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

195	12.109	12.086	12.129	VV	15240	355583	22.71%	0.430%
196	12.158	12.129	12.180	VV	19190	494598	31	
197	12.197	12.180	12.243	VV	18521	579193	36	
198	12.258	12.243	12.275	VV	15615	267293	17	
199	12.293	12.275	12.316	VV	12750	298649	19	
200	12.358	12.316	12.373	VV	14768	431658	27	
201	12.394	12.373	12.442	VV	16363	557957	35.63%	0.674%
202	12.476	12.442	12.496	VV	14377	389153	24.85%	0.470%
203	12.511	12.496	12.516	VV	11325	136589	8.72%	0.165%
204	12.535	12.516	12.566	VV	14114	373129	23.83%	0.451%
205	12.602	12.566	12.629	VV	15275	493686	31.52%	0.596%
206	12.652	12.629	12.706	VV	20462	723049	46.17%	0.874%
207	12.760	12.706	12.781	VV	29795	795179	50.77%	0.961%
208	12.795	12.781	12.813	VV	19484	335221	21.40%	0.405%
209	12.826	12.813	12.854	VV	18325	371962	23.75%	0.449%
210	12.876	12.854	12.959	VV	17914	760172	48.54%	0.918%
211	13.003	12.959	13.048	VV	11538	497854	31.79%	0.601%
212	13.069	13.048	13.087	VV	9486	201207	12.85%	0.243%
213	13.100	13.087	13.110	VV	9088	126012	8.05%	0.152%
214	13.119	13.110	13.147	VV	9045	181615	11.60%	0.219%
215	13.173	13.147	13.228	VV	12644	445116	28.42%	0.538%
216	13.271	13.228	13.300	VV	18379	480919	30.71%	0.581%
217	13.322	13.300	13.341	VV	10202	236647	15.11%	0.286%
218	13.344	13.341	13.423	VV	9715	378230	24.15%	0.457%
219	13.461	13.423	13.486	VV	10408	321641	20.54%	0.389%
220	13.510	13.486	13.555	VV	11223	351493	22.44%	0.425%
221	13.573	13.555	13.588	VV	7987	144887	9.25%	0.175%
222	13.603	13.588	13.634	VV	7966	203513	12.99%	0.246%
223	13.650	13.634	13.663	VV	6624	110271	7.04%	0.133%
224	13.678	13.663	13.691	VV	6514	105630	6.74%	0.128%
225	13.696	13.691	13.711	VV	6435	74517	4.76%	0.090%
226	13.720	13.711	13.747	VV	6456	134187	8.57%	0.162%
227	13.771	13.747	13.844	VV	6410	320934	20.49%	0.388%
228	13.849	13.844	13.858	VV	4500	35755	2.28%	0.043%
229	13.885	13.858	13.902	VV	4947	124619	7.96%	0.151%
230	13.927	13.902	13.935	VV	5325	98984	6.32%	0.120%
231	13.956	13.935	14.014	VV	5747	240921	15.38%	0.291%
232	14.043	14.014	14.074	VV	5520	176861	11.29%	0.214%
233	14.087	14.074	14.112	VV	4685	99933	6.38%	0.121%
234	14.118	14.112	14.163	VV	4143	115605	7.38%	0.140%
235	14.171	14.163	14.205	VV	3379	76357	4.88%	0.092%
236	14.226	14.205	14.232	VV	3174	49288	3.15%	0.060%
237	14.235	14.232	14.296	VV	3118	109520	6.99%	0.132%
238	14.334	14.296	14.367	VV	2735	108421	6.92%	0.131%
239	14.389	14.367	14.418	VV	3052	82529	5.27%	0.100%
240	14.423	14.418	14.442	VV	2389	33511	2.14%	0.040%
241	14.448	14.442	14.460	VV	2295	23662	1.51%	0.029%
242	14.476	14.460	14.488	VV	2357	38878	2.48%	0.047%
243	14.494	14.488	14.500	VV	2428	17023	1.09%	0.021%
244	14.518	14.500	14.565	VV	2461	85216	5.44%	0.103%
245	14.592	14.565	14.610	VV	2435	58539	3.74%	0.071%
246	14.615	14.610	14.625	VV	2236	20822	1.33%	0.025%

Instrument :
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WC-14-7.5-10ADL

Manual IntegrationsAPPROVED

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rteres

247	14.629	14.625	14.656	VV	2214	37562	2.40%	0.045%
248	14.661	14.656	14.668	VV	1871	13168		
249	14.716	14.668	14.739	VV	2123	85816		
250	14.744	14.739	14.750	VV	1988	11884		
251	14.755	14.750	14.784	VV	2129	38912		
252	14.789	14.784	14.820	VV	1743	33693		
253	14.831	14.820	14.837	VV	1493	13931	0.89%	0.017%
254	14.839	14.837	14.855	VV	1433	14337	0.92%	0.017%
255	14.877	14.855	14.907	VV	1562	42692	2.73%	0.052%
256	14.912	14.907	14.939	VV	1329	22808	1.46%	0.028%
257	14.943	14.939	14.961	VV	1078	13879	0.89%	0.017%
258	14.974	14.961	15.000	VV	1110	23555	1.50%	0.028%
259	15.011	15.000	15.029	VV	1036	16513	1.05%	0.020%
260	15.036	15.029	15.053	VV	921	12098	0.77%	0.015%
261	15.109	15.053	15.117	VV	1867	53720	3.43%	0.065%
262	15.135	15.117	15.175	VV	1939	54708	3.49%	0.066%
263	15.178	15.175	15.200	VV	1143	15363	0.98%	0.019%
264	15.213	15.200	15.236	VV	1036	19986	1.28%	0.024%
265	15.245	15.236	15.285	VV	889	22990	1.47%	0.028%
266	15.290	15.285	15.336	VV	740	19413	1.24%	0.023%
267	15.341	15.336	15.352	VV	590	4995	0.32%	0.006%
268	15.362	15.352	15.382	VV	599	9573	0.61%	0.012%
269	15.386	15.382	15.404	VV	515	6326	0.40%	0.008%
270	15.416	15.404	15.436	VV	493	7984	0.51%	0.010%
271	15.451	15.436	15.458	VV	438	5494	0.35%	0.007%
272	15.463	15.458	15.471	VV	416	2908	0.19%	0.004%
273	15.477	15.471	15.495	VV	381	4997	0.32%	0.006%
274	15.543	15.495	15.573	VV	951	33861	2.16%	0.041%
275	15.577	15.573	15.643	VV	706	20211	1.29%	0.024%
276	15.667	15.643	15.705	VV	700	17695	1.13%	0.021%
277	15.713	15.705	15.722	VV	343	2946	0.19%	0.004%
278	15.745	15.722	15.785	VV	609	12444	0.79%	0.015%
279	15.793	15.785	15.804	VV	369	3759	0.24%	0.005%
280	15.810	15.804	15.814	VV	297	1536	0.10%	0.002%
281	15.826	15.814	15.838	VV	300	3842	0.25%	0.005%
282	15.845	15.838	15.853	VV	297	2225	0.14%	0.003%
283	15.868	15.853	15.877	VV	306	3995	0.26%	0.005%
284	15.916	15.877	15.930	VV	325	7474	0.48%	0.009%
285	15.955	15.930	16.001	VV	262	8500	0.54%	0.010%
286	16.006	16.001	16.020	VV	167	1375	0.09%	0.002%
287	16.037	16.020	16.049	VV	148	2138	0.14%	0.003%
288	16.062	16.049	16.081	VV	177	2475	0.16%	0.003%
289	16.160	16.081	16.208	VV	837	24430	1.56%	0.030%
290	16.227	16.208	16.295	VV	183	4445	0.28%	0.005%
291	16.358	16.321	16.395	PV	203	4752	0.30%	0.006%
292	16.408	16.395	16.418	PV	141	1367	0.09%	0.002%
293	16.455	16.418	16.488	VV	217	5359	0.34%	0.006%
294	16.548	16.511	16.568	VV	183	4322	0.28%	0.005%
295	16.573	16.568	16.595	VV	156	1847	0.12%	0.002%
296	16.652	16.595	16.698	VV	795	31945	2.04%	0.039%
297	16.724	16.698	16.773	VV	1878	42054	2.69%	0.051%
298	16.779	16.773	16.816	VV	427	8911	0.57%	0.011%
299	16.824	16.816	16.876	VV	364	7054	0.45%	0.009%

Instrument :
FID_G
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WC-14-7.5-10ADL

Manual IntegrationsAPPROVED

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rteres

300	16.914	16.890	16.941	PV	233	2881	0.18%	0.003%
301	16.975	16.941	17.014	VV	426	11766		
302	17.050	17.014	17.090	VV	517	18699		
303	17.117	17.090	17.138	VV	789	16484		
304	17.156	17.138	17.203	VV	587	14222		
305	17.220	17.203	17.245	VV	188	3729		
306	17.291	17.245	17.315	VV	235	6470	0.41%	0.008%
307	17.342	17.315	17.357	VV	216	4439	0.28%	0.005%
308	17.414	17.357	17.433	VV	330	9984	0.64%	0.012%
309	17.447	17.433	17.457	VV	298	4020	0.26%	0.005%
310	17.471	17.457	17.486	VV	323	4491	0.29%	0.005%
311	17.565	17.486	17.623	VV	862	30742	1.96%	0.037%
312	17.666	17.623	17.709	VV	326	11333	0.72%	0.014%
313	17.775	17.709	17.791	VV	235	8795	0.56%	0.011%
314	17.848	17.791	17.875	VV	167	4984	0.32%	0.006%
315	18.004	17.901	18.039	PV	1236	29062	1.86%	0.035%
316	18.120	18.039	18.149	VV	426	20517	1.31%	0.025%
317	18.162	18.149	18.200	VV	435	9747	0.62%	0.012%
318	18.233	18.200	18.263	VV	259	7412	0.47%	0.009%
319	18.279	18.263	18.307	VV	327	6612	0.42%	0.008%
320	18.427	18.307	18.488	VV	1634	65936	4.21%	0.080%
321	18.495	18.488	18.541	VV	370	7116	0.45%	0.009%
322	18.575	18.541	18.582	PV	145	2167	0.14%	0.003%
323	18.604	18.582	18.613	VV	106	1562	0.10%	0.002%
324	18.692	18.613	18.738	VV	331	10756	0.69%	0.013%
			Sum of corrected areas:			82775002		

Aromatic EPH 090424.M Sat Sep 21 05:32:04 2024

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

Report of Analysis

Client:	ENTACT	Date Collected:	09/17/24
Project:	North Point	Date Received:	09/18/24
Client Sample ID:	WC-14-7.5-10ADL2	SDG No.:	P4103
Lab Sample ID:	P4103-10DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
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
FE050240.D	10	09/19/24	09/20/24	PB163524

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		26.7		4.43	11.7	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		124		2.80	7.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		105		3.50	11.7	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		9.87	J	9.33	15.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		16.4	J	21.0	23.3	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		2.85		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-10DL2	Acq On:	20 Sep 2024 11:46
Client Sample ID:	WC-14-7.5-10ADL2	Operator:	YP\AJ
Data file:	FE050240.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.158	6.776	4714745	34.344	300	ug/ml
Aliphatic C12-C16	6.777	10.209	22002246	159.973	200	ug/ml
Aliphatic C16-C21	10.210	13.569	18401914	136.094	300	ug/ml
Aliphatic C21-C28	13.570	17.223	1643344	12.701	400	ug/ml
Aliphatic C28-C40	17.224	22.077	2527370	21.044	600	ug/ml
Aliphatic EPH	3.158	22.077	49289619	364.156		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	320045	2.85		ug/ml
Aliphatic C9-C28	3.158	17.223	46762249	343.112	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050240.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 11:46
Operator : YP\AJ
Sample : P4103-10DL2 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:45:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.302	320045	2.849 ug/mlm
Spiked Amount 50.000		Recovery =	5.70%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050240.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 11:46
Operator : YP\AJ
Sample : P4103-10DL2 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

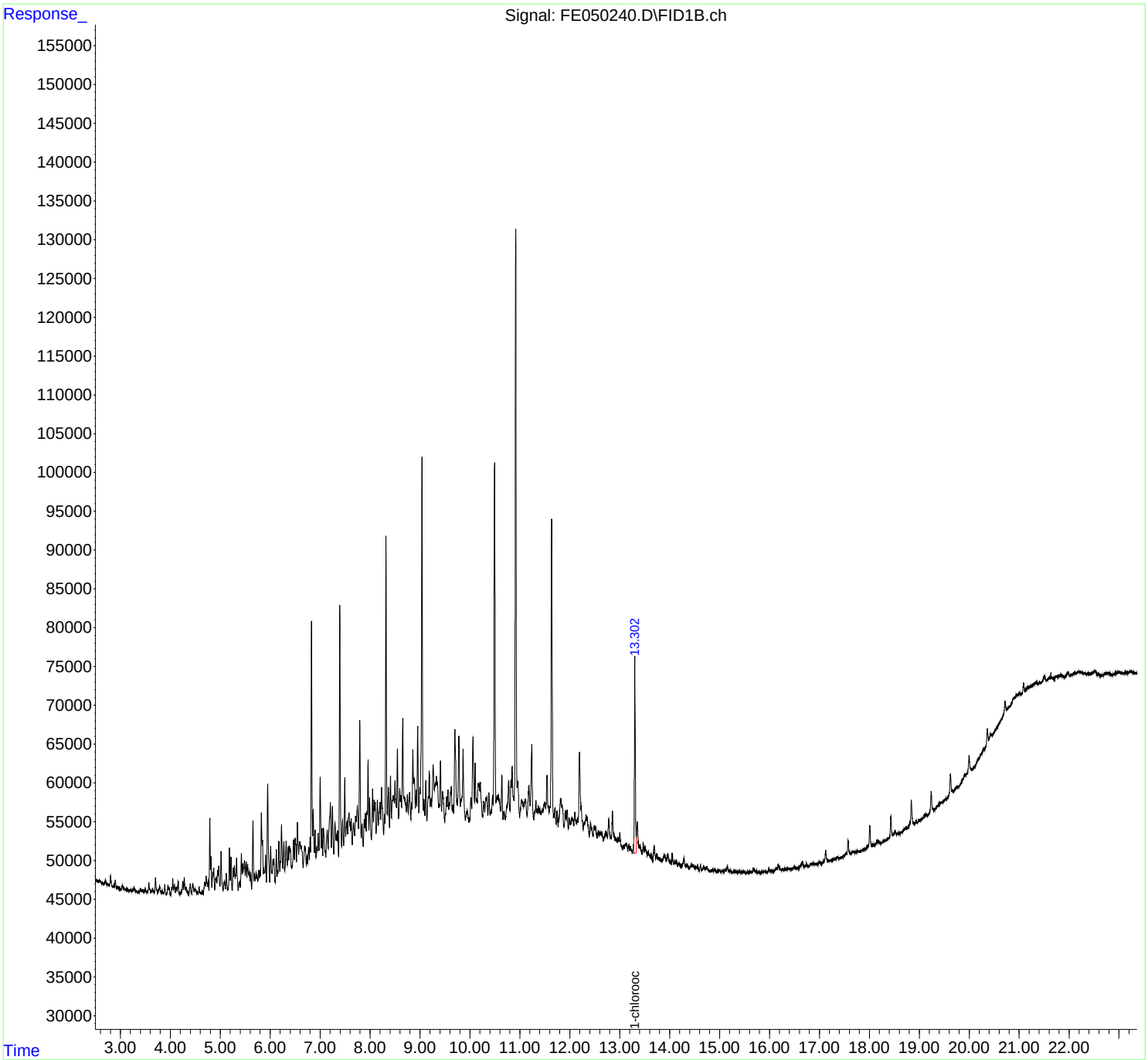
Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL2

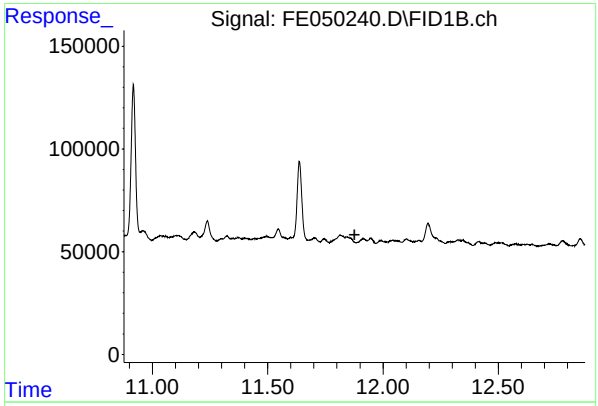
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:45:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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. : 11.876 mi
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL2

Manual Integrations
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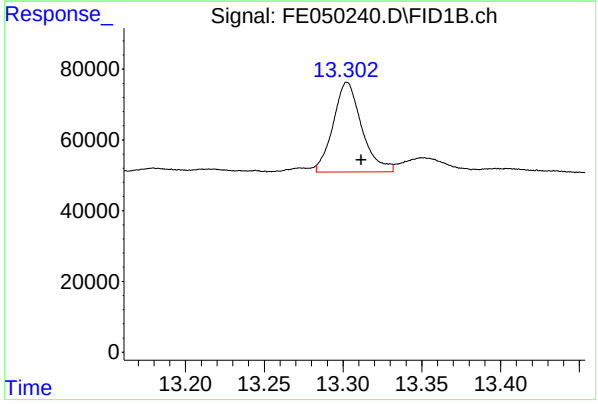
Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.010 min
Response: 320045
Conc: 2.85 ug/ml m

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE09202
Data File : FE050240.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 11:46
Sample : P4103-10DL2 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.182	3.138	3.200	BV	134	911	0.07%	0.002%
2	3.215	3.200	3.230	PV	145	1350	0.10%	0.003%
3	3.274	3.230	3.342	VV	564	13185	0.97%	0.027%
4	3.400	3.342	3.418	PV	522	8546	0.63%	0.017%
5	3.430	3.418	3.455	VV	371	5258	0.39%	0.011%
6	3.473	3.455	3.484	VV	312	4484	0.33%	0.009%
7	3.500	3.484	3.528	VV	424	6935	0.51%	0.014%
8	3.539	3.528	3.551	VV	235	2637	0.19%	0.005%
9	3.571	3.551	3.615	VV	1343	21920	1.62%	0.044%
10	3.629	3.615	3.636	VV	438	3979	0.29%	0.008%
11	3.649	3.636	3.681	VV	560	9263	0.68%	0.019%
12	3.703	3.681	3.748	VV	2048	31287	2.31%	0.063%
13	3.785	3.748	3.825	VV	1183	23866	1.76%	0.048%
14	3.838	3.825	3.862	VV	443	6086	0.45%	0.012%
15	3.889	3.862	3.915	VV	1244	14294	1.05%	0.029%
16	3.952	3.915	4.002	VV	1188	28810	2.12%	0.058%
17	4.049	4.002	4.065	PV	2088	33216	2.45%	0.067%
18	4.081	4.065	4.099	VV	1327	19673	1.45%	0.040%
19	4.117	4.099	4.136	VV	968	17151	1.26%	0.035%
20	4.157	4.136	4.184	VV	1789	25961	1.91%	0.053%
21	4.195	4.184	4.205	VV	305	2759	0.20%	0.006%
22	4.249	4.205	4.263	VV	1823	27636	2.04%	0.056%
23	4.280	4.263	4.302	VV	2242	30830	2.27%	0.063%
24	4.318	4.302	4.364	VV	977	18862	1.39%	0.038%
25	4.400	4.364	4.426	PV	1414	20990	1.55%	0.043%
26	4.449	4.426	4.478	VV	1474	25541	1.88%	0.052%
27	4.494	4.478	4.530	VV	717	16654	1.23%	0.034%
28	4.540	4.530	4.558	VV	417	4161	0.31%	0.008%
29	4.577	4.558	4.621	VV	993	15109	1.11%	0.031%
30	4.636	4.621	4.653	VV	392	4750	0.35%	0.010%
31	4.689	4.653	4.705	VV	1508	27575	2.03%	0.056%
32	4.718	4.705	4.746	VV	2300	40844	3.01%	0.083%
33	4.758	4.746	4.772	VV	1717	19691	1.45%	0.040%
34	4.792	4.772	4.806	VV	9711	102910	7.58%	0.209%
35	4.814	4.806	4.832	VV	4828	48658	3.59%	0.099%
36	4.870	4.832	4.890	VV	3279	73346	5.41%	0.149%

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37	4.922	4.890	4.933	VV	2180	42159	3.11%	0.086%
38	4.948	4.933	4.958	VV	3005	36265		
39	4.970	4.958	4.994	VV	3562	49598		
40	5.017	4.994	5.055	VV	5496	83088		
41	5.085	5.055	5.104	VV	1594	31756		
42	5.122	5.104	5.149	VV	2599	36571		
43	5.184	5.149	5.201	VV	5809	75059	5.53%	0.152%
44	5.216	5.201	5.239	VV	4711	56397	4.16%	0.114%
45	5.261	5.239	5.272	VV	3239	40354	2.97%	0.082%
46	5.285	5.272	5.299	VV	3539	44544	3.28%	0.090%
47	5.327	5.299	5.360	VV	4519	86958	6.41%	0.176%
48	5.379	5.360	5.402	VV	1395	27019	1.99%	0.055%
49	5.424	5.402	5.438	VV	5023	64094	4.72%	0.130%
50	5.448	5.438	5.459	VV	3690	38835	2.86%	0.079%
51	5.485	5.459	5.501	VV	4160	82713	6.10%	0.168%
52	5.518	5.501	5.534	VV	3930	60033	4.42%	0.122%
53	5.548	5.534	5.572	VV	3678	66622	4.91%	0.135%
54	5.584	5.572	5.597	VV	2743	34400	2.54%	0.070%
55	5.610	5.597	5.628	VV	2537	31350	2.31%	0.064%
56	5.656	5.628	5.676	VV	9179	119012	8.77%	0.241%
57	5.688	5.676	5.700	VV	2363	28576	2.11%	0.058%
58	5.719	5.700	5.751	VV	2513	59509	4.39%	0.121%
59	5.772	5.751	5.785	VV	2752	43397	3.20%	0.088%
60	5.796	5.785	5.804	VV	2687	26742	1.97%	0.054%
61	5.825	5.804	5.865	VV	10176	213661	15.75%	0.433%
62	5.874	5.865	5.890	VV	2922	39570	2.92%	0.080%
63	5.908	5.890	5.925	VV	4770	65264	4.81%	0.132%
64	5.950	5.925	5.990	VV	13912	238873	17.61%	0.485%
65	6.010	5.990	6.040	VV	5802	101120	7.45%	0.205%
66	6.075	6.040	6.099	VV	4239	110535	8.15%	0.224%
67	6.124	6.099	6.141	VV	5308	75359	5.55%	0.153%
68	6.175	6.141	6.194	VV	6464	120079	8.85%	0.244%
69	6.227	6.194	6.252	VV	8489	175744	12.95%	0.357%
70	6.274	6.252	6.293	VV	6340	109927	8.10%	0.223%
71	6.319	6.293	6.343	VV	6307	129750	9.56%	0.263%
72	6.360	6.343	6.372	VV	5722	81455	6.00%	0.165%
73	6.387	6.372	6.431	VV	5717	160846	11.85%	0.326%
74	6.469	6.431	6.485	VV	6591	147261	10.85%	0.299%
75	6.500	6.485	6.528	VV	6753	141219	10.41%	0.287%
76	6.547	6.528	6.572	VV	8772	167889	12.37%	0.341%
77	6.597	6.572	6.660	VV	6283	278293	20.51%	0.565%
78	6.691	6.660	6.723	VV	5682	173763	12.81%	0.353%
79	6.736	6.723	6.748	VV	4380	58060	4.28%	0.118%
80	6.771	6.748	6.785	VV	5539	101898	7.51%	0.207%
81	6.799	6.785	6.808	VV	6800	77058	5.68%	0.156%
82	6.828	6.808	6.851	VV	34644	447313	32.97%	0.908%
83	6.862	6.851	6.888	VV	10401	166358	12.26%	0.338%
84	6.900	6.888	6.919	VV	7661	110147	8.12%	0.223%
85	6.961	6.919	6.978	VV	7248	199750	14.72%	0.405%
86	7.002	6.978	7.026	VV	14545	258556	19.06%	0.525%
87	7.039	7.026	7.053	VV	7871	101069	7.45%	0.205%
88	7.069	7.053	7.114	VV	7924	216645	15.97%	0.440%
89	7.142	7.114	7.161	VV	7563	173817	12.81%	0.353%

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90	7.206	7.161	7.226	VV	11061	321480	23.69%	0.652%
91	7.247	7.226	7.274	VV	10588	212014	15	
92	7.299	7.274	7.318	VV	8510	180977	13	
93	7.328	7.318	7.340	VV	6926	86218	6	
94	7.352	7.340	7.370	VV	7541	114196	8	
95	7.395	7.370	7.430	VV	36482	545888	40	
96	7.450	7.430	7.471	VV	8847	176680	13.02%	0.358%
97	7.495	7.471	7.513	VV	14342	233762	17.23%	0.474%
98	7.538	7.513	7.552	VV	8624	186021	13.71%	0.377%
99	7.580	7.552	7.611	VV	9728	301882	22.25%	0.612%
100	7.623	7.611	7.644	VV	9046	150261	11.07%	0.305%
101	7.670	7.644	7.692	VV	8410	207016	15.26%	0.420%
102	7.711	7.692	7.721	VV	9270	146491	10.80%	0.297%
103	7.746	7.721	7.771	VV	10606	277022	20.42%	0.562%
104	7.796	7.771	7.824	VV	21634	404830	29.84%	0.821%
105	7.839	7.824	7.864	VV	8269	167513	12.35%	0.340%
106	7.884	7.864	7.894	VV	8794	134926	9.94%	0.274%
107	7.907	7.894	7.922	VV	9630	142157	10.48%	0.288%
108	7.961	7.922	7.978	VV	16532	362094	26.69%	0.735%
109	7.992	7.978	8.027	VV	11559	259598	19.13%	0.527%
110	8.052	8.027	8.068	VV	12714	226834	16.72%	0.460%
111	8.084	8.068	8.095	VV	11187	164169	12.10%	0.333%
112	8.104	8.095	8.121	VV	11007	149967	11.05%	0.304%
113	8.149	8.121	8.167	VV	11260	250997	18.50%	0.509%
114	8.200	8.167	8.215	VV	11001	273902	20.19%	0.556%
115	8.232	8.215	8.273	VV	12811	349593	25.77%	0.709%
116	8.320	8.273	8.347	VV	45062	754832	55.63%	1.531%
117	8.369	8.347	8.391	VV	12761	279355	20.59%	0.567%
118	8.411	8.391	8.430	VV	14249	256612	18.91%	0.521%
119	8.465	8.430	8.485	VV	11678	358303	26.41%	0.727%
120	8.501	8.485	8.531	VV	13675	324455	23.91%	0.658%
121	8.549	8.531	8.572	VV	17793	314460	23.18%	0.638%
122	8.597	8.572	8.609	VV	12590	242684	17.89%	0.492%
123	8.618	8.609	8.632	VV	11681	153668	11.33%	0.312%
124	8.656	8.632	8.730	VV	21633	756026	55.72%	1.534%
125	8.748	8.730	8.766	VV	11783	226454	16.69%	0.459%
126	8.792	8.766	8.817	VV	12013	327242	24.12%	0.664%
127	8.859	8.817	8.910	VV	17639	694969	51.22%	1.410%
128	8.925	8.910	8.937	VV	12343	179496	13.23%	0.364%
129	8.955	8.937	8.979	VV	20567	367001	27.05%	0.745%
130	9.041	8.979	9.069	VV	55049	1128848	83.20%	2.290%
131	9.082	9.069	9.100	VV	11125	191059	14.08%	0.388%
132	9.118	9.100	9.141	VV	13475	268146	19.76%	0.544%
133	9.188	9.141	9.206	VV	14748	448099	33.03%	0.909%
134	9.220	9.206	9.232	VV	11095	169914	12.52%	0.345%
135	9.265	9.232	9.288	VV	15577	437533	32.25%	0.888%
136	9.330	9.288	9.380	VV	14052	699623	51.56%	1.419%
137	9.412	9.380	9.434	VV	16011	394300	29.06%	0.800%
138	9.455	9.434	9.495	VV	11945	379293	27.95%	0.770%
139	9.532	9.495	9.545	VV	11350	291737	21.50%	0.592%
140	9.563	9.545	9.579	VV	12168	226646	16.70%	0.460%
141	9.627	9.579	9.647	VV	12674	454094	33.47%	0.921%

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142	9.657	9.647	9.673	VV	10241	153322	11.30%	0.311%
143	9.701	9.673	9.751	VV	19961	638668	47	
144	9.780	9.751	9.808	VV	19159	473874	34	
145	9.864	9.808	9.910	VV	17415	704600	51	
146	9.942	9.910	9.979	VV	9472	364421	26	
147	10.022	9.979	10.036	VV	11117	325968	24	
148	10.062	10.036	10.092	VV	18748	471426	34.75%	0.956%
149	10.108	10.092	10.151	VV	15537	424678	31.30%	0.862%
150	10.169	10.151	10.178	VV	12929	196452	14.48%	0.399%
151	10.184	10.178	10.198	VV	12718	146787	10.82%	0.298%
152	10.210	10.198	10.251	VV	13083	352824	26.00%	0.716%
153	10.279	10.251	10.298	VV	10552	268599	19.80%	0.545%
154	10.337	10.298	10.361	VV	11078	390701	28.80%	0.793%
155	10.382	10.361	10.405	VV	11683	268004	19.75%	0.544%
156	10.454	10.405	10.465	VV	11245	349054	25.73%	0.708%
157	10.494	10.465	10.525	VV	53999	946366	69.75%	1.920%
158	10.556	10.525	10.615	VV	11227	576250	42.47%	1.169%
159	10.641	10.615	10.666	VV	13714	328940	24.24%	0.667%
160	10.685	10.666	10.709	VV	9137	224223	16.53%	0.455%
161	10.776	10.709	10.803	VV	13022	573525	42.27%	1.164%
162	10.846	10.803	10.884	VV	14852	581559	42.86%	1.180%
163	10.918	10.884	10.948	VV	84071	1356815	100.00%	2.753%
164	10.960	10.948	10.997	VV	12990	325969	24.02%	0.661%
165	11.035	10.997	11.071	VV	10561	438297	32.30%	0.889%
166	11.113	11.071	11.146	VV	10561	444410	32.75%	0.902%
167	11.182	11.146	11.205	VV	12340	378582	27.90%	0.768%
168	11.238	11.205	11.281	VV	17640	531865	39.20%	1.079%
169	11.323	11.281	11.340	VV	10356	326635	24.07%	0.663%
170	11.373	11.340	11.389	VV	9594	265931	19.60%	0.540%
171	11.401	11.389	11.426	VV	9330	204637	15.08%	0.415%
172	11.445	11.426	11.454	VV	9067	148251	10.93%	0.301%
173	11.497	11.454	11.521	VV	10084	385981	28.45%	0.783%
174	11.546	11.521	11.587	VV	13638	420587	31.00%	0.853%
175	11.637	11.587	11.678	VV	46509	1002830	73.91%	2.035%
176	11.703	11.678	11.727	VV	9304	249046	18.36%	0.505%
177	11.744	11.727	11.766	VV	8849	191046	14.08%	0.388%
178	11.815	11.766	11.835	VV	10519	369927	27.26%	0.751%
179	11.843	11.835	11.884	VV	9748	258057	19.02%	0.524%
180	11.914	11.884	11.931	VV	8946	226236	16.67%	0.459%
181	11.947	11.931	11.970	VV	9040	184961	13.63%	0.375%
182	11.990	11.970	12.015	VV	7977	199557	14.71%	0.405%
183	12.042	12.015	12.081	VV	8096	305772	22.54%	0.620%
184	12.102	12.081	12.138	VV	8704	265974	19.60%	0.540%
185	12.155	12.138	12.166	VV	7979	130596	9.63%	0.265%
186	12.195	12.166	12.270	VV	16370	621037	45.77%	1.260%
187	12.295	12.270	12.304	VV	7389	148058	10.91%	0.300%
188	12.325	12.304	12.390	VV	8306	371765	27.40%	0.754%
189	12.414	12.390	12.465	VV	7313	290392	21.40%	0.589%
190	12.489	12.465	12.504	VV	6832	148299	10.93%	0.301%
191	12.514	12.504	12.546	VV	6740	156363	11.52%	0.317%
192	12.576	12.546	12.598	VV	6189	181849	13.40%	0.369%
193	12.627	12.598	12.638	VV	5976	140853	10.38%	0.286%
194	12.647	12.638	12.671	VV	5944	109531	8.07%	0.222%

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195	12.721	12.671	12.753	VV	6064	274871	20.26%	0.558%
196	12.779	12.753	12.815	VV	7690	234480	17	
197	12.856	12.815	12.904	VV	8666	327308	24	
198	12.920	12.904	12.944	VV	5212	120203	8	
199	12.968	12.944	12.983	VV	5122	118618	8	
200	13.001	12.983	13.061	VV	5837	214304	15	
201	13.076	13.061	13.090	VV	4090	69676	5.14%	0.141%
202	13.113	13.090	13.120	VV	4322	74878	5.52%	0.152%
203	13.134	13.120	13.163	VV	4495	105757	7.79%	0.215%
204	13.180	13.163	13.201	VV	4224	90109	6.64%	0.183%
205	13.215	13.201	13.253	VV	3967	114259	8.42%	0.232%
206	13.303	13.253	13.331	VV	28436	480629	35.42%	0.975%
207	13.351	13.331	13.388	VV	7152	187201	13.80%	0.380%
208	13.399	13.388	13.450	VV	4093	136255	10.04%	0.276%
209	13.469	13.450	13.490	VV	4391	89163	6.57%	0.181%
210	13.510	13.490	13.551	VV	3872	124049	9.14%	0.252%
211	13.571	13.551	13.618	VV	3238	116714	8.60%	0.237%
212	13.632	13.618	13.658	VV	2958	62036	4.57%	0.126%
213	13.691	13.658	13.718	VV	3954	108421	7.99%	0.220%
214	13.739	13.718	13.805	VV	2867	130052	9.59%	0.264%
215	13.824	13.805	13.855	VV	2209	63552	4.68%	0.129%
216	13.888	13.855	13.933	VV	2755	112825	8.32%	0.229%
217	13.964	13.933	14.026	VV	2872	121061	8.92%	0.246%
218	14.052	14.026	14.086	VV	2935	76014	5.60%	0.154%
219	14.104	14.086	14.125	VV	1849	40686	3.00%	0.083%
220	14.139	14.125	14.160	VV	1821	34921	2.57%	0.071%
221	14.178	14.160	14.223	VV	1583	55463	4.09%	0.113%
222	14.233	14.223	14.243	VV	1256	14584	1.07%	0.030%
223	14.286	14.243	14.335	VV	2182	85369	6.29%	0.173%
224	14.346	14.335	14.388	VV	1428	39327	2.90%	0.080%
225	14.434	14.388	14.506	VV	1386	81978	6.04%	0.166%
226	14.525	14.506	14.545	VV	1118	23541	1.74%	0.048%
227	14.560	14.545	14.593	VV	1203	27346	2.02%	0.055%
228	14.616	14.593	14.650	VV	1317	31129	2.29%	0.063%
229	14.682	14.650	14.718	VV	1056	34010	2.51%	0.069%
230	14.742	14.718	14.845	VV	1018	49254	3.63%	0.100%
231	14.861	14.845	14.881	VV	719	13430	0.99%	0.027%
232	14.902	14.881	14.948	VV	703	20407	1.50%	0.041%
233	14.992	14.948	15.031	VV	568	20935	1.54%	0.042%
234	15.050	15.031	15.091	VV	453	13789	1.02%	0.028%
235	15.111	15.091	15.127	VV	681	10694	0.79%	0.022%
236	15.156	15.127	15.185	VV	1073	22288	1.64%	0.045%
237	15.198	15.185	15.270	VV	465	15962	1.18%	0.032%
238	15.299	15.270	15.318	VV	393	7616	0.56%	0.015%
239	15.332	15.318	15.376	VV	269	6709	0.49%	0.014%
240	15.403	15.376	15.428	VV	320	7046	0.52%	0.014%
241	15.473	15.428	15.522	VV	224	8408	0.62%	0.017%
242	15.529	15.522	15.555	VV	114	1551	0.11%	0.003%
243	15.572	15.555	15.592	VV	215	3094	0.23%	0.006%
244	15.629	15.592	15.650	VV	199	4707	0.35%	0.010%
245	15.676	15.650	15.708	VV	571	11197	0.83%	0.023%
246	15.715	15.708	15.785	VV	266	6317	0.47%	0.013%

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

247	15.810	15.785	15.862	PV	80	2099	0.15%	0.004%
248	15.894	15.862	15.925	VV	129	2680		
249	15.934	15.925	15.948	VV	94	662		
250	15.984	15.948	16.030	PV	308	7247		
251	16.045	16.030	16.052	VV	142	1027		
252	16.061	16.052	16.087	VV	62	1258		
253	16.134	16.087	16.150	PV	407	8052	0.59%	0.016%
254	16.176	16.150	16.245	VV	832	19789	1.46%	0.040%
255	16.256	16.245	16.275	VV	127	1301	0.10%	0.003%
256	16.282	16.275	16.295	VV	126	975	0.07%	0.002%
257	16.305	16.295	16.328	VV	244	2451	0.18%	0.005%
258	16.361	16.328	16.370	VV	201	3128	0.23%	0.006%
259	16.385	16.370	16.438	VV	144	4358	0.32%	0.009%
260	16.493	16.438	16.531	VV	264	8190	0.60%	0.017%
261	16.545	16.531	16.575	VV	174	2147	0.16%	0.004%
262	16.656	16.575	16.715	PV	855	24331	1.79%	0.049%
263	16.738	16.715	16.765	VV	475	7940	0.59%	0.016%
264	16.775	16.765	16.785	VV	134	973	0.07%	0.002%
265	16.877	16.785	16.918	PV	286	15451	1.14%	0.031%
266	16.924	16.918	16.937	VV	113	1145	0.08%	0.002%
267	16.949	16.937	16.954	VV	78	800	0.06%	0.002%
268	17.007	16.954	17.047	VV	212	7872	0.58%	0.016%
269	17.124	17.047	17.197	PV	1571	35265	2.60%	0.072%
270	17.213	17.197	17.232	VV	110	1770	0.13%	0.004%
271	17.283	17.232	17.308	VV	167	3710	0.27%	0.008%
272	17.315	17.308	17.335	VV	80	1537	0.11%	0.003%
273	17.362	17.335	17.388	VV	239	5010	0.37%	0.010%
274	17.573	17.388	17.646	PV	1943	50937	3.75%	0.103%
275	17.686	17.646	17.718	VV	323	9626	0.71%	0.020%
276	17.727	17.718	17.735	VV	113	838	0.06%	0.002%
277	17.743	17.735	17.754	PV	131	856	0.06%	0.002%
278	17.776	17.754	17.786	VV	135	1736	0.13%	0.004%
279	17.950	17.786	17.961	VV	222	4847	0.36%	0.010%
280	18.008	17.961	18.041	VV	2831	47761	3.52%	0.097%
281	18.052	18.041	18.088	VV	272	4655	0.34%	0.009%
282	18.095	18.088	18.111	VV	237	1737	0.13%	0.004%
283	18.151	18.111	18.164	VV	561	10127	0.75%	0.021%
284	18.179	18.164	18.245	VV	525	10725	0.79%	0.022%
285	18.290	18.245	18.315	PV	230	5702	0.42%	0.012%
286	18.361	18.315	18.370	VV	249	4799	0.35%	0.010%
287	18.430	18.370	18.465	VV	2866	49213	3.63%	0.100%
288	18.473	18.465	18.477	VV	392	2966	0.22%	0.006%
289	18.486	18.477	18.493	VV	410	3488	0.26%	0.007%
290	18.517	18.493	18.561	VV	733	15533	1.14%	0.032%
291	18.582	18.561	18.610	VV	172	3721	0.27%	0.008%
292	18.840	18.610	18.878	PV	3270	73958	5.45%	0.150%
293	18.883	18.878	18.895	VV	301	2397	0.18%	0.005%
294	18.939	18.895	18.960	VV	320	5117	0.38%	0.010%
295	19.138	18.960	19.154	PV	212	12574	0.93%	0.026%
296	19.238	19.154	19.287	PV	2637	47541	3.50%	0.096%
297	19.302	19.287	19.308	VV	108	762	0.06%	0.002%
298	19.487	19.308	19.499	PV	238	17014	1.25%	0.035%
299	19.535	19.499	19.548	VV	136	2884	0.21%	0.006%

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10ADL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

rteres

300	19.624	19.548	19.658	PV	2849	52773	3.89%	0.107%
301	19.669	19.658	19.685	VV	416	5022		
302	19.748	19.685	19.763	VV	328	13126		
303	19.775	19.763	19.788	VV	245	2851		
304	19.920	19.788	19.937	VV	1017	51594		
305	19.997	19.937	20.071	VV	2889	104631		
306	20.364	20.071	20.385	VV	4249	329588	24.29%	0.669%
307	20.426	20.385	20.457	VV	3117	126550	9.33%	0.257%
308	20.717	20.457	20.775	VV	5599	720245	53.08%	1.461%
309	20.954	20.775	20.969	VV	5117	559729	41.25%	1.136%
310	20.996	20.969	21.022	VV	5074	159490	11.75%	0.324%

Sum of corrected areas: 49289626

Aliphatic EPH 091024.M Sat Sep 21 06:16:02 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	09/17/24
Project:	North Point			Date Received:	09/18/24
Client Sample ID:	WC-14-7.5-10B			SDG No.:	P4103
Lab Sample ID:	P4103-13			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.1
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/19/24 12:25	09/19/24 23:11	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	1	0.43	1.13	mg/kg	FE050221.D
Aliphatic C12-C16	Aliphatic C12-C16	9.66		1	0.27	0.76	mg/kg	FE050221.D
Aliphatic C16-C21	Aliphatic C16-C21	11.6		1	0.34	1.13	mg/kg	FE050221.D
Aliphatic C21-C28	Aliphatic C21-C28	1.29	J	1	0.91	1.51	mg/kg	FE050221.D
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1	2.04	2.27	mg/kg	FE050221.D
Aromatic C10-C12	Aromatic C10-C12	0.38	J	1	0.34	0.76	mg/kg	FG014285.D
Aromatic C12-C16	Aromatic C12-C16	2.84		1	0.39	1.13	mg/kg	FG014285.D
Aromatic C16-C21	Aromatic C16-C21	12.0		1	1.09	1.89	mg/kg	FG014285.D
Aromatic C21-C36	Aromatic C21-C36	2.27	U	1	2.27	3.02	mg/kg	FG014285.D
Total AliphaticEPH	Total AliphaticEPH	41.0			3.99	6.80	mg/kg	
Total AromaticEPH	Total AromaticEPH	15.2			4.08	6.80	mg/kg	
Total EPH	Total EPH	56.2			8.07	13.6	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10B		SDG No.:	P4103	
Lab Sample ID:	P4103-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.1	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050221.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.66		0.27	0.76	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.6		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.29	J	0.91	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.3		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.8		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-13	Acq On:	19 Sep 2024 23:11
Client Sample ID:	WC-14-7.5-10B	Operator:	YP\AJ
Data file:	FE050221.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.159	6.778	1998174	14.555	300	ug/ml
Aliphatic C12-C16	6.779	10.211	17588361	127.881	200	ug/ml
Aliphatic C16-C21	10.212	13.571	20849021	154.192	300	ug/ml
Aliphatic C21-C28	13.572	17.227	2214312	17.114	400	ug/ml
Aliphatic C28-C40	17.228	22.082	27548468	229.385	600	ug/ml
Aliphatic EPH	3.159	22.082	70198336	543.127		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.304	13.304	2900766	25.82		ug/ml
Aliphatic C9-C28	3.159	17.227	42649868	313.742	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050221.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 23:11
Operator : YP\AJ
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10B

Integration File: autoint1.e
Quant Time: Sep 20 01:37:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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...	13.304	2900766	25.824 ug/ml
Spiked Amount 50.000		Recovery = 51.65%	
Target Compounds			

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

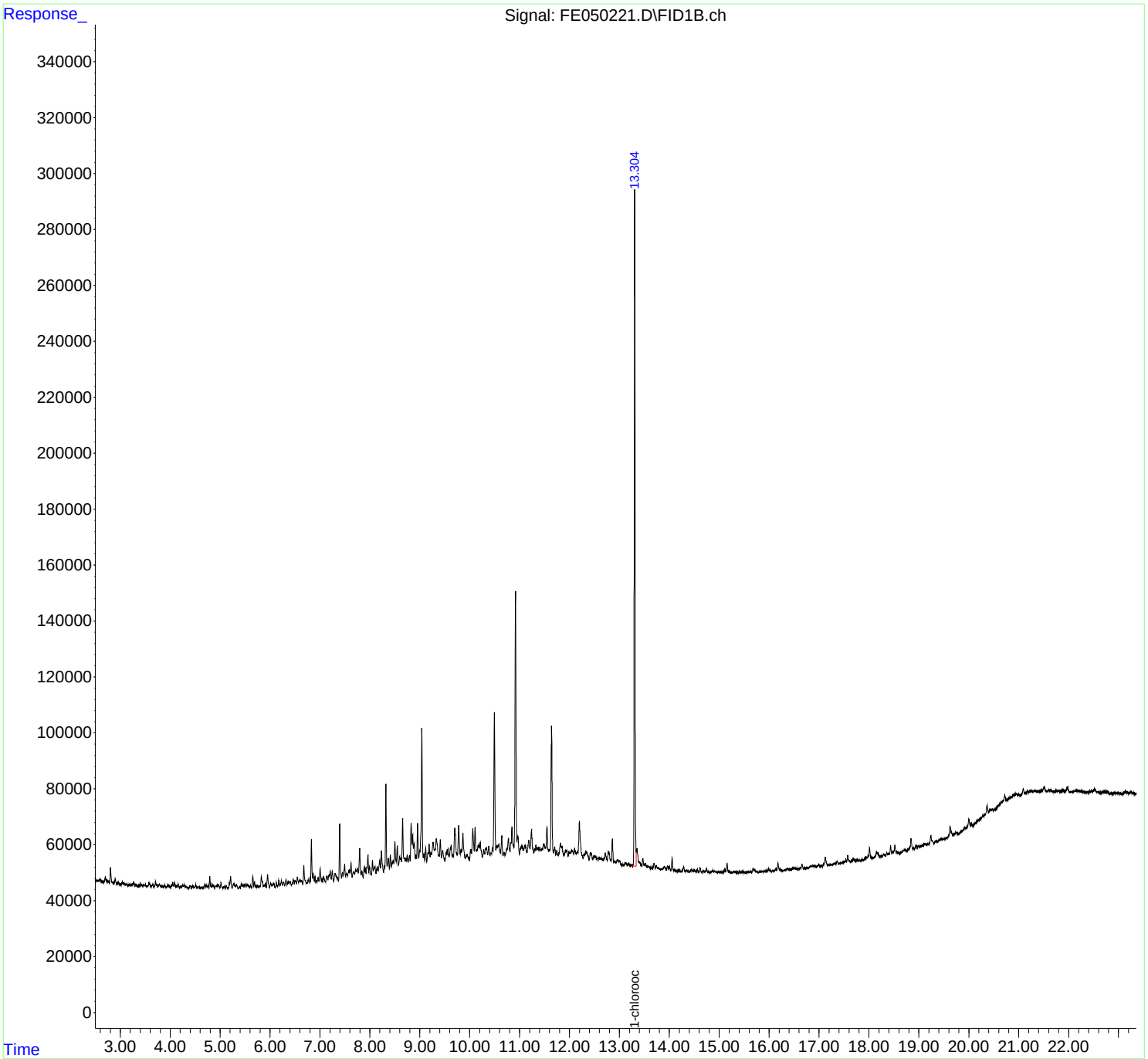
Quantitation Report (QT Reviewed)

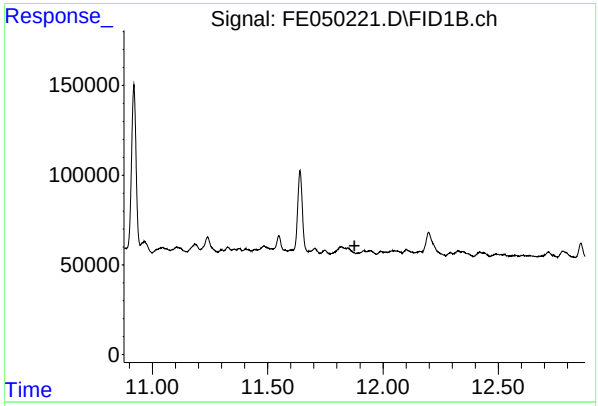
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050221.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 23:11
Operator : YP\AJ
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10B

Integration File: autoint1.e
Quant Time: Sep 20 01:37:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

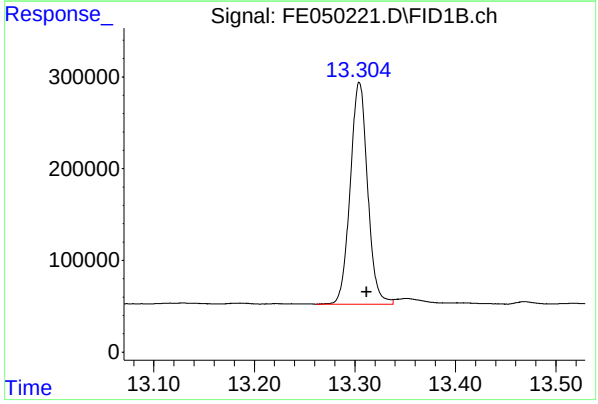




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.876 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
WC-14-7.5-10B



#12 1-chlorooctadecane (SURR)

R.T.: 13.304 min
Delta R.T.: -0.007 min
Response: 2900766
Conc: 25.82 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050221.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 23:11
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.127	3.105	3.173	BV	148	472	0.02%	0.001%
2	3.184	3.173	3.201	PV	170	1594	0.05%	0.002%
3	3.273	3.201	3.296	PV	894	22588	0.74%	0.030%
4	3.308	3.296	3.361	VV	237	3561	0.12%	0.005%
5	3.375	3.361	3.388	PV	140	1842	0.06%	0.002%
6	3.401	3.388	3.421	VV	699	8434	0.27%	0.011%
7	3.430	3.421	3.450	VV	507	4680	0.15%	0.006%
8	3.471	3.450	3.486	VV	493	6603	0.22%	0.009%
9	3.499	3.486	3.528	VV	539	7764	0.25%	0.010%
10	3.541	3.528	3.552	VV	202	1728	0.06%	0.002%
11	3.572	3.552	3.616	VV	1172	21636	0.70%	0.028%
12	3.649	3.616	3.672	VV	699	12752	0.42%	0.017%
13	3.704	3.672	3.742	VV	1943	29983	0.98%	0.039%
14	3.786	3.742	3.819	VV	1051	24176	0.79%	0.032%
15	3.838	3.819	3.875	VV	377	7265	0.24%	0.010%
16	3.890	3.875	3.920	VV	820	9281	0.30%	0.012%
17	3.952	3.920	4.006	VV	924	21688	0.71%	0.029%
18	4.050	4.006	4.066	PV	1977	29339	0.96%	0.039%
19	4.084	4.066	4.102	VV	1831	23717	0.77%	0.031%
20	4.117	4.102	4.137	VV	682	11495	0.37%	0.015%
21	4.159	4.137	4.182	VV	1332	18767	0.61%	0.025%
22	4.198	4.182	4.207	VV	308	3111	0.10%	0.004%
23	4.222	4.207	4.231	VV	450	5210	0.17%	0.007%
24	4.252	4.231	4.266	VV	1255	15805	0.51%	0.021%
25	4.281	4.266	4.310	VV	1024	16966	0.55%	0.022%
26	4.319	4.310	4.371	VV	522	8518	0.28%	0.011%
27	4.402	4.371	4.430	PV	773	12816	0.42%	0.017%
28	4.450	4.430	4.475	VV	720	12012	0.39%	0.016%
29	4.510	4.475	4.560	VV	1316	24388	0.79%	0.032%
30	4.580	4.560	4.613	VV	481	7214	0.23%	0.009%
31	4.638	4.613	4.651	PV	357	3728	0.12%	0.005%
32	4.695	4.651	4.709	VV	1274	21810	0.71%	0.029%
33	4.718	4.709	4.744	VV	1034	16561	0.54%	0.022%
34	4.759	4.744	4.774	VV	1218	14672	0.48%	0.019%
35	4.793	4.774	4.834	VV	4318	60554	1.97%	0.080%
36	4.852	4.834	4.890	VV	1003	25607	0.83%	0.034%

rteres

37	4.923	4.890	4.936	VV	896	18575	0.61%	0.024%
38	4.949	4.936	4.960	VV	1173	13052	0.43%	0.017%
39	4.971	4.960	4.996	VV	1347	18531	0.60%	0.024%
40	5.018	4.996	5.057	VV	2058	30193	0.98%	0.040%
41	5.087	5.057	5.103	VV	524	9963	0.32%	0.013%
42	5.122	5.103	5.149	VV	1030	13243	0.43%	0.017%
43	5.186	5.149	5.194	VV	2090	23254	0.76%	0.031%
44	5.210	5.194	5.240	VV	4320	57514	1.87%	0.076%
45	5.267	5.240	5.313	VV	1720	46438	1.51%	0.061%
46	5.328	5.313	5.363	VV	1368	21767	0.71%	0.029%
47	5.388	5.363	5.405	PV	456	7786	0.25%	0.010%
48	5.424	5.405	5.439	VV	1635	21695	0.71%	0.029%
49	5.450	5.439	5.462	VV	1101	12775	0.42%	0.017%
50	5.486	5.462	5.500	VV	1278	22670	0.74%	0.030%
51	5.518	5.500	5.535	VV	1428	23482	0.76%	0.031%
52	5.549	5.535	5.597	VV	1200	31632	1.03%	0.042%
53	5.611	5.597	5.628	VV	1032	10874	0.35%	0.014%
54	5.655	5.628	5.675	PV	4207	58581	1.91%	0.077%
55	5.690	5.675	5.708	VV	2360	27467	0.89%	0.036%
56	5.721	5.708	5.733	VV	811	9951	0.32%	0.013%
57	5.745	5.733	5.761	VV	797	11127	0.36%	0.015%
58	5.773	5.761	5.785	VV	838	9798	0.32%	0.013%
59	5.826	5.785	5.866	VV	4129	88885	2.90%	0.117%
60	5.877	5.866	5.895	VV	915	13932	0.45%	0.018%
61	5.909	5.895	5.927	VV	1654	18840	0.61%	0.025%
62	5.951	5.927	5.992	VV	4739	76018	2.48%	0.100%
63	6.013	5.992	6.041	VV	1725	27499	0.90%	0.036%
64	6.057	6.041	6.067	VV	1276	15515	0.51%	0.020%
65	6.077	6.067	6.103	VV	1324	14905	0.49%	0.020%
66	6.125	6.103	6.142	VV	1865	20423	0.67%	0.027%
67	6.176	6.142	6.195	VV	2596	40134	1.31%	0.053%
68	6.228	6.195	6.251	VV	2459	47677	1.55%	0.063%
69	6.273	6.251	6.294	VV	1843	32474	1.06%	0.043%
70	6.320	6.294	6.343	VV	2729	46427	1.51%	0.061%
71	6.361	6.343	6.375	VV	2206	30787	1.00%	0.041%
72	6.403	6.375	6.428	VV	1939	49223	1.60%	0.065%
73	6.468	6.428	6.486	VV	2616	55845	1.82%	0.074%
74	6.501	6.486	6.528	VV	2397	45384	1.48%	0.060%
75	6.548	6.528	6.573	VV	3607	62518	2.04%	0.082%
76	6.600	6.573	6.656	VV	2385	99841	3.25%	0.131%
77	6.678	6.656	6.726	VV	7639	133663	4.35%	0.176%
78	6.766	6.726	6.785	VV	2419	59951	1.95%	0.079%
79	6.801	6.785	6.810	VV	3155	34615	1.13%	0.046%
80	6.829	6.810	6.852	VV	16950	205556	6.70%	0.271%
81	6.864	6.852	6.887	VV	4815	71861	2.34%	0.095%
82	6.902	6.887	6.921	VV	3560	49681	1.62%	0.065%
83	6.962	6.921	6.981	VV	3070	79145	2.58%	0.104%
84	7.004	6.981	7.029	VV	6255	105233	3.43%	0.139%
85	7.040	7.029	7.053	VV	2710	31696	1.03%	0.042%
86	7.070	7.053	7.114	VV	3364	82870	2.70%	0.109%
87	7.142	7.114	7.161	VV	3491	76931	2.51%	0.101%
88	7.207	7.161	7.226	VV	5145	142584	4.64%	0.188%
89	7.248	7.226	7.275	VV	5259	100052	3.26%	0.132%

90	7.302	7.275	7.344	VV	4389	137856	4.49%	0.182%
91	7.353	7.344	7.371	VV	2960	39623	1.29%	0.052%
92	7.396	7.371	7.432	VV	22040	311310	10.14%	0.410%
93	7.451	7.432	7.465	VV	4690	74817	2.44%	0.099%
94	7.495	7.465	7.514	VV	7609	151409	4.93%	0.199%
95	7.539	7.514	7.554	VV	4088	90307	2.94%	0.119%
96	7.583	7.554	7.594	VV	5489	111749	3.64%	0.147%
97	7.624	7.594	7.646	VV	7888	167486	5.46%	0.221%
98	7.671	7.646	7.698	VV	4817	128867	4.20%	0.170%
99	7.713	7.698	7.725	VV	5469	78376	2.55%	0.103%
100	7.749	7.725	7.770	VV	5688	138347	4.51%	0.182%
101	7.797	7.770	7.825	VV	13119	246062	8.02%	0.324%
102	7.840	7.825	7.865	VV	4821	92654	3.02%	0.122%
103	7.886	7.865	7.897	VV	6066	89596	2.92%	0.118%
104	7.908	7.897	7.923	VV	6029	79051	2.58%	0.104%
105	7.962	7.923	7.979	VV	10554	227732	7.42%	0.300%
106	7.993	7.979	8.027	VV	6395	142079	4.63%	0.187%
107	8.053	8.027	8.071	VV	8766	155310	5.06%	0.205%
108	8.103	8.071	8.121	VV	6490	168445	5.49%	0.222%
109	8.149	8.121	8.167	VV	6388	145761	4.75%	0.192%
110	8.198	8.167	8.215	VV	8495	194723	6.34%	0.256%
111	8.234	8.215	8.274	VV	11940	273030	8.89%	0.360%
112	8.293	8.274	8.300	VV	6496	85070	2.77%	0.112%
113	8.322	8.300	8.347	VV	35760	473191	15.41%	0.623%
114	8.372	8.347	8.393	VV	9288	207033	6.74%	0.273%
115	8.411	8.393	8.431	VV	10451	178176	5.80%	0.235%
116	8.466	8.431	8.481	VV	8175	230357	7.50%	0.303%
117	8.503	8.481	8.530	VV	15205	307259	10.01%	0.405%
118	8.550	8.530	8.571	VV	13536	246104	8.02%	0.324%
119	8.599	8.571	8.611	VV	9780	198502	6.47%	0.261%
120	8.620	8.611	8.633	VV	9182	115642	3.77%	0.152%
121	8.658	8.633	8.686	VV	23278	428007	13.94%	0.564%
122	8.693	8.686	8.711	VV	9266	131481	4.28%	0.173%
123	8.722	8.711	8.732	VV	8560	105251	3.43%	0.139%
124	8.749	8.732	8.768	VV	10169	194893	6.35%	0.257%
125	8.794	8.768	8.808	VV	9885	211385	6.89%	0.278%
126	8.828	8.808	8.846	VV	21443	359723	11.72%	0.474%
127	8.859	8.846	8.874	VV	17366	254039	8.28%	0.335%
128	8.890	8.874	8.914	VV	14305	290265	9.46%	0.382%
129	8.926	8.914	8.937	VV	10187	133506	4.35%	0.176%
130	8.957	8.937	8.981	VV	21314	367855	11.98%	0.484%
131	9.043	8.981	9.070	VV	55235	1105089	36.00%	1.455%
132	9.083	9.070	9.101	VV	10465	178716	5.82%	0.235%
133	9.120	9.101	9.141	VV	12571	238672	7.77%	0.314%
134	9.165	9.141	9.173	VV	10793	184663	6.02%	0.243%
135	9.189	9.173	9.208	VV	13764	236530	7.70%	0.311%
136	9.222	9.208	9.234	VV	10691	162251	5.29%	0.214%
137	9.267	9.234	9.306	VV	14428	533142	17.37%	0.702%
138	9.332	9.306	9.381	VV	15663	569597	18.55%	0.750%
139	9.412	9.381	9.436	VV	15277	371954	12.12%	0.490%
140	9.460	9.436	9.499	VV	11562	369499	12.04%	0.487%
141	9.534	9.499	9.544	VV	10828	249786	8.14%	0.329%

142	9.563	9.544	9.596	VV	11724	324846	10.58%	0.428%
143	9.630	9.596	9.650	VV	13085	366111	11.93%	0.482%
144	9.660	9.650	9.674	VV	9857	137880	4.49%	0.182%
145	9.702	9.674	9.755	VV	19247	634890	20.68%	0.836%
146	9.781	9.755	9.811	VV	20267	476574	15.52%	0.628%
147	9.835	9.811	9.845	VV	11301	221419	7.21%	0.292%
148	9.866	9.845	9.910	VV	17477	476564	15.52%	0.628%
149	9.947	9.910	9.985	VV	9764	396307	12.91%	0.522%
150	10.024	9.985	10.038	VV	11523	307667	10.02%	0.405%
151	10.064	10.038	10.092	VV	18936	460599	15.00%	0.607%
152	10.109	10.092	10.151	VV	19461	474951	15.47%	0.625%
153	10.169	10.151	10.178	VV	12735	195780	6.38%	0.258%
154	10.189	10.178	10.201	VV	12855	172321	5.61%	0.227%
155	10.212	10.201	10.252	VV	13839	347482	11.32%	0.458%
156	10.283	10.252	10.299	VV	11377	284134	9.26%	0.374%
157	10.322	10.299	10.362	VV	11742	411102	13.39%	0.541%
158	10.384	10.362	10.407	VV	12361	288288	9.39%	0.380%
159	10.422	10.407	10.437	VV	9978	173475	5.65%	0.228%
160	10.457	10.437	10.467	VV	11623	194888	6.35%	0.257%
161	10.497	10.467	10.526	VV	60173	1031982	33.62%	1.359%
162	10.543	10.526	10.555	VV	12265	209156	6.81%	0.275%
163	10.579	10.555	10.613	VV	12759	408169	13.30%	0.537%
164	10.644	10.613	10.668	VV	16036	390109	12.71%	0.514%
165	10.693	10.668	10.710	VV	10127	239977	7.82%	0.316%
166	10.778	10.710	10.805	VV	15027	662626	21.58%	0.873%
167	10.847	10.805	10.885	VV	19042	659945	21.50%	0.869%
168	10.920	10.885	10.949	VV	103222	1676903	54.62%	2.208%
169	10.965	10.949	10.999	VV	15515	390355	12.72%	0.514%
170	11.043	10.999	11.077	VV	12291	526373	17.15%	0.693%
171	11.105	11.077	11.148	VV	12381	482513	15.72%	0.635%
172	11.185	11.148	11.208	VV	14136	429325	13.99%	0.565%
173	11.239	11.208	11.283	VV	17896	590118	19.22%	0.777%
174	11.299	11.283	11.309	VV	10875	161222	5.25%	0.212%
175	11.327	11.309	11.343	VV	12268	230604	7.51%	0.304%
176	11.355	11.343	11.365	VV	11125	138410	4.51%	0.182%
177	11.376	11.365	11.391	VV	11467	176296	5.74%	0.232%
178	11.405	11.391	11.429	VV	11304	245624	8.00%	0.323%
179	11.445	11.429	11.454	VV	10922	156274	5.09%	0.206%
180	11.484	11.454	11.523	VV	12699	483538	15.75%	0.637%
181	11.548	11.523	11.586	VV	18583	489391	15.94%	0.644%
182	11.640	11.586	11.678	VV	54611	1161861	37.85%	1.530%
183	11.704	11.678	11.728	VV	11353	303414	9.88%	0.400%
184	11.748	11.728	11.771	VV	10351	238154	7.76%	0.314%
185	11.819	11.771	11.841	VV	12206	443733	14.45%	0.584%
186	11.848	11.841	11.883	VV	11489	250390	8.16%	0.330%
187	11.918	11.883	11.929	VV	10082	254186	8.28%	0.335%
188	11.944	11.929	11.971	VV	10081	237850	7.75%	0.313%
189	11.990	11.971	12.002	VV	9621	165441	5.39%	0.218%
190	12.042	12.002	12.082	VV	9894	451025	14.69%	0.594%
191	12.102	12.082	12.138	VV	10601	317077	10.33%	0.418%
192	12.198	12.138	12.272	VV	20136	909479	29.63%	1.198%
193	12.293	12.272	12.305	VV	8688	160667	5.23%	0.212%
194	12.326	12.305	12.393	VV	9572	441065	14.37%	0.581%

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195	12.420	12.393	12.464	VV	8808	336467	10.96%	0.443%
196	12.489	12.464	12.515	VV	7745	222364	7.24%	0.293%
197	12.524	12.515	12.548	VV	7503	139292	4.54%	0.183%
198	12.573	12.548	12.590	VV	6951	171862	5.60%	0.226%
199	12.607	12.590	12.625	VV	7058	143001	4.66%	0.188%
200	12.633	12.625	12.668	VV	6851	169044	5.51%	0.223%
201	12.717	12.668	12.755	VV	8655	371117	12.09%	0.489%
202	12.781	12.755	12.833	VV	9181	344407	11.22%	0.454%
203	12.858	12.833	12.936	VV	13714	434411	14.15%	0.572%
204	12.966	12.936	12.988	VV	6059	178669	5.82%	0.235%
205	13.002	12.988	13.094	VV	5954	296954	9.67%	0.391%
206	13.130	13.094	13.165	VV	5027	192618	6.27%	0.254%
207	13.184	13.165	13.206	VV	4808	108104	3.52%	0.142%
208	13.222	13.206	13.233	VV	4252	64247	2.09%	0.085%
209	13.239	13.233	13.261	VV	4053	67564	2.20%	0.089%
210	13.304	13.261	13.338	VV	246026	3069852	100.00%	4.043%
211	13.351	13.338	13.450	VV	9802	396292	12.91%	0.522%
212	13.469	13.450	13.495	VV	6286	129567	4.22%	0.171%
213	13.517	13.495	13.552	VV	4537	134948	4.40%	0.178%
214	13.564	13.552	13.621	VV	3602	135472	4.41%	0.178%
215	13.633	13.621	13.655	VV	3013	57242	1.86%	0.075%
216	13.692	13.655	13.718	VV	4428	130747	4.26%	0.172%
217	13.740	13.718	13.763	VV	3471	83535	2.72%	0.110%
218	13.780	13.763	13.831	VV	2898	103244	3.36%	0.136%
219	13.845	13.831	13.861	VV	2473	41241	1.34%	0.054%
220	13.904	13.861	13.938	VV	3305	120819	3.94%	0.159%
221	13.967	13.938	13.988	VV	3329	80232	2.61%	0.106%
222	14.003	13.988	14.028	VV	3162	60411	1.97%	0.080%
223	14.054	14.028	14.095	VV	6233	124213	4.05%	0.164%
224	14.105	14.095	14.127	VV	1891	34532	1.12%	0.045%
225	14.139	14.127	14.171	VV	1767	42024	1.37%	0.055%
226	14.198	14.171	14.226	VV	1815	51587	1.68%	0.068%
227	14.287	14.226	14.316	VV	2934	96007	3.13%	0.126%
228	14.354	14.316	14.392	VV	1612	63742	2.08%	0.084%
229	14.437	14.392	14.475	VV	1720	69104	2.25%	0.091%
230	14.495	14.475	14.516	VV	1824	35615	1.16%	0.047%
231	14.528	14.516	14.541	VV	1252	17020	0.55%	0.022%
232	14.561	14.541	14.591	VV	1686	38044	1.24%	0.050%
233	14.616	14.591	14.645	VV	2225	43987	1.43%	0.058%
234	14.687	14.645	14.718	VV	1123	42298	1.38%	0.056%
235	14.743	14.718	14.795	VV	1839	52097	1.70%	0.069%
236	14.809	14.795	14.818	VV	696	8643	0.28%	0.011%
237	14.866	14.818	14.886	VV	1231	35819	1.17%	0.047%
238	14.898	14.886	14.949	VV	940	30201	0.98%	0.040%
239	14.968	14.949	14.985	VV	700	13032	0.42%	0.017%
240	14.995	14.985	15.032	VV	684	16662	0.54%	0.022%
241	15.062	15.032	15.090	VV	711	19964	0.65%	0.026%
242	15.111	15.090	15.132	VV	1641	25330	0.83%	0.033%
243	15.156	15.132	15.196	VV	3652	62887	2.05%	0.083%
244	15.204	15.196	15.261	VV	698	18665	0.61%	0.025%
245	15.295	15.261	15.331	VV	718	19259	0.63%	0.025%
246	15.344	15.331	15.372	VV	301	5993	0.20%	0.008%

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247	15.404	15.372	15.435	VV	549	13059	0.43%	0.017%
248	15.445	15.435	15.451	VV	294	2186	0.07%	0.003%
249	15.482	15.451	15.528	VV	503	12753	0.42%	0.017%
250	15.583	15.528	15.607	VV	546	12551	0.41%	0.017%
251	15.619	15.607	15.647	VV	430	8315	0.27%	0.011%
252	15.676	15.647	15.786	VV	1612	54774	1.78%	0.072%
253	15.806	15.786	15.837	PV	459	7566	0.25%	0.010%
254	15.868	15.837	15.878	VV	312	4928	0.16%	0.006%
255	15.896	15.878	15.927	VV	426	7852	0.26%	0.010%
256	15.937	15.927	15.951	VV	358	4164	0.14%	0.005%
257	15.990	15.951	16.055	VV	994	32324	1.05%	0.043%
258	16.073	16.055	16.099	VV	337	6259	0.20%	0.008%
259	16.136	16.099	16.154	VV	1237	20081	0.65%	0.026%
260	16.177	16.154	16.275	VV	2843	57252	1.86%	0.075%
261	16.315	16.275	16.335	PV	237	4319	0.14%	0.006%
262	16.374	16.335	16.398	VV	614	15051	0.49%	0.020%
263	16.409	16.398	16.443	VV	320	6052	0.20%	0.008%
264	16.489	16.443	16.528	VV	744	24001	0.78%	0.032%
265	16.534	16.528	16.591	VV	390	8226	0.27%	0.011%
266	16.620	16.591	16.636	VV	548	10384	0.34%	0.014%
267	16.659	16.636	16.693	VV	1642	26354	0.86%	0.035%
268	16.704	16.693	16.722	VV	230	2908	0.09%	0.004%
269	16.745	16.722	16.768	VV	277	4823	0.16%	0.006%
270	16.866	16.768	16.905	VV	869	44344	1.44%	0.058%
271	16.921	16.905	16.941	VV	609	11317	0.37%	0.015%
272	16.986	16.941	17.039	VV	847	32000	1.04%	0.042%
273	17.047	17.039	17.070	VV	515	7717	0.25%	0.010%
274	17.124	17.070	17.164	VV	3379	89986	2.93%	0.118%
275	17.175	17.164	17.194	VV	666	10508	0.34%	0.014%
276	17.215	17.194	17.271	VV	681	28062	0.91%	0.037%
277	17.363	17.271	17.401	VV	1594	69767	2.27%	0.092%
278	17.413	17.401	17.418	VV	726	6571	0.21%	0.009%
279	17.436	17.418	17.451	VV	987	17469	0.57%	0.023%
280	17.539	17.451	17.555	VV	1696	71773	2.34%	0.095%
281	17.575	17.555	17.627	VV	3271	77298	2.52%	0.102%
282	17.642	17.627	17.651	VV	1320	17384	0.57%	0.023%
283	17.686	17.651	17.735	VV	1961	71461	2.33%	0.094%
284	17.774	17.735	17.828	VV	1269	61666	2.01%	0.081%
285	17.860	17.828	17.880	VV	1395	35807	1.17%	0.047%
286	18.011	17.880	18.037	VV	5314	208865	6.80%	0.275%
287	18.056	18.037	18.071	VV	1855	35767	1.17%	0.047%
288	18.074	18.071	18.082	VV	1686	10305	0.34%	0.014%
289	18.150	18.082	18.223	VV	3835	198081	6.45%	0.261%
290	18.251	18.223	18.268	VV	1988	49270	1.60%	0.065%
291	18.290	18.268	18.313	VV	2397	57915	1.89%	0.076%
292	18.356	18.313	18.406	VV	2684	132947	4.33%	0.175%
293	18.432	18.406	18.456	VV	5346	105930	3.45%	0.139%
294	18.478	18.456	18.492	VV	3200	60771	1.98%	0.080%
295	18.518	18.492	18.542	VV	5258	116313	3.79%	0.153%
296	18.553	18.542	18.614	VV	2883	109663	3.57%	0.144%
297	18.713	18.614	18.764	VV	3279	257112	8.38%	0.339%
298	18.842	18.764	18.904	VV	7094	341848	11.14%	0.450%
299	18.940	18.904	18.967	VV	4567	146967	4.79%	0.194%

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300	18.987	18.967	19.010	VV	4433	104680	3.41%	0.138%
301	19.042	19.010	19.050	VV	4122	95008	3.09%	0.125%
302	19.126	19.050	19.158	VV	4786	285890	9.31%	0.376%
303	19.240	19.158	19.298	VV	7667	446206	14.54%	0.588%
304	19.340	19.298	19.380	VV	5577	255112	8.31%	0.336%
305	19.432	19.380	19.445	VV	5944	218788	7.13%	0.288%
306	19.451	19.445	19.466	VV	5927	75719	2.47%	0.100%
307	19.488	19.466	19.498	VV	5998	111285	3.63%	0.147%
308	19.625	19.498	19.698	VV	10089	849736	27.68%	1.119%
309	19.745	19.698	19.789	VV	7773	402383	13.11%	0.530%
310	19.926	19.789	19.935	VV	9246	713216	23.23%	0.939%
311	19.999	19.935	20.028	VV	12172	566686	18.46%	0.746%
312	20.046	20.028	20.068	VV	10304	242126	7.89%	0.319%
313	20.078	20.068	20.087	VV	9829	109869	3.58%	0.145%
314	20.276	20.087	20.286	VV	12828	1341896	43.71%	1.767%
315	20.366	20.286	20.391	VV	16242	877302	28.58%	1.155%
316	20.431	20.391	20.445	VV	14818	464504	15.13%	0.612%
317	20.449	20.445	20.489	VV	14763	386265	12.58%	0.509%
318	20.720	20.489	20.763	VV	19495	2713013	88.38%	3.573%
319	20.943	20.763	20.984	VV	19585	2474975	80.62%	3.259%
320	20.996	20.984	21.020	VV	19123	406460	13.24%	0.535%
321	21.033	21.020	21.039	VV	18912	210563	6.86%	0.277%
322	21.049	21.039	21.057	VV	18946	209899	6.84%	0.276%
323	21.091	21.057	21.122	VV	21039	774747	25.24%	1.020%
324	21.167	21.122	21.194	VV	19891	847934	27.62%	1.117%
325	21.313	21.194	21.398	VV	20041	2425451	79.01%	3.194%
326	21.509	21.398	21.554	VV	20985	1861490	60.64%	2.451%
327	21.612	21.554	21.629	VV	19656	885580	28.85%	1.166%
328	21.637	21.629	21.685	VV	19660	642205	20.92%	0.846%
329	21.758	21.685	21.800	VV	19248	1321760	43.06%	1.741%
330	21.837	21.800	21.850	VV	19113	573254	18.67%	0.755%
331	21.870	21.850	21.935	VV	19209	959622	31.26%	1.264%
332	21.978	21.935	22.019	VV	19895	968980	31.56%	1.276%
333	22.027	22.019	22.061	VV	18372	464914	15.14%	0.612%
334	22.164	22.061	22.226	VV	18595	1818752	59.25%	2.395%
335	22.235	22.226	22.301	VBA	18311	850934	27.72%	1.121%

Sum of corrected areas: 75938350

Aliphatic EPH 091024.M Fri Sep 20 02:14:13 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-14-7.5-10B		SDG No.:	P4103	
Lab Sample ID:	P4103-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.1	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014285.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	J	0.34	0.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.84		0.39	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	12.0		1.09	1.89	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.27	U	2.27	3.02	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.5		40 - 140	87%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-13	Acq On:	19 Sep 2024 21:55
Client Sample ID:	WC-14-7.5-10B	Operator:	YP\AJ
Data file:	FG014285.D	Misc:	
Instrument:	FID_G	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.376	6.245	648065	5.085	200	ug/ml
Aromatic C12-C16	6.246	8.944	4956986	37.569	300	ug/ml
Aromatic C16-C21	8.945	13.266	20579671	158.37	500	ug/ml
Aromatic C21-C36	13.267	18.723	3400349	26.966	800	ug/ml
Aromatic EPH	4.376	18.723	29585071	227.991		ug/ml
ortho-Terphenyl (SURR)	11.813	11.813	3312254	24.57		ug/ml
2-Bromonaphthalene (SURR)	7.873	7.873	4865965	43.49		ug/ml
2-Flurobiphenyl (SURR)	8.745	8.745	3267221	44.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014285.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:55
Operator : YP\AJ
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10B

Integration File: autoint1.e
Quant Time: Sep 20 02:47:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.873	4865965	43.493 ug/ml
Spiked Amount 50.000		Recovery =	86.99%
6) S 2-Flurobiphenyl (SURR)	8.745	3267221	44.875 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	89.75%
11) S ortho-Terphenyl (SURR)	11.813	3312254	24.572 ug/ml
Spiked Amount 50.000		Recovery =	49.14%
Target Compounds			

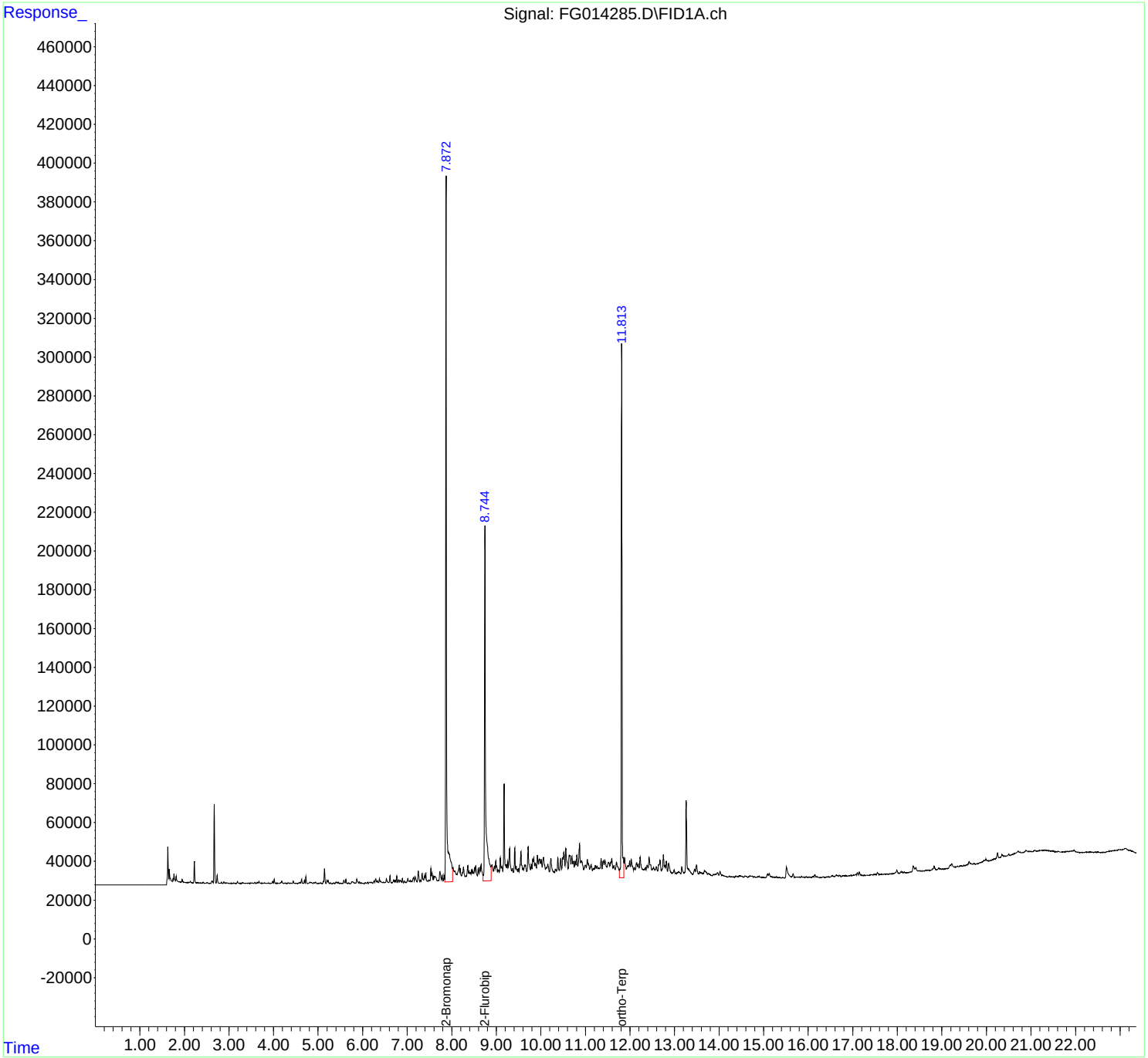
(f)=RT Delta > 1/2 Window (m)=manual int.

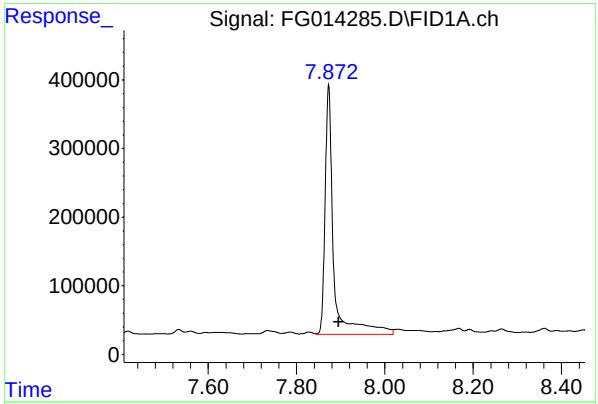
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014285.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:55
Operator : YP\AJ
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10B

Integration File: autoint1.e
Quant Time: Sep 20 02:47:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

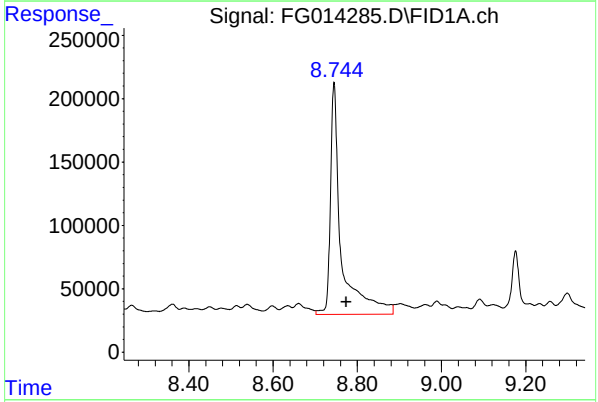




#4 2-Bromonaphthalene (SURR)

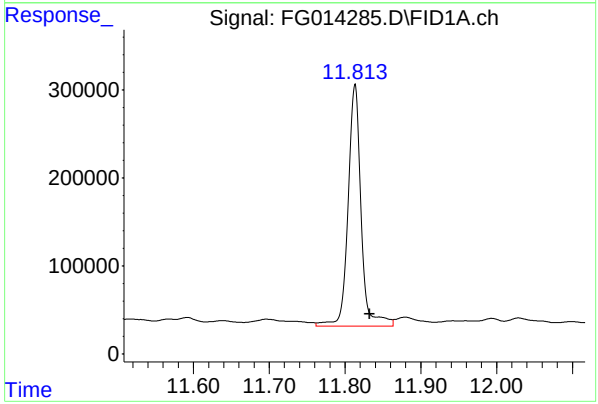
R.T.: 7.873 min
Delta R.T.: -0.023 min
Response: 4865965
Conc: 43.49 ug/ml

Instrument :
FID_G
ClientSampleId :
WC-14-7.5-10B



#6 2-Flurobiphenyl (SURR)

R.T.: 8.745 min
Delta R.T.: -0.030 min
Response: 3267221
Conc: 44.88 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.813 min
Delta R.T.: -0.019 min
Response: 3312254
Conc: 24.57 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014285.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:55
Sample : P4103-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.329	4.310	4.343	VV	432	4536	0.11%	0.011%
2	4.348	4.343	4.366	VV	242	2620	0.06%	0.006%
3	4.382	4.366	4.406	VV	384	5731	0.14%	0.014%
4	4.443	4.406	4.466	VV	1327	16457	0.39%	0.041%
5	4.477	4.466	4.495	VV	296	3157	0.08%	0.008%
6	4.517	4.495	4.535	VV	211	3169	0.08%	0.008%
7	4.569	4.535	4.581	VV	536	7093	0.17%	0.018%
8	4.595	4.581	4.608	VV	741	7759	0.19%	0.019%
9	4.630	4.608	4.672	VV	2375	31154	0.74%	0.077%
10	4.694	4.672	4.709	VV	1822	19258	0.46%	0.048%
11	4.727	4.709	4.760	VV	3657	39413	0.94%	0.097%
12	4.814	4.760	4.820	VV	803	10662	0.25%	0.026%
13	4.830	4.820	4.843	VV	834	9374	0.22%	0.023%
14	4.855	4.843	4.885	VV	625	10263	0.25%	0.025%
15	4.906	4.885	4.922	VV	609	9388	0.22%	0.023%
16	4.945	4.922	4.986	VV	784	14779	0.35%	0.037%
17	5.024	4.986	5.037	VV	440	5438	0.13%	0.013%
18	5.056	5.037	5.082	VV	545	6870	0.16%	0.017%
19	5.119	5.093	5.125	VV	1288	12014	0.29%	0.030%
20	5.144	5.125	5.176	VV	7830	95186	2.27%	0.235%
21	5.203	5.176	5.218	VV	1915	26143	0.62%	0.065%
22	5.228	5.218	5.251	VV	1534	17878	0.43%	0.044%
23	5.262	5.251	5.273	VV	390	4153	0.10%	0.010%
24	5.284	5.273	5.301	VV	398	3973	0.09%	0.010%
25	5.324	5.301	5.335	PV	189	2001	0.05%	0.005%
26	5.351	5.335	5.375	VV	573	6919	0.17%	0.017%
27	5.401	5.375	5.417	VV	967	13310	0.32%	0.033%
28	5.426	5.417	5.443	VV	643	8909	0.21%	0.022%
29	5.456	5.443	5.479	VV	662	9445	0.23%	0.023%
30	5.483	5.479	5.488	VV	316	1301	0.03%	0.003%
31	5.499	5.488	5.511	VV	358	3566	0.09%	0.009%
32	5.545	5.530	5.555	VV	341	3080	0.07%	0.008%
33	5.579	5.555	5.605	VV	1873	30026	0.72%	0.074%
34	5.625	5.605	5.646	VV	2350	27204	0.65%	0.067%
35	5.652	5.646	5.655	VV	301	1252	0.03%	0.003%
36	5.660	5.655	5.675	VV	374	3601	0.09%	0.009%

rteres

37	5.684	5.675	5.719	VV	610	7077	0.17%	0.017%
38	5.772	5.734	5.777	VV	1120	18256	0.44%	0.045%
39	5.779	5.777	5.797	VV	1115	10315	0.25%	0.025%
40	5.803	5.797	5.825	VV	656	7259	0.17%	0.018%
41	5.838	5.825	5.851	VV	445	5611	0.13%	0.014%
42	5.869	5.851	5.912	VV	2514	44361	1.06%	0.110%
43	5.926	5.912	5.942	VV	1047	11469	0.27%	0.028%
44	5.967	5.942	5.983	VV	576	9749	0.23%	0.024%
45	5.988	5.983	6.003	VV	351	3350	0.08%	0.008%
46	6.016	6.003	6.038	VV	379	4676	0.11%	0.012%
47	6.059	6.038	6.077	PV	746	9095	0.22%	0.022%
48	6.111	6.077	6.131	VV	763	13323	0.32%	0.033%
49	6.153	6.131	6.176	VV	839	16330	0.39%	0.040%
50	6.188	6.176	6.205	VV	736	10724	0.26%	0.027%
51	6.212	6.205	6.230	VV	612	6544	0.16%	0.016%
52	6.258	6.230	6.273	VV	1491	23358	0.56%	0.058%
53	6.294	6.273	6.318	VV	2546	42258	1.01%	0.104%
54	6.334	6.318	6.361	VV	1533	23809	0.57%	0.059%
55	6.379	6.361	6.394	VV	2602	31460	0.75%	0.078%
56	6.402	6.394	6.431	VV	1256	19626	0.47%	0.049%
57	6.438	6.431	6.450	VV	753	7519	0.18%	0.019%
58	6.465	6.450	6.497	VV	857	16298	0.39%	0.040%
59	6.535	6.497	6.590	VV	2429	54576	1.30%	0.135%
60	6.615	6.590	6.650	VV	4040	55351	1.32%	0.137%
61	6.654	6.650	6.664	VV	402	2683	0.06%	0.007%
62	6.698	6.664	6.715	VV	1925	31596	0.75%	0.078%
63	6.733	6.715	6.748	VV	1815	24805	0.59%	0.061%
64	6.767	6.748	6.788	VV	3843	47126	1.13%	0.116%
65	6.810	6.788	6.828	VV	1932	29281	0.70%	0.072%
66	6.843	6.828	6.853	VV	1623	18404	0.44%	0.045%
67	6.859	6.853	6.877	VV	1172	12958	0.31%	0.032%
68	6.893	6.877	6.915	VV	2651	29477	0.70%	0.073%
69	6.936	6.915	6.955	VV	1240	17356	0.41%	0.043%
70	6.971	6.955	6.985	VV	662	8314	0.20%	0.021%
71	7.015	6.985	7.031	VV	2427	37110	0.89%	0.092%
72	7.037	7.031	7.053	VV	1072	12324	0.29%	0.030%
73	7.068	7.053	7.084	VV	1626	20564	0.49%	0.051%
74	7.098	7.084	7.109	VV	1102	13866	0.33%	0.034%
75	7.142	7.109	7.162	VV	2991	62676	1.50%	0.155%
76	7.179	7.162	7.221	VV	3479	69942	1.67%	0.173%
77	7.250	7.221	7.282	VV	6264	106593	2.55%	0.263%
78	7.295	7.282	7.311	VV	1629	20325	0.49%	0.050%
79	7.336	7.311	7.370	VV	5028	93606	2.24%	0.231%
80	7.395	7.370	7.405	VV	3790	62061	1.48%	0.153%
81	7.418	7.405	7.448	VV	5282	70776	1.69%	0.175%
82	7.459	7.448	7.469	VV	1149	12803	0.31%	0.032%
83	7.489	7.469	7.509	VV	1558	30247	0.72%	0.075%
84	7.533	7.509	7.548	VV	7471	97489	2.33%	0.241%
85	7.560	7.548	7.580	VV	5039	69804	1.67%	0.173%
86	7.594	7.580	7.604	VV	3370	37598	0.90%	0.093%
87	7.615	7.604	7.625	VV	3348	39768	0.95%	0.098%
88	7.627	7.625	7.676	VV	3321	70709	1.69%	0.175%
89	7.706	7.676	7.713	VV	1284	25854	0.62%	0.064%

90	7.734	7.713	7.767	VV	5803	117941	2.82%	0.291%
91	7.786	7.767	7.806	VV	3812	56945	1.36%	0.141%
92	7.828	7.806	7.846	VV	3789	53439	1.28%	0.132%
93	7.873	7.846	7.919	VV	364057	4188051	100.00%	10.350%
94	7.927	7.919	8.017	VV	15955	719566	17.18%	1.778%
95	8.031	8.017	8.051	VV	7725	140711	3.36%	0.348%
96	8.064	8.051	8.105	VV	6033	174115	4.16%	0.430%
97	8.115	8.105	8.122	VV	4336	44538	1.06%	0.110%
98	8.167	8.122	8.180	VV	8920	220385	5.26%	0.545%
99	8.192	8.180	8.225	VV	7460	132333	3.16%	0.327%
100	8.242	8.225	8.249	VV	5189	66588	1.59%	0.165%
101	8.264	8.249	8.301	VV	8010	160310	3.83%	0.396%
102	8.316	8.301	8.330	VV	3435	56207	1.34%	0.139%
103	8.361	8.330	8.378	VV	8799	169742	4.05%	0.420%
104	8.389	8.378	8.405	VV	5783	82629	1.97%	0.204%
105	8.418	8.405	8.431	VV	5227	75800	1.81%	0.187%
106	8.450	8.431	8.464	VV	6700	111568	2.66%	0.276%
107	8.476	8.464	8.496	VV	5652	97845	2.34%	0.242%
108	8.513	8.496	8.524	VV	7598	103325	2.47%	0.255%
109	8.539	8.524	8.576	VV	8618	180607	4.31%	0.446%
110	8.598	8.576	8.614	VV	7413	125600	3.00%	0.310%
111	8.635	8.614	8.646	VV	7499	117759	2.81%	0.291%
112	8.661	8.646	8.702	VV	9308	209181	4.99%	0.517%
113	8.745	8.702	8.874	VV	183859	3287432	78.50%	8.125%
114	8.902	8.874	8.936	VV	8950	289482	6.91%	0.715%
115	8.961	8.936	8.974	VV	8331	160657	3.84%	0.397%
116	8.989	8.974	9.003	VV	11030	156933	3.75%	0.388%
117	9.008	9.003	9.026	VV	8068	94264	2.25%	0.233%
118	9.039	9.026	9.054	VV	6451	99263	2.37%	0.245%
119	9.059	9.054	9.070	VV	5847	54470	1.30%	0.135%
120	9.091	9.070	9.109	VV	12564	212695	5.08%	0.526%
121	9.123	9.109	9.146	VV	8200	160583	3.83%	0.397%
122	9.176	9.146	9.204	VV	50699	702330	16.77%	1.736%
123	9.210	9.204	9.221	VV	8939	87596	2.09%	0.216%
124	9.233	9.221	9.244	VV	8938	112266	2.68%	0.277%
125	9.258	9.244	9.272	VV	10659	149603	3.57%	0.370%
126	9.299	9.272	9.343	VV	17300	441255	10.54%	1.091%
127	9.360	9.343	9.383	VV	6743	143431	3.42%	0.354%
128	9.415	9.383	9.435	VV	17464	302654	7.23%	0.748%
129	9.446	9.435	9.461	VV	8095	114857	2.74%	0.284%
130	9.470	9.461	9.483	VV	6219	75220	1.80%	0.186%
131	9.497	9.483	9.511	VV	6700	102497	2.45%	0.253%
132	9.531	9.511	9.536	VV	8787	102800	2.45%	0.254%
133	9.553	9.536	9.590	VV	15546	333739	7.97%	0.825%
134	9.603	9.590	9.614	VV	6950	93952	2.24%	0.232%
135	9.637	9.614	9.649	VV	8643	157311	3.76%	0.389%
136	9.657	9.649	9.681	VV	8436	136069	3.25%	0.336%
137	9.714	9.681	9.768	VV	18096	489987	11.70%	1.211%
138	9.786	9.768	9.801	VV	8982	154340	3.69%	0.381%
139	9.819	9.801	9.830	VV	11537	165816	3.96%	0.410%
140	9.842	9.830	9.861	VV	12410	192934	4.61%	0.477%
141	9.877	9.861	9.903	VV	9500	210964	5.04%	0.521%

142	9.923	9.903	9.946	VV	13662	277663	6.63%	0.686%
143	9.962	9.946	9.968	VV	11348	138016	3.30%	0.341%
144	9.971	9.968	9.988	VV	11435	124963	2.98%	0.309%
145	10.011	9.988	10.029	VV	11429	243165	5.81%	0.601%
146	10.058	10.029	10.103	VV	12462	422675	10.09%	1.045%
147	10.122	10.103	10.135	VV	7243	129743	3.10%	0.321%
148	10.157	10.135	10.190	VV	8875	241466	5.77%	0.597%
149	10.224	10.190	10.275	VV	11795	380907	9.10%	0.941%
150	10.285	10.275	10.306	VV	5096	91224	2.18%	0.225%
151	10.328	10.306	10.352	VV	6249	150383	3.59%	0.372%
152	10.382	10.352	10.416	VV	12040	283431	6.77%	0.700%
153	10.446	10.416	10.467	VV	11688	262275	6.26%	0.648%
154	10.491	10.467	10.498	VV	12199	177810	4.25%	0.439%
155	10.516	10.498	10.542	VV	14896	311268	7.43%	0.769%
156	10.560	10.542	10.611	VV	16921	463778	11.07%	1.146%
157	10.637	10.611	10.646	VV	13474	220737	5.27%	0.546%
158	10.654	10.646	10.675	VV	13206	202035	4.82%	0.499%
159	10.696	10.675	10.715	VV	12881	253047	6.04%	0.625%
160	10.732	10.715	10.749	VV	10271	184856	4.41%	0.457%
161	10.772	10.749	10.787	VV	10202	204200	4.88%	0.505%
162	10.807	10.787	10.828	VV	13380	254028	6.07%	0.628%
163	10.868	10.828	10.893	VV	19351	491538	11.74%	1.215%
164	10.917	10.893	10.960	VV	10285	352470	8.42%	0.871%
165	11.002	10.960	11.018	VV	8155	247163	5.90%	0.611%
166	11.043	11.018	11.068	VV	11031	269744	6.44%	0.667%
167	11.073	11.068	11.093	VV	8632	117009	2.79%	0.289%
168	11.130	11.093	11.159	VV	8237	268955	6.42%	0.665%
169	11.182	11.159	11.189	VV	6383	105947	2.53%	0.262%
170	11.191	11.189	11.202	VV	6200	48253	1.15%	0.119%
171	11.221	11.202	11.241	VV	7932	164007	3.92%	0.405%
172	11.262	11.241	11.281	VV	7646	165546	3.95%	0.409%
173	11.287	11.281	11.290	VV	6360	35703	0.85%	0.088%
174	11.300	11.290	11.313	VV	6581	85711	2.05%	0.212%
175	11.352	11.313	11.374	VV	11599	297538	7.10%	0.735%
176	11.398	11.374	11.421	VV	10129	251172	6.00%	0.621%
177	11.437	11.421	11.483	VV	10920	318898	7.61%	0.788%
178	11.516	11.483	11.549	VV	9486	329912	7.88%	0.815%
179	11.568	11.549	11.577	VV	9559	147756	3.53%	0.365%
180	11.592	11.577	11.618	VV	11324	222355	5.31%	0.550%
181	11.638	11.618	11.667	VV	7623	194482	4.64%	0.481%
182	11.696	11.667	11.725	VV	9397	265387	6.34%	0.656%
183	11.730	11.725	11.763	VV	7010	141480	3.38%	0.350%
184	11.813	11.763	11.863	VV	276686	3390501	80.96%	8.379%
185	11.880	11.863	11.920	VV	11581	290977	6.95%	0.719%
186	11.943	11.920	11.948	VV	7425	115161	2.75%	0.285%
187	11.959	11.948	11.972	VV	7419	103625	2.47%	0.256%
188	11.993	11.972	12.010	VV	10249	195989	4.68%	0.484%
189	12.029	12.010	12.077	VV	10674	315553	7.53%	0.780%
190	12.098	12.077	12.120	VV	6554	149823	3.58%	0.370%
191	12.147	12.120	12.171	VV	8982	235300	5.62%	0.582%
192	12.186	12.171	12.206	VV	8277	155629	3.72%	0.385%
193	12.227	12.206	12.320	VV	11954	478098	11.42%	1.182%
194	12.346	12.320	12.360	VV	6391	141337	3.37%	0.349%

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195	12.384	12.360	12.408	VV	7770	192637	4.60%	0.476%
196	12.428	12.408	12.454	VV	11706	248924	5.94%	0.615%
197	12.460	12.454	12.490	VV	7886	147292	3.52%	0.364%
198	12.525	12.490	12.560	VV	6538	240488	5.74%	0.594%
199	12.591	12.560	12.620	VV	6790	205362	4.90%	0.508%
200	12.647	12.620	12.651	VV	7866	119043	2.84%	0.294%
201	12.674	12.651	12.703	VV	10195	241372	5.76%	0.597%
202	12.749	12.703	12.771	VV	13022	322843	7.71%	0.798%
203	12.783	12.771	12.798	VV	7594	113753	2.72%	0.281%
204	12.815	12.798	12.843	VV	9611	190086	4.54%	0.470%
205	12.866	12.843	12.945	VV	8369	327854	7.83%	0.810%
206	12.992	12.945	13.018	VV	5162	171028	4.08%	0.423%
207	13.028	13.018	13.036	VV	3380	35831	0.86%	0.089%
208	13.062	13.036	13.075	VV	3764	81158	1.94%	0.201%
209	13.091	13.075	13.103	VV	4099	63649	1.52%	0.157%
210	13.108	13.103	13.140	VV	3822	76577	1.83%	0.189%
211	13.162	13.140	13.216	VV	6494	197829	4.72%	0.489%
212	13.261	13.216	13.296	VV	40719	675271	16.12%	1.669%
213	13.302	13.296	13.375	VV	5688	219139	5.23%	0.542%
214	13.379	13.375	13.411	VV	3262	61118	1.46%	0.151%
215	13.450	13.411	13.467	VV	5286	138155	3.30%	0.341%
216	13.492	13.467	13.545	VV	7438	223693	5.34%	0.553%
217	13.561	13.545	13.578	VV	4027	65940	1.57%	0.163%
218	13.592	13.578	13.622	VV	3666	87039	2.08%	0.215%
219	13.639	13.622	13.651	VV	3144	53432	1.28%	0.132%
220	13.670	13.651	13.710	VV	4559	138276	3.30%	0.342%
221	13.714	13.710	13.736	VV	3647	50700	1.21%	0.125%
222	13.759	13.736	13.848	VV	3058	162589	3.88%	0.402%
223	13.873	13.848	13.891	VV	2473	57303	1.37%	0.142%
224	13.909	13.891	13.914	VV	2428	32370	0.77%	0.080%
225	13.965	13.914	13.998	VV	3427	133385	3.18%	0.330%
226	14.020	13.998	14.063	VV	4002	107901	2.58%	0.267%
227	14.074	14.063	14.100	VV	2067	40873	0.98%	0.101%
228	14.106	14.100	14.125	VV	1706	24032	0.57%	0.059%
229	14.130	14.125	14.158	VV	1479	27405	0.65%	0.068%
230	14.161	14.158	14.190	VV	1357	21143	0.50%	0.052%
231	14.211	14.190	14.222	VV	1325	22352	0.53%	0.055%
232	14.230	14.222	14.264	VV	1362	30073	0.72%	0.074%
233	14.272	14.264	14.283	VV	1088	11511	0.27%	0.028%
234	14.287	14.283	14.302	VV	1057	11574	0.28%	0.029%
235	14.318	14.302	14.335	VV	1201	20066	0.48%	0.050%
236	14.377	14.335	14.408	VV	1632	52144	1.25%	0.129%
237	14.419	14.408	14.433	VV	1200	17211	0.41%	0.043%
238	14.464	14.433	14.485	VV	1726	44932	1.07%	0.111%
239	14.490	14.485	14.548	VV	1404	45615	1.09%	0.113%
240	14.583	14.548	14.621	VV	1551	52357	1.25%	0.129%
241	14.622	14.621	14.648	VV	1156	14599	0.35%	0.036%
242	14.663	14.648	14.668	VV	1075	11234	0.27%	0.028%
243	14.693	14.668	14.730	VV	1512	47850	1.14%	0.118%
244	14.741	14.730	14.761	VV	1337	22111	0.53%	0.055%
245	14.778	14.761	14.814	VV	1095	27902	0.67%	0.069%
246	14.828	14.814	14.848	VV	828	15706	0.38%	0.039%

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247	14.874	14.848	14.884	VV	1025	20621	0.49%	0.051%
248	14.899	14.884	14.919	VV	1163	19246	0.46%	0.048%
249	14.931	14.919	14.948	VV	822	11722	0.28%	0.029%
250	14.968	14.948	14.973	VV	630	8486	0.20%	0.021%
251	14.977	14.973	14.992	VV	587	6210	0.15%	0.015%
252	14.999	14.992	15.010	VV	514	4950	0.12%	0.012%
253	15.026	15.010	15.036	VV	480	6978	0.17%	0.017%
254	15.086	15.036	15.108	VV	2172	56775	1.36%	0.140%
255	15.124	15.108	15.153	VV	2624	48828	1.17%	0.121%
256	15.170	15.153	15.197	VV	1064	21992	0.53%	0.054%
257	15.209	15.197	15.224	VV	691	10113	0.24%	0.025%
258	15.233	15.224	15.252	VV	710	9758	0.23%	0.024%
259	15.263	15.252	15.274	VV	553	6578	0.16%	0.016%
260	15.289	15.274	15.320	VV	896	15173	0.36%	0.037%
261	15.325	15.320	15.343	VV	394	4752	0.11%	0.012%
262	15.364	15.343	15.389	VV	472	9776	0.23%	0.024%
263	15.396	15.389	15.404	VV	298	1909	0.05%	0.005%
264	15.420	15.404	15.426	VV	319	3094	0.07%	0.008%
265	15.433	15.426	15.463	VV	336	4616	0.11%	0.011%
266	15.510	15.463	15.618	VV	5796	192763	4.60%	0.476%
267	15.660	15.618	15.689	VV	2217	48226	1.15%	0.119%
268	15.694	15.689	15.713	VV	640	6994	0.17%	0.017%
269	15.733	15.713	15.740	VV	556	7081	0.17%	0.017%
270	15.743	15.740	15.747	VV	561	2435	0.06%	0.006%
271	15.763	15.747	15.774	VV	588	8322	0.20%	0.021%
272	15.786	15.774	15.805	VV	536	8520	0.20%	0.021%
273	15.807	15.805	15.814	VV	481	2280	0.05%	0.006%
274	15.849	15.814	15.871	VV	836	17757	0.42%	0.044%
275	15.881	15.871	15.912	VV	498	10229	0.24%	0.025%
276	15.918	15.912	15.926	VV	396	2799	0.07%	0.007%
277	15.933	15.926	15.938	VV	388	2475	0.06%	0.006%
278	15.960	15.938	15.980	VV	565	11196	0.27%	0.028%
279	15.991	15.980	15.997	VV	428	3724	0.09%	0.009%
280	16.007	15.997	16.017	VV	463	5113	0.12%	0.013%
281	16.037	16.017	16.070	VV	504	11677	0.28%	0.029%
282	16.108	16.070	16.124	VV	881	17027	0.41%	0.042%
283	16.147	16.124	16.180	VV	1747	32935	0.79%	0.081%
284	16.195	16.180	16.210	VV	605	8513	0.20%	0.021%
285	16.214	16.210	16.253	VV	353	5965	0.14%	0.015%
286	16.291	16.268	16.303	PV	115	1502	0.04%	0.004%
287	16.337	16.303	16.360	PV	381	8072	0.19%	0.020%
288	16.375	16.368	16.382	VV	154	1075	0.03%	0.003%
289	16.399	16.392	16.408	VV	197	1307	0.03%	0.003%
290	16.433	16.408	16.483	VV	291	8662	0.21%	0.021%
291	16.531	16.483	16.572	VV	856	25130	0.60%	0.062%
292	16.586	16.572	16.595	VV	444	5250	0.13%	0.013%
293	16.626	16.595	16.656	VV	978	26130	0.62%	0.065%
294	16.661	16.656	16.693	VV	697	11616	0.28%	0.029%
295	16.710	16.693	16.736	VV	815	12959	0.31%	0.032%
296	16.751	16.736	16.758	VV	348	3787	0.09%	0.009%
297	16.789	16.758	16.802	VV	565	11348	0.27%	0.028%
298	16.822	16.802	16.840	VV	501	8872	0.21%	0.022%
299	16.846	16.840	16.861	VV	378	3740	0.09%	0.009%

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300	16.873	16.861	16.884	VV	228	2526	0.06%	0.006%
301	16.909	16.884	16.924	VV	391	7182	0.17%	0.018%
302	16.945	16.924	16.950	VV	511	6751	0.16%	0.017%
303	16.955	16.950	16.986	VV	513	8949	0.21%	0.022%
304	17.014	16.986	17.042	VV	733	17931	0.43%	0.044%
305	17.063	17.042	17.078	VV	987	16840	0.40%	0.042%
306	17.101	17.078	17.122	VV	1753	30627	0.73%	0.076%
307	17.145	17.122	17.178	VV	2174	40387	0.96%	0.100%
308	17.183	17.178	17.194	VV	503	3849	0.09%	0.010%
309	17.211	17.194	17.235	VV	396	6122	0.15%	0.015%
310	17.250	17.235	17.266	VV	246	3297	0.08%	0.008%
311	17.280	17.275	17.292	VV	241	1849	0.04%	0.005%
312	17.308	17.292	17.316	VV	217	2383	0.06%	0.006%
313	17.327	17.316	17.352	VV	328	3897	0.09%	0.010%
314	17.402	17.352	17.407	PV	336	6198	0.15%	0.015%
315	17.413	17.407	17.418	VV	340	1891	0.05%	0.005%
316	17.424	17.418	17.445	VV	355	4088	0.10%	0.010%
317	17.449	17.445	17.454	VV	235	1030	0.02%	0.003%
318	17.493	17.454	17.522	VV	491	14089	0.34%	0.035%
319	17.554	17.522	17.603	VV	1182	25925	0.62%	0.064%
320	17.619	17.603	17.628	VV	194	1963	0.05%	0.005%
321	17.646	17.634	17.661	VV	333	3632	0.09%	0.009%
322	17.679	17.661	17.687	VV	195	2078	0.05%	0.005%
323	17.709	17.687	17.725	VV	294	4565	0.11%	0.011%
324	17.730	17.725	17.743	VV	183	1614	0.04%	0.004%
325	17.759	17.743	17.781	VV	267	4404	0.11%	0.011%
326	17.797	17.792	17.814	VV	157	1426	0.03%	0.004%
327	17.831	17.814	17.837	VV	198	2144	0.05%	0.005%
328	17.868	17.850	17.875	PV	111	1144	0.03%	0.003%
329	17.881	17.875	17.898	VV	214	1230	0.03%	0.003%
330	17.930	17.911	17.935	VV	293	2853	0.07%	0.007%
331	17.989	17.935	18.019	VV	1973	42636	1.02%	0.105%
332	18.034	18.019	18.055	VV	206	3082	0.07%	0.008%
333	18.082	18.055	18.103	VV	917	16233	0.39%	0.040%
334	18.119	18.103	18.135	VV	631	8225	0.20%	0.020%
335	18.157	18.135	18.172	VV	472	8069	0.19%	0.020%
336	18.179	18.172	18.194	VV	259	1962	0.05%	0.005%
337	18.212	18.194	18.219	VV	196	1912	0.05%	0.005%
338	18.300	18.242	18.313	PV	403	9951	0.24%	0.025%
339	18.357	18.313	18.394	VV	3221	84579	2.02%	0.209%
340	18.414	18.394	18.468	VV	2387	57169	1.37%	0.141%
341	18.482	18.468	18.497	VV	550	7595	0.18%	0.019%
342	18.502	18.497	18.515	VV	380	3451	0.08%	0.009%
343	18.519	18.515	18.529	VV	297	1842	0.04%	0.005%
344	18.535	18.529	18.542	VV	199	1299	0.03%	0.003%
345	18.560	18.542	18.601	VV	213	4045	0.10%	0.010%
346	18.635	18.601	18.656	VV	396	7022	0.17%	0.017%
347	18.691	18.656	18.717	VV	339	9625	0.23%	0.024%
348	18.726	18.717	18.751	PBA	174	4633	0.11%	0.011%

Sum of corrected areas: 40462850

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

Report of Analysis

Client:	ENTACT			Date Collected:	09/17/24
Project:	North Point			Date Received:	09/18/24
Client Sample ID:	WC-23			SDG No.:	P4103
Lab Sample ID:	P4103-16			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86
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
09/19/24 12:25	09/19/24 22:31	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	20.0		1	0.44	1.16	mg/kg	FC067182.D
Aliphatic C12-C16	Aliphatic C12-C16	41.5		5	1.39	3.87	mg/kg	FC067197.D
Aliphatic C16-C21	Aliphatic C16-C21	10.4		1	0.35	1.16	mg/kg	FC067182.D
Aliphatic C21-C28	Aliphatic C21-C28	1.36	J	1	0.93	1.55	mg/kg	FC067182.D
Aliphatic C28-C40	Aliphatic C28-C40	6.46		1	2.09	2.32	mg/kg	FC067182.D
Aromatic C10-C12	Aromatic C10-C12	6.32		1	0.35	0.77	mg/kg	FD048337.D
Aromatic C12-C16	Aromatic C12-C16	13.4		1	0.40	1.16	mg/kg	FD048337.D
Aromatic C16-C21	Aromatic C16-C21	10.5		1	1.12	1.94	mg/kg	FD048337.D
Aromatic C21-C36	Aromatic C21-C36	2.82	J	1	2.32	3.10	mg/kg	FD048337.D
Total AliphaticEPH	Total AliphaticEPH	79.7			5.20	10.1	mg/kg	
Total AromaticEPH	Total AromaticEPH	33.0			4.18	6.97	mg/kg	
Total EPH	Total EPH	113			9.38	17.0	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:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-23		SDG No.:	P4103	
Lab Sample ID:	P4103-16		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
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
FC067182.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	20.0		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	44.0	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.4		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.36	J	0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.46		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-16	Acq On:	19 Sep 2024 22:31
Client Sample ID:	WC-23	Operator:	YP/AJ
Data file:	FC067182.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	3.177	6.459	34565628	258.718	300	ug/ml
Aliphatic C12-C16	6.460	9.852	73206371	567.928	200	ug/ml
Aliphatic C16-C21	9.853	13.212	16288124	133.93	300	ug/ml
Aliphatic C21-C28	13.213	16.869	1961506	17.519	400	ug/ml
Aliphatic C28-C40	16.870	21.722	7367411	83.473	600	ug/ml
Aliphatic EPH	3.177	21.722	133389040	1060		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.945	12.945	3772622	38.62		ug/ml
Aliphatic C9-C28	3.177	16.869	126021629	978.095	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067182.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 22:31
Operator : YP/AJ
Sample : P4103-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23

Integration File: autoint1.e
Quant Time: Sep 20 03:53:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.945	3772622	38.620 ug/ml
Spiked Amount 50.000		Recovery = 77.24%	
Target Compounds			

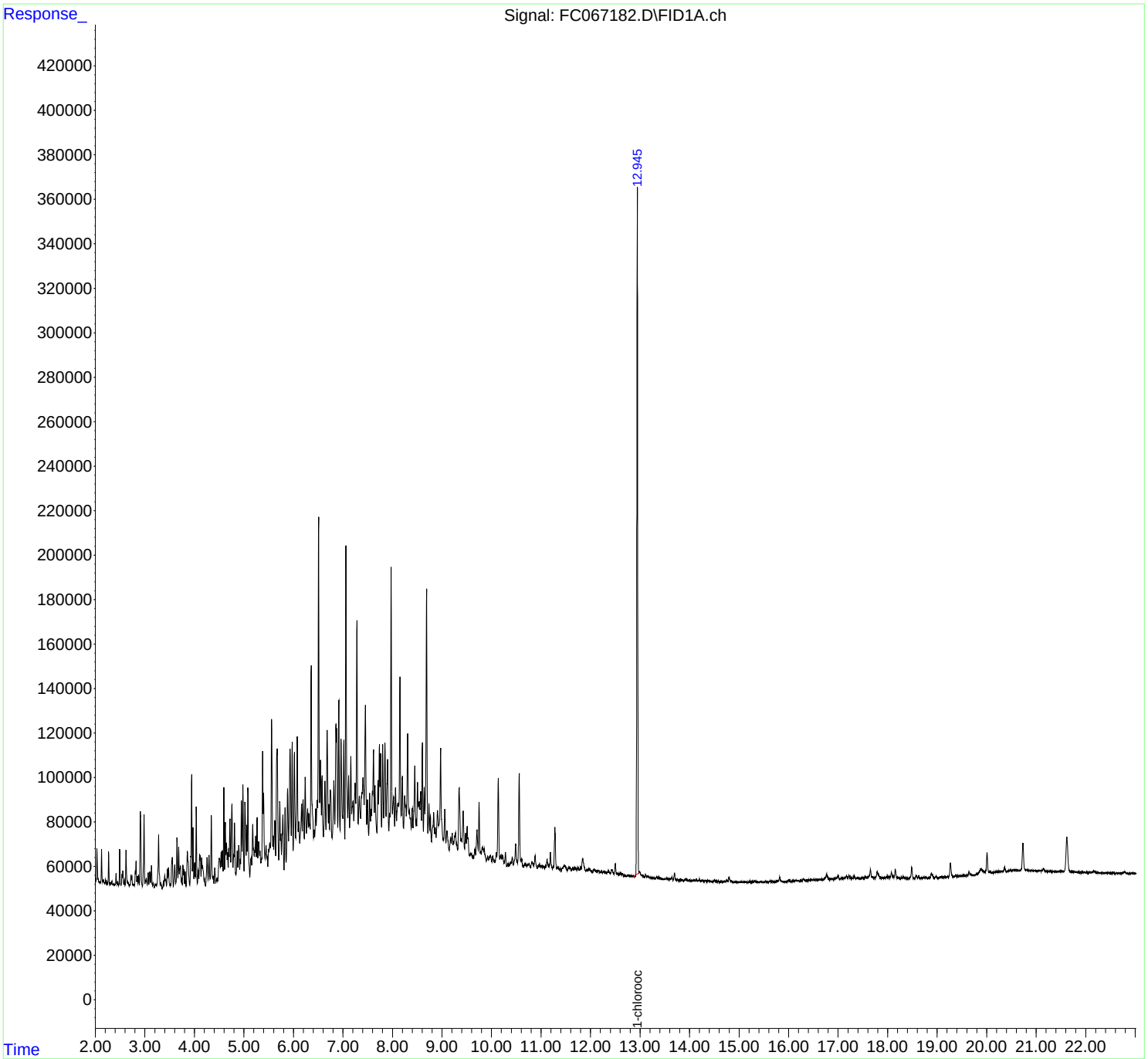
(f)=RT Delta > 1/2 Window (m)=manual int.

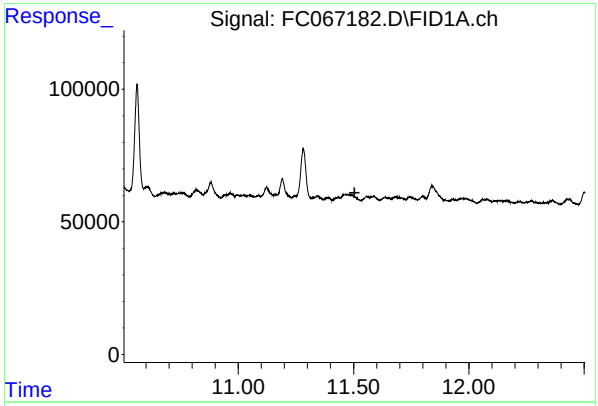
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067182.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 22:31
Operator : YP/AJ
Sample : P4103-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23

Integration File: autoint1.e
Quant Time: Sep 20 03:53:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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

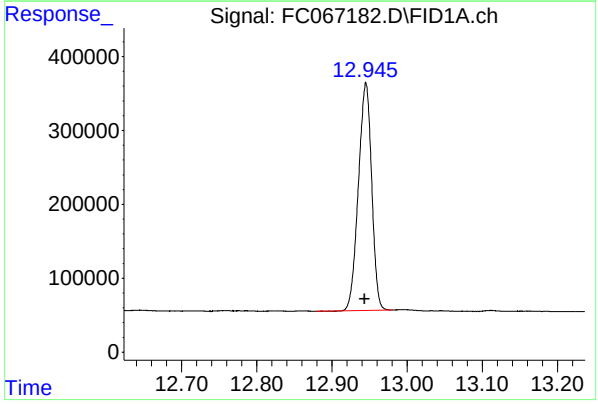




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.504 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WC-23



#12 1-chlorooctadecane (SURR)

R.T.: 12.945 min
Delta R.T.: 0.002 min
Response: 3772622
Conc: 38.62 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067182.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 22:31
Sample : P4103-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.277	3.205	3.311	BV	23253	312076	7.81%	0.227%
2	3.322	3.311	3.352	VV	2026	24107	0.60%	0.018%
3	3.375	3.352	3.386	PV	3087	27353	0.68%	0.020%
4	3.401	3.386	3.413	VV	5584	60388	1.51%	0.044%
5	3.420	3.413	3.437	VV	3752	39800	1.00%	0.029%
6	3.454	3.437	3.465	VV	8433	82947	2.08%	0.060%
7	3.478	3.465	3.506	VV	9208	117754	2.95%	0.086%
8	3.515	3.506	3.525	VV	1759	15086	0.38%	0.011%
9	3.554	3.525	3.575	VV	13820	227759	5.70%	0.166%
10	3.603	3.575	3.625	VV	10297	150550	3.77%	0.110%
11	3.649	3.625	3.667	VV	22419	252399	6.32%	0.184%
12	3.684	3.667	3.698	VV	18483	197108	4.93%	0.143%
13	3.718	3.698	3.753	VV	9852	197490	4.94%	0.144%
14	3.769	3.753	3.779	VV	10137	98481	2.47%	0.072%
15	3.787	3.779	3.802	VV	8313	77161	1.93%	0.056%
16	3.815	3.802	3.832	VV	7205	69493	1.74%	0.051%
17	3.859	3.832	3.905	VV	16369	348190	8.72%	0.253%
18	3.944	3.905	3.959	VV	50637	614697	15.39%	0.447%
19	3.971	3.959	3.990	VV	26858	272222	6.82%	0.198%
20	4.004	3.990	4.019	VV	11171	128245	3.21%	0.093%
21	4.038	4.019	4.059	VV	36444	366569	9.18%	0.267%
22	4.078	4.059	4.090	VV	7903	96507	2.42%	0.070%
23	4.106	4.090	4.134	VV	15048	280226	7.02%	0.204%
24	4.148	4.134	4.159	VV	13342	148883	3.73%	0.108%
25	4.165	4.159	4.223	VV	9913	196911	4.93%	0.143%
26	4.256	4.223	4.278	VV	13343	218637	5.47%	0.159%
27	4.295	4.278	4.318	VV	14452	196436	4.92%	0.143%
28	4.342	4.318	4.369	VV	32237	403364	10.10%	0.294%
29	4.380	4.369	4.394	VV	5192	61722	1.55%	0.045%
30	4.412	4.394	4.433	VV	8787	117498	2.94%	0.086%
31	4.460	4.433	4.472	VV	4038	76463	1.91%	0.056%
32	4.507	4.472	4.525	VV	12949	308698	7.73%	0.225%
33	4.540	4.525	4.553	VV	16025	208708	5.23%	0.152%
34	4.566	4.553	4.579	VV	16516	200488	5.02%	0.146%
35	4.596	4.579	4.611	VV	44588	446410	11.18%	0.325%
36	4.625	4.611	4.638	VV	29215	331375	8.30%	0.241%

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37	4.649	4.638	4.663	VV	19976	246855	6.18%	0.180%
38	4.671	4.663	4.682	VV	15795	148774	3.72%	0.108%
39	4.718	4.682	4.735	VV	30742	588966	14.75%	0.429%
40	4.758	4.735	4.780	VV	37351	625029	15.65%	0.455%
41	4.811	4.780	4.841	VV	28993	518139	12.97%	0.377%
42	4.865	4.841	4.878	VV	16299	238914	5.98%	0.174%
43	4.896	4.878	4.916	VV	18826	315756	7.91%	0.230%
44	4.950	4.916	4.965	VV	38446	571095	14.30%	0.416%
45	4.981	4.965	5.003	VV	46024	584189	14.63%	0.425%
46	5.022	5.003	5.045	VV	38054	604684	15.14%	0.440%
47	5.057	5.045	5.067	VV	27564	288002	7.21%	0.210%
48	5.082	5.067	5.120	VV	44568	636344	15.93%	0.463%
49	5.146	5.120	5.159	VV	13184	243323	6.09%	0.177%
50	5.178	5.159	5.208	VV	28242	543475	13.61%	0.396%
51	5.238	5.208	5.251	VV	22847	465227	11.65%	0.339%
52	5.267	5.251	5.283	VV	31352	402822	10.09%	0.293%
53	5.298	5.283	5.344	VV	20405	585182	14.65%	0.426%
54	5.378	5.344	5.427	VV	60735	1356415	33.96%	0.987%
55	5.447	5.427	5.483	VV	18814	483206	12.10%	0.352%
56	5.522	5.483	5.535	VV	19600	508932	12.74%	0.370%
57	5.560	5.535	5.603	VV	75178	1447149	36.23%	1.053%
58	5.625	5.603	5.642	VV	29863	527217	13.20%	0.384%
59	5.672	5.642	5.704	VV	61582	1403964	35.15%	1.022%
60	5.725	5.704	5.759	VV	38414	765531	19.17%	0.557%
61	5.787	5.759	5.811	VV	32461	661052	16.55%	0.481%
62	5.832	5.811	5.853	VV	35616	518809	12.99%	0.378%
63	5.883	5.853	5.902	VV	44193	799578	20.02%	0.582%
64	5.933	5.902	5.956	VV	61611	1309409	32.78%	0.953%
65	5.975	5.956	5.996	VV	64801	877730	21.98%	0.639%
66	6.020	5.996	6.045	VV	60201	1065000	26.66%	0.775%
67	6.078	6.045	6.128	VV	67432	1686742	42.23%	1.228%
68	6.165	6.128	6.180	VV	37021	860971	21.56%	0.627%
69	6.195	6.180	6.219	VV	39125	746461	18.69%	0.543%
70	6.239	6.219	6.263	VV	49093	878924	22.01%	0.640%
71	6.287	6.263	6.302	VV	34950	698433	17.49%	0.508%
72	6.313	6.302	6.337	VV	32640	615271	15.40%	0.448%
73	6.359	6.337	6.408	VV	98858	1909113	47.80%	1.390%
74	6.419	6.408	6.431	VV	25423	319615	8.00%	0.233%
75	6.449	6.431	6.462	VV	34925	547129	13.70%	0.398%
76	6.508	6.462	6.532	VV	165077	2729673	68.34%	1.987%
77	6.547	6.532	6.567	VV	56761	930188	23.29%	0.677%
78	6.579	6.567	6.607	VV	49730	830298	20.79%	0.604%
79	6.636	6.607	6.657	VV	47023	1043666	26.13%	0.760%
80	6.682	6.657	6.706	VV	69917	1388273	34.76%	1.011%
81	6.716	6.706	6.728	VV	36898	428884	10.74%	0.312%
82	6.747	6.728	6.780	VV	43089	1059032	26.51%	0.771%
83	6.817	6.780	6.837	VV	47208	1104860	27.66%	0.804%
84	6.859	6.837	6.868	VV	72791	1000887	25.06%	0.729%
85	6.875	6.868	6.897	VV	71105	909458	22.77%	0.662%
86	6.917	6.897	6.942	VV	83712	1318779	33.02%	0.960%
87	6.963	6.942	6.996	VV	65477	1403594	35.14%	1.022%
88	7.018	6.996	7.038	VV	65410	1059165	26.52%	0.771%
89	7.061	7.038	7.099	VV	153740	2444610	61.20%	1.779%

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90	7.116	7.099	7.136	VV	49512	840985	21.06%	0.612%
91	7.160	7.136	7.179	VV	58580	1052849	26.36%	0.766%
92	7.204	7.179	7.220	VV	38264	873885	21.88%	0.636%
93	7.246	7.220	7.260	VV	45930	923333	23.12%	0.672%
94	7.283	7.260	7.308	VV	119003	1844364	46.18%	1.342%
95	7.332	7.308	7.358	VV	40502	1027932	25.74%	0.748%
96	7.405	7.358	7.429	VV	48543	1763136	44.14%	1.283%
97	7.454	7.429	7.481	VV	81667	1670120	41.81%	1.216%
98	7.497	7.481	7.521	VV	38588	749762	18.77%	0.546%
99	7.541	7.521	7.558	VV	41413	729020	18.25%	0.531%
100	7.618	7.558	7.635	VV	60991	1915358	47.95%	1.394%
101	7.648	7.635	7.686	VV	45190	1025488	25.67%	0.746%
102	7.709	7.686	7.720	VV	47374	763134	19.11%	0.555%
103	7.737	7.720	7.750	VV	63621	902253	22.59%	0.657%
104	7.760	7.750	7.781	VV	59622	829988	20.78%	0.604%
105	7.804	7.781	7.823	VV	63089	1095696	27.43%	0.798%
106	7.850	7.823	7.872	VV	64099	1310547	32.81%	0.954%
107	7.903	7.872	7.928	VV	57026	1380144	34.55%	1.005%
108	7.975	7.928	8.000	VV	143498	2450310	61.35%	1.784%
109	8.023	8.000	8.045	VV	39567	953258	23.87%	0.694%
110	8.062	8.045	8.084	VV	44122	818240	20.49%	0.596%
111	8.117	8.084	8.127	VV	37113	897868	22.48%	0.654%
112	8.153	8.127	8.178	VV	93527	1660488	41.57%	1.209%
113	8.201	8.178	8.223	VV	49506	1014840	25.41%	0.739%
114	8.248	8.223	8.281	VV	40361	1191227	29.82%	0.867%
115	8.309	8.281	8.334	VV	68278	1445171	36.18%	1.052%
116	8.343	8.334	8.381	VV	33921	859081	21.51%	0.625%
117	8.399	8.381	8.416	VV	34432	630345	15.78%	0.459%
118	8.452	8.416	8.472	VV	53630	1257741	31.49%	0.915%
119	8.480	8.472	8.490	VV	29482	300744	7.53%	0.219%
120	8.508	8.490	8.521	VV	46336	708972	17.75%	0.516%
121	8.540	8.521	8.553	VV	37464	694407	17.39%	0.505%
122	8.571	8.553	8.586	VV	42311	746227	18.68%	0.543%
123	8.605	8.586	8.626	VV	63774	1039992	26.04%	0.757%
124	8.643	8.626	8.657	VV	43976	654521	16.39%	0.476%
125	8.690	8.657	8.716	VV	132447	2251128	56.36%	1.639%
126	8.739	8.716	8.754	VV	36883	680272	17.03%	0.495%
127	8.766	8.754	8.789	VV	31068	541368	13.55%	0.394%
128	8.835	8.789	8.853	VV	32608	1007840	25.23%	0.734%
129	8.865	8.853	8.883	VV	25568	433599	10.86%	0.316%
130	8.911	8.883	8.938	VV	33777	942690	23.60%	0.686%
131	8.974	8.938	9.025	VV	61527	1761672	44.11%	1.282%
132	9.058	9.025	9.082	VV	34119	849882	21.28%	0.619%
133	9.102	9.082	9.145	VV	24351	778217	19.48%	0.566%
134	9.176	9.145	9.189	VV	21369	501431	12.55%	0.365%
135	9.208	9.189	9.226	VV	23244	457867	11.46%	0.333%
136	9.274	9.226	9.316	VV	23497	1077418	26.97%	0.784%
137	9.348	9.316	9.381	VV	43669	1148229	28.75%	0.836%
138	9.391	9.381	9.401	VV	20959	242825	6.08%	0.177%
139	9.429	9.401	9.456	VV	33159	807596	20.22%	0.588%
140	9.478	9.456	9.493	VV	23226	455320	11.40%	0.331%
141	9.509	9.493	9.558	VV	26270	765353	19.16%	0.557%

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142	9.588	9.558	9.617	VV	14261	485588	12.16%	0.353%
143	9.629	9.617	9.645	VV	12729	203161	5.09%	0.148%
144	9.664	9.645	9.681	VV	15995	317374	7.95%	0.231%
145	9.707	9.681	9.732	VV	24635	583745	14.61%	0.425%
146	9.751	9.732	9.776	VV	37141	626890	15.70%	0.456%
147	9.784	9.776	9.795	VV	14968	167546	4.19%	0.122%
148	9.815	9.795	9.842	VV	17110	446567	11.18%	0.325%
149	9.854	9.842	9.896	VV	16310	451044	11.29%	0.328%
150	9.924	9.896	9.944	VV	12717	336968	8.44%	0.245%
151	9.981	9.944	10.008	VV	13419	469728	11.76%	0.342%
152	10.028	10.008	10.061	VV	13022	370479	9.28%	0.270%
153	10.098	10.061	10.110	VV	14411	353649	8.85%	0.257%
154	10.139	10.110	10.169	VV	47725	901593	22.57%	0.656%
155	10.187	10.169	10.205	VV	13172	268315	6.72%	0.195%
156	10.223	10.205	10.258	VV	13205	373507	9.35%	0.272%
157	10.284	10.258	10.311	VV	14549	352661	8.83%	0.257%
158	10.328	10.311	10.355	VV	9261	232097	5.81%	0.169%
159	10.387	10.355	10.396	VV	9961	232224	5.81%	0.169%
160	10.420	10.396	10.446	VV	12003	310365	7.77%	0.226%
161	10.489	10.446	10.527	VV	18230	593284	14.85%	0.432%
162	10.561	10.527	10.591	VV	50195	926413	23.19%	0.674%
163	10.605	10.591	10.639	VV	11346	289846	7.26%	0.211%
164	10.681	10.639	10.715	VV	9175	391372	9.80%	0.285%
165	10.722	10.715	10.729	VV	8911	75350	1.89%	0.055%
166	10.761	10.729	10.791	VV	9290	323161	8.09%	0.235%
167	10.818	10.791	10.851	VV	10214	330497	8.27%	0.241%
168	10.881	10.851	10.924	VV	12965	426973	10.69%	0.311%
169	10.966	10.924	10.985	VV	8889	302746	7.58%	0.220%
170	10.995	10.985	11.006	VV	8141	98391	2.46%	0.072%
171	11.023	11.006	11.031	VV	8174	122813	3.07%	0.089%
172	11.048	11.031	11.068	VV	8097	173283	4.34%	0.126%
173	11.123	11.068	11.168	VV	11136	516940	12.94%	0.376%
174	11.191	11.168	11.231	VV	14366	373212	9.34%	0.272%
175	11.282	11.231	11.316	VV	25579	653486	16.36%	0.476%
176	11.345	11.316	11.370	VV	7782	233342	5.84%	0.170%
177	11.389	11.370	11.408	VV	7100	154241	3.86%	0.112%
178	11.467	11.408	11.530	VV	8394	544073	13.62%	0.396%
179	11.587	11.530	11.613	VV	7706	348597	8.73%	0.254%
180	11.637	11.613	11.663	VV	7301	203827	5.10%	0.148%
181	11.684	11.663	11.727	VV	7315	265439	6.65%	0.193%
182	11.745	11.727	11.777	VV	7473	208170	5.21%	0.152%
183	11.801	11.777	11.814	VV	7736	152739	3.82%	0.111%
184	11.842	11.814	11.912	VV	11532	481255	12.05%	0.350%
185	11.933	11.912	11.947	VV	6479	129587	3.24%	0.094%
186	11.973	11.947	12.035	VV	6864	327779	8.21%	0.239%
187	12.077	12.035	12.101	VV	6430	235779	5.90%	0.172%
188	12.129	12.101	12.151	VV	5919	172589	4.32%	0.126%
189	12.164	12.151	12.200	VV	5879	162663	4.07%	0.118%
190	12.221	12.200	12.241	VV	5689	130307	3.26%	0.095%
191	12.249	12.241	12.255	VV	5447	43715	1.09%	0.032%
192	12.273	12.255	12.318	VV	5813	197328	4.94%	0.144%
193	12.326	12.318	12.335	VV	5102	50359	1.26%	0.037%
194	12.362	12.335	12.398	VV	5942	198770	4.98%	0.145%

195	12.431	12.398	12.474	VV	6295	245192	6.14%	0.178%
196	12.500	12.474	12.580	VV	9091	334585	8.38%	0.244%
197	12.602	12.580	12.629	VV	4814	129630	3.25%	0.094%
198	12.644	12.629	12.701	VV	4571	165980	4.16%	0.121%
199	12.714	12.701	12.735	VV	3528	69214	1.73%	0.050%
200	12.759	12.735	12.805	VV	3921	150748	3.77%	0.110%
201	12.823	12.805	12.845	VV	3613	79177	1.98%	0.058%
202	12.863	12.845	12.875	VV	3470	59510	1.49%	0.043%
203	12.885	12.875	12.891	VV	3237	32053	0.80%	0.023%
204	12.945	12.891	12.981	VV	311096	3994162	100.00%	2.907%
205	12.995	12.981	13.026	VV	5267	123238	3.09%	0.090%
206	13.045	13.026	13.091	VV	3694	129227	3.24%	0.094%
207	13.111	13.091	13.135	VV	4074	87112	2.18%	0.063%
208	13.159	13.135	13.208	VV	3181	128449	3.22%	0.093%
209	13.211	13.208	13.250	VV	2662	63053	1.58%	0.046%
210	13.272	13.250	13.298	VV	2628	68396	1.71%	0.050%
211	13.336	13.298	13.359	VV	2993	91660	2.29%	0.067%
212	13.377	13.359	13.475	VV	2711	154008	3.86%	0.112%
213	13.488	13.475	13.511	VV	2048	42806	1.07%	0.031%
214	13.539	13.511	13.575	VV	2201	77280	1.93%	0.056%
215	13.606	13.575	13.623	VV	2129	55556	1.39%	0.040%
216	13.644	13.623	13.669	VV	2809	58725	1.47%	0.043%
217	13.696	13.669	13.728	VV	4277	91659	2.29%	0.067%
218	13.742	13.728	13.767	VV	1589	34930	0.87%	0.025%
219	13.781	13.767	13.814	VV	1465	38789	0.97%	0.028%
220	13.839	13.814	13.876	VV	1429	47950	1.20%	0.035%
221	13.932	13.876	13.981	VV	1770	84616	2.12%	0.062%
222	13.997	13.981	14.038	VV	1347	38247	0.96%	0.028%
223	14.087	14.038	14.112	VV	1199	50114	1.25%	0.036%
224	14.134	14.112	14.181	VV	1722	49872	1.25%	0.036%
225	14.200	14.181	14.235	VV	1562	33093	0.83%	0.024%
226	14.258	14.235	14.295	VV	1359	33321	0.83%	0.024%
227	14.316	14.295	14.362	VV	1067	33956	0.85%	0.025%
228	14.382	14.362	14.454	VV	1050	42543	1.07%	0.031%
229	14.504	14.454	14.537	VV	1064	35013	0.88%	0.025%
230	14.546	14.537	14.598	VV	693	22346	0.56%	0.016%
231	14.612	14.598	14.631	VV	611	10196	0.26%	0.007%
232	14.641	14.631	14.685	VV	599	15270	0.38%	0.011%
233	14.753	14.685	14.774	VV	1227	35147	0.88%	0.026%
234	14.800	14.774	14.909	VV	2546	63382	1.59%	0.046%
235	14.933	14.909	14.966	VV	391	9796	0.25%	0.007%
236	15.012	14.966	15.028	VV	211	7199	0.18%	0.005%
237	15.049	15.028	15.074	VV	292	6375	0.16%	0.005%
238	15.105	15.074	15.172	VV	338	11884	0.30%	0.009%
239	15.188	15.172	15.198	PV	130	1384	0.03%	0.001%
240	15.233	15.198	15.252	VV	503	9266	0.23%	0.007%
241	15.267	15.252	15.292	VV	253	5029	0.13%	0.004%
242	15.320	15.292	15.398	VV	760	21252	0.53%	0.015%
243	15.447	15.398	15.468	VV	447	7600	0.19%	0.006%
244	15.482	15.468	15.492	VV	185	1836	0.05%	0.001%
245	15.501	15.492	15.510	VV	232	1434	0.04%	0.001%
246	15.534	15.510	15.561	VV	265	6019	0.15%	0.004%

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247	15.571	15.561	15.590	VV	276	3430	0.09%	0.002%
248	15.632	15.590	15.665	VV	559	15415	0.39%	0.011%
249	15.685	15.665	15.743	VV	317	9688	0.24%	0.007%
250	15.779	15.743	15.793	PV	790	12655	0.32%	0.009%
251	15.819	15.793	15.921	VV	2209	51122	1.28%	0.037%
252	15.950	15.921	15.975	VV	353	7310	0.18%	0.005%
253	16.016	15.975	16.041	VV	822	20629	0.52%	0.015%
254	16.065	16.041	16.073	VV	331	5152	0.13%	0.004%
255	16.110	16.073	16.124	VV	620	14083	0.35%	0.010%
256	16.152	16.124	16.163	VV	641	13388	0.34%	0.010%
257	16.179	16.163	16.231	VV	625	18532	0.46%	0.013%
258	16.302	16.231	16.330	VV	1254	42203	1.06%	0.031%
259	16.348	16.330	16.370	VV	698	13416	0.34%	0.010%
260	16.384	16.370	16.394	VV	565	7838	0.20%	0.006%
261	16.460	16.394	16.481	VV	910	35833	0.90%	0.026%
262	16.511	16.481	16.550	VV	951	34203	0.86%	0.025%
263	16.567	16.550	16.588	VV	930	17190	0.43%	0.013%
264	16.623	16.588	16.657	VV	1027	34895	0.87%	0.025%
265	16.671	16.657	16.685	VV	927	14070	0.35%	0.010%
266	16.768	16.685	16.831	VV	3487	138833	3.48%	0.101%
267	16.853	16.831	16.912	VV	1314	53672	1.34%	0.039%
268	17.001	16.912	17.035	VV	2547	110005	2.75%	0.080%
269	17.070	17.035	17.115	VV	1406	60005	1.50%	0.044%
270	17.171	17.115	17.196	VV	2415	80992	2.03%	0.059%
271	17.218	17.196	17.268	VV	2685	77897	1.95%	0.057%
272	17.282	17.268	17.299	VV	1527	25034	0.63%	0.018%
273	17.323	17.299	17.358	VV	2180	57467	1.44%	0.042%
274	17.405	17.358	17.455	VV	1490	73160	1.83%	0.053%
275	17.498	17.455	17.518	VV	1567	48520	1.21%	0.035%
276	17.546	17.518	17.575	VV	1888	52249	1.31%	0.038%
277	17.653	17.575	17.741	VV	5149	207902	5.21%	0.151%
278	17.790	17.741	17.878	VV	4147	175038	4.38%	0.127%
279	17.889	17.878	17.917	VV	1336	27277	0.68%	0.020%
280	17.991	17.917	18.015	VV	1848	86036	2.15%	0.063%
281	18.026	18.015	18.050	VV	1702	32203	0.81%	0.023%
282	18.077	18.050	18.131	VV	3673	104440	2.61%	0.076%
283	18.155	18.131	18.208	VV	5052	110695	2.77%	0.081%
284	18.222	18.208	18.253	VV	1222	27389	0.69%	0.020%
285	18.277	18.253	18.295	VV	1298	28189	0.71%	0.021%
286	18.310	18.295	18.385	VV	1437	62050	1.55%	0.045%
287	18.397	18.385	18.428	VV	963	21647	0.54%	0.016%
288	18.486	18.428	18.544	VV	5722	137017	3.43%	0.100%
289	18.578	18.544	18.602	VV	2216	48654	1.22%	0.035%
290	18.627	18.602	18.675	VV	1917	53334	1.34%	0.039%
291	18.684	18.675	18.698	VV	931	12427	0.31%	0.009%
292	18.709	18.698	18.728	VV	981	17282	0.43%	0.013%
293	18.755	18.728	18.808	VV	1212	48262	1.21%	0.035%
294	18.884	18.808	18.951	VV	3091	122234	3.06%	0.089%
295	18.977	18.951	19.031	VV	1587	52458	1.31%	0.038%
296	19.087	19.031	19.101	VV	1305	47202	1.18%	0.034%
297	19.125	19.101	19.155	VV	1269	36518	0.91%	0.027%
298	19.180	19.155	19.198	VV	1320	29968	0.75%	0.022%
299	19.268	19.198	19.348	VV	7472	225029	5.63%	0.164%

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300	19.383	19.348	19.432	VV	1815	73268	1.83%	0.053%
301	19.476	19.432	19.488	VV	1669	51665	1.29%	0.038%
302	19.559	19.488	19.581	VV	1863	95078	2.38%	0.069%
303	19.644	19.581	19.675	VV	3509	126997	3.18%	0.092%
304	19.682	19.675	19.735	VV	2350	72258	1.81%	0.053%
305	19.890	19.735	19.961	VV	4609	417506	10.45%	0.304%
306	20.008	19.961	20.047	VV	11728	290864	7.28%	0.212%
307	20.064	20.047	20.131	VV	3285	151954	3.80%	0.111%
308	20.201	20.131	20.234	VV	3316	193703	4.85%	0.141%
309	20.265	20.234	20.305	VV	3365	138472	3.47%	0.101%
310	20.360	20.305	20.402	VV	5004	219461	5.49%	0.160%
311	20.411	20.402	20.421	VV	3411	37849	0.95%	0.028%
312	20.486	20.421	20.508	VV	3848	192123	4.81%	0.140%
313	20.529	20.508	20.565	VV	3916	128217	3.21%	0.093%
314	20.586	20.565	20.618	VV	3919	121241	3.04%	0.088%
315	20.631	20.618	20.653	VV	3709	77433	1.94%	0.056%
316	20.732	20.653	20.865	VV	15752	696740	17.44%	0.507%
317	20.869	20.865	20.888	VV	3623	51347	1.29%	0.037%
318	20.897	20.888	20.948	VV	3656	125989	3.15%	0.092%
319	20.958	20.948	21.019	VV	3522	146006	3.66%	0.106%
320	21.027	21.019	21.045	VV	3446	53091	1.33%	0.039%
321	21.069	21.045	21.098	VV	3461	107380	2.69%	0.078%
322	21.148	21.098	21.241	VV	4312	294531	7.37%	0.214%
323	21.266	21.241	21.336	VV	3198	173957	4.36%	0.127%
324	21.369	21.336	21.378	VV	3026	75637	1.89%	0.055%
325	21.391	21.378	21.411	VV	2953	58586	1.47%	0.043%
326	21.423	21.411	21.442	VV	2962	54021	1.35%	0.039%
327	21.509	21.442	21.555	VV	2971	195524	4.90%	0.142%
328	21.619	21.555	21.701	VBA	18421	647933	16.22%	0.472%

Sum of corrected areas: 137383203

Aliphatic EPH 091024.M Fri Sep 20 04:38:38 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-23		SDG No.:	P4103	
Lab Sample ID:	P4103-16		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
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
FD048337.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.32		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	13.4		0.40	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.5		1.12	1.94	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.82	J	2.32	3.10	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.5		40 - 140	93%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	44.8		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.7		40 - 140	49%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-16	Acq On:	19 Sep 2024 22:31
Client Sample ID:	WC-23	Operator:	YP/AJ
Data file:	FD048337.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	4.108	5.827	14570251	81.57	200	ug/ml
Aromatic C12-C16	5.828	8.434	30564336	172.525	300	ug/ml
Aromatic C16-C21	8.435	12.696	21884800	135.015	500	ug/ml
Aromatic C21-C36	12.697	18.099	5388138	36.448	800	ug/ml
Aromatic EPH	4.108	18.099	72407525	425.559		ug/ml
2-Bromonaphthalene (SURR)	7.388	7.388	7056810	46.53		ug/ml
2-Flurobiphenyl (SURR)	8.238	8.238	4276690	44.76		ug/ml
ortho-Terphenyl (SURR)	11.274	11.274	4241328	24.72		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048337.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 22:31
Operator : YP/AJ
Sample : P4103-16
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC-23

Integration File: autoint1.e
Quant Time: Sep 20 05:21:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.388	7056810	46.530 ug/ml
Spiked Amount 50.000		Recovery =	93.06%
6) S 2-Flurobiphenyl (SURR)	8.238	4276690	44.759 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	89.52%
11) S ortho-Terphenyl (SURR)	11.274	4241328	24.721 ug/ml
Spiked Amount 50.000		Recovery =	49.44%
Target Compounds			

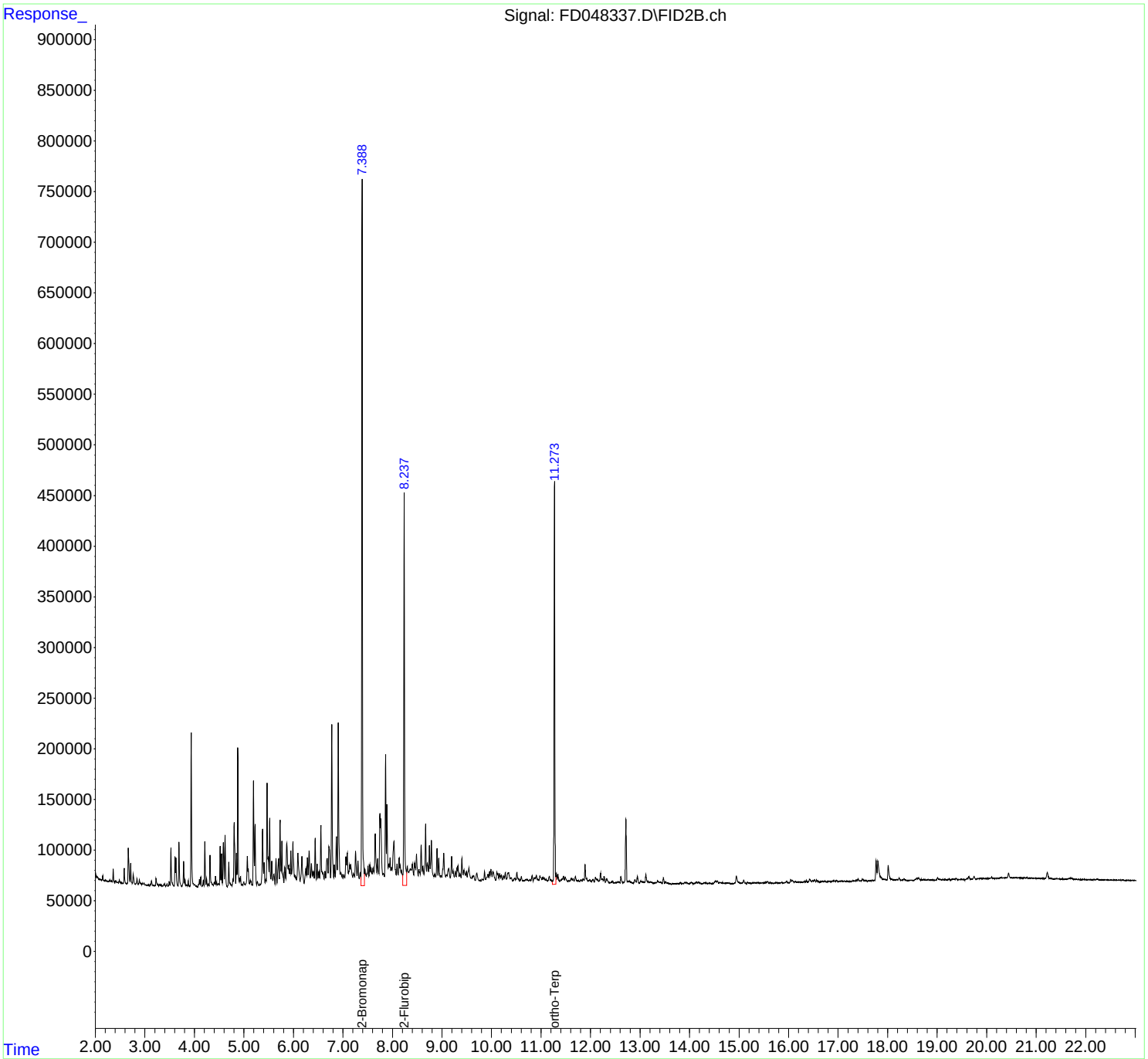
(f)=RT Delta > 1/2 Window (m)=manual int.

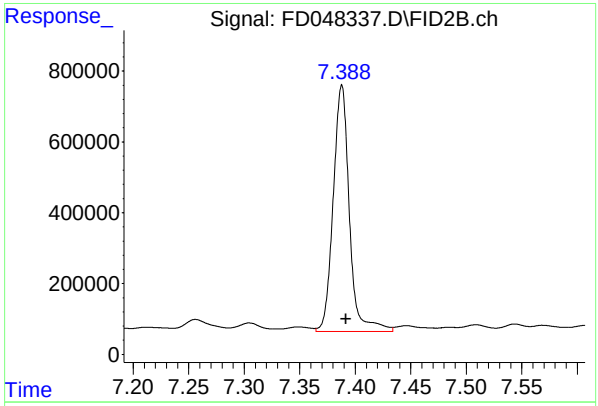
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048337.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 22:31
Operator : YP/AJ
Sample : P4103-16
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC-23

Integration File: autoint1.e
Quant Time: Sep 20 05:21:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

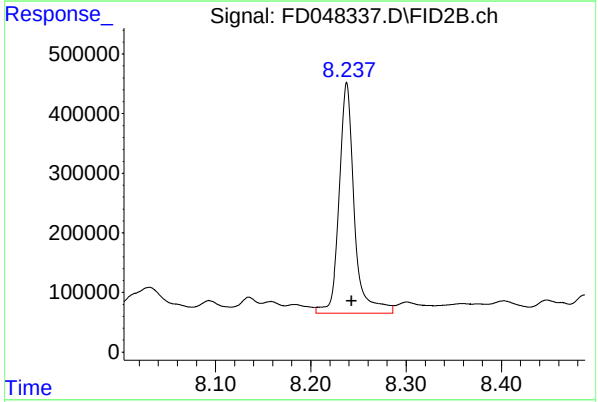




#4 2-Bromonaphthalene (SURR)

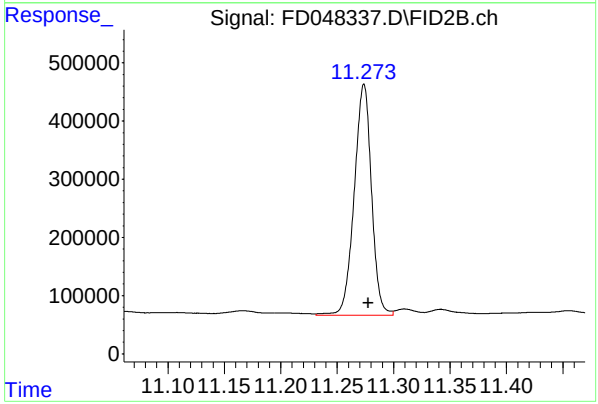
R.T.: 7.388 min
Delta R.T.: -0.004 min
Response: 7056810
Conc: 46.53 ug/ml

Instrument :
FID_D
ClientSampleId :
WC-23



#6 2-Flurobiphenyl (SURR)

R.T.: 8.238 min
Delta R.T.: -0.005 min
Response: 4276690
Conc: 44.76 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.274 min
Delta R.T.: -0.004 min
Response: 4241328
Conc: 24.72 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048337.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 22:31
Sample : P4103-16
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.180	4.152	4.195	BV	5945	49239	0.70%	0.056%
2	4.211	4.195	4.234	VV	43854	388762	5.50%	0.442%
3	4.247	4.234	4.265	VV	7307	65308	0.92%	0.074%
4	4.279	4.265	4.298	VV	2318	23762	0.34%	0.027%
5	4.315	4.298	4.358	VV	30632	341157	4.82%	0.387%
6	4.362	4.358	4.384	VV	1881	22924	0.32%	0.026%
7	4.400	4.384	4.413	VV	3851	45546	0.64%	0.052%
8	4.427	4.413	4.440	VV	10076	91251	1.29%	0.104%
9	4.450	4.440	4.466	VV	3877	39243	0.55%	0.045%
10	4.479	4.466	4.490	VV	2532	28883	0.41%	0.033%
11	4.498	4.490	4.505	VV	2235	17242	0.24%	0.020%
12	4.520	4.505	4.534	VV	39809	345309	4.88%	0.392%
13	4.547	4.534	4.566	VV	32312	300467	4.25%	0.341%
14	4.585	4.566	4.605	VV	43325	554450	7.84%	0.630%
15	4.620	4.605	4.664	VV	50802	576942	8.16%	0.655%
16	4.695	4.664	4.714	PV	24210	236240	3.34%	0.268%
17	4.721	4.714	4.737	VV	3772	39165	0.55%	0.044%
18	4.746	4.737	4.759	VV	1683	16644	0.24%	0.019%
19	4.778	4.759	4.786	VV	7447	67323	0.95%	0.076%
20	4.803	4.786	4.835	VV	63103	882782	12.48%	1.003%
21	4.850	4.835	4.862	VV	32855	304188	4.30%	0.345%
22	4.877	4.862	4.900	VV	136972	1276751	18.06%	1.450%
23	4.910	4.900	4.920	VV	8276	80637	1.14%	0.092%
24	4.932	4.920	4.951	VV	9870	105006	1.49%	0.119%
25	4.966	4.951	4.978	VV	2334	27230	0.39%	0.031%
26	4.997	4.978	5.012	VV	4832	61582	0.87%	0.070%
27	5.020	5.012	5.028	VV	2449	20396	0.29%	0.023%
28	5.070	5.028	5.082	VV	30191	375362	5.31%	0.426%
29	5.089	5.082	5.117	VV	17712	182943	2.59%	0.208%
30	5.130	5.117	5.138	VV	6377	62415	0.88%	0.071%
31	5.146	5.138	5.175	VV	5481	65073	0.92%	0.074%
32	5.194	5.175	5.213	VV	104260	1052647	14.89%	1.195%
33	5.226	5.213	5.257	VV	61368	668640	9.46%	0.759%
34	5.272	5.257	5.306	VV	4735	79931	1.13%	0.091%
35	5.319	5.306	5.330	VV	2104	22661	0.32%	0.026%
36	5.377	5.330	5.399	VV	56813	746811	10.56%	0.848%

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37	5.409	5.399	5.427	VV	23572	238074	3.37%	0.270%
38	5.443	5.427	5.451	VV	7403	84541	1.20%	0.096%
39	5.468	5.451	5.487	VV	101941	1055800	14.93%	1.199%
40	5.494	5.487	5.507	VV	29536	296279	4.19%	0.336%
41	5.521	5.507	5.542	VV	67215	679870	9.61%	0.772%
42	5.563	5.542	5.585	VV	25014	338001	4.78%	0.384%
43	5.605	5.585	5.629	VV	12123	215317	3.05%	0.245%
44	5.649	5.629	5.669	VV	27536	326953	4.62%	0.371%
45	5.701	5.669	5.716	VV	27334	455039	6.44%	0.517%
46	5.731	5.716	5.752	VV	65372	706781	10.00%	0.803%
47	5.769	5.752	5.787	VV	44728	530007	7.50%	0.602%
48	5.792	5.787	5.807	VV	11545	101039	1.43%	0.115%
49	5.826	5.807	5.846	VV	18880	277638	3.93%	0.315%
50	5.866	5.846	5.893	VV	42496	767819	10.86%	0.872%
51	5.904	5.893	5.917	VV	20651	247151	3.50%	0.281%
52	5.926	5.917	5.935	VV	17316	161439	2.28%	0.183%
53	5.948	5.935	5.964	VV	35071	386034	5.46%	0.438%
54	5.990	5.964	6.020	VV	44110	776546	10.98%	0.882%
55	6.028	6.020	6.039	VV	10761	113737	1.61%	0.129%
56	6.048	6.039	6.063	VV	9181	114600	1.62%	0.130%
57	6.091	6.063	6.135	VV	32682	682567	9.65%	0.775%
58	6.173	6.135	6.217	VV	29430	624990	8.84%	0.710%
59	6.251	6.217	6.266	VV	17418	323035	4.57%	0.367%
60	6.284	6.266	6.299	VV	28261	383823	5.43%	0.436%
61	6.319	6.299	6.342	VV	34941	542492	7.67%	0.616%
62	6.364	6.342	6.380	VV	22374	336058	4.75%	0.382%
63	6.390	6.380	6.401	VV	14249	154936	2.19%	0.176%
64	6.410	6.401	6.424	VV	13777	161250	2.28%	0.183%
65	6.440	6.424	6.463	VV	47235	549482	7.77%	0.624%
66	6.480	6.463	6.497	VV	21838	279373	3.95%	0.317%
67	6.515	6.497	6.529	VV	14509	215100	3.04%	0.244%
68	6.556	6.529	6.589	VV	60043	879694	12.44%	0.999%
69	6.599	6.589	6.620	VV	13121	203141	2.87%	0.231%
70	6.637	6.620	6.653	VV	14599	217418	3.07%	0.247%
71	6.683	6.653	6.701	VV	27239	578051	8.17%	0.656%
72	6.719	6.701	6.752	VV	39252	802596	11.35%	0.912%
73	6.775	6.752	6.814	VV	159147	1969661	27.86%	2.237%
74	6.828	6.814	6.845	VV	20978	263107	3.72%	0.299%
75	6.869	6.845	6.887	VV	48694	713690	10.09%	0.811%
76	6.906	6.887	6.945	VV	160260	2056055	29.08%	2.335%
77	6.959	6.945	6.975	VV	12778	211568	2.99%	0.240%
78	6.985	6.975	7.001	VV	11255	150105	2.12%	0.170%
79	7.017	7.001	7.037	VV	11309	206833	2.93%	0.235%
80	7.060	7.037	7.073	VV	28941	404805	5.72%	0.460%
81	7.088	7.073	7.109	VV	32623	505789	7.15%	0.574%
82	7.137	7.109	7.148	VV	21291	393222	5.56%	0.447%
83	7.158	7.148	7.198	VV	20707	442349	6.26%	0.502%
84	7.212	7.198	7.237	VV	12267	245497	3.47%	0.279%
85	7.256	7.237	7.287	VV	34258	603320	8.53%	0.685%
86	7.305	7.287	7.329	VV	24367	379890	5.37%	0.431%
87	7.349	7.329	7.363	VV	12921	208852	2.95%	0.237%
88	7.388	7.363	7.433	VV	698052	7071056	100.00%	8.031%
89	7.446	7.433	7.473	VV	16497	300371	4.25%	0.341%

90	7.485	7.473	7.492	VV	12207	130149	1.84%	0.148%
91	7.509	7.492	7.527	VV	19063	301402	4.26%	0.342%
92	7.544	7.527	7.558	VV	21123	299498	4.24%	0.340%
93	7.569	7.558	7.590	VV	17712	290214	4.10%	0.330%
94	7.608	7.590	7.625	VV	17696	306616	4.34%	0.348%
95	7.652	7.625	7.687	VV	51558	995284	14.08%	1.130%
96	7.702	7.687	7.728	VV	26945	434554	6.15%	0.494%
97	7.747	7.728	7.755	VV	71506	743212	10.51%	0.844%
98	7.763	7.755	7.804	VV	66390	1095845	15.50%	1.245%
99	7.818	7.804	7.837	VV	12258	219408	3.10%	0.249%
100	7.863	7.837	7.878	VV	129567	1436997	20.32%	1.632%
101	7.890	7.878	7.914	VV	80203	983947	13.92%	1.117%
102	7.928	7.914	7.940	VV	21243	301489	4.26%	0.342%
103	7.953	7.940	7.968	VV	27702	369944	5.23%	0.420%
104	7.979	7.968	7.992	VV	17935	241898	3.42%	0.275%
105	8.031	7.992	8.075	VV	43943	1271432	17.98%	1.444%
106	8.094	8.075	8.117	VV	21712	377191	5.33%	0.428%
107	8.135	8.117	8.148	VV	27557	360220	5.09%	0.409%
108	8.158	8.148	8.173	VV	20217	258326	3.65%	0.293%
109	8.184	8.173	8.205	VV	15121	245712	3.47%	0.279%
110	8.238	8.205	8.287	VV	386945	4302915	60.85%	4.887%
111	8.301	8.287	8.330	VV	19175	401102	5.67%	0.456%
112	8.359	8.330	8.369	VV	16515	350124	4.95%	0.398%
113	8.375	8.369	8.385	VV	16112	148683	2.10%	0.169%
114	8.402	8.385	8.430	VV	21302	444643	6.29%	0.505%
115	8.448	8.430	8.472	VV	22508	448988	6.35%	0.510%
116	8.487	8.472	8.521	VV	30998	572548	8.10%	0.650%
117	8.536	8.521	8.562	VV	16130	333161	4.71%	0.378%
118	8.581	8.562	8.601	VV	40038	586463	8.29%	0.666%
119	8.615	8.601	8.639	VV	19164	346686	4.90%	0.394%
120	8.671	8.639	8.691	VV	61017	884684	12.51%	1.005%
121	8.705	8.691	8.731	VV	22382	446621	6.32%	0.507%
122	8.747	8.731	8.763	VV	39588	484964	6.86%	0.551%
123	8.788	8.763	8.835	VV	44679	915022	12.94%	1.039%
124	8.852	8.835	8.873	VV	10944	221264	3.13%	0.251%
125	8.902	8.873	8.921	VV	36631	554570	7.84%	0.630%
126	8.936	8.921	8.970	VV	27280	452886	6.40%	0.514%
127	8.982	8.970	8.996	VV	9756	137767	1.95%	0.156%
128	9.018	8.996	9.021	VV	16775	188216	2.66%	0.214%
129	9.038	9.021	9.075	VV	31987	587051	8.30%	0.667%
130	9.093	9.075	9.104	VV	10757	169478	2.40%	0.192%
131	9.138	9.104	9.167	VV	16496	481494	6.81%	0.547%
132	9.197	9.167	9.216	VV	28664	490786	6.94%	0.557%
133	9.227	9.216	9.250	VV	14265	234173	3.31%	0.266%
134	9.271	9.250	9.288	VV	13924	253379	3.58%	0.288%
135	9.305	9.288	9.314	VV	17553	218225	3.09%	0.248%
136	9.326	9.314	9.348	VV	19582	293357	4.15%	0.333%
137	9.366	9.348	9.387	VV	11257	229674	3.25%	0.261%
138	9.403	9.387	9.428	VV	26664	412843	5.84%	0.469%
139	9.444	9.428	9.480	VV	15125	380081	5.38%	0.432%
140	9.494	9.480	9.510	VV	13753	206176	2.92%	0.234%
141	9.545	9.510	9.585	VV	17081	525236	7.43%	0.597%

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142	9.595	9.585	9.602	VV	7271	71135	1.01%	0.081%
143	9.614	9.602	9.620	VV	8293	84596	1.20%	0.096%
144	9.634	9.620	9.671	VV	9402	238525	3.37%	0.271%
145	9.704	9.671	9.754	VV	12035	374526	5.30%	0.425%
146	9.767	9.754	9.790	VV	5280	101686	1.44%	0.115%
147	9.810	9.790	9.833	VV	6120	138047	1.95%	0.157%
148	9.862	9.833	9.884	VV	13646	248425	3.51%	0.282%
149	9.929	9.884	9.947	VV	10710	307636	4.35%	0.349%
150	9.963	9.947	9.974	VV	13438	179995	2.55%	0.204%
151	9.989	9.974	10.013	VV	15656	284951	4.03%	0.324%
152	10.029	10.013	10.089	VV	13510	422811	5.98%	0.480%
153	10.110	10.089	10.122	VV	13085	196175	2.77%	0.223%
154	10.132	10.122	10.149	VV	11453	160380	2.27%	0.182%
155	10.166	10.149	10.186	VV	11427	197130	2.79%	0.224%
156	10.204	10.186	10.220	VV	9981	169264	2.39%	0.192%
157	10.245	10.220	10.261	VV	9280	181467	2.57%	0.206%
158	10.281	10.261	10.305	VV	12587	227873	3.22%	0.259%
159	10.348	10.305	10.377	VV	12602	412646	5.84%	0.469%
160	10.399	10.377	10.430	VV	7339	198093	2.80%	0.225%
161	10.468	10.430	10.489	VV	7000	196168	2.77%	0.223%
162	10.514	10.489	10.565	VV	12619	335250	4.74%	0.381%
163	10.578	10.565	10.584	VV	4927	52674	0.74%	0.060%
164	10.604	10.584	10.632	VV	8216	172695	2.44%	0.196%
165	10.650	10.632	10.672	VV	4665	104015	1.47%	0.118%
166	10.705	10.672	10.720	VV	5583	147332	2.08%	0.167%
167	10.732	10.720	10.754	VV	5167	95311	1.35%	0.108%
168	10.767	10.754	10.775	VV	4566	57432	0.81%	0.065%
169	10.788	10.775	10.798	VV	4946	62840	0.89%	0.071%
170	10.820	10.798	10.844	VV	9133	179305	2.54%	0.204%
171	10.861	10.844	10.870	VV	7056	93521	1.32%	0.106%
172	10.881	10.870	10.891	VV	7297	83562	1.18%	0.095%
173	10.909	10.891	10.946	VV	9551	224403	3.17%	0.255%
174	10.955	10.946	10.962	VV	5251	50190	0.71%	0.057%
175	10.978	10.962	11.016	VV	8959	229228	3.24%	0.260%
176	11.036	11.016	11.049	VV	7695	127081	1.80%	0.144%
177	11.063	11.049	11.084	VV	7334	126854	1.79%	0.144%
178	11.092	11.084	11.099	VV	5109	45332	0.64%	0.051%
179	11.108	11.099	11.142	VV	5501	119798	1.69%	0.136%
180	11.167	11.142	11.190	VV	8589	179365	2.54%	0.204%
181	11.200	11.190	11.230	VV	4761	99907	1.41%	0.113%
182	11.274	11.230	11.299	VV	398405	4264508	60.31%	4.843%
183	11.310	11.299	11.327	VV	11540	150448	2.13%	0.171%
184	11.342	11.327	11.382	VV	10986	214266	3.03%	0.243%
185	11.426	11.382	11.435	VV	5881	153006	2.16%	0.174%
186	11.455	11.435	11.473	VV	8413	155062	2.19%	0.176%
187	11.491	11.473	11.538	VV	7762	212107	3.00%	0.241%
188	11.560	11.538	11.584	VV	4335	106051	1.50%	0.120%
189	11.617	11.584	11.637	VV	6393	167727	2.37%	0.190%
190	11.648	11.637	11.669	VV	6120	98364	1.39%	0.112%
191	11.694	11.669	11.739	VV	8045	215374	3.05%	0.245%
192	11.752	11.739	11.762	VV	4122	52150	0.74%	0.059%
193	11.766	11.762	11.782	VV	3865	43307	0.61%	0.049%
194	11.809	11.782	11.824	VV	5039	104794	1.48%	0.119%

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195	11.850	11.824	11.870	VV	5920	136016	1.92%	0.154%
196	11.890	11.870	11.915	VV	20042	293668	4.15%	0.334%
197	11.921	11.915	11.947	VV	5970	93307	1.32%	0.106%
198	11.981	11.947	12.017	VV	4872	171204	2.42%	0.194%
199	12.052	12.017	12.075	VV	5417	141361	2.00%	0.161%
200	12.098	12.075	12.111	VV	7586	113196	1.60%	0.129%
201	12.119	12.111	12.131	VV	5984	64586	0.91%	0.073%
202	12.143	12.131	12.165	VV	5601	94917	1.34%	0.108%
203	12.203	12.165	12.225	VV	11530	230332	3.26%	0.262%
204	12.239	12.225	12.257	VV	5971	99242	1.40%	0.113%
205	12.275	12.257	12.300	VV	7962	132968	1.88%	0.151%
206	12.324	12.300	12.395	VV	6041	189641	2.68%	0.215%
207	12.446	12.395	12.481	VV	3448	115532	1.63%	0.131%
208	12.517	12.481	12.531	VV	2586	59984	0.85%	0.068%
209	12.553	12.531	12.593	VV	2758	85769	1.21%	0.097%
210	12.613	12.593	12.663	VV	7944	157004	2.22%	0.178%
211	12.714	12.663	12.744	VV	64591	840627	11.89%	0.955%
212	12.769	12.744	12.841	VV	3566	156430	2.21%	0.178%
213	12.843	12.841	12.862	VV	1777	18535	0.26%	0.021%
214	12.897	12.862	12.922	VV	4689	108312	1.53%	0.123%
215	12.946	12.922	12.992	VV	7983	158517	2.24%	0.180%
216	13.011	12.992	13.024	VV	3594	51737	0.73%	0.059%
217	13.037	13.024	13.048	VV	2851	38480	0.54%	0.044%
218	13.054	13.048	13.074	VV	2644	33758	0.48%	0.038%
219	13.089	13.074	13.097	VV	2435	29999	0.42%	0.034%
220	13.116	13.097	13.159	VV	9968	185320	2.62%	0.210%
221	13.162	13.159	13.182	VV	2772	34095	0.48%	0.039%
222	13.198	13.182	13.205	VV	2440	30906	0.44%	0.035%
223	13.213	13.205	13.233	VV	2487	37622	0.53%	0.043%
224	13.241	13.233	13.282	VV	2042	41514	0.59%	0.047%
225	13.313	13.282	13.332	VV	1796	44741	0.63%	0.051%
226	13.352	13.332	13.372	VV	3750	64152	0.91%	0.073%
227	13.380	13.372	13.397	VV	2593	31945	0.45%	0.036%
228	13.415	13.397	13.444	VV	2665	51376	0.73%	0.058%
229	13.471	13.444	13.497	VV	6793	104058	1.47%	0.118%
230	13.518	13.497	13.547	VV	2695	51380	0.73%	0.058%
231	13.554	13.547	13.560	VV	1028	7616	0.11%	0.009%
232	13.567	13.560	13.572	VV	1029	7085	0.10%	0.008%
233	13.576	13.572	13.635	VV	1069	21778	0.31%	0.025%
234	13.655	13.635	13.669	PV	967	11284	0.16%	0.013%
235	13.680	13.669	13.699	VV	691	10276	0.15%	0.012%
236	13.702	13.699	13.725	VV	561	6959	0.10%	0.008%
237	13.763	13.725	13.780	VV	932	17029	0.24%	0.019%
238	13.817	13.780	13.850	VV	1623	34218	0.48%	0.039%
239	13.869	13.850	13.877	VV	956	11905	0.17%	0.014%
240	13.904	13.877	13.918	VV	1836	30691	0.43%	0.035%
241	13.932	13.918	13.961	VV	1665	33439	0.47%	0.038%
242	13.967	13.961	13.995	VV	796	11663	0.16%	0.013%
243	14.041	13.995	14.069	VV	1707	47723	0.67%	0.054%
244	14.089	14.069	14.094	VV	625	6604	0.09%	0.007%
245	14.097	14.094	14.101	VV	476	2066	0.03%	0.002%
246	14.136	14.101	14.155	VV	2224	41906	0.59%	0.048%

247	14.177	14.155	14.199	VV	2153	39331	0.56%	0.045%
248	14.210	14.199	14.249	VV	1361	23085	0.33%	0.026%
249	14.261	14.249	14.273	VV	506	5421	0.08%	0.006%
250	14.293	14.273	14.313	VV	1469	22204	0.31%	0.025%
251	14.335	14.313	14.370	VV	1472	27795	0.39%	0.032%
252	14.378	14.370	14.389	VV	743	6468	0.09%	0.007%
253	14.420	14.389	14.443	VV	710	15033	0.21%	0.017%
254	14.469	14.443	14.485	VV	606	9010	0.13%	0.010%
255	14.531	14.485	14.548	VV	3033	76426	1.08%	0.087%
256	14.563	14.548	14.591	VV	2939	49829	0.70%	0.057%
257	14.611	14.591	14.653	VV	1642	42367	0.60%	0.048%
258	14.661	14.653	14.680	VV	1124	14363	0.20%	0.016%
259	14.684	14.680	14.699	VV	640	6577	0.09%	0.007%
260	14.703	14.699	14.719	VV	647	6452	0.09%	0.007%
261	14.740	14.719	14.755	VV	804	12387	0.18%	0.014%
262	14.765	14.755	14.778	VV	635	7109	0.10%	0.008%
263	14.795	14.778	14.826	VV	860	14097	0.20%	0.016%
264	14.851	14.826	14.855	VV	194	2605	0.04%	0.003%
265	14.861	14.855	14.876	VV	180	1605	0.02%	0.002%
266	14.945	14.876	15.031	PV	7635	185405	2.62%	0.211%
267	15.044	15.031	15.060	VV	571	6718	0.10%	0.008%
268	15.092	15.060	15.127	VV	3509	56610	0.80%	0.064%
269	15.136	15.127	15.147	VV	467	2258	0.03%	0.003%
270	15.170	15.147	15.204	VV	1131	20589	0.29%	0.023%
271	15.207	15.204	15.242	VV	632	8814	0.12%	0.010%
272	15.248	15.242	15.254	VV	327	1873	0.03%	0.002%
273	15.283	15.254	15.296	VV	841	15646	0.22%	0.018%
274	15.311	15.296	15.355	VV	862	23594	0.33%	0.027%
275	15.388	15.355	15.410	VV	934	21663	0.31%	0.025%
276	15.416	15.410	15.420	VV	486	2560	0.04%	0.003%
277	15.432	15.420	15.449	VV	527	8031	0.11%	0.009%
278	15.469	15.449	15.484	VV	605	10467	0.15%	0.012%
279	15.490	15.484	15.497	VV	545	3393	0.05%	0.004%
280	15.501	15.497	15.505	VV	589	2193	0.03%	0.002%
281	15.537	15.505	15.555	VV	1254	21790	0.31%	0.025%
282	15.579	15.555	15.608	VV	1830	34386	0.49%	0.039%
283	15.621	15.608	15.652	VV	849	14597	0.21%	0.017%
284	15.664	15.652	15.670	VV	364	2819	0.04%	0.003%
285	15.675	15.670	15.688	VV	307	1823	0.03%	0.002%
286	15.757	15.688	15.789	PV	714	16394	0.23%	0.019%
287	15.810	15.789	15.829	PV	630	7693	0.11%	0.009%
288	15.837	15.829	15.848	VV	480	4657	0.07%	0.005%
289	15.858	15.848	15.882	VV	777	9828	0.14%	0.011%
290	15.891	15.882	15.900	VV	254	1594	0.02%	0.002%
291	15.920	15.900	15.927	VV	528	4706	0.07%	0.005%
292	15.959	15.927	15.985	VV	1388	30870	0.44%	0.035%
293	15.992	15.985	15.998	VV	576	2732	0.04%	0.003%
294	16.042	15.998	16.062	VV	3296	55080	0.78%	0.063%
295	16.075	16.062	16.109	VV	2448	48822	0.69%	0.055%
296	16.132	16.109	16.159	VV	1519	30042	0.42%	0.034%
297	16.182	16.159	16.205	VV	1056	19927	0.28%	0.023%
298	16.219	16.205	16.229	VV	788	9687	0.14%	0.011%
299	16.241	16.229	16.250	VV	861	9441	0.13%	0.011%

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300	16.256	16.250	16.263	VV	777	4836	0.07%	0.005%
301	16.265	16.263	16.279	VV	550	4409	0.06%	0.005%
302	16.319	16.279	16.342	VV	1166	28684	0.41%	0.033%
303	16.362	16.342	16.388	VV	1868	30404	0.43%	0.035%
304	16.422	16.388	16.465	VV	3378	78622	1.11%	0.089%
305	16.491	16.465	16.504	VV	1609	30846	0.44%	0.035%
306	16.522	16.504	16.544	VV	2843	45130	0.64%	0.051%
307	16.565	16.544	16.587	VV	2184	36823	0.52%	0.042%
308	16.595	16.587	16.620	VV	963	13300	0.19%	0.015%
309	16.627	16.620	16.653	VV	496	8129	0.11%	0.009%
310	16.666	16.653	16.674	VV	568	6000	0.08%	0.007%
311	16.679	16.674	16.683	VV	675	3404	0.05%	0.004%
312	16.691	16.683	16.704	VV	753	7645	0.11%	0.009%
313	16.729	16.704	16.747	VV	1019	18523	0.26%	0.021%
314	16.752	16.747	16.774	VV	511	6197	0.09%	0.007%
315	16.788	16.774	16.792	VV	818	6207	0.09%	0.007%
316	16.813	16.792	16.830	VV	1142	21000	0.30%	0.024%
317	16.837	16.830	16.866	VV	894	14636	0.21%	0.017%
318	16.912	16.866	16.932	VV	1306	36799	0.52%	0.042%
319	16.968	16.932	16.999	VV	1708	40586	0.57%	0.046%
320	17.035	16.999	17.056	VV	833	20517	0.29%	0.023%
321	17.061	17.056	17.064	VV	772	2985	0.04%	0.003%
322	17.073	17.064	17.097	VV	863	14114	0.20%	0.016%
323	17.102	17.097	17.108	VV	661	3837	0.05%	0.004%
324	17.122	17.108	17.145	VV	762	12546	0.18%	0.014%
325	17.152	17.145	17.164	VV	469	3919	0.06%	0.004%
326	17.177	17.164	17.192	VV	546	6533	0.09%	0.007%
327	17.201	17.192	17.215	VV	533	6162	0.09%	0.007%
328	17.220	17.215	17.237	VV	488	4595	0.06%	0.005%
329	17.257	17.237	17.264	VV	523	5587	0.08%	0.006%
330	17.278	17.264	17.293	VV	505	6736	0.10%	0.008%
331	17.335	17.293	17.350	VV	677	17392	0.25%	0.020%
332	17.375	17.350	17.389	VV	1453	25494	0.36%	0.029%
333	17.405	17.389	17.447	VV	2618	44291	0.63%	0.050%
334	17.494	17.447	17.531	VV	2110	55673	0.79%	0.063%
335	17.550	17.531	17.589	VV	1127	21684	0.31%	0.025%
336	17.608	17.589	17.629	PV	640	9040	0.13%	0.010%
337	17.634	17.629	17.649	VV	506	4258	0.06%	0.005%
338	17.659	17.649	17.668	VV	553	5195	0.07%	0.006%
339	17.692	17.668	17.715	VV	1105	19430	0.27%	0.022%
340	17.767	17.715	17.786	VV	20168	306828	4.34%	0.348%
341	17.804	17.786	17.925	VV	19530	534864	7.56%	0.607%
342	17.939	17.925	17.980	VV	1295	30760	0.44%	0.035%
343	18.011	17.980	18.105	VV	14868	288906	4.09%	0.328%
344	18.112	18.105	18.135	VV	334	4294	0.06%	0.005%
345	18.153	18.135	18.162	PV	48	1317	0.02%	0.001%

Sum of corrected areas: 88051625

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

Report of Analysis

Client:	ENTACT		Date Collected:	09/17/24	
Project:	North Point		Date Received:	09/18/24	
Client Sample ID:	WC-23DL		SDG No.:	P4103	
Lab Sample ID:	P4103-16DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
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
FC067197.D	5	09/19/24	09/20/24	PB163524

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		18.5		2.21	5.81	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		41.5		1.39	3.87	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		9.08		1.74	5.81	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		4.65	U	4.65	7.74	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.08	J	10.5	11.6	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		7.27		40 - 140	73%	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:	P4103-16DL	Acq On:	20 Sep 2024 10:03
Client Sample ID:	WC-23DL	Operator:	YP/AJ
Data file:	FC067197.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.176	6.458	6368376	47.666	300	ug/ml
Aliphatic C12-C16	6.459	9.851	13828975	107.284	200	ug/ml
Aliphatic C16-C21	9.852	13.210	2853442	23.463	300	ug/ml
Aliphatic C21-C28	13.211	16.866	384590	3.435	400	ug/ml
Aliphatic C28-C40	16.867	21.720	1613384	18.28	600	ug/ml
Aliphatic EPH	3.176	21.720	25048767	200.127		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	709830	7.27		ug/ml
Aliphatic C9-C28	3.176	16.866	23435383	181.848	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067197.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:03
Operator : YP/AJ
Sample : P4103-16DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23DL

Integration File: autoint1.e
Quant Time: Sep 21 03:17:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.943	709830	7.266 ug/ml
Spiked Amount 50.000		Recovery = 14.53%	
Target Compounds			

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

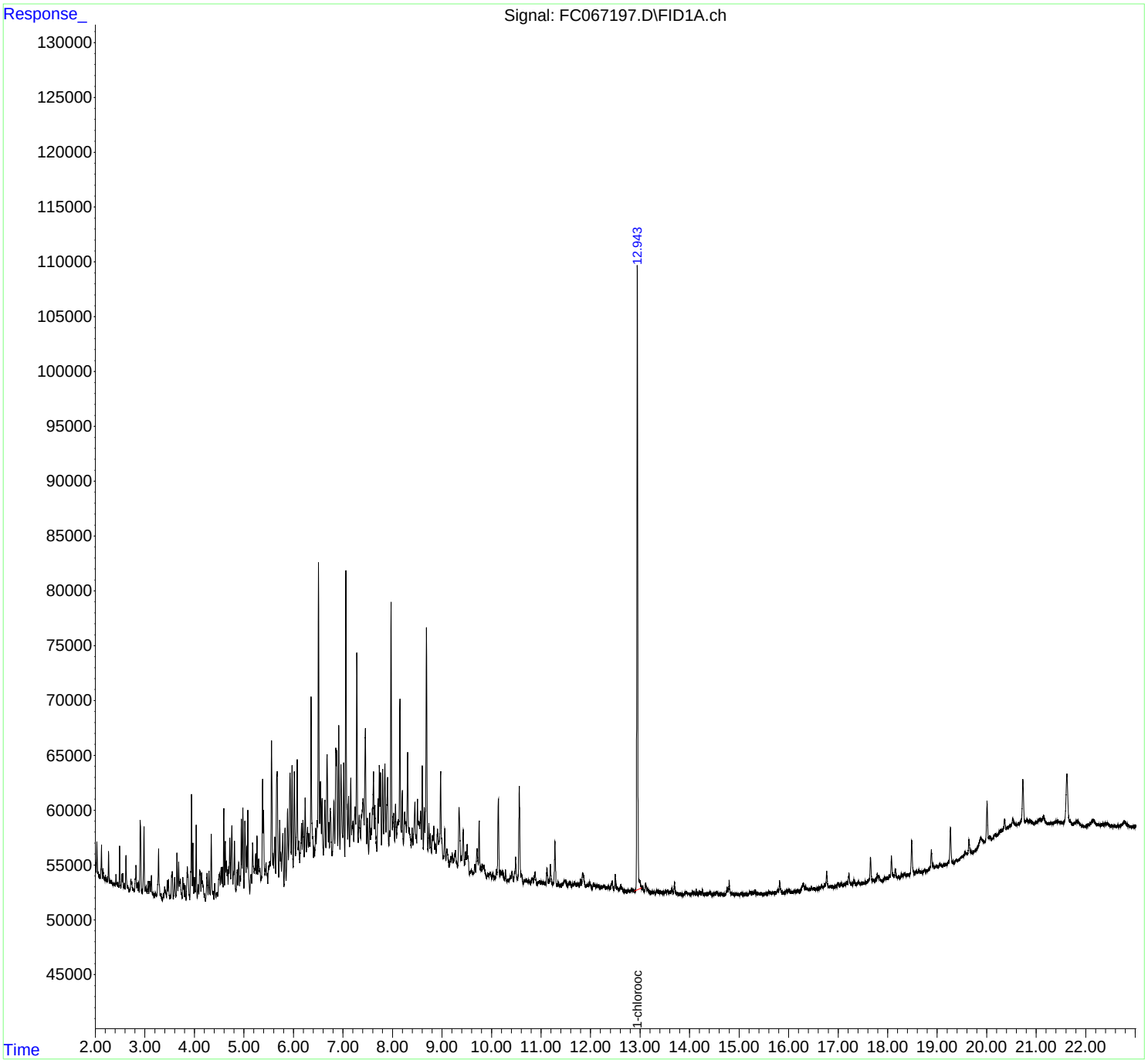
Quantitation Report (QT Reviewed)

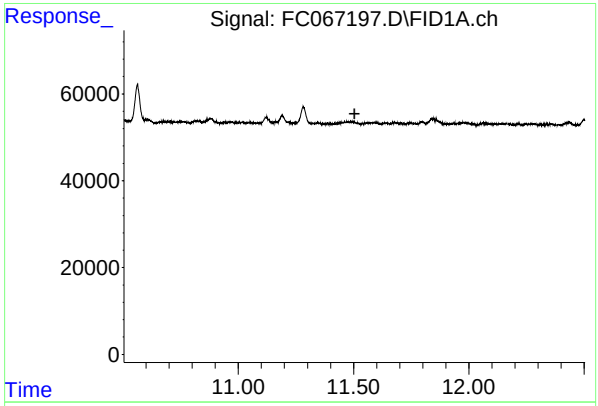
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067197.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:03
Operator : YP/AJ
Sample : P4103-16DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23DL

Integration File: autoint1.e
Quant Time: Sep 21 03:17:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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

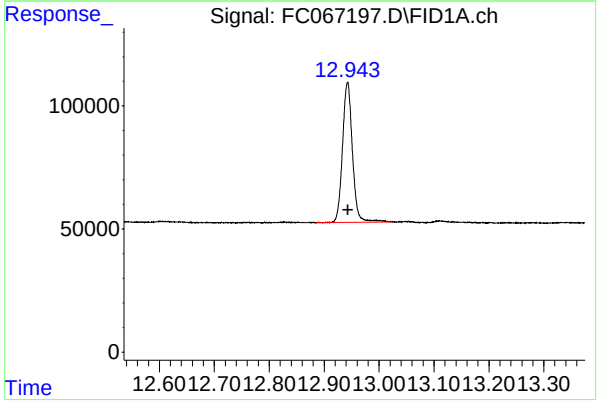




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.504 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WC-23DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.000 min
Response: 709830
Conc: 7.27 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067197.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 10:03
Sample : P4103-16DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.276	3.204	3.309	BV	4277	58242	7.63%	0.226%
2	3.320	3.309	3.353	VV	421	4993	0.65%	0.019%
3	3.374	3.353	3.384	PV	524	4852	0.64%	0.019%
4	3.399	3.384	3.435	VV	1099	19589	2.56%	0.076%
5	3.452	3.435	3.463	VV	1667	15635	2.05%	0.061%
6	3.475	3.463	3.504	VV	1775	22089	2.89%	0.086%
7	3.514	3.504	3.520	VV	289	2312	0.30%	0.009%
8	3.552	3.520	3.574	VV	2521	42992	5.63%	0.167%
9	3.601	3.574	3.624	VV	1981	27896	3.65%	0.108%
10	3.647	3.624	3.666	VV	4244	47442	6.21%	0.184%
11	3.683	3.666	3.698	VV	3358	37420	4.90%	0.145%
12	3.716	3.698	3.751	VV	1868	34851	4.56%	0.135%
13	3.767	3.751	3.778	VV	1972	19165	2.51%	0.074%
14	3.785	3.778	3.800	VV	1445	13039	1.71%	0.051%
15	3.813	3.800	3.831	VV	1276	11768	1.54%	0.046%
16	3.858	3.831	3.904	VV	2999	63106	8.26%	0.244%
17	3.943	3.904	3.958	VV	9609	114867	15.04%	0.445%
18	3.970	3.958	3.989	VV	5111	50610	6.63%	0.196%
19	4.002	3.989	4.017	VV	2076	22686	2.97%	0.088%
20	4.037	4.017	4.058	VV	6865	67865	8.89%	0.263%
21	4.076	4.058	4.089	VV	1417	16989	2.22%	0.066%
22	4.106	4.089	4.133	VV	2773	50415	6.60%	0.195%
23	4.147	4.133	4.223	VV	2481	60982	7.98%	0.236%
24	4.255	4.223	4.276	PV	2480	37524	4.91%	0.145%
25	4.294	4.276	4.316	VV	2646	35339	4.63%	0.137%
26	4.341	4.316	4.368	VV	6054	73587	9.63%	0.285%
27	4.378	4.368	4.393	VV	842	9793	1.28%	0.038%
28	4.410	4.393	4.434	VV	1547	19696	2.58%	0.076%
29	4.457	4.434	4.470	VV	716	12553	1.64%	0.049%
30	4.505	4.470	4.523	VV	2398	54865	7.18%	0.213%
31	4.539	4.523	4.552	VV	2943	38601	5.05%	0.150%
32	4.564	4.552	4.577	VV	3085	35459	4.64%	0.137%
33	4.594	4.577	4.609	VV	8377	83771	10.97%	0.325%
34	4.623	4.609	4.637	VV	5373	61030	7.99%	0.236%
35	4.647	4.637	4.680	VV	3636	72020	9.43%	0.279%
36	4.716	4.680	4.733	VV	5705	106616	13.96%	0.413%

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37	4.756	4.733	4.779	VV	6847	113722	14.89%	0.441%
38	4.810	4.779	4.838	VV	5383	92280	12.08%	0.357%
39	4.863	4.838	4.877	VV	2811	42035	5.50%	0.163%
40	4.895	4.877	4.914	VV	3400	56468	7.39%	0.219%
41	4.925	4.914	4.931	VV	2202	18648	2.44%	0.072%
42	4.948	4.931	4.963	VV	7409	84318	11.04%	0.327%
43	4.979	4.963	5.001	VV	8547	109286	14.31%	0.423%
44	5.021	5.001	5.044	VV	7101	112349	14.71%	0.435%
45	5.056	5.044	5.066	VV	4912	51519	6.75%	0.200%
46	5.080	5.066	5.119	VV	8132	117319	15.36%	0.455%
47	5.145	5.119	5.157	VV	2356	42653	5.58%	0.165%
48	5.177	5.157	5.207	VV	5186	98631	12.91%	0.382%
49	5.237	5.207	5.250	VV	4210	82978	10.86%	0.321%
50	5.266	5.250	5.281	VV	5861	74813	9.80%	0.290%
51	5.298	5.281	5.342	VV	3755	104895	13.73%	0.406%
52	5.377	5.342	5.389	VV	11010	146382	19.17%	0.567%
53	5.397	5.389	5.426	VV	8200	104857	13.73%	0.406%
54	5.447	5.426	5.482	VV	3439	85859	11.24%	0.333%
55	5.499	5.482	5.506	VV	3099	37488	4.91%	0.145%
56	5.521	5.506	5.533	VV	3515	52114	6.82%	0.202%
57	5.558	5.533	5.582	VV	14386	231271	30.28%	0.896%
58	5.590	5.582	5.601	VV	4257	41028	5.37%	0.159%
59	5.624	5.601	5.641	VV	5646	97278	12.74%	0.377%
60	5.670	5.641	5.703	VV	11579	263602	34.51%	1.021%
61	5.724	5.703	5.757	VV	7263	140713	18.42%	0.545%
62	5.785	5.757	5.809	VV	6030	120614	15.79%	0.467%
63	5.830	5.809	5.852	VV	6499	93835	12.29%	0.364%
64	5.881	5.852	5.901	VV	8316	147482	19.31%	0.571%
65	5.932	5.901	5.955	VV	11578	245150	32.10%	0.950%
66	5.973	5.955	5.994	VV	12341	165806	21.71%	0.642%
67	6.019	5.994	6.044	VV	11641	199998	26.19%	0.775%
68	6.077	6.044	6.095	VV	12845	227777	29.82%	0.882%
69	6.106	6.095	6.127	VV	5326	88057	11.53%	0.341%
70	6.164	6.127	6.178	VV	6951	159137	20.84%	0.617%
71	6.193	6.178	6.218	VV	7113	139110	18.21%	0.539%
72	6.238	6.218	6.262	VV	9316	167304	21.90%	0.648%
73	6.285	6.262	6.301	VV	6454	128194	16.78%	0.497%
74	6.313	6.301	6.338	VV	6109	118715	15.54%	0.460%
75	6.357	6.338	6.407	VV	18453	351052	45.96%	1.360%
76	6.417	6.407	6.430	VV	4686	60112	7.87%	0.233%
77	6.448	6.430	6.461	VV	6510	102868	13.47%	0.399%
78	6.507	6.461	6.531	VV	30504	517840	67.80%	2.006%
79	6.546	6.531	6.565	VV	10658	174129	22.80%	0.675%
80	6.578	6.565	6.605	VV	9197	154471	20.22%	0.598%
81	6.635	6.605	6.655	VV	8986	195692	25.62%	0.758%
82	6.680	6.655	6.705	VV	13188	262905	34.42%	1.019%
83	6.715	6.705	6.727	VV	6972	79034	10.35%	0.306%
84	6.745	6.727	6.778	VV	8128	195911	25.65%	0.759%
85	6.817	6.778	6.835	VV	8857	209363	27.41%	0.811%
86	6.859	6.835	6.895	VV	13772	362554	47.47%	1.405%
87	6.916	6.895	6.940	VV	15628	246402	32.26%	0.955%
88	6.962	6.940	6.998	VV	12267	274730	35.97%	1.064%
89	7.017	6.998	7.037	VV	12428	189814	24.85%	0.735%

90	7.060	7.037	7.097	VV	29603	467151	61.16%	1.810%
91	7.114	7.097	7.134	VV	9345	156358	20.47%	0.606%
92	7.159	7.134	7.194	VV	11060	264164	34.59%	1.023%
93	7.201	7.194	7.218	VV	7042	92943	12.17%	0.360%
94	7.245	7.218	7.258	VV	8405	170803	22.36%	0.662%
95	7.281	7.258	7.308	VV	22404	353768	46.32%	1.371%
96	7.329	7.308	7.356	VV	7602	189052	24.75%	0.732%
97	7.405	7.356	7.427	VV	9182	330499	43.27%	1.280%
98	7.453	7.427	7.480	VV	15516	318044	41.64%	1.232%
99	7.495	7.480	7.520	VV	7330	140916	18.45%	0.546%
100	7.540	7.520	7.557	VV	7800	136669	17.89%	0.529%
101	7.569	7.557	7.577	VV	6445	75255	9.85%	0.292%
102	7.618	7.577	7.634	VV	11523	285374	37.36%	1.106%
103	7.646	7.634	7.685	VV	8469	193481	25.33%	0.750%
104	7.707	7.685	7.719	VV	9082	143057	18.73%	0.554%
105	7.736	7.719	7.748	VV	12179	171692	22.48%	0.665%
106	7.759	7.748	7.779	VV	11448	157241	20.59%	0.609%
107	7.803	7.779	7.822	VV	11826	209844	27.47%	0.813%
108	7.848	7.822	7.870	VV	12285	252868	33.11%	0.980%
109	7.901	7.870	7.926	VV	11084	269681	35.31%	1.045%
110	7.972	7.926	7.999	VV	26920	476119	62.34%	1.845%
111	8.021	7.999	8.044	VV	7760	186222	24.38%	0.721%
112	8.062	8.044	8.082	VV	8678	157194	20.58%	0.609%
113	8.151	8.082	8.181	VV	18142	511150	66.92%	1.980%
114	8.199	8.181	8.221	VV	9702	174583	22.86%	0.676%
115	8.247	8.221	8.281	VV	7822	237101	31.04%	0.919%
116	8.307	8.281	8.334	VV	13369	278272	36.43%	1.078%
117	8.341	8.334	8.379	VV	6352	151526	19.84%	0.587%
118	8.398	8.379	8.415	VV	6370	120321	15.75%	0.466%
119	8.453	8.415	8.491	VV	8847	292021	38.23%	1.131%
120	8.507	8.491	8.551	VV	9002	256340	33.56%	0.993%
121	8.569	8.551	8.585	VV	7965	141254	18.49%	0.547%
122	8.603	8.585	8.625	VV	12055	198172	25.95%	0.768%
123	8.642	8.625	8.656	VV	8288	124583	16.31%	0.483%
124	8.688	8.656	8.718	VV	24614	432625	56.64%	1.676%
125	8.737	8.718	8.753	VV	6666	120109	15.73%	0.465%
126	8.765	8.753	8.786	VV	5846	99345	13.01%	0.385%
127	8.808	8.786	8.821	VV	5725	109742	14.37%	0.425%
128	8.834	8.821	8.854	VV	6556	112076	14.67%	0.434%
129	8.865	8.854	8.881	VV	4930	74625	9.77%	0.289%
130	8.911	8.881	8.931	VV	6307	161736	21.18%	0.627%
131	8.974	8.931	9.024	VV	11583	346423	45.36%	1.342%
132	9.057	9.024	9.080	VV	6268	154292	20.20%	0.598%
133	9.102	9.080	9.148	VV	4451	151052	19.78%	0.585%
134	9.174	9.148	9.188	VV	3802	83219	10.90%	0.322%
135	9.206	9.188	9.228	VV	4099	88289	11.56%	0.342%
136	9.273	9.228	9.315	VV	4293	190282	24.91%	0.737%
137	9.347	9.315	9.382	VV	8237	214992	28.15%	0.833%
138	9.429	9.382	9.454	VV	6195	190311	24.92%	0.737%
139	9.479	9.454	9.493	VV	4212	85211	11.16%	0.330%
140	9.509	9.493	9.558	VV	4900	138414	18.12%	0.536%
141	9.591	9.558	9.640	VV	2556	117451	15.38%	0.455%

142	9.664	9.640	9.681	VV	3084	67117	8.79%	0.260%
143	9.708	9.681	9.732	VV	4502	107651	14.09%	0.417%
144	9.751	9.732	9.794	VV	6988	147119	19.26%	0.570%
145	9.812	9.794	9.848	VV	2996	90331	11.83%	0.350%
146	9.854	9.848	9.904	VV	2980	78709	10.31%	0.305%
147	9.924	9.904	9.945	VV	2248	50824	6.65%	0.197%
148	9.983	9.945	10.006	VV	2353	77462	10.14%	0.300%
149	10.028	10.006	10.070	VV	2220	74384	9.74%	0.288%
150	10.098	10.070	10.110	VV	2579	51357	6.72%	0.199%
151	10.139	10.110	10.168	VV	8984	168292	22.03%	0.652%
152	10.185	10.168	10.201	VV	2425	44288	5.80%	0.172%
153	10.227	10.201	10.261	VV	2402	76374	10.00%	0.296%
154	10.285	10.261	10.311	VV	2537	58737	7.69%	0.228%
155	10.323	10.311	10.342	VV	1579	29082	3.81%	0.113%
156	10.380	10.342	10.394	VV	1935	54552	7.14%	0.211%
157	10.417	10.394	10.445	VV	2380	60925	7.98%	0.236%
158	10.488	10.445	10.527	VV	3706	111905	14.65%	0.434%
159	10.562	10.527	10.594	VV	10052	191016	25.01%	0.740%
160	10.605	10.594	10.641	VV	2104	49583	6.49%	0.192%
161	10.694	10.641	10.732	VV	1646	82601	10.81%	0.320%
162	10.745	10.732	10.789	VV	1587	50506	6.61%	0.196%
163	10.820	10.789	10.844	VV	1739	51980	6.81%	0.201%
164	10.880	10.844	10.928	VV	2265	84443	11.06%	0.327%
165	10.942	10.928	10.951	VV	1382	18327	2.40%	0.071%
166	10.969	10.951	11.011	VV	1504	50759	6.65%	0.197%
167	11.017	11.011	11.031	VV	1411	16381	2.14%	0.063%
168	11.050	11.031	11.094	VV	1409	48557	6.36%	0.188%
169	11.121	11.094	11.149	VV	2608	60725	7.95%	0.235%
170	11.190	11.149	11.231	VV	2912	86698	11.35%	0.336%
171	11.282	11.231	11.315	VV	5026	116280	15.22%	0.450%
172	11.324	11.315	11.332	VV	1177	11583	1.52%	0.045%
173	11.346	11.332	11.369	VV	1288	26065	3.41%	0.101%
174	11.386	11.369	11.419	VV	1192	32191	4.21%	0.125%
175	11.429	11.419	11.434	VV	1204	9731	1.27%	0.038%
176	11.491	11.434	11.532	VV	1507	78041	10.22%	0.302%
177	11.594	11.532	11.614	VV	1342	59352	7.77%	0.230%
178	11.639	11.614	11.657	VV	1246	28890	3.78%	0.112%
179	11.679	11.657	11.723	VV	1349	46481	6.09%	0.180%
180	11.746	11.723	11.773	VV	1264	34042	4.46%	0.132%
181	11.797	11.773	11.815	VV	1580	32116	4.20%	0.124%
182	11.841	11.815	11.905	VV	2130	82380	10.79%	0.319%
183	11.931	11.905	11.944	VV	1098	24362	3.19%	0.094%
184	11.983	11.944	12.034	VV	1299	58432	7.65%	0.226%
185	12.063	12.034	12.101	VV	1246	41789	5.47%	0.162%
186	12.111	12.101	12.121	VV	1053	11772	1.54%	0.046%
187	12.142	12.121	12.199	VV	1043	44536	5.83%	0.173%
188	12.215	12.199	12.238	VV	999	20688	2.71%	0.080%
189	12.277	12.238	12.308	VV	994	38171	5.00%	0.148%
190	12.358	12.308	12.398	VV	994	45341	5.94%	0.176%
191	12.436	12.398	12.469	VV	1398	42637	5.58%	0.165%
192	12.499	12.469	12.534	VV	2001	44559	5.83%	0.173%
193	12.541	12.534	12.578	VV	849	18942	2.48%	0.073%
194	12.604	12.578	12.711	VV	983	53196	6.96%	0.206%

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195	12.760	12.741	12.803	VV	570	18580	2.43%	0.072%
196	12.826	12.803	12.868	VV	690	22133	2.90%	0.086%
197	12.877	12.868	12.885	VV	545	5413	0.71%	0.021%
198	12.892	12.885	12.899	VV	519	4161	0.54%	0.016%
199	12.943	12.899	13.034	VV	57251	763779	100.00%	2.959%
200	13.050	13.034	13.084	VV	893	21605	2.83%	0.084%
201	13.110	13.084	13.224	VV	1206	51506	6.74%	0.200%
202	13.235	13.224	13.258	VV	405	7015	0.92%	0.027%
203	13.273	13.258	13.303	VV	419	9765	1.28%	0.038%
204	13.340	13.303	13.364	VV	512	14389	1.88%	0.056%
205	13.437	13.424	13.461	VV	424	7534	0.99%	0.029%
206	13.520	13.489	13.543	VV	495	13647	1.79%	0.053%
207	13.557	13.543	13.588	VV	485	11017	1.44%	0.043%
208	13.605	13.588	13.622	VV	415	7331	0.96%	0.028%
209	13.644	13.622	13.672	VV	725	14839	1.94%	0.057%
210	13.695	13.672	13.748	VV	1232	24253	3.18%	0.094%
211	13.788	13.776	13.809	VV	217	3631	0.48%	0.014%
212	13.818	13.809	13.841	VV	236	3467	0.45%	0.013%
213	13.849	13.841	13.884	VV	240	4141	0.54%	0.016%
214	14.059	14.023	14.088	VV	374	9691	1.27%	0.038%
215	14.095	14.088	14.114	VV	254	3494	0.46%	0.014%
216	14.137	14.114	14.165	VV	360	6532	0.86%	0.025%
217	14.206	14.165	14.235	VV	434	10385	1.36%	0.040%
218	14.260	14.235	14.293	VV	551	9241	1.21%	0.036%
219	14.314	14.293	14.344	VV	233	4615	0.60%	0.018%
220	14.505	14.480	14.521	VV	251	3897	0.51%	0.015%
221	14.549	14.521	14.586	VV	369	8198	1.07%	0.032%
222	14.686	14.673	14.718	VV	91	1939	0.25%	0.008%
223	14.752	14.718	14.776	VV	676	13688	1.79%	0.053%
224	14.894	14.882	14.910	VV	120	1832	0.24%	0.007%
225	14.925	14.910	15.014	VV	157	6246	0.82%	0.024%
226	15.034	15.014	15.072	VV	263	4352	0.57%	0.017%
227	15.081	15.072	15.088	PV	103	487	0.06%	0.002%
228	15.107	15.088	15.134	PV	154	2419	0.32%	0.009%
229	15.137	15.134	15.181	VV	154	1625	0.21%	0.006%
230	15.223	15.181	15.254	PV	274	7724	1.01%	0.030%
231	15.273	15.254	15.290	VV	213	3367	0.44%	0.013%
232	15.318	15.290	15.364	VV	401	9522	1.25%	0.037%
233	15.372	15.364	15.418	VV	212	4118	0.54%	0.016%
234	15.606	15.538	15.618	VV	245	5456	0.71%	0.021%
235	15.622	15.618	15.629	VV	220	1046	0.14%	0.004%
236	15.634	15.629	15.668	VV	160	2516	0.33%	0.010%
237	15.682	15.668	15.740	VV	160	4949	0.65%	0.019%
238	15.783	15.740	15.796	VV	387	6932	0.91%	0.027%
239	15.818	15.796	15.930	VV	1143	23222	3.04%	0.090%
240	15.964	15.930	15.998	PV	244	6466	0.85%	0.025%
241	16.013	15.998	16.087	VV	304	5127	0.67%	0.020%
242	16.110	16.087	16.132	VV	158	2351	0.31%	0.009%
243	16.184	16.132	16.228	VV	134	4605	0.60%	0.018%
244	16.300	16.228	16.328	PV	733	20827	2.73%	0.081%
245	16.348	16.328	16.397	VV	311	8126	1.06%	0.031%
246	16.424	16.397	16.444	VV	121	2802	0.37%	0.011%

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247	16.457	16.444	16.481	VV	277	4187	0.55%	0.016%
248	16.501	16.481	16.515	VV	182	2451	0.32%	0.009%
249	16.528	16.515	16.541	VV	126	1459	0.19%	0.006%
250	16.555	16.541	16.584	VV	118	1623	0.21%	0.006%
251	16.664	16.584	16.696	VV	355	9869	1.29%	0.038%
252	16.734	16.696	16.743	VV	381	7734	1.01%	0.030%
253	16.767	16.743	16.826	VV	1503	26974	3.53%	0.104%
254	16.839	16.826	16.851	VV	121	1467	0.19%	0.006%
255	16.881	16.851	16.904	VV	179	3460	0.45%	0.013%
256	17.000	16.904	17.030	PV	378	11250	1.47%	0.044%
257	17.052	17.030	17.104	VV	275	7150	0.94%	0.028%
258	17.115	17.104	17.141	VV	244	3451	0.45%	0.013%
259	17.172	17.141	17.194	VV	421	8449	1.11%	0.033%
260	17.218	17.194	17.261	VV	1084	19217	2.52%	0.074%
261	17.279	17.261	17.292	VV	162	2226	0.29%	0.009%
262	17.319	17.292	17.351	VV	477	8822	1.16%	0.034%
263	17.414	17.351	17.454	VV	271	7536	0.99%	0.029%
264	17.464	17.454	17.474	VV	62	466	0.06%	0.002%
265	17.500	17.474	17.525	VV	204	3017	0.39%	0.012%
266	17.546	17.525	17.571	PV	227	3152	0.41%	0.012%
267	17.653	17.571	17.687	VV	2307	45662	5.98%	0.177%
268	17.715	17.687	17.741	VV	321	6751	0.88%	0.026%
269	17.789	17.741	17.809	VV	786	16393	2.15%	0.064%
270	17.821	17.809	17.907	VV	587	13042	1.71%	0.051%
271	17.938	17.907	17.974	PV	363	9141	1.20%	0.035%
272	17.997	17.974	18.011	VV	317	5133	0.67%	0.020%
273	18.032	18.011	18.048	VV	445	7472	0.98%	0.029%
274	18.076	18.048	18.121	VV	2128	39930	5.23%	0.155%
275	18.155	18.121	18.212	VV	883	20672	2.71%	0.080%
276	18.222	18.212	18.248	VV	190	2519	0.33%	0.010%
277	18.281	18.248	18.294	PV	307	4706	0.62%	0.018%
278	18.316	18.294	18.374	VV	316	10662	1.40%	0.041%
279	18.384	18.374	18.400	VV	221	2473	0.32%	0.010%
280	18.414	18.400	18.431	VV	145	1941	0.25%	0.008%
281	18.485	18.431	18.550	VV	3128	58105	7.61%	0.225%
282	18.578	18.550	18.598	PV	358	5655	0.74%	0.022%
283	18.630	18.598	18.670	VV	332	7842	1.03%	0.030%
284	18.684	18.670	18.704	VV	115	1100	0.14%	0.004%
285	18.747	18.704	18.768	VV	154	3700	0.48%	0.014%
286	18.791	18.768	18.808	VV	94	1499	0.20%	0.006%
287	18.882	18.808	18.948	PV	1793	38993	5.11%	0.151%
288	18.975	18.948	19.019	VV	322	7455	0.98%	0.029%
289	19.055	19.019	19.066	VV	383	6177	0.81%	0.024%
290	19.070	19.066	19.108	VV	224	3195	0.42%	0.012%
291	19.127	19.108	19.144	VV	157	2936	0.38%	0.011%
292	19.147	19.144	19.154	VV	154	705	0.09%	0.003%
293	19.178	19.154	19.194	VV	117	2579	0.34%	0.010%
294	19.267	19.194	19.344	VV	3318	64558	8.45%	0.250%
295	19.382	19.344	19.411	PV	264	6560	0.86%	0.025%
296	19.566	19.411	19.614	VV	636	42337	5.54%	0.164%
297	19.643	19.614	19.671	VV	1643	31928	4.18%	0.124%
298	19.683	19.671	19.698	VV	502	6839	0.90%	0.026%
299	19.883	19.698	19.911	VV	1467	94587	12.38%	0.366%

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300	19.917	19.911	19.951	VV	1169	25311	3.31%	0.098%
301	20.008	19.951	20.041	VV	4513	105726	13.84%	0.410%
302	20.062	20.041	20.094	VV	1310	36572	4.79%	0.142%
303	20.175	20.094	20.214	VV	1290	78946	10.34%	0.306%
304	20.276	20.214	20.292	VV	1451	60274	7.89%	0.234%
305	20.326	20.292	20.334	VV	1494	36131	4.73%	0.140%
306	20.363	20.334	20.398	VV	2258	67269	8.81%	0.261%
307	20.410	20.398	20.421	VV	1439	19914	2.61%	0.077%
308	20.528	20.421	20.578	VV	2038	153268	20.07%	0.594%
309	20.588	20.578	20.621	VV	1498	37344	4.89%	0.145%
310	20.634	20.621	20.648	VV	1483	22770	2.98%	0.088%
311	20.731	20.648	20.774	VV	5271	177306	23.21%	0.687%
312	20.809	20.774	20.851	VV	1515	66411	8.69%	0.257%
313	20.869	20.851	20.958	VV	1357	74699	9.78%	0.289%

Sum of corrected areas: 25812551

Aliphatic EPH 091024.M Sat Sep 21 07:55:51 2024

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC091024AL

AreaCount

Parameter Range	FC067073.D	FC067074.D	FC067075.D	FC067076.D	FC067077.D	
Aliphatic C9-C12	37966476.000	19170711.000	7623269.000	4208619.000	2194727.000	
Aliphatic C12-C16	24507944.000	12354744.000	4913377.000	2717745.000	1396955.000	
Aliphatic C16-C21	34761657.000	17414370.000	6941014.000	3886556.000	1963181.000	
Aliphatic C21-C28	42848455.000	21438046.000	8576280.000	4728535.000	2402175.000	
Aliphatic C28-C40	50004422.000	25281319.000	10317122.000	5541460.000	2860803.000	
Aliphatic EPH	190088954.000	95659190.000	38371062.000	21082915.000	10817841.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	133603.3153332	6.824				
Aliphatic C12-C16	128900.867	6.389				
Aliphatic C16-C21	121616.431333	6.467				
Aliphatic C21-C28	111967.3985	5.896				
Aliphatic C28-C40	88261.1099996	6.009				
Aliphatic EPH	111160.9571106	6.246				

Concentration

Parameter Range	FC067073.D	FC067074.D	FC067075.D	FC067076.D	FC067077.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	FC067073.D	FC067074.D	FC067075.D	FC067076.D	FC067077.D	
Aliphatic C9-C12	126554.920000	127804.740000	127054.483333	140287.300000	146315.133333	
Aliphatic C12-C16	122539.720000	123547.440000	122834.425000	135887.250000	139695.500000	
Aliphatic C16-C21	115872.190000	116095.800000	115683.566666	129551.866666	130878.733333	

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

Inital Calibration Report for SequenceID : FC091024AL

Aliphatic C21-C28	107121.137500	107190.230000	107203.500000	118213.375000	120108.750000	
Aliphatic C28-C40	83340.703333	84271.063333	85976.016666	92357.666666	95360.100000	
Aliphatic EPH	105604.974444	106287.988888	106586.283333	117127.305555	120198.233333	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067073.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:08
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: sample.E
Quant Time: Sep 11 02:51:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 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)	11.516	13180678	99.841 ug/ml
Spiked Amount	50.000		Recovery =	199.68%
12) S	1-chlorooctadecane (S...	12.952	9590092	101.883 ug/ml
Spiked Amount	50.000		Recovery =	203.77%
	Target Compounds			
1) T	n-Nonane (C9)	3.280	12551821	99.840 ug/ml
2) T	n-Decane (C10)	4.347	12737455	99.761 ug/ml
3) T	A~Naphthalene (C11.7)	5.927	13632460	100.264 ug/ml
4) T	n-Dodecane (C12)	6.366	12677200	99.809 ug/ml
5) T	A~2-methylnaphthalene...	6.985	12925758	100.605 ug/ml
6) T	n-Tetradecane (C14)	8.160	12219543	99.717 ug/ml
7) T	n-Hexadecane (C16)	9.760	12288401	100.042 ug/ml
8) T	n-Octadecane (C18)	11.202	12141500	99.845 ug/ml
10) T	n-Eicosane (C20)	12.509	11443332	100.148 ug/ml
11) T	n-Heneicosane (C21)	13.121	11176825	100.271 ug/ml
13) T	n-Docosane (C22)	13.707	11037483	100.252 ug/ml
14) T	n-Tetracosane (C24)	14.809	10876377	100.221 ug/ml
15) T	n-Hexacosane (C26)	15.828	10614268	99.859 ug/ml
16) T	n-Octacosane (C28)	16.777	10320327	99.486 ug/ml
17) T	n-Tricontane (C30)	17.665	10319047	98.836 ug/ml
18) T	n-Dotriacontane (C32)	18.495	9858807	98.659 ug/ml
19) T	n-Tetratriacontane (C34)	19.278	8705913	98.521 ug/ml
20) T	n-Hexatriacontane (C36)	20.016	7525818	98.719 ug/ml
21) T	n-Octatriacontane (C38)	20.742	7063203	97.785 ug/ml
22) T	n-Tetracontane (C40)	21.636	6531634	97.802 ug/ml

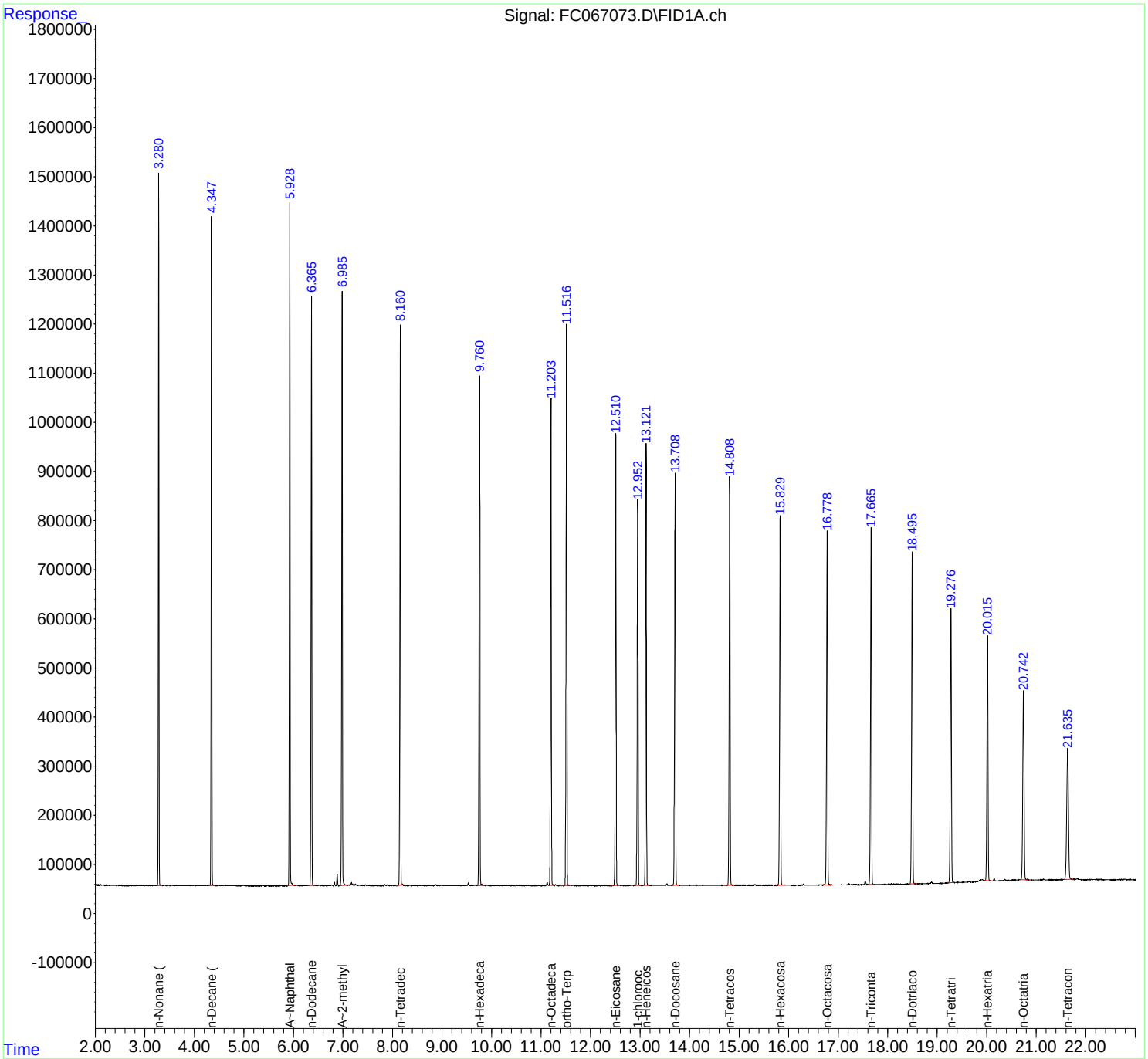
(f)=RT Delta > 1/2 Window (m)=manual int.

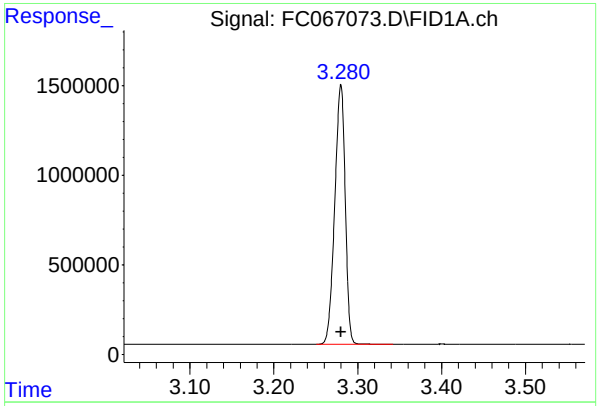
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067073.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:08
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: sample.E
Quant Time: Sep 11 02:51:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

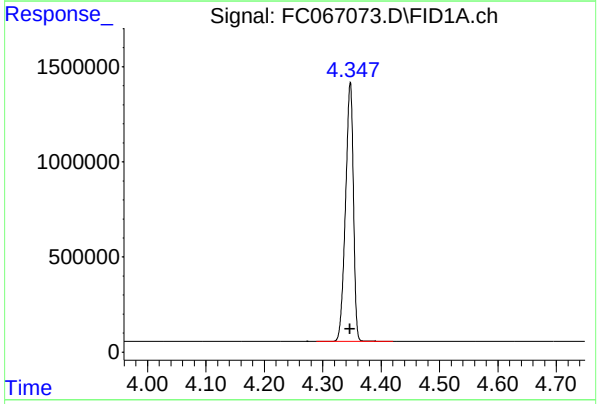




#1 n-Nonane (C9)

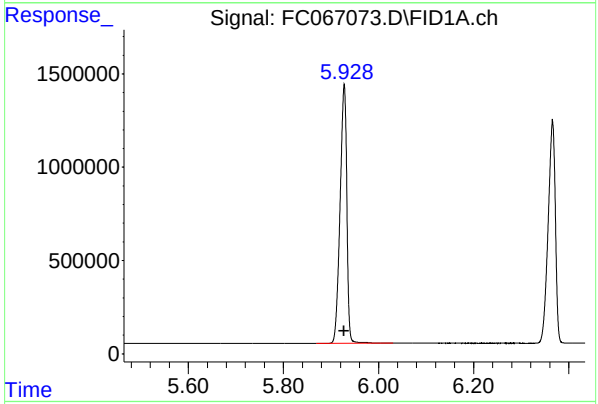
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 12551821
Conc: 99.84 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



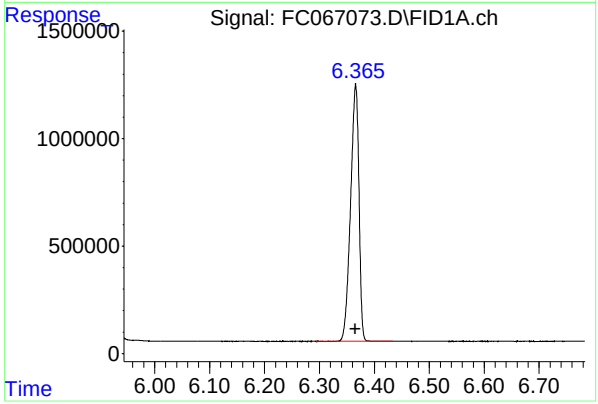
#2 n-Decane (C10)

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 12737455
Conc: 99.76 ug/ml



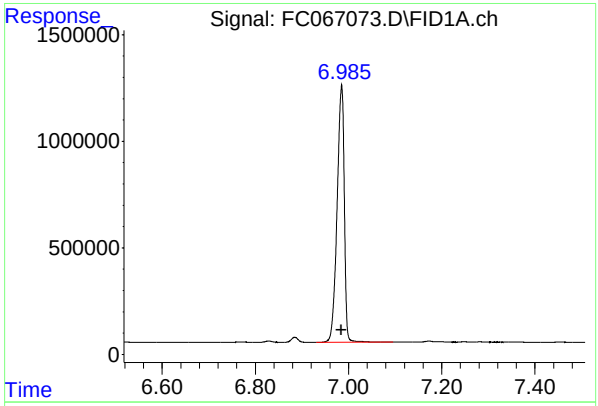
#3 A~Naphthalene (C11.7)

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 13632460
Conc: 100.26 ug/ml



#4 n-Dodecane (C12)

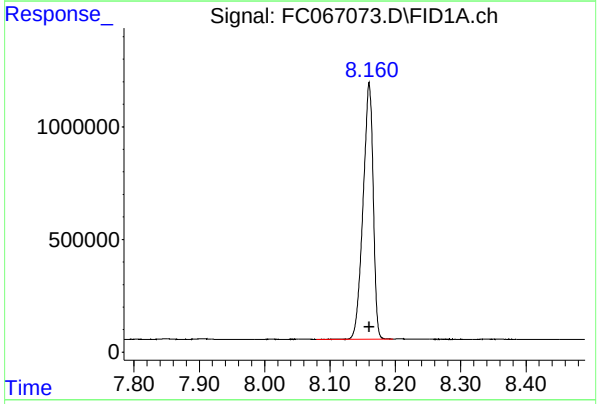
R.T.: 6.366 min
Delta R.T.: 0.000 min
Response: 12677200
Conc: 99.81 ug/ml



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

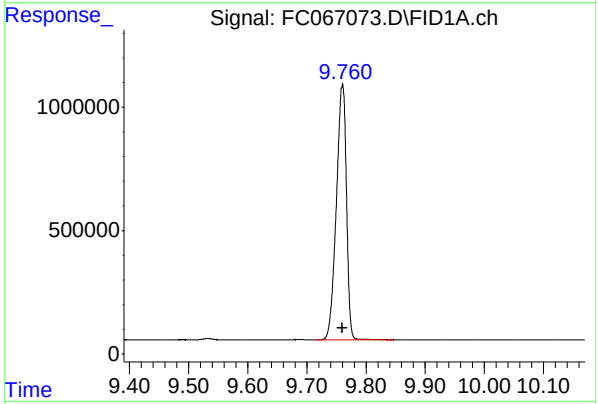
R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 12925758
Conc: 100.61 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



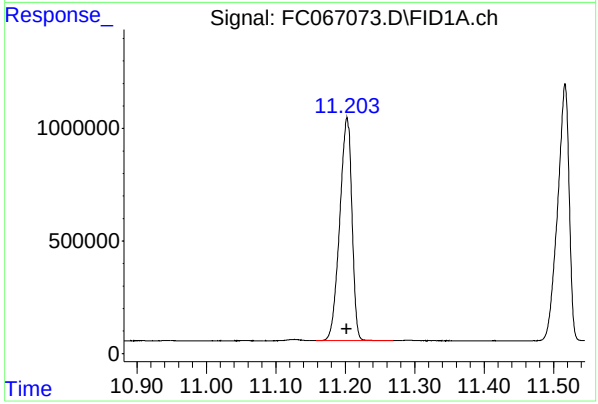
#6 n-Tetradecane (C14)

R.T.: 8.160 min
Delta R.T.: 0.000 min
Response: 12219543
Conc: 99.72 ug/ml



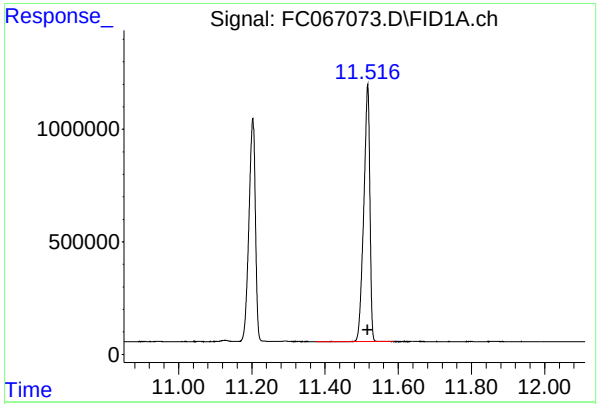
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 12288401
Conc: 100.04 ug/ml



#8 n-Octadecane (C18)

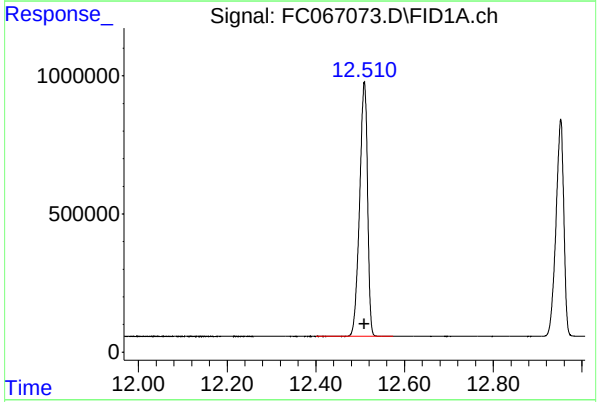
R.T.: 11.202 min
Delta R.T.: 0.000 min
Response: 12141500
Conc: 99.84 ug/ml



#9 ortho-Terphenyl (SURR)

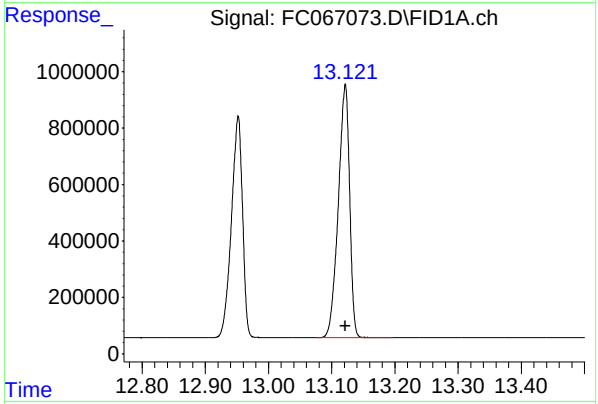
R.T.: 11.516 min
Delta R.T.: 0.000 min
Response: 13180678
Conc: 99.84 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



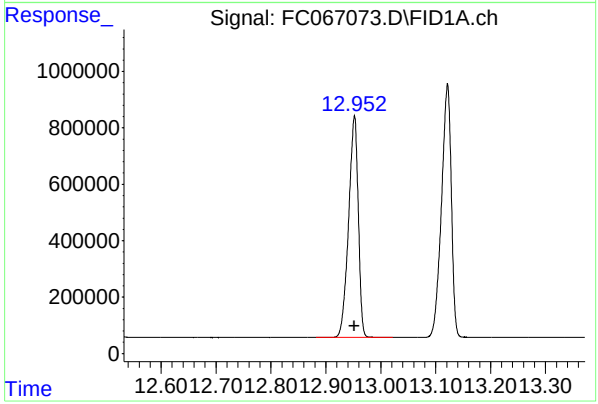
#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: 0.000 min
Response: 11443332
Conc: 100.15 ug/ml



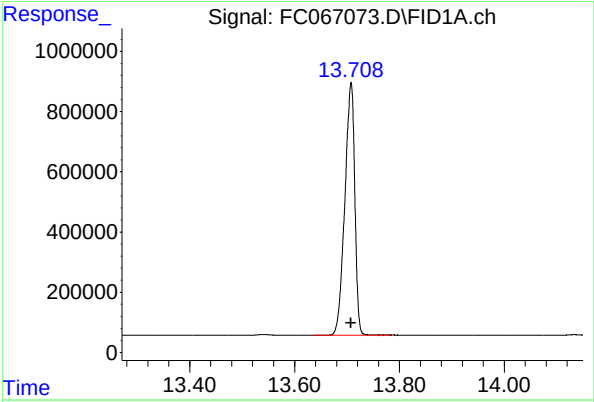
#11 n-Heneicosane (C21)

R.T.: 13.121 min
Delta R.T.: 0.000 min
Response: 11176825
Conc: 100.27 ug/ml



#12 1-chlorooctadecane (SURR)

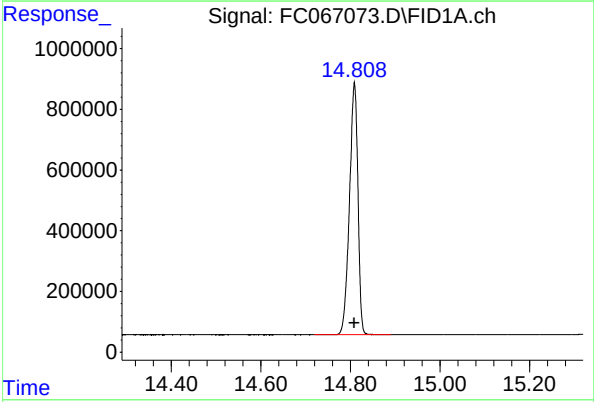
R.T.: 12.952 min
Delta R.T.: 0.000 min
Response: 9590092
Conc: 101.88 ug/ml



#13 n-Docosane (C22)

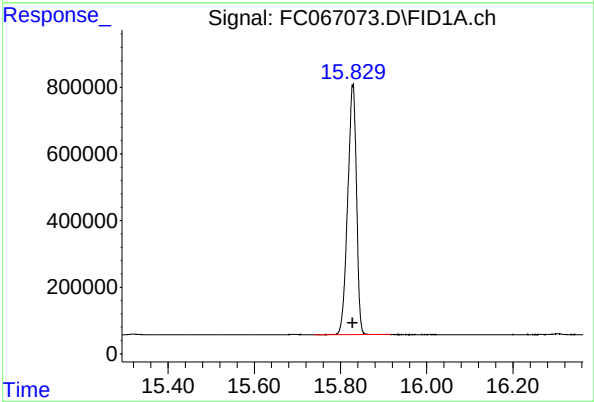
R.T.: 13.707 min
Delta R.T.: 0.000 min
Response: 11037483
Conc: 100.25 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



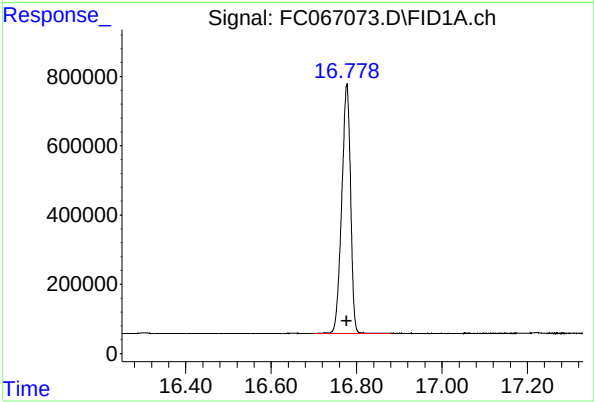
#14 n-Tetracosane (C24)

R.T.: 14.809 min
Delta R.T.: 0.000 min
Response: 10876377
Conc: 100.22 ug/ml



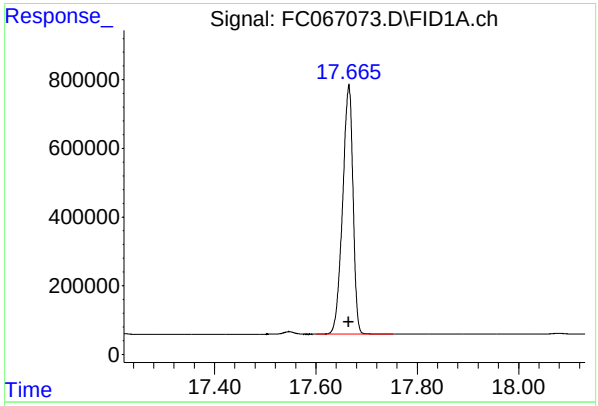
#15 n-Hexacosane (C26)

R.T.: 15.828 min
Delta R.T.: 0.000 min
Response: 10614268
Conc: 99.86 ug/ml



#16 n-Octacosane (C28)

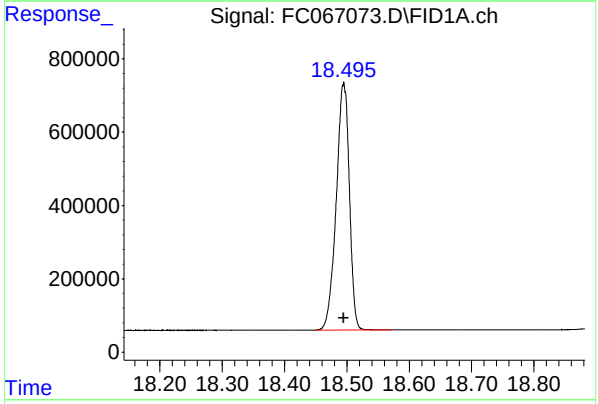
R.T.: 16.777 min
Delta R.T.: 0.000 min
Response: 10320327
Conc: 99.49 ug/ml



#17 n-Tricontane (C30)

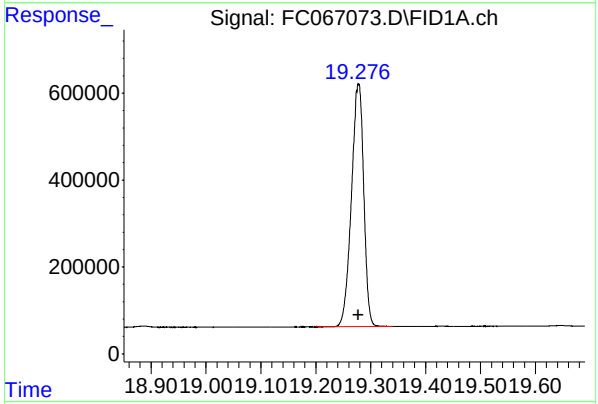
R.T.: 17.665 min
Delta R.T.: 0.000 min
Response: 10319047
Conc: 98.84 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



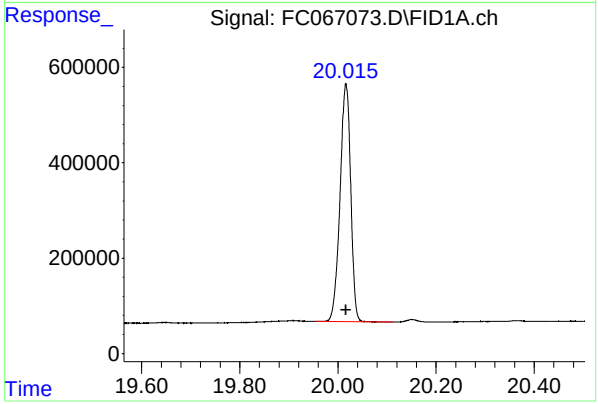
#18 n-Dotriacontane (C32)

R.T.: 18.495 min
Delta R.T.: 0.000 min
Response: 9858807
Conc: 98.66 ug/ml



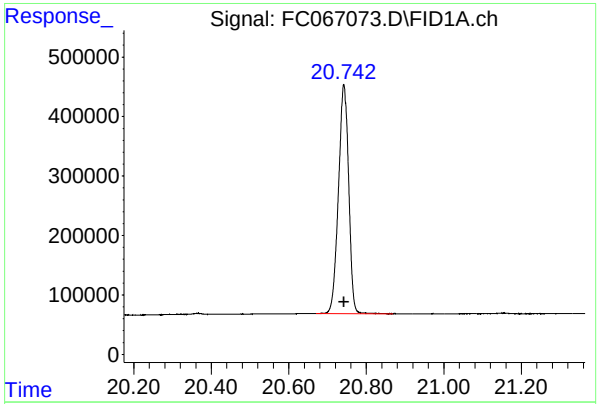
#19 n-Tetratriacontane (C34)

R.T.: 19.278 min
Delta R.T.: 0.000 min
Response: 8705913
Conc: 98.52 ug/ml



#20 n-Hexatriacontane (C36)

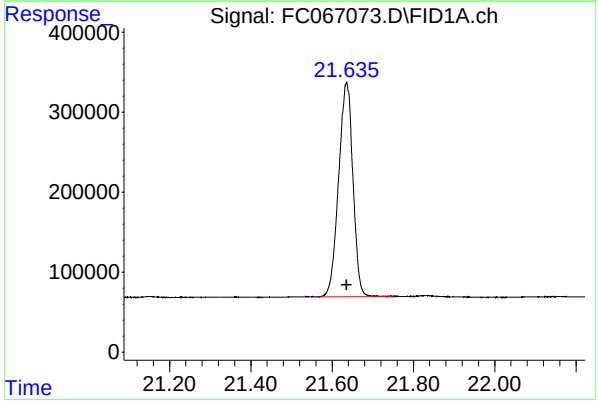
R.T.: 20.016 min
Delta R.T.: 0.000 min
Response: 7525818
Conc: 98.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.742 min
Delta R.T.: 0.000 min
Response: 7063203
Conc: 97.79 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.636 min
Delta R.T.: 0.000 min
Response: 6531634
Conc: 97.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067073.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:08
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 091024.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	3.280	3.250	3.342	BB	1459697	12551821	92.07%	5.243%
2	4.347	4.289	4.420	BB	1362990	12737455	93.43%	5.320%
3	5.927	5.869	6.030	BB	1384307	13632460	100.00%	5.694%
4	6.366	6.294	6.434	BB	1194544	12677200	92.99%	5.295%
5	6.985	6.930	7.095	BV	1214867	12925758	94.82%	5.399%
6	8.160	8.079	8.196	BV	1138439	12219543	89.64%	5.104%
7	9.760	9.715	9.845	BB	1037060	12288401	90.14%	5.133%
8	11.202	11.158	11.269	VV	989820	12141500	89.06%	5.071%
9	11.516	11.375	11.585	BB	1134554	13180678	96.69%	5.505%
10	12.509	12.400	12.574	BB	921699	11443332	83.94%	4.780%
11	12.952	12.882	13.022	BB	786888	9590092	70.35%	4.006%
12	13.121	13.075	13.197	BB	903972	11176825	81.99%	4.668%
13	13.707	13.637	13.784	BB	835972	11037483	80.96%	4.610%
14	14.809	14.719	14.890	BB	829959	10876377	79.78%	4.543%
15	15.828	15.739	15.917	BB	747188	10614268	77.86%	4.433%
16	16.777	16.700	16.880	BB	716472	10320327	75.70%	4.311%
17	17.665	17.600	17.752	BB	729183	10319047	75.69%	4.310%
18	18.495	18.450	18.574	BB	675816	9858807	72.32%	4.118%
19	19.278	19.200	19.340	BB	560043	8705913	63.86%	3.636%
20	20.016	19.955	20.112	BB	497278	7525818	55.21%	3.143%
21	20.742	20.670	20.869	BB	385181	7063203	51.81%	2.950%
22	21.636	21.560	21.750	BBA	267711	6531634	47.91%	2.728%
			Sum of corrected areas:			239417942		

Aliphatic EPH 091024.M Wed Sep 11 03:19:08 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067074.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:45
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: sample.E
Quant Time: Sep 11 02:53:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 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)	11.510	6608093	50.036 ug/ml
Spiked Amount	50.000		Recovery =	100.07%
12) S	1-chlorooctadecane (S...	12.948	4738064	50.224 ug/ml
Spiked Amount	50.000		Recovery =	100.45%
	Target Compounds			
1) T	n-Nonane (C9)	3.277	6332439	50.246 ug/ml
2) T	n-Decane (C10)	4.344	6433553	50.258 ug/ml
3) T	A~Naphthalene (C11.7)	5.923	6844384	50.226 ug/ml
4) T	n-Dodecane (C12)	6.362	6404719	50.283 ug/ml
5) T	A~2-methylnaphthalene...	6.980	6466439	50.220 ug/ml
6) T	n-Tetradecane (C14)	8.156	6185220	50.315 ug/ml
7) T	n-Hexadecane (C16)	9.756	6169524	50.151 ug/ml
8) T	n-Octadecane (C18)	11.198	6100975	50.114 ug/ml
10) T	n-Eicosane (C20)	12.505	5727323	50.082 ug/ml
11) T	n-Heneicosane (C21)	13.116	5586072	50.076 ug/ml
13) T	n-Docosane (C22)	13.702	5512504	50.046 ug/ml
14) T	n-Tetracosane (C24)	14.804	5434668	50.052 ug/ml
15) T	n-Hexacosane (C26)	15.824	5314674	50.000 ug/ml
16) T	n-Octacosane (C28)	16.773	5176200	49.932 ug/ml
17) T	n-Tricontane (C30)	17.660	5202691	49.888 ug/ml
18) T	n-Dotriacontane (C32)	18.492	4972885	49.843 ug/ml
19) T	n-Tetratriacontane (C34)	19.273	4404910	49.899 ug/ml
20) T	n-Hexatriacontane (C36)	20.012	3791449	49.822 ug/ml
21) T	n-Octatriacontane (C38)	20.738	3568567	49.601 ug/ml
22) T	n-Tetracontane (C40)	21.629	3340817	50.016 ug/ml

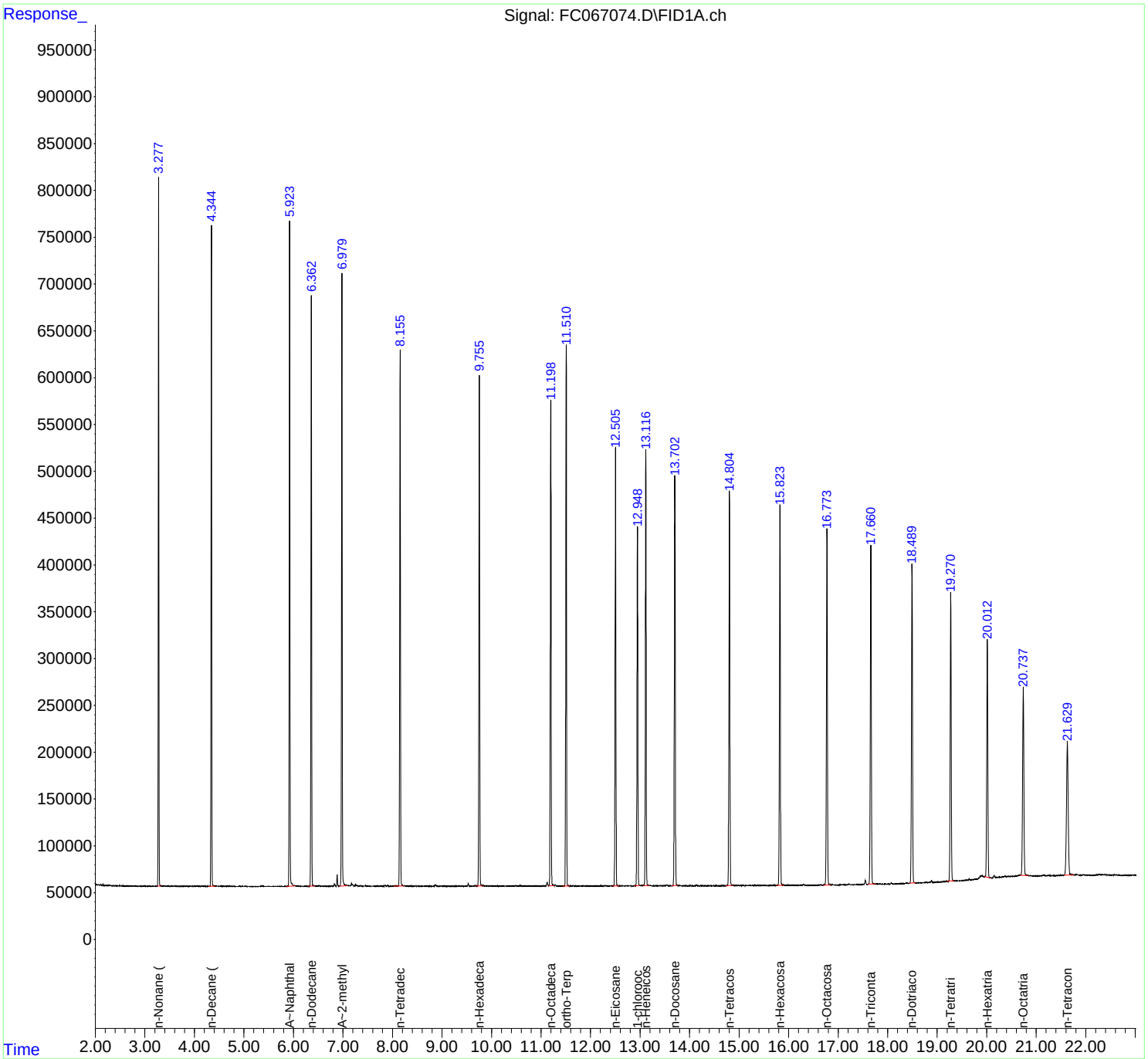
(f)=RT Delta > 1/2 Window (m)=manual int.

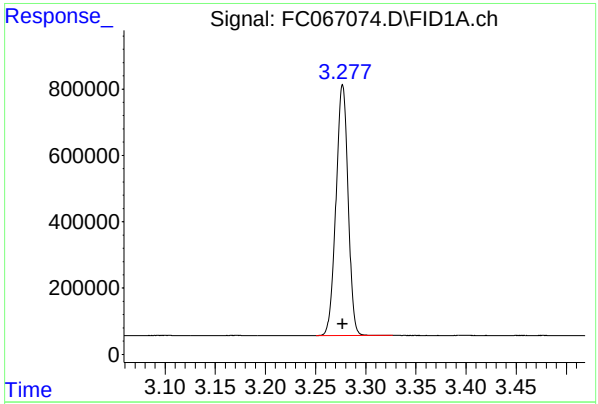
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067074.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:45
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: sample.E
Quant Time: Sep 11 02:53:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

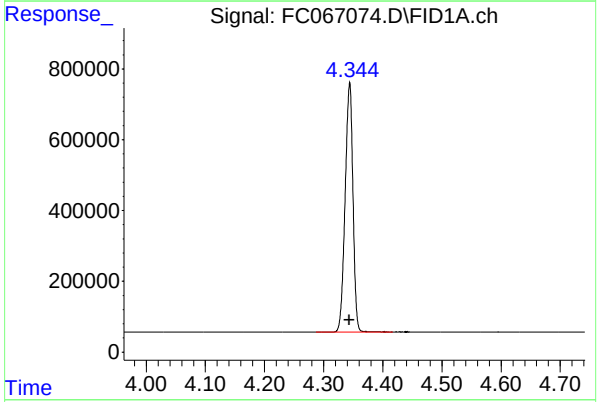




#1 n-Nonane (C9)

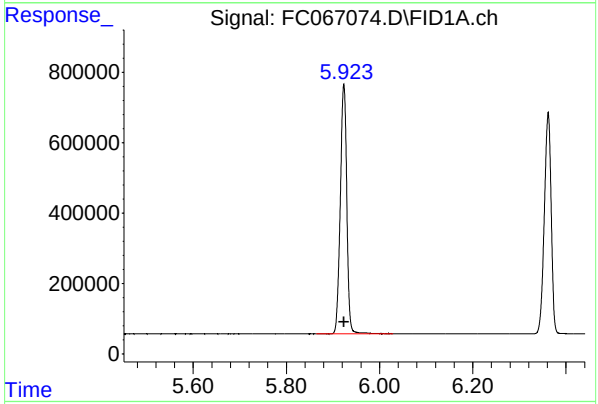
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 6332439
Conc: 50.25 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



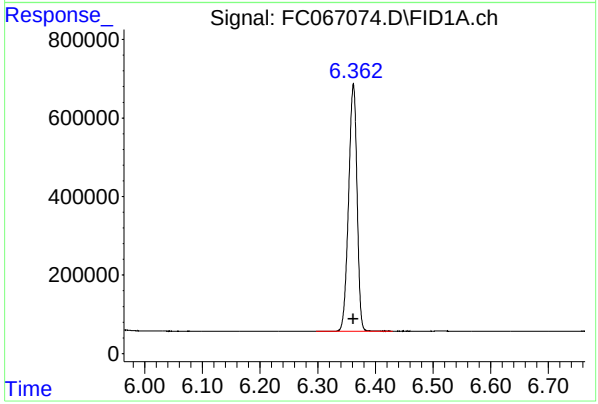
#2 n-Decane (C10)

R.T.: 4.344 min
Delta R.T.: 0.000 min
Response: 6433553
Conc: 50.26 ug/ml



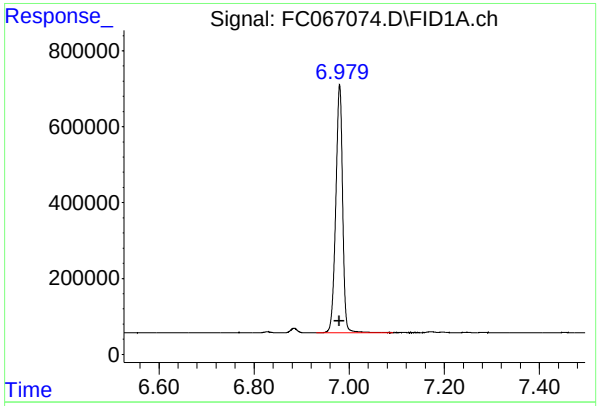
#3 A~Naphthalene (C11.7)

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 6844384
Conc: 50.23 ug/ml



#4 n-Dodecane (C12)

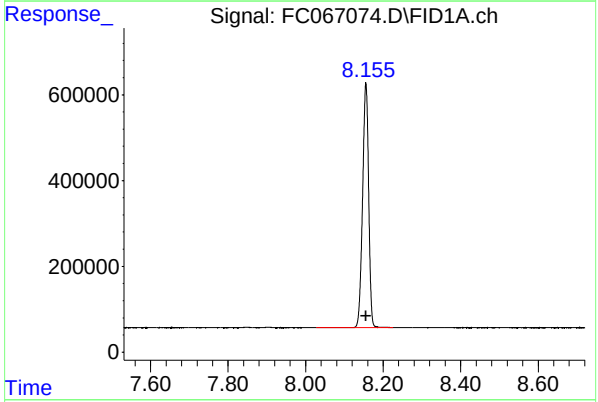
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 6404719
Conc: 50.28 ug/ml



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

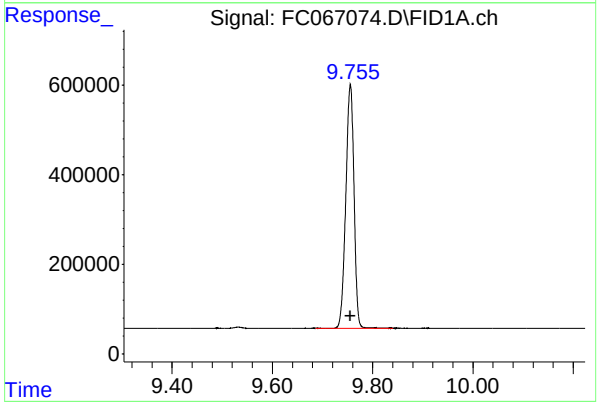
R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 6466439
Conc: 50.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



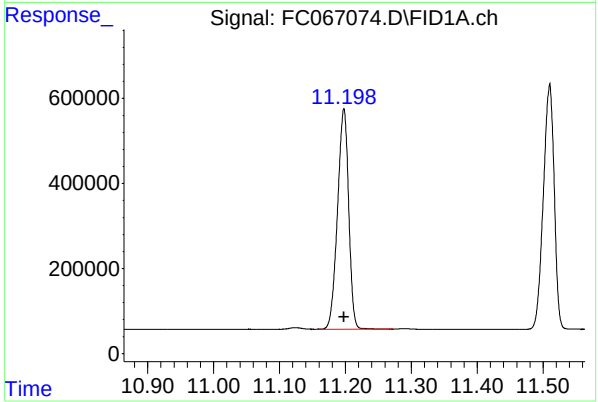
#6 n-Tetradecane (C14)

R.T.: 8.156 min
Delta R.T.: 0.000 min
Response: 6185220
Conc: 50.32 ug/ml



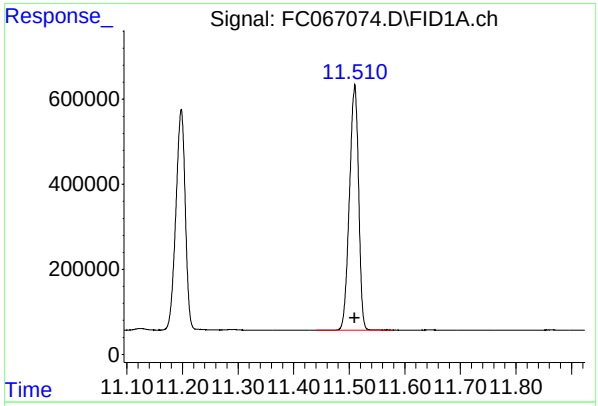
#7 n-Hexadecane (C16)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 6169524
Conc: 50.15 ug/ml



#8 n-Octadecane (C18)

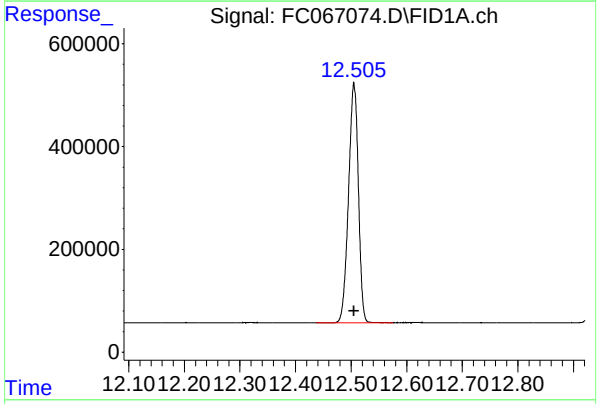
R.T.: 11.198 min
Delta R.T.: 0.000 min
Response: 6100975
Conc: 50.11 ug/ml



#9 ortho-Terphenyl (SURR)

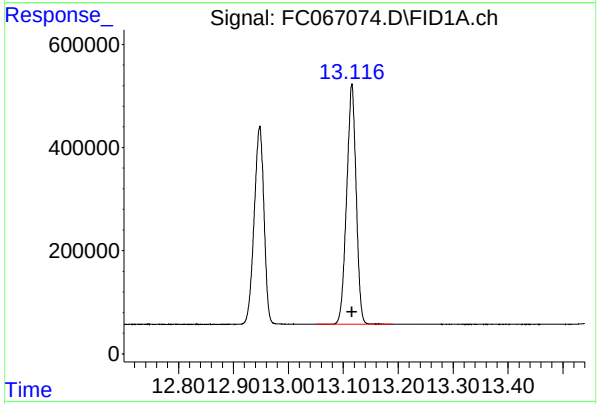
R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 6608093
Conc: 50.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



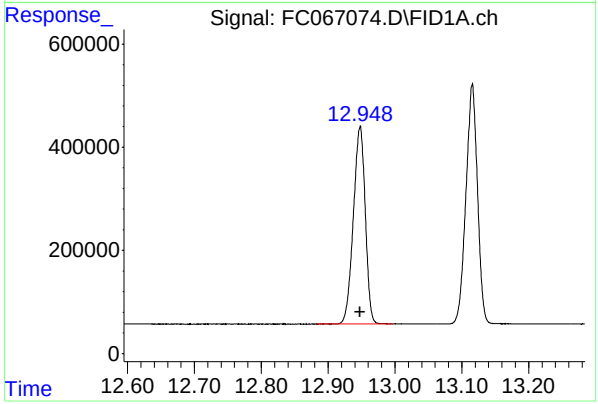
#10 n-Eicosane (C20)

R.T.: 12.505 min
Delta R.T.: 0.000 min
Response: 5727323
Conc: 50.08 ug/ml



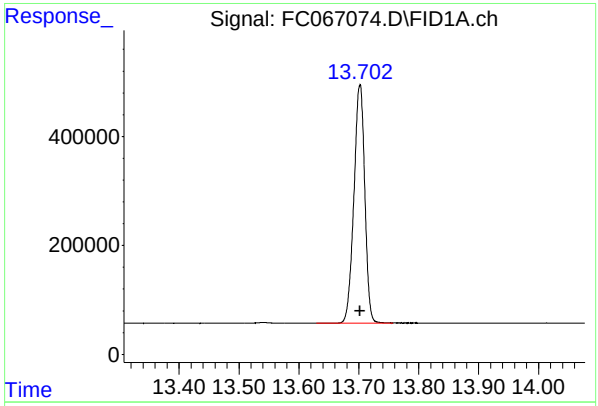
#11 n-Heneicosane (C21)

R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 5586072
Conc: 50.08 ug/ml



#12 1-chlorooctadecane (SURR)

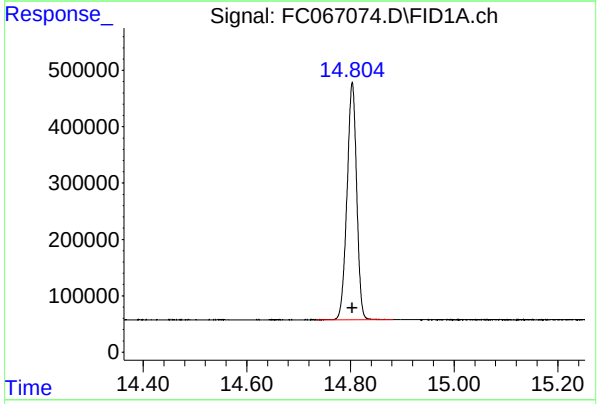
R.T.: 12.948 min
Delta R.T.: 0.000 min
Response: 4738064
Conc: 50.22 ug/ml



#13 n-Docosane (C22)

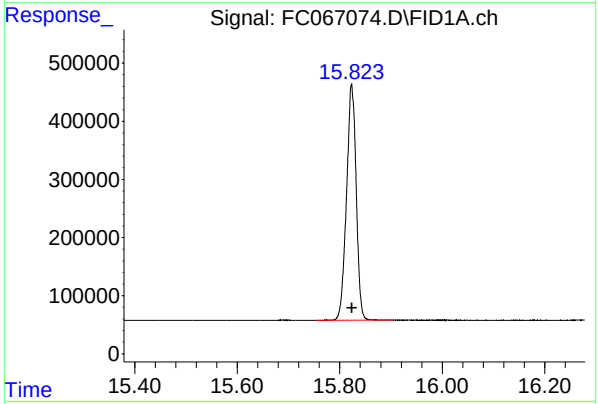
R.T.: 13.702 min
Delta R.T.: 0.000 min
Response: 5512504
Conc: 50.05 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



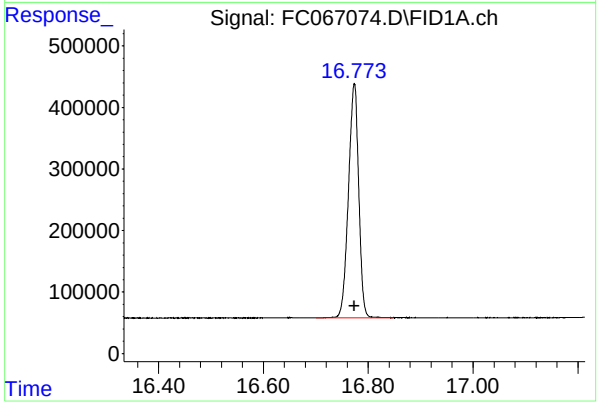
#14 n-Tetracosane (C24)

R.T.: 14.804 min
Delta R.T.: 0.000 min
Response: 5434668
Conc: 50.05 ug/ml



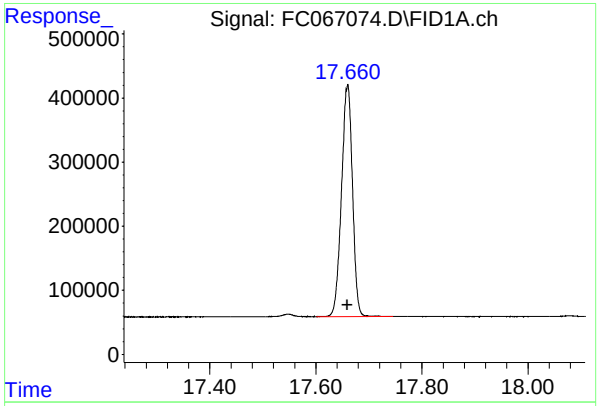
#15 n-Hexacosane (C26)

R.T.: 15.824 min
Delta R.T.: 0.000 min
Response: 5314674
Conc: 50.00 ug/ml



#16 n-Octacosane (C28)

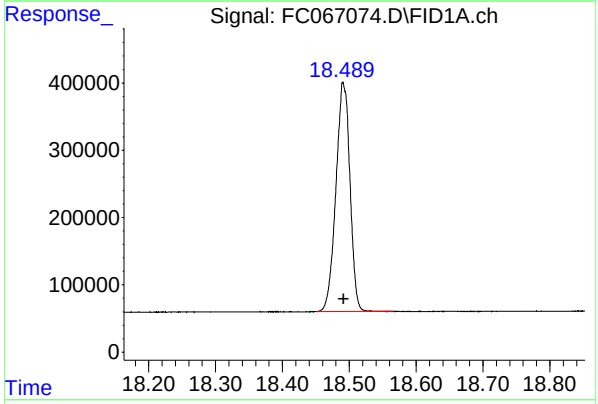
R.T.: 16.773 min
Delta R.T.: 0.000 min
Response: 5176200
Conc: 49.93 ug/ml



#17 n-Tricontane (C30)

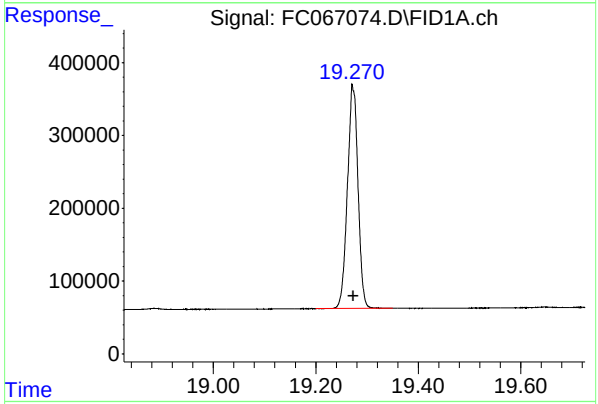
R.T.: 17.660 min
Delta R.T.: 0.000 min
Response: 5202691
Conc: 49.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



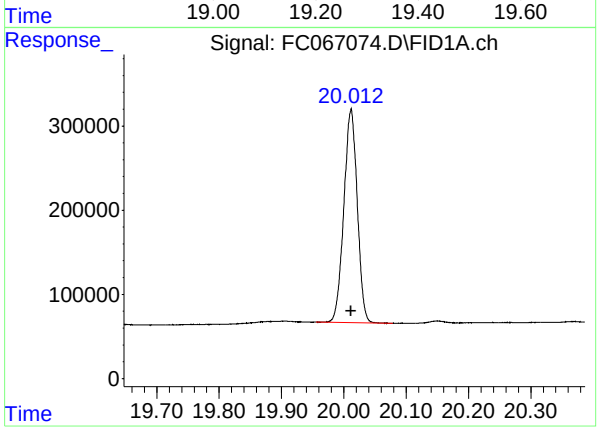
#18 n-Dotriacontane (C32)

R.T.: 18.492 min
Delta R.T.: 0.000 min
Response: 4972885
Conc: 49.84 ug/ml



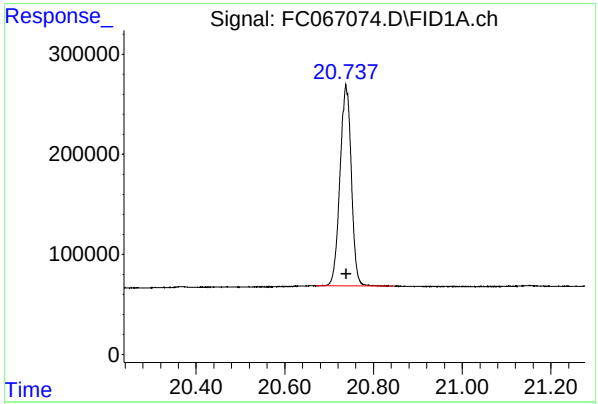
#19 n-Tetratriacontane (C34)

R.T.: 19.273 min
Delta R.T.: 0.000 min
Response: 4404910
Conc: 49.90 ug/ml



#20 n-Hexatriacontane (C36)

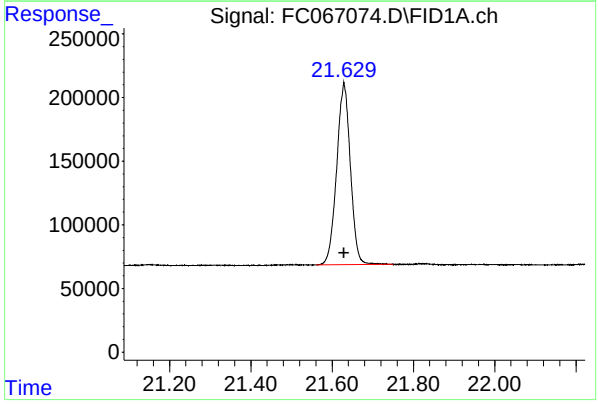
R.T.: 20.012 min
Delta R.T.: 0.000 min
Response: 3791449
Conc: 49.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 3568567
Conc: 49.60 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.629 min
Delta R.T.: 0.000 min
Response: 3340817
Conc: 50.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067074.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:45
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 091024.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	3.277	3.250	3.327	BB	757230	6332439	92.52%	5.263%
2	4.344	4.287	4.417	BB	704039	6433553	94.00%	5.347%
3	5.923	5.864	6.029	BB	711223	6844384	100.00%	5.689%
4	6.362	6.297	6.430	BB	631452	6404719	93.58%	5.323%
5	6.980	6.930	7.092	BB	655421	6466439	94.48%	5.375%
6	8.156	8.027	8.225	BB	571402	6185220	90.37%	5.141%
7	9.756	9.687	9.840	BB	544319	6169524	90.14%	5.128%
8	11.198	11.155	11.272	PV	518459	6100975	89.14%	5.071%
9	11.510	11.440	11.579	BB	579975	6608093	96.55%	5.492%
10	12.505	12.437	12.575	BB	465036	5727323	83.68%	4.760%
11	12.948	12.882	12.997	BB	382030	4738064	69.23%	3.938%
12	13.116	13.050	13.190	BB	464391	5586072	81.62%	4.643%
13	13.702	13.629	13.757	BB	437124	5512504	80.54%	4.582%
14	14.804	14.734	14.882	BB	421529	5434668	79.40%	4.517%
15	15.824	15.754	15.904	BB	403888	5314674	77.65%	4.417%
16	16.773	16.700	16.847	BB	380856	5176200	75.63%	4.302%
17	17.660	17.600	17.745	BB	363539	5202691	76.01%	4.324%
18	18.492	18.450	18.565	BB	335629	4972885	72.66%	4.133%
19	19.273	19.200	19.350	BB	302745	4404910	64.36%	3.661%
20	20.012	19.955	20.079	BB	254412	3791449	55.40%	3.151%
21	20.738	20.670	20.844	BB	198894	3568567	52.14%	2.966%
22	21.629	21.560	21.750	BBA	142763	3340817	48.81%	2.777%
			Sum of corrected areas:			120316170		

Aliphatic EPH 091024.M Wed Sep 11 03:19:27 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067075.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 12:23
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: sample.E
Quant Time: Sep 11 02:49:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 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	2644557	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.945	1847113	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	2518413	20.000 ug/ml
2) T	n-Decane (C10)	4.342	2559718	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.922	2712130	20.000 ug/ml
4) T	n-Dodecane (C12)	6.359	2545138	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.978	2554054	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.154	2457775	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.753	2455602	20.000 ug/ml
8) T	n-Octadecane (C18)	11.194	2435841	20.000 ug/ml
10) T	n-Eicosane (C20)	12.502	2281912	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.113	2223261	20.000 ug/ml
13) T	n-Docosane (C22)	13.699	2196378	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.801	2165662	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.821	2128845	20.000 ug/ml
16) T	n-Octacosane (C28)	16.770	2085395	20.000 ug/ml
17) T	n-Tricontane (C30)	17.658	2112411	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.488	2025348	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.271	1793460	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	20.009	1544239	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.736	1476624	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.627	1365040	20.000 ug/ml

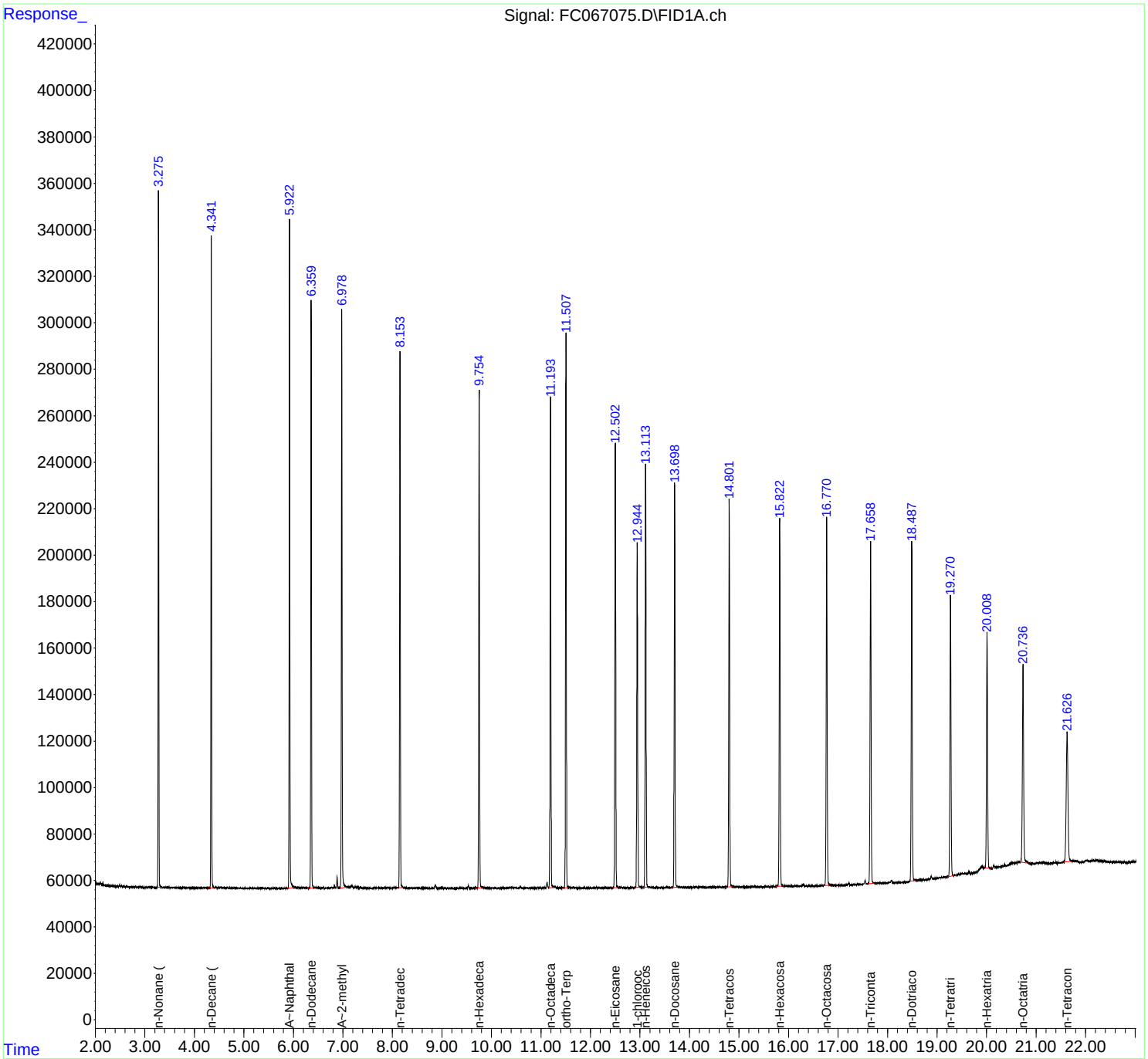
(f)=RT Delta > 1/2 Window (m)=manual int.

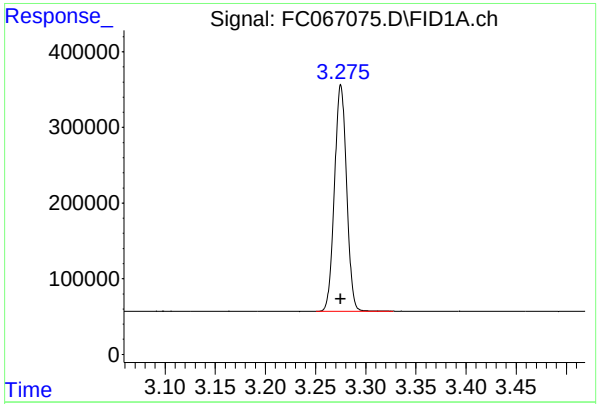
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067075.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 12:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: sample.E
Quant Time: Sep 11 02:49:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

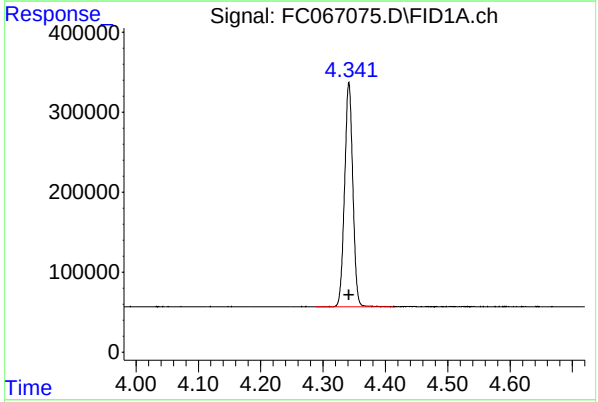




#1 n-Nonane (C9)

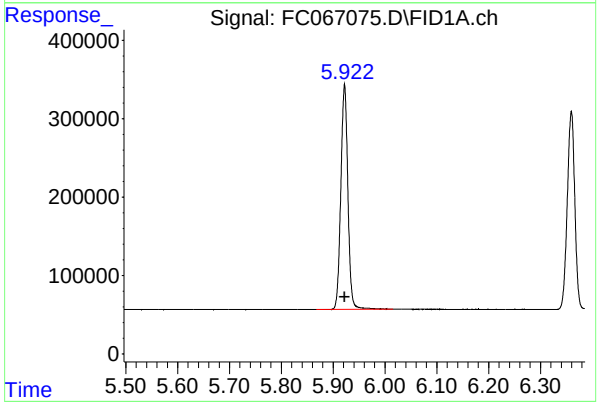
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2518413
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



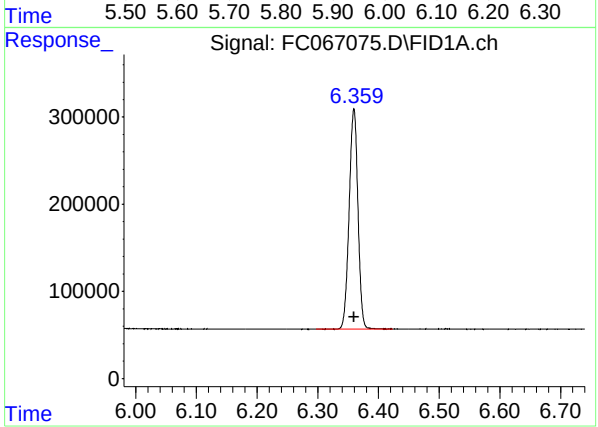
#2 n-Decane (C10)

R.T.: 4.342 min
Delta R.T.: 0.000 min
Response: 2559718
Conc: 20.00 ug/ml



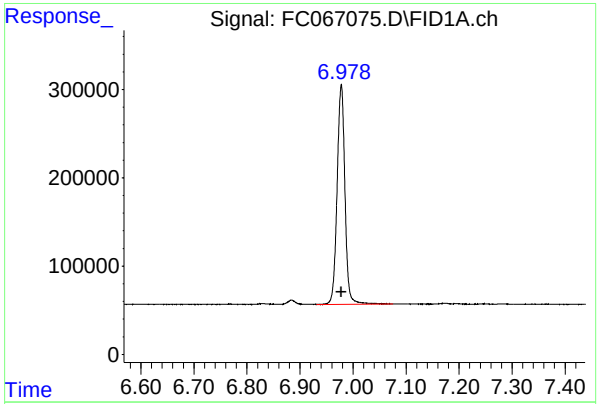
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 2712130
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

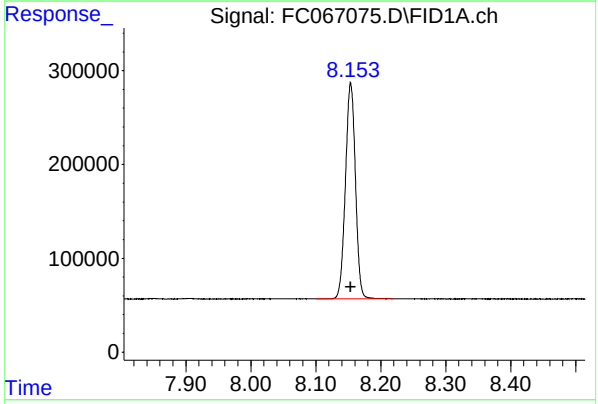
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 2545138
Conc: 20.00 ug/ml



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

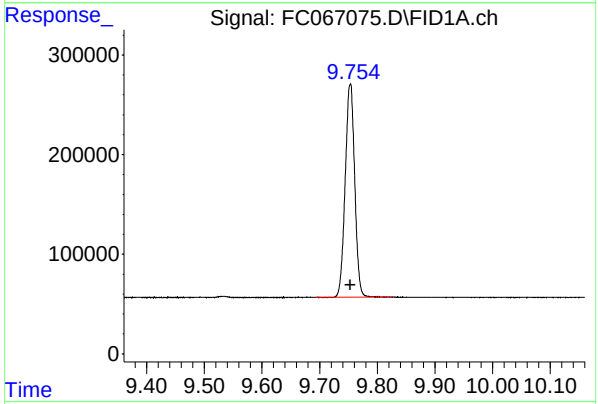
R.T.: 6.978 min
Delta R.T.: 0.000 min
Response: 2554054
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



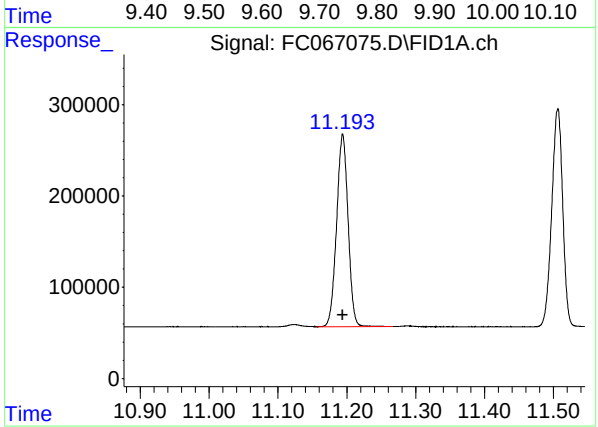
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: 0.000 min
Response: 2457775
Conc: 20.00 ug/ml



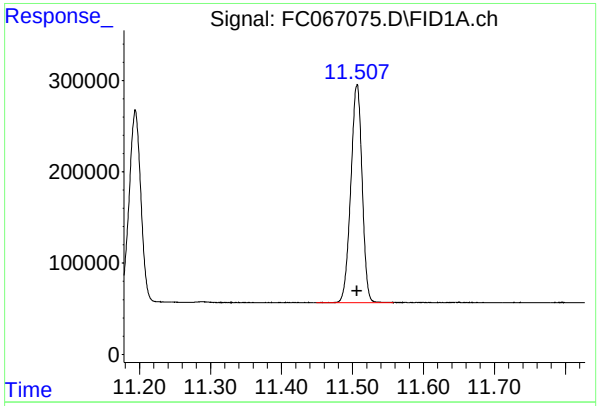
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: 0.000 min
Response: 2455602
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

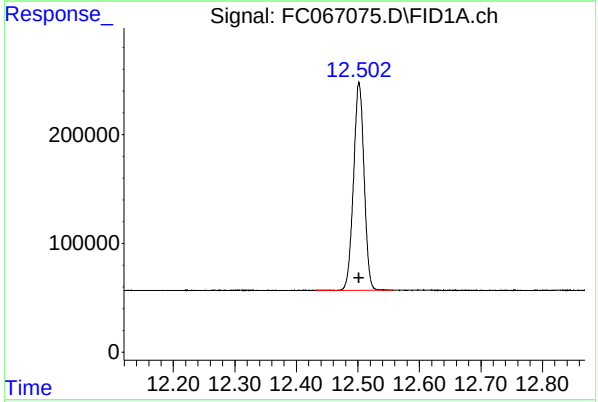
R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 2435841
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

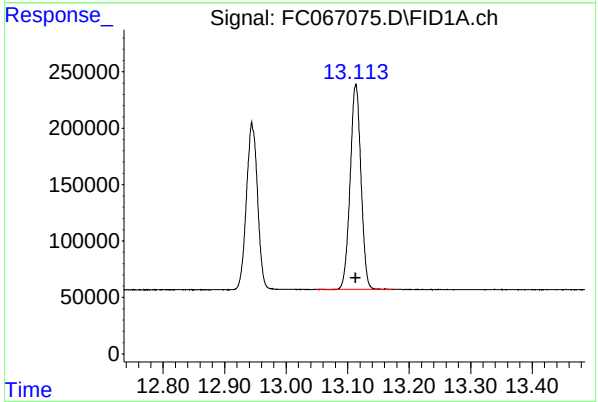
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 2644557
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



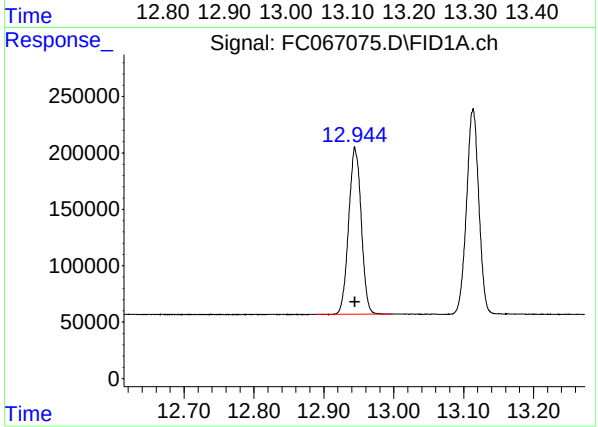
#10 n-Eicosane (C20)

R.T.: 12.502 min
Delta R.T.: 0.000 min
Response: 2281912
Conc: 20.00 ug/ml



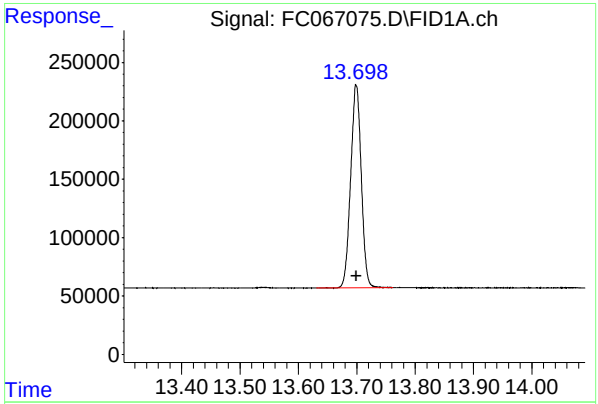
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 2223261
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

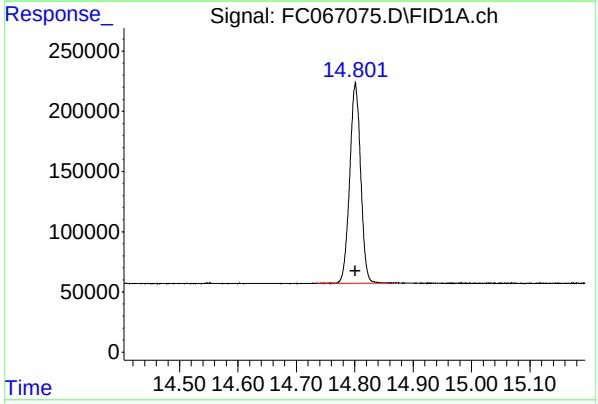
R.T.: 12.945 min
Delta R.T.: 0.000 min
Response: 1847113
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

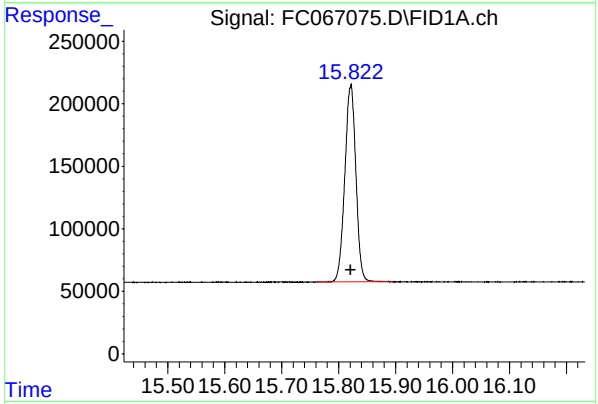
R.T.: 13.699 min
Delta R.T.: 0.000 min
Response: 2196378
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



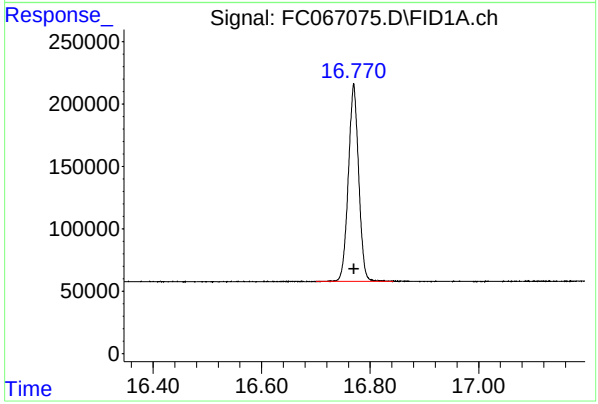
#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: 0.000 min
Response: 2165662
Conc: 20.00 ug/ml



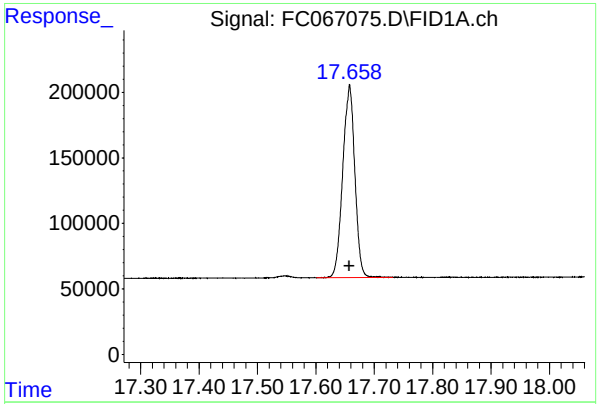
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.000 min
Response: 2128845
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

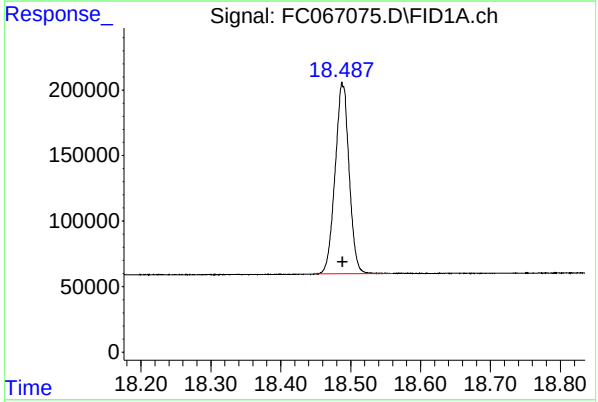
R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 2085395
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

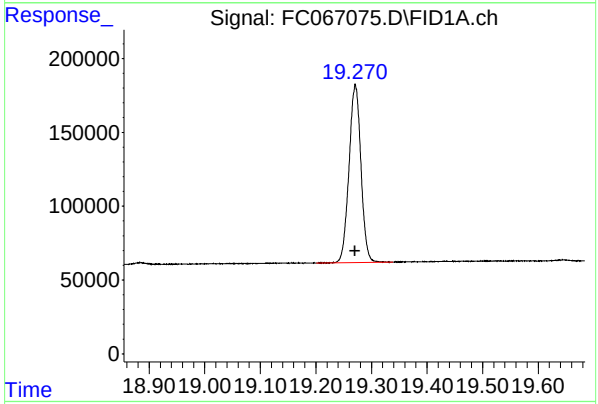
R.T.: 17.658 min
Delta R.T.: 0.000 min
Response: 2112411
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



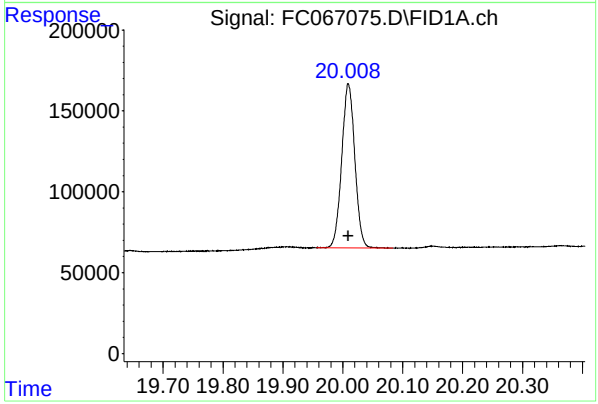
#18 n-Dotriacontane (C32)

R.T.: 18.488 min
Delta R.T.: 0.000 min
Response: 2025348
Conc: 20.00 ug/ml



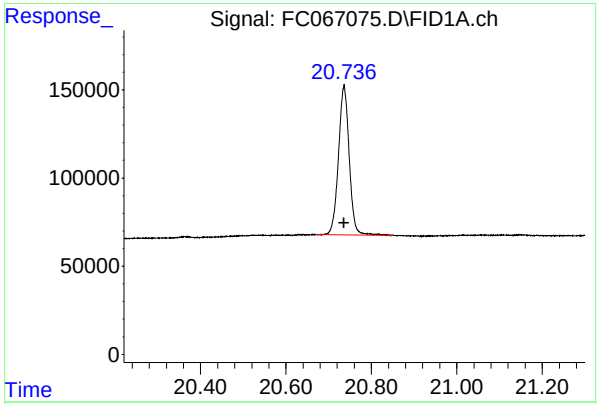
#19 n-Tetratriacontane (C34)

R.T.: 19.271 min
Delta R.T.: 0.000 min
Response: 1793460
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

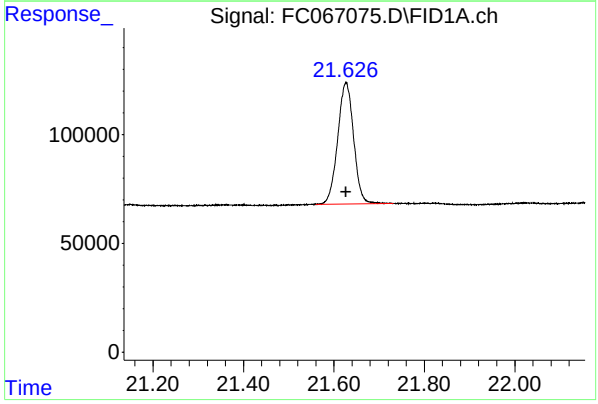
R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 1544239
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.736 min
Delta R.T.: 0.000 min
Response: 1476624
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.627 min
Delta R.T.: 0.000 min
Response: 1365040
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067075.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 12:23
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 091024.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	3.250	3.327	BB	299454	2518413	92.86%	5.233%
2	4.342	4.289	4.412	BB	280483	2559718	94.38%	5.318%
3	5.922	5.867	6.015	BB	287501	2712130	100.00%	5.635%
4	6.359	6.297	6.424	BB	252058	2545138	93.84%	5.288%
5	6.978	6.930	7.075	BB	248095	2554054	94.17%	5.307%
6	8.154	8.100	8.219	BB	230193	2457775	90.62%	5.107%
7	9.753	9.694	9.827	BB	214574	2455602	90.54%	5.102%
8	11.194	11.155	11.267	PB	211258	2435841	89.81%	5.061%
9	11.506	11.449	11.557	BB	239858	2644557	97.51%	5.495%
10	12.502	12.432	12.557	BB	190564	2281912	84.14%	4.741%
11	12.945	12.889	12.999	BB	144858	1847113	68.11%	3.838%
12	13.113	13.049	13.174	BB	182322	2223261	81.97%	4.619%
13	13.699	13.630	13.762	BB	174051	2196378	80.98%	4.564%
14	14.801	14.734	14.865	BB	164953	2165662	79.85%	4.500%
15	15.821	15.760	15.895	BB	156672	2128845	78.49%	4.423%
16	16.770	16.700	16.842	BB	158445	2085395	76.89%	4.333%
17	17.658	17.600	17.732	BB	146506	2112411	77.89%	4.389%
18	18.489	18.450	18.560	BB	143418	2025348	74.68%	4.208%
19	19.271	19.200	19.339	BB	120650	1793460	66.13%	3.726%
20	20.009	19.955	20.084	BB	101617	1544239	56.94%	3.209%
21	20.736	20.670	20.850	BB	84635	1476624	54.45%	3.068%
22	21.627	21.560	21.730	BB	55747	1365040	50.33%	2.836%
			Sum of corrected areas:			48128917		

Aliphatic EPH 091024.M Wed Sep 11 03:19:44 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067076.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:02
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: sample.E
Quant Time: Sep 11 02:54:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 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)	11.505	1489701	10.930 ug/ml
Spiked Amount	50.000		Recovery =	21.86%
12) S	1-chlorooctadecane (S...	12.943	1045740	10.792 ug/ml
Spiked Amount	50.000		Recovery =	21.58%
	Target Compounds			
1) T	n-Nonane (C9)	3.276	1393114	10.770 ug/ml
2) T	n-Decane (C10)	4.341	1411514	10.751 ug/ml
3) T	A~Naphthalene (C11.7)	5.921	1499437	10.734 ug/ml
4) T	n-Dodecane (C12)	6.359	1403991	10.748 ug/ml
5) T	A~2-methylnaphthalene...	6.977	1409620	10.694 ug/ml
6) T	n-Tetradecane (C14)	8.153	1355374	10.750 ug/ml
7) T	n-Hexadecane (C16)	9.752	1362371	10.785 ug/ml
8) T	n-Octadecane (C18)	11.193	1361900	10.864 ug/ml
10) T	n-Eicosane (C20)	12.501	1281349	10.877 ug/ml
11) T	n-Heneicosane (C21)	13.112	1243307	10.835 ug/ml
13) T	n-Docosane (C22)	13.698	1230448	10.853 ug/ml
14) T	n-Tetracosane (C24)	14.800	1201402	10.778 ug/ml
15) T	n-Hexacosane (C26)	15.820	1166617	10.714 ug/ml
16) T	n-Octacosane (C28)	16.770	1130068	10.661 ug/ml
17) T	n-Tricontane (C30)	17.656	1131282	10.623 ug/ml
18) T	n-Dotriacontane (C32)	18.487	1082919	10.627 ug/ml
19) T	n-Tetratriacontane (C34)	19.271	959742	10.640 ug/ml
20) T	n-Hexatriacontane (C36)	20.009	834794	10.710 ug/ml
21) T	n-Octatriacontane (C38)	20.735	790206	10.720 ug/ml
22) T	n-Tetracontane (C40)	21.626	742517	10.815 ug/ml

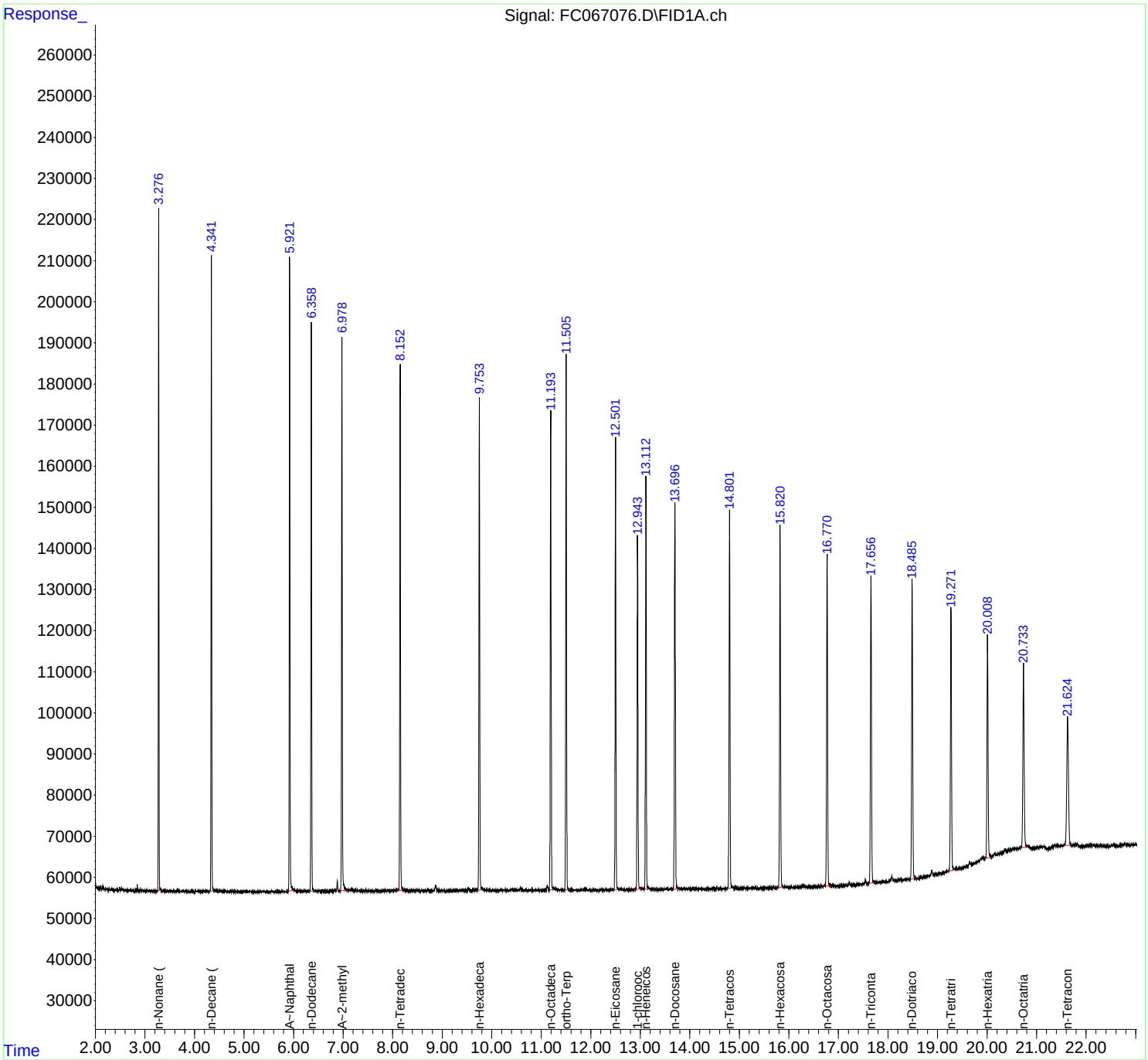
(f)=RT Delta > 1/2 Window (m)=manual int.

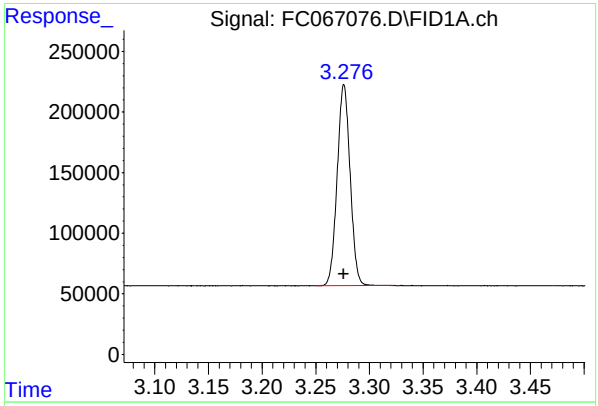
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067076.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: sample.E
Quant Time: Sep 11 02:54:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

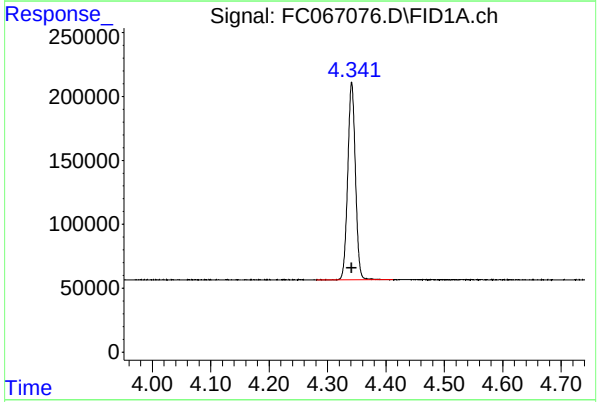




#1 n-Nonane (C9)

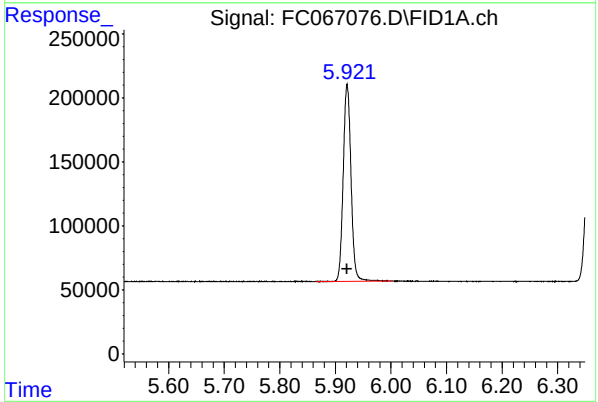
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 1393114
Conc: 10.77 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



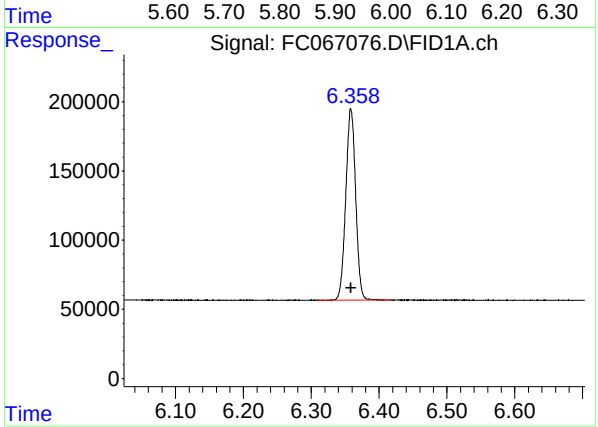
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.000 min
Response: 1411514
Conc: 10.75 ug/ml



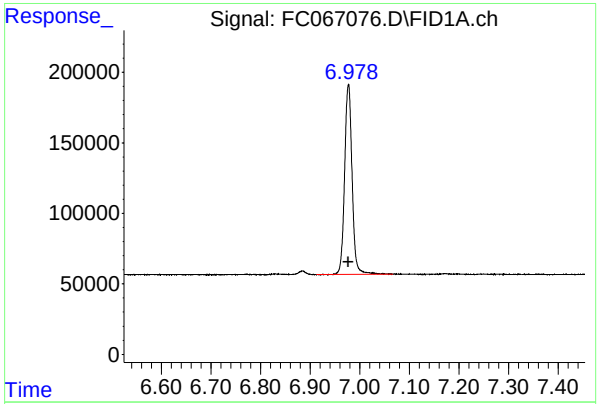
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1499437
Conc: 10.73 ug/ml



#4 n-Dodecane (C12)

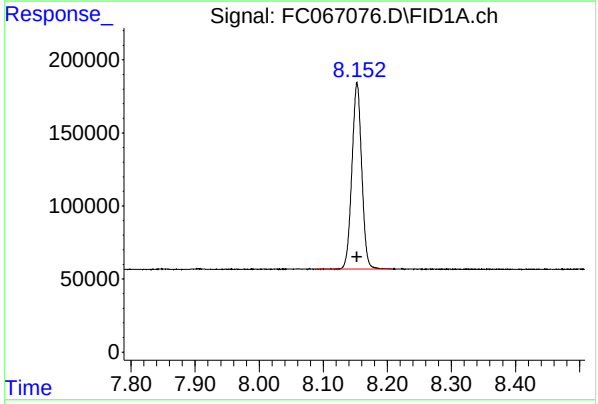
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 1403991
Conc: 10.75 ug/ml



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

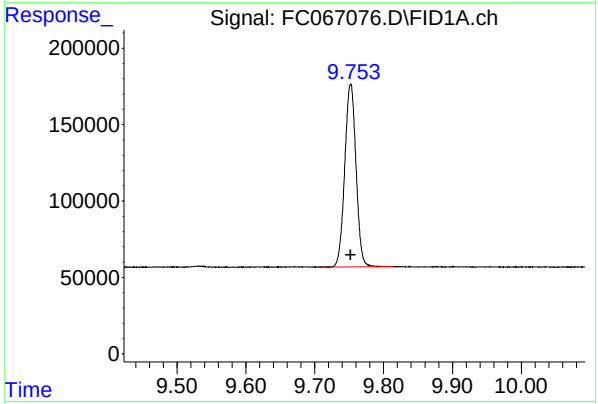
R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 1409620
Conc: 10.69 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



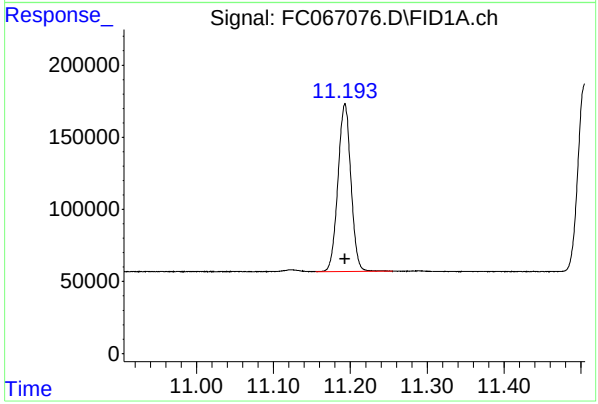
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: 0.000 min
Response: 1355374
Conc: 10.75 ug/ml



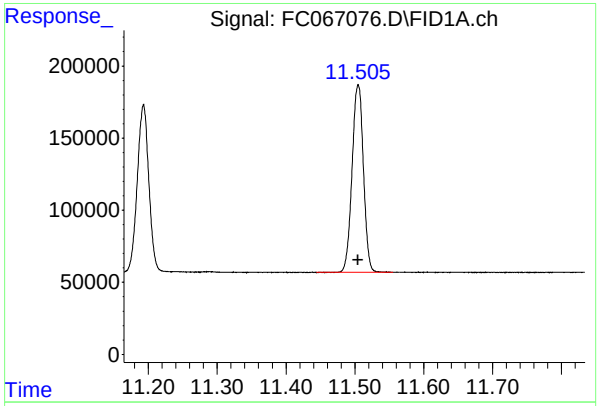
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.000 min
Response: 1362371
Conc: 10.78 ug/ml



#8 n-Octadecane (C18)

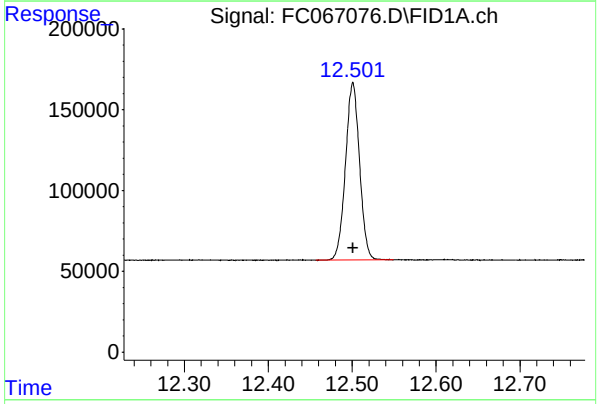
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 1361900
Conc: 10.86 ug/ml



#9 ortho-Terphenyl (SURR)

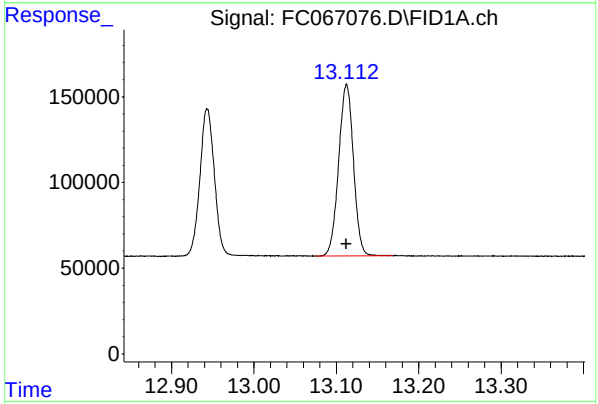
R.T.: 11.505 min
Delta R.T.: 0.000 min
Response: 1489701
Conc: 10.93 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



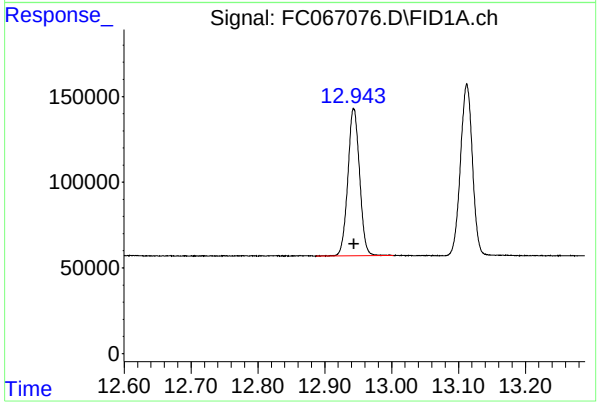
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 1281349
Conc: 10.88 ug/ml



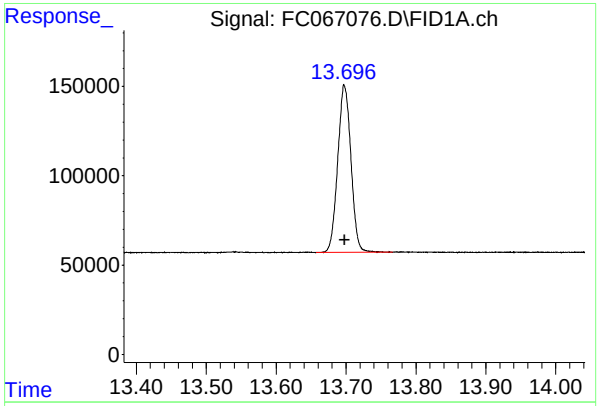
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.000 min
Response: 1243307
Conc: 10.84 ug/ml



#12 1-chlorooctadecane (SURR)

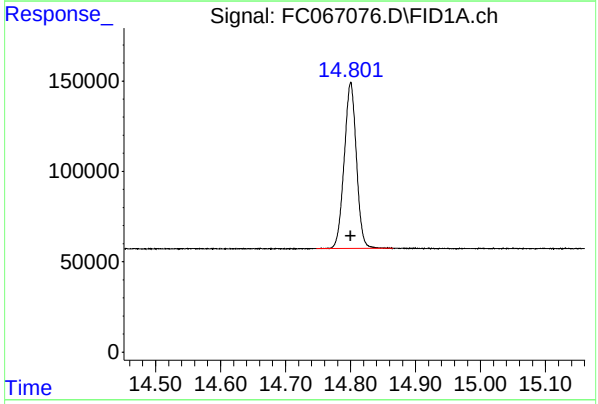
R.T.: 12.943 min
Delta R.T.: 0.000 min
Response: 1045740
Conc: 10.79 ug/ml



#13 n-Docosane (C22)

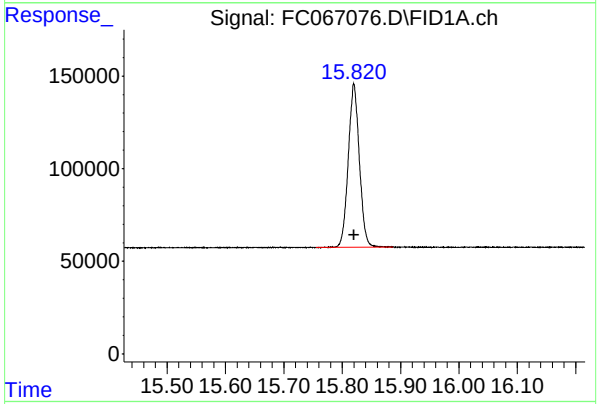
R.T.: 13.698 min
Delta R.T.: 0.000 min
Response: 1230448
Conc: 10.85 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



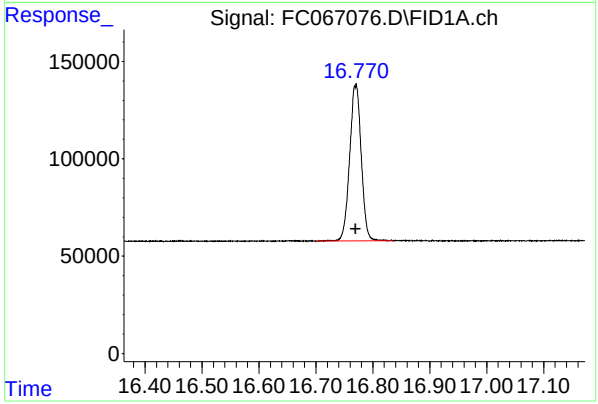
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.000 min
Response: 1201402
Conc: 10.78 ug/ml



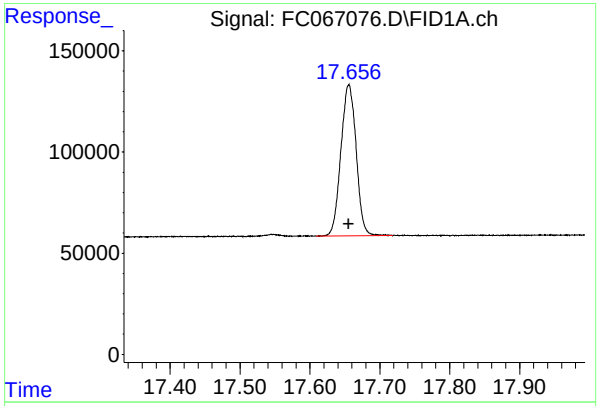
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.000 min
Response: 1166617
Conc: 10.71 ug/ml



#16 n-Octacosane (C28)

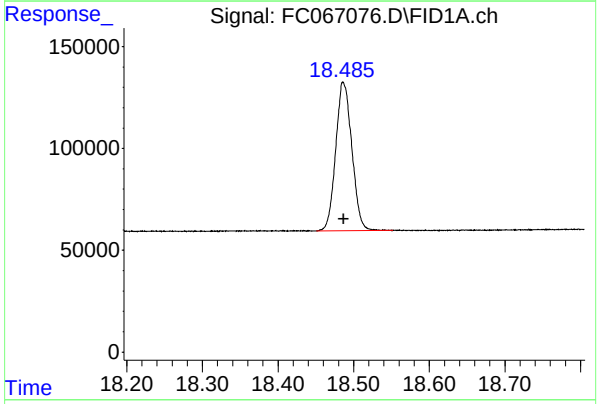
R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 1130068
Conc: 10.66 ug/ml



#17 n-Tricontane (C30)

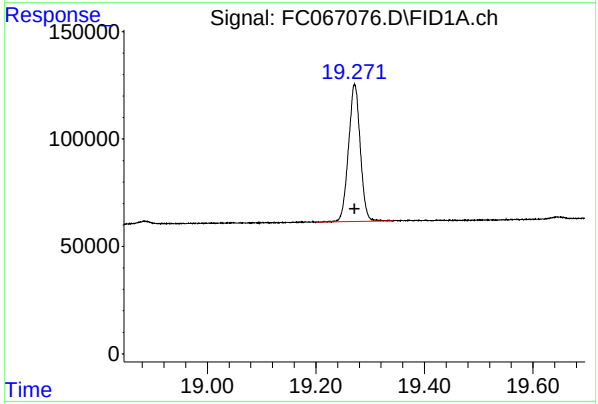
R.T.: 17.656 min
Delta R.T.: 0.000 min
Response: 1131282
Conc: 10.62 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



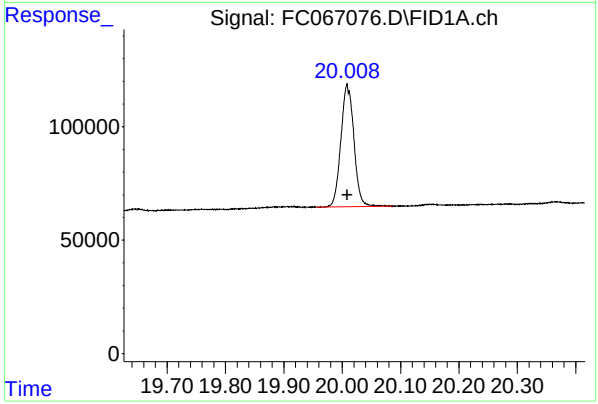
#18 n-Dotriacontane (C32)

R.T.: 18.487 min
Delta R.T.: 0.000 min
Response: 1082919
Conc: 10.63 ug/ml



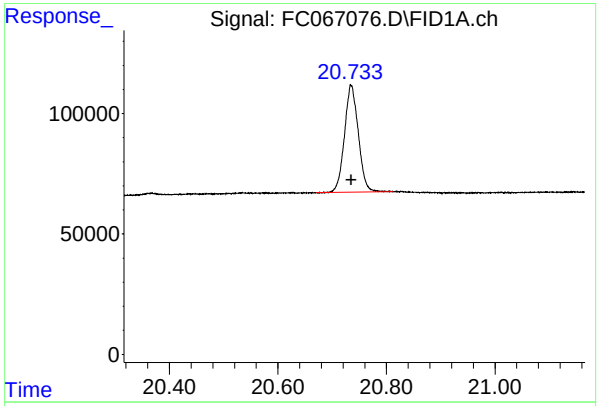
#19 n-Tetratriacontane (C34)

R.T.: 19.271 min
Delta R.T.: 0.000 min
Response: 959742
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

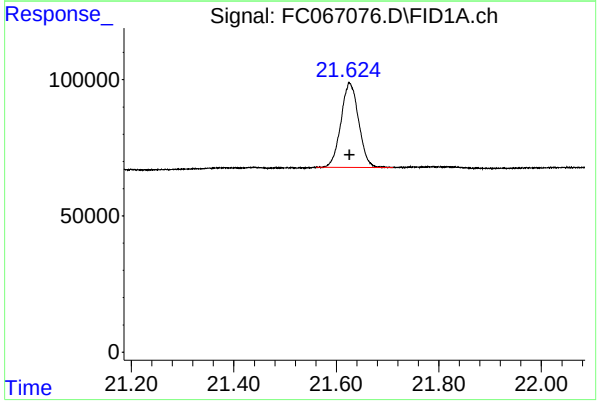
R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 834794
Conc: 10.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.735 min
Delta R.T.: 0.000 mi
Response: 790206
Conc: 10.72 ug/m

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.626 min
Delta R.T.: 0.000 min
Response: 742517
Conc: 10.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067076.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:02
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 091024.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	3.276	3.250	3.322	BB	165643	1393114	92.91%	5.252%
2	4.341	4.280	4.412	BB	154198	1411514	94.14%	5.321%
3	5.921	5.865	6.004	BB	152802	1499437	100.00%	5.652%
4	6.359	6.307	6.420	BB	137790	1403991	93.63%	5.293%
5	6.977	6.912	7.067	BB	134569	1409620	94.01%	5.314%
6	8.153	8.089	8.209	BB	127414	1355374	90.39%	5.109%
7	9.752	9.702	9.814	BB	119527	1362371	90.86%	5.136%
8	11.193	11.155	11.255	BB	116890	1361900	90.83%	5.134%
9	11.505	11.444	11.555	BB	130238	1489701	99.35%	5.616%
10	12.501	12.457	12.549	BB	109572	1281349	85.46%	4.830%
11	12.943	12.887	13.002	BB	85842	1045740	69.74%	3.942%
12	13.112	13.075	13.169	BB	99966	1243307	82.92%	4.687%
13	13.698	13.657	13.767	BB	92475	1230448	82.06%	4.638%
14	14.800	14.747	14.865	BB	91851	1201402	80.12%	4.529%
15	15.820	15.755	15.887	BB	88219	1166617	77.80%	4.398%
16	16.770	16.700	16.835	BB	79899	1130068	75.37%	4.260%
17	17.656	17.609	17.719	BB	74490	1131282	75.45%	4.265%
18	18.487	18.450	18.552	BB	72371	1082919	72.22%	4.082%
19	19.271	19.200	19.342	BB	63697	959742	64.01%	3.618%
20	20.009	19.955	20.087	BB	53608	834794	55.67%	3.147%
21	20.735	20.670	20.812	BB	44121	790206	52.70%	2.979%
22	21.626	21.560	21.710	BB	30989	742517	49.52%	2.799%
			Sum of corrected areas:			26527411		

Aliphatic EPH 091024.M Wed Sep 11 03:19:55 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067077.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:40
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: sample.E
Quant Time: Sep 11 02:55:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 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)	11.504	755299	5.424 ug/ml
Spiked Amount	50.000		Recovery =	10.85%
12)	S 1-chlorooctadecane (S...	12.943	504187	5.161 ug/ml
Spiked Amount	50.000		Recovery =	10.32%
	Target Compounds			
1)	T n-Nonane (C9)	3.276	729174	5.497 ug/ml
2)	T n-Decane (C10)	4.341	731774	5.448 ug/ml
3)	T A~Naphthalene (C11.7)	5.921	759300	5.343 ug/ml
4)	T n-Dodecane (C12)	6.358	733779	5.482 ug/ml
5)	T A~2-methylnaphthalene...	6.977	702152	5.258 ug/ml
6)	T n-Tetradecane (C14)	8.152	700268	5.434 ug/ml
7)	T n-Hexadecane (C16)	9.752	696687	5.404 ug/ml
8)	T n-Octadecane (C18)	11.193	691467	5.405 ug/ml
10)	T n-Eicosane (C20)	12.501	646789	5.385 ug/ml
11)	T n-Heneicosane (C21)	13.112	624925	5.351 ug/ml
13)	T n-Docosane (C22)	13.697	619054	5.362 ug/ml
14)	T n-Tetracosane (C24)	14.801	609641	5.368 ug/ml
15)	T n-Hexacosane (C26)	15.820	593015	5.351 ug/ml
16)	T n-Octacosane (C28)	16.768	580465	5.374 ug/ml
17)	T n-Tricontane (C30)	17.654	589388	5.418 ug/ml
18)	T n-Dotriacontane (C32)	18.488	569622	5.461 ug/ml
19)	T n-Tetratriacontane (C34)	19.270	502439	5.446 ug/ml
20)	T n-Hexatriacontane (C36)	20.009	422298	5.329 ug/ml
21)	T n-Octatriacontane (C38)	20.733	403620	5.373 ug/ml
22)	T n-Tetracontane (C40)	21.627	373436	5.345 ug/ml

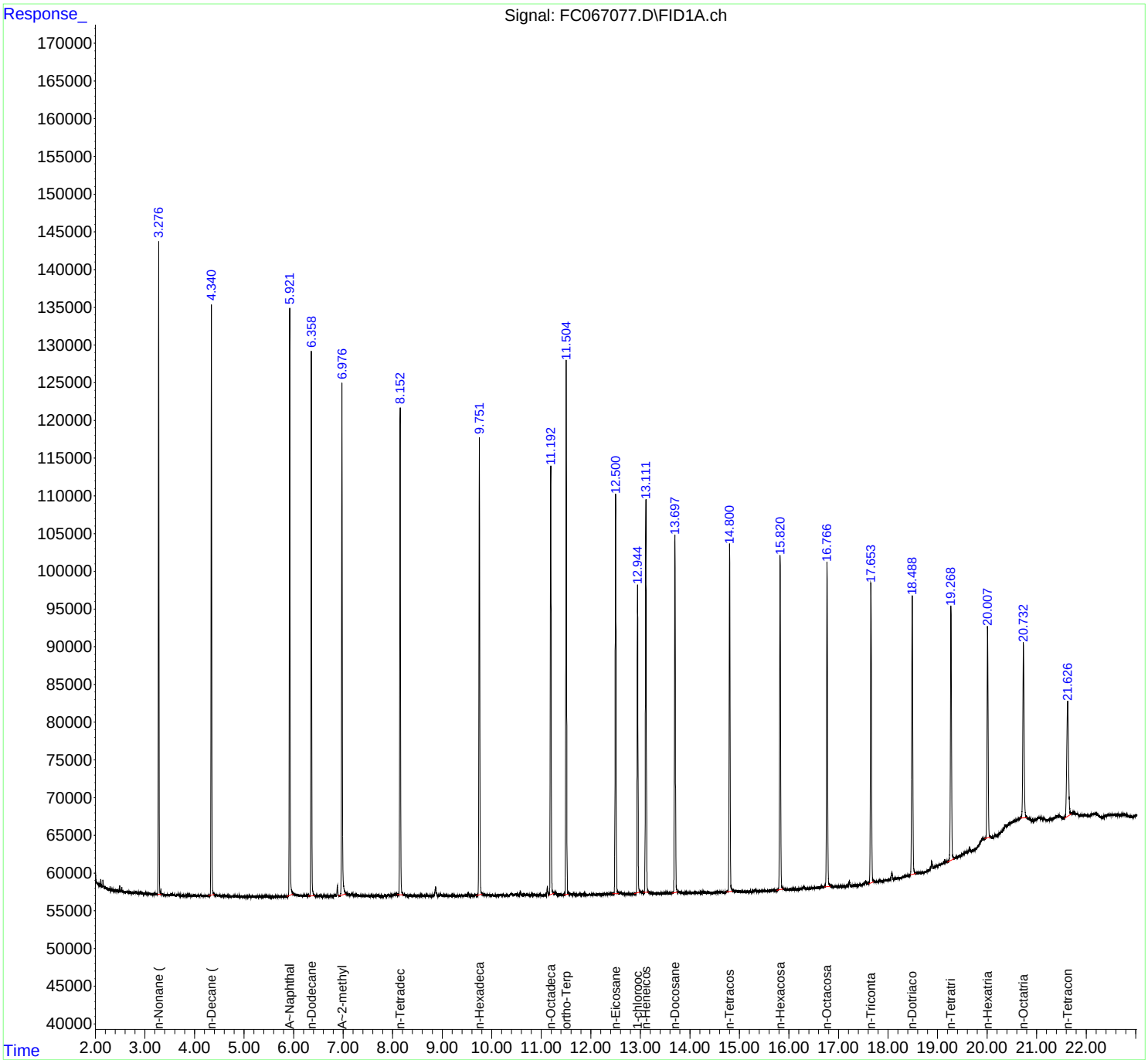
(f)=RT Delta > 1/2 Window (m)=manual int.

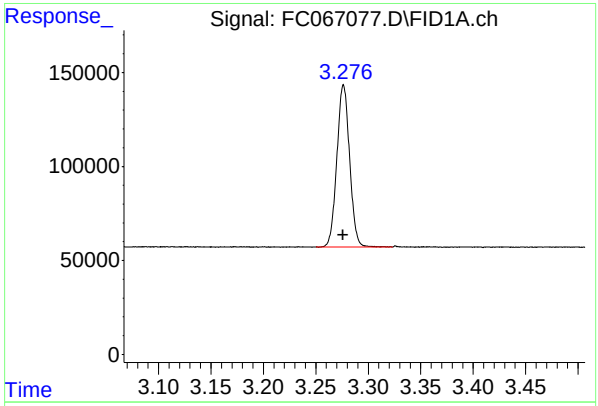
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067077.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:40
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: sample.E
Quant Time: Sep 11 02:55:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

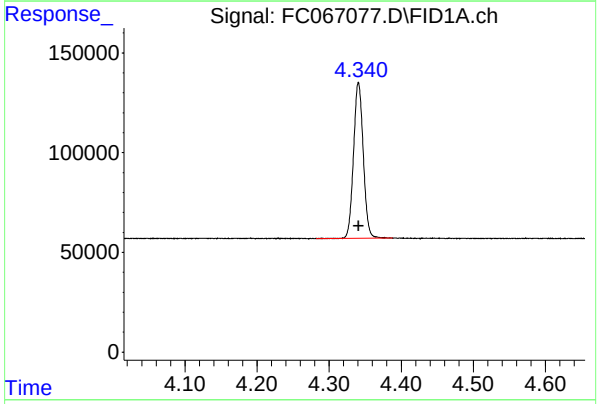




#1 n-Nonane (C9)

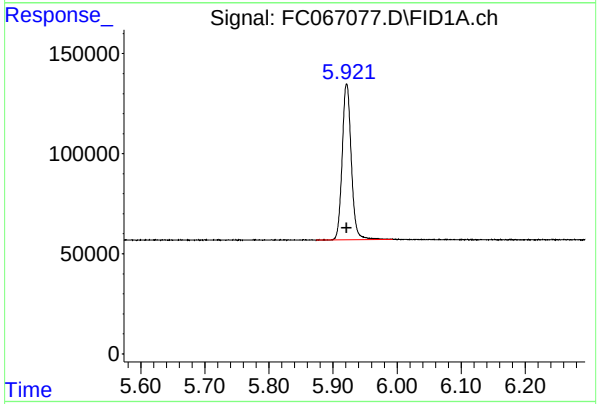
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 729174
Conc: 5.50 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



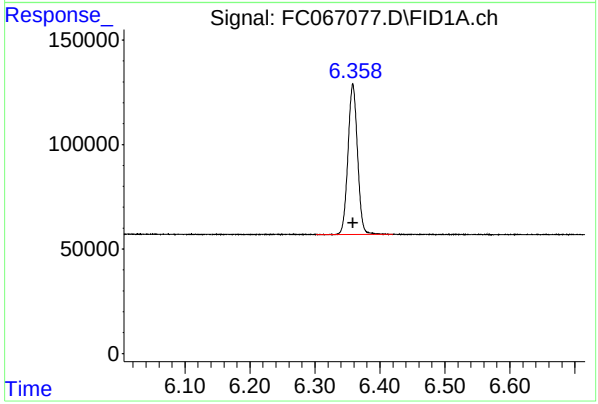
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.000 min
Response: 731774
Conc: 5.45 ug/ml



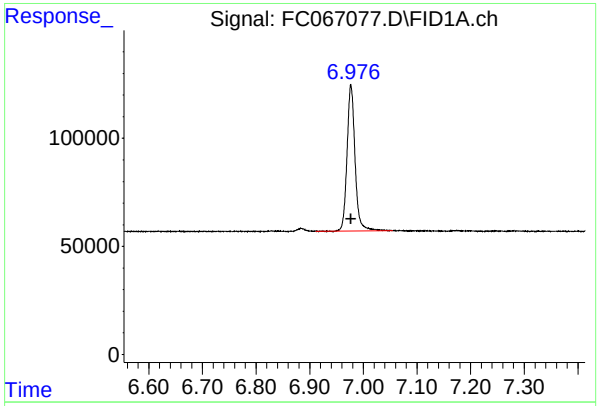
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 759300
Conc: 5.34 ug/ml



#4 n-Dodecane (C12)

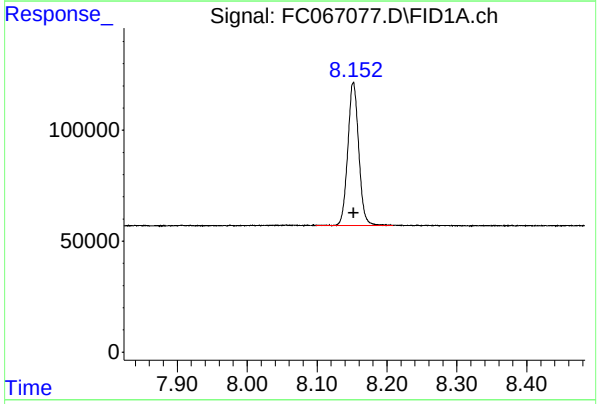
R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 733779
Conc: 5.48 ug/ml



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

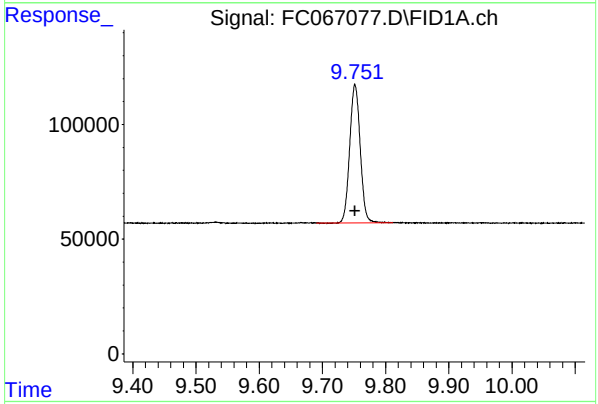
R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 702152
Conc: 5.26 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



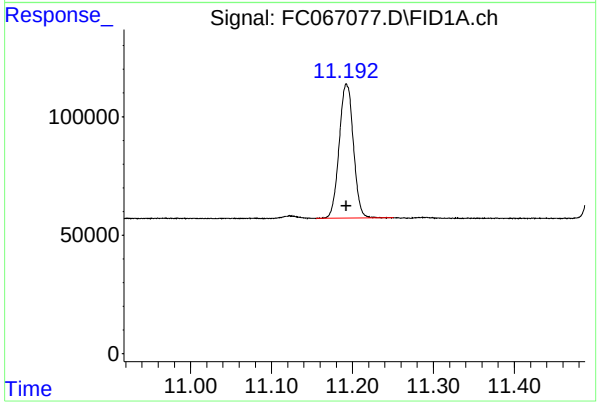
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 700268
Conc: 5.43 ug/ml



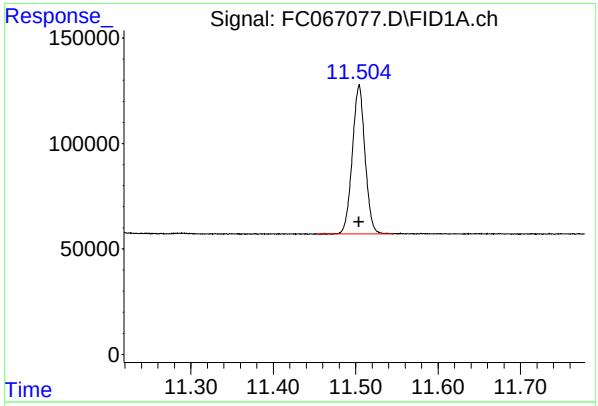
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.000 min
Response: 696687
Conc: 5.40 ug/ml



#8 n-Octadecane (C18)

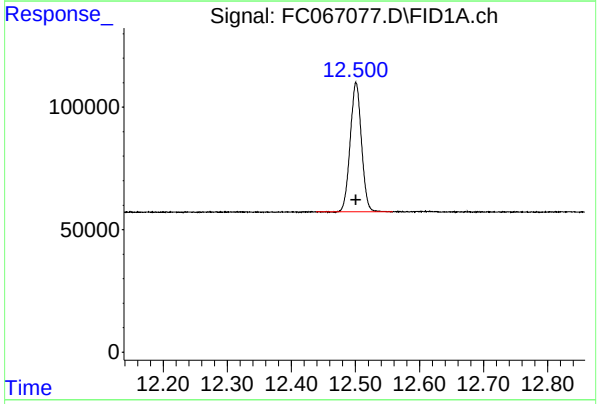
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 691467
Conc: 5.40 ug/ml



#9 ortho-Terphenyl (SURR)

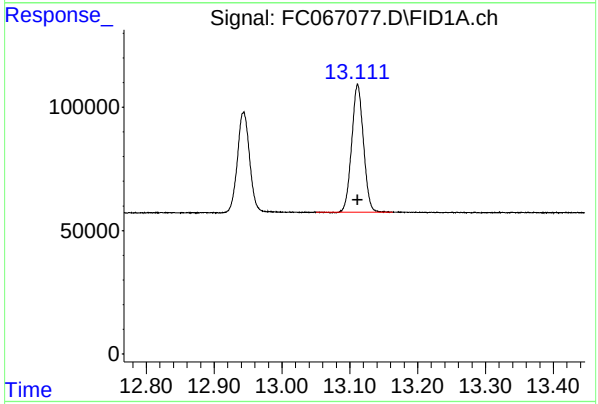
R.T.: 11.504 min
Delta R.T.: 0.000 min
Response: 755299
Conc: 5.42 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



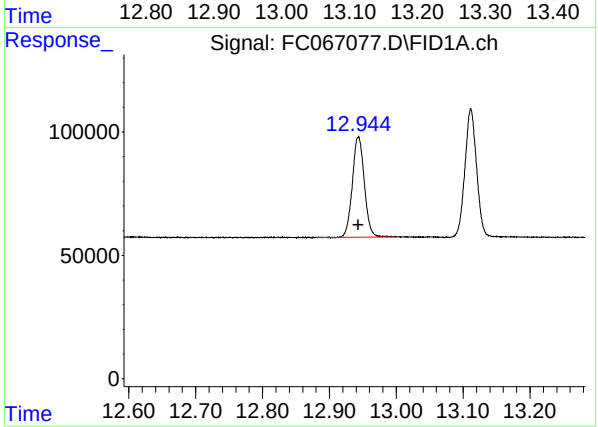
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 646789
Conc: 5.38 ug/ml



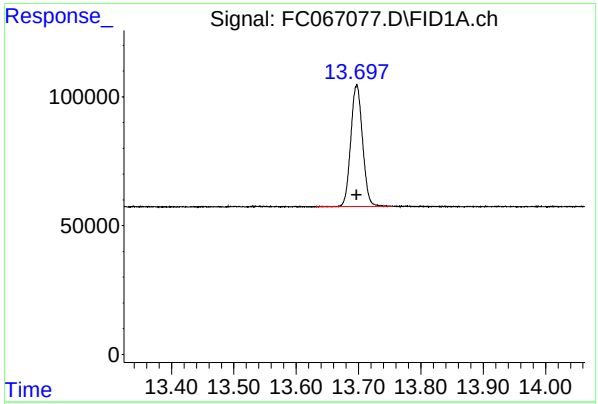
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.000 min
Response: 624925
Conc: 5.35 ug/ml



#12 1-chlorooctadecane (SURR)

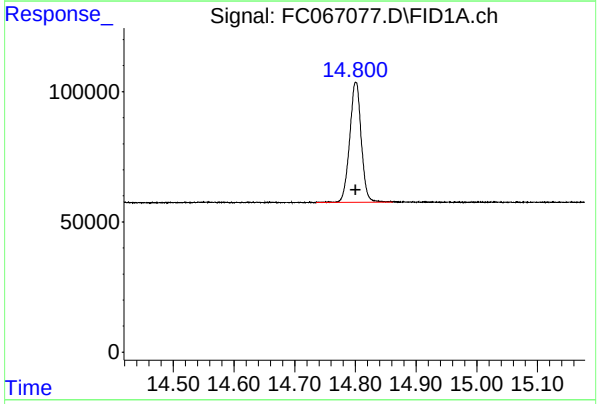
R.T.: 12.943 min
Delta R.T.: 0.000 min
Response: 504187
Conc: 5.16 ug/ml



#13 n-Docosane (C22)

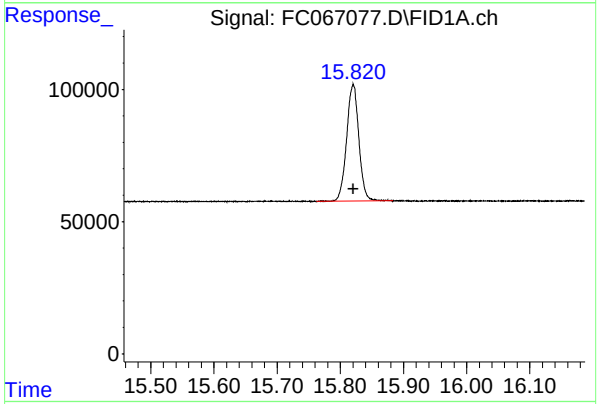
R.T.: 13.697 min
Delta R.T.: 0.000 min
Response: 619054
Conc: 5.36 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



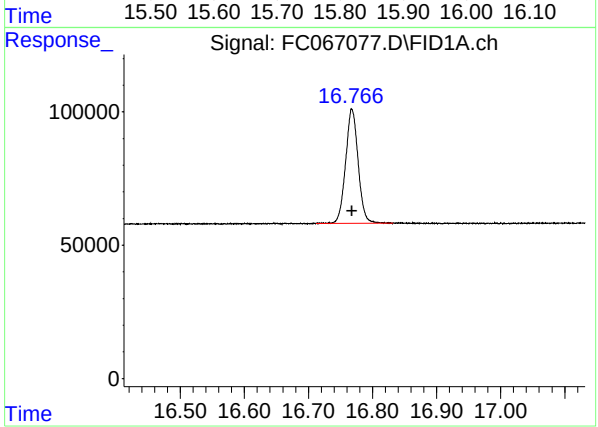
#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: 0.000 min
Response: 609641
Conc: 5.37 ug/ml



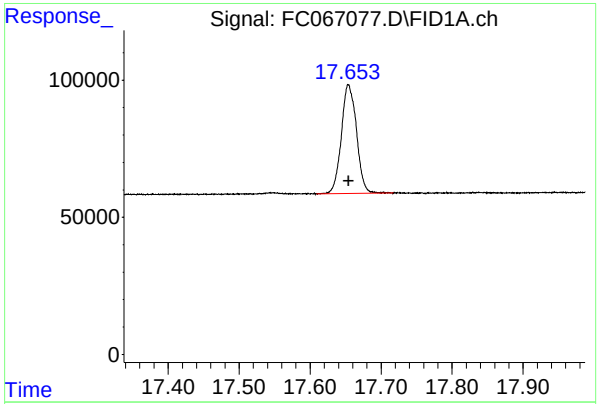
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.000 min
Response: 593015
Conc: 5.35 ug/ml



#16 n-Octacosane (C28)

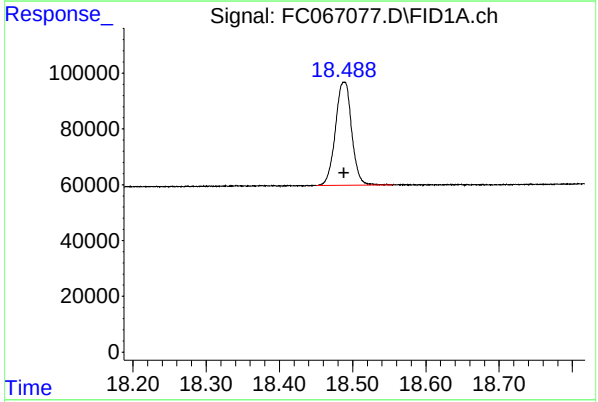
R.T.: 16.768 min
Delta R.T.: 0.000 min
Response: 580465
Conc: 5.37 ug/ml



#17 n-Tricontane (C30)

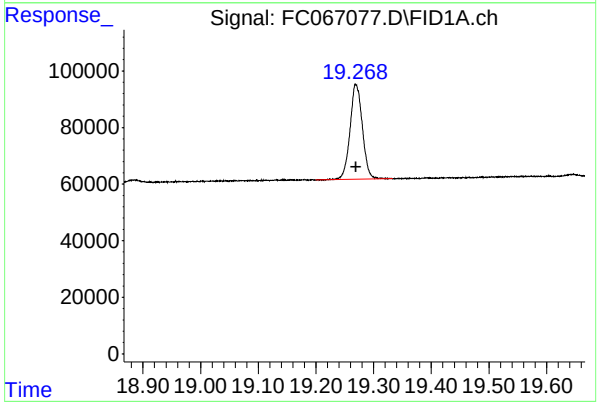
R.T.: 17.654 min
Delta R.T.: 0.000 min
Response: 589388
Conc: 5.42 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



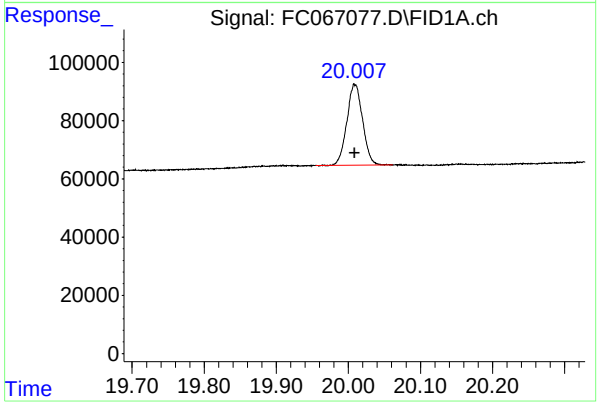
#18 n-Dotriacontane (C32)

R.T.: 18.488 min
Delta R.T.: 0.000 min
Response: 569622
Conc: 5.46 ug/ml



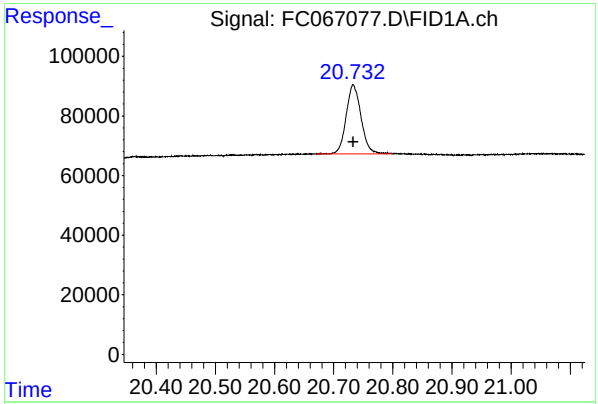
#19 n-Tetratriacontane (C34)

R.T.: 19.270 min
Delta R.T.: 0.000 min
Response: 502439
Conc: 5.45 ug/ml



#20 n-Hexatriacontane (C36)

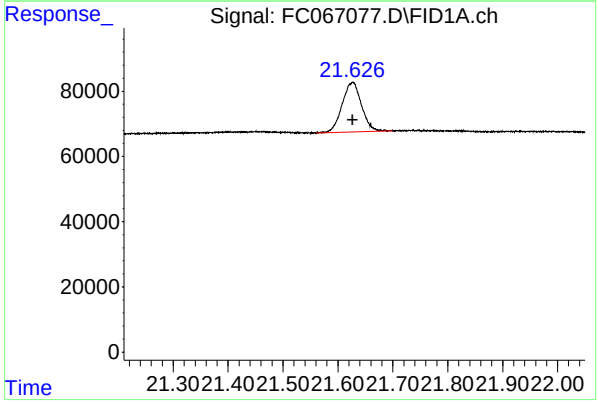
R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 422298
Conc: 5.33 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.733 min
Delta R.T.: 0.000 min
Response: 403620
Conc: 5.37 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.627 min
Delta R.T.: 0.000 min
Response: 373436
Conc: 5.35 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067077.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:40
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 091024.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	3.276	3.250	3.323	BB	86276	729174	96.03%	5.386%
2	4.341	4.282	4.388	BB	78137	731774	96.37%	5.405%
3	5.921	5.873	5.993	BB	77816	759300	100.00%	5.608%
4	6.358	6.302	6.420	BB	72137	733779	96.64%	5.420%
5	6.977	6.912	7.055	BB	67590	702152	92.47%	5.186%
6	8.152	8.098	8.208	BB	64285	700268	92.23%	5.172%
7	9.752	9.690	9.812	BB	60312	696687	91.75%	5.146%
8	11.193	11.155	11.250	BB	56230	691467	91.07%	5.107%
9	11.504	11.452	11.545	BB	70014	755299	99.47%	5.579%
10	12.501	12.438	12.558	BB	52614	646789	85.18%	4.777%
11	12.943	12.880	12.995	BB	40500	504187	66.40%	3.724%
12	13.112	13.050	13.163	BB	51994	624925	82.30%	4.616%
13	13.697	13.632	13.755	BB	46996	619054	81.53%	4.572%
14	14.801	14.735	14.862	BB	46140	609641	80.29%	4.503%
15	15.820	15.762	15.883	BB	44058	593015	78.10%	4.380%
16	16.768	16.712	16.832	BB	42582	580465	76.45%	4.287%
17	17.654	17.608	17.717	BB	39695	589388	77.62%	4.353%
18	18.488	18.450	18.555	BB	36967	569622	75.02%	4.207%
19	19.270	19.200	19.333	BB	33210	502439	66.17%	3.711%
20	20.009	19.955	20.062	BB	27844	422298	55.62%	3.119%
21	20.733	20.670	20.800	BB	23107	403620	53.16%	2.981%
22	21.627	21.560	21.700	BB	15285	373436	49.18%	2.758%
			Sum of corrected areas:			13538779		

Aliphatic EPH 091024.M Wed Sep 11 03:20:09 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067078.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 14:19
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: sample.E
Quant Time: Sep 11 02:56:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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)	11.505	2653916	19.059 ug/ml
Spiked Amount	50.000	Recovery	=	38.12%
12)	S 1-chlorooctadecane (S...	12.945	1856704	19.007 ug/ml
Spiked Amount	50.000	Recovery	=	38.01%
	Target Compounds			
1)	T n-Nonane (C9)	3.276	2567537	19.356 ug/ml
2)	T n-Decane (C10)	4.342	2603367	19.384 ug/ml
3)	T A~Naphthalene (C11.7)	5.921	2737552	19.262 ug/ml
4)	T n-Dodecane (C12)	6.359	2582061	19.290 ug/ml
5)	T A~2-methylnaphthalene...	6.977	2565017	19.208 ug/ml
6)	T n-Tetradecane (C14)	8.153	2480270	19.245 ug/ml
7)	T n-Hexadecane (C16)	9.753	2463563	19.108 ug/ml
8)	T n-Octadecane (C18)	11.194	2445133	19.111 ug/ml
10)	T n-Eicosane (C20)	12.502	2284481	19.019 ug/ml
11)	T n-Heneicosane (C21)	13.113	2223186	19.035 ug/ml
13)	T n-Docosane (C22)	13.699	2194135	19.003 ug/ml
14)	T n-Tetracosane (C24)	14.800	2162319	19.041 ug/ml
15)	T n-Hexacosane (C26)	15.821	2106636	19.008 ug/ml
16)	T n-Octacosane (C28)	16.770	2048516	18.964 ug/ml
17)	T n-Tricontane (C30)	17.656	2053008	18.874 ug/ml
18)	T n-Dotriacontane (C32)	18.489	1959533	18.786 ug/ml
19)	T n-Tetratriacontane (C34)	19.271	1720105	18.644 ug/ml
20)	T n-Hexatriacontane (C36)	20.010	1473092	18.588 ug/ml
21)	T n-Octatriacontane (C38)	20.736	1344947	17.905 ug/ml
22)	T n-Tetracontane (C40)	21.626	1202369	17.210 ug/ml

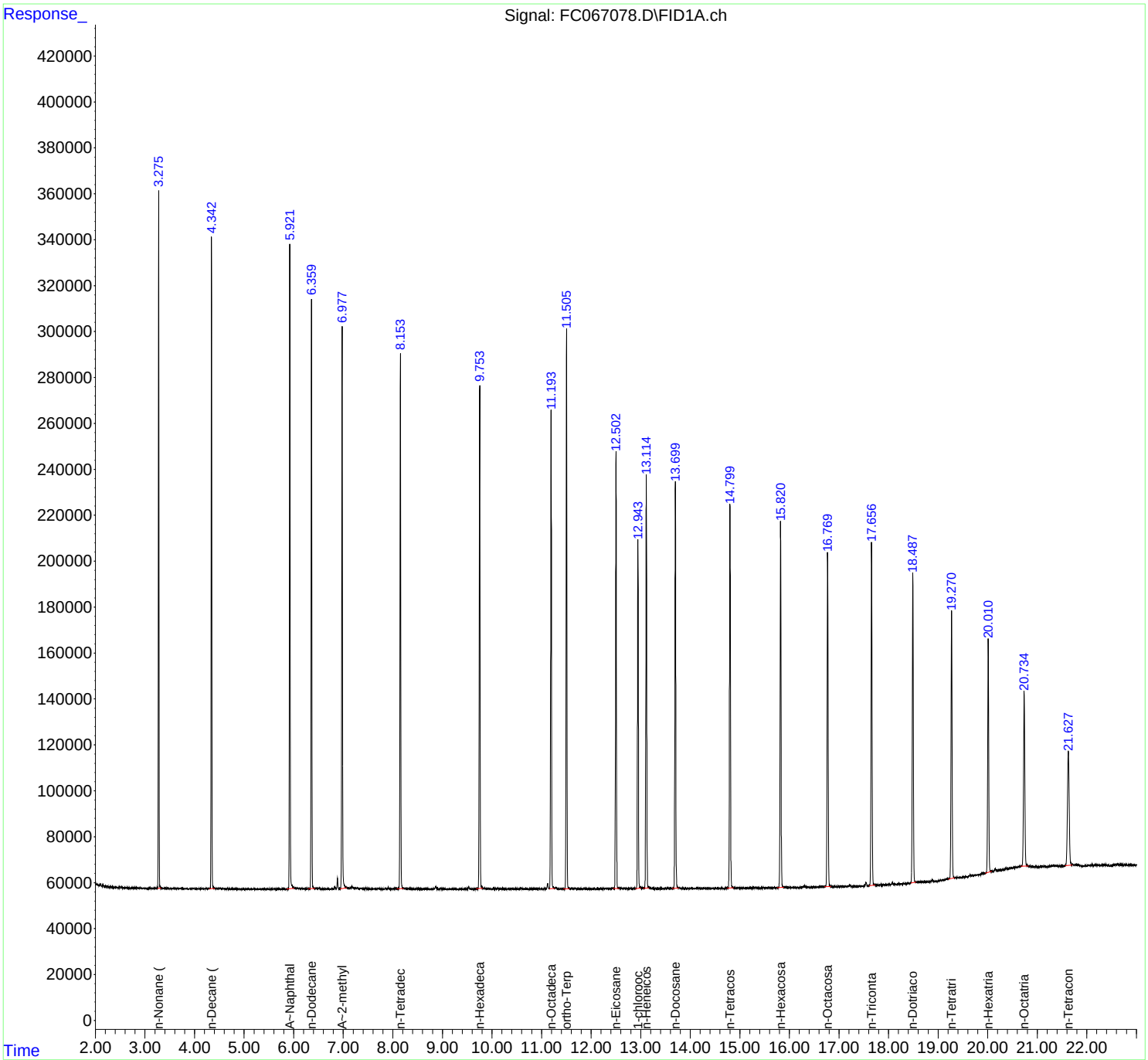
(f)=RT Delta > 1/2 Window (m)=manual int.

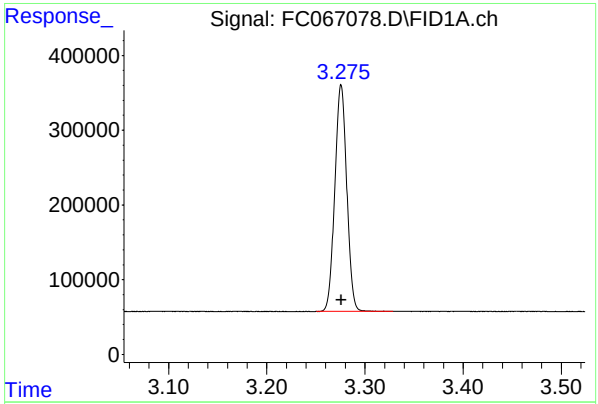
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067078.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 14:19
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: sample.E
Quant Time: Sep 11 02:56:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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

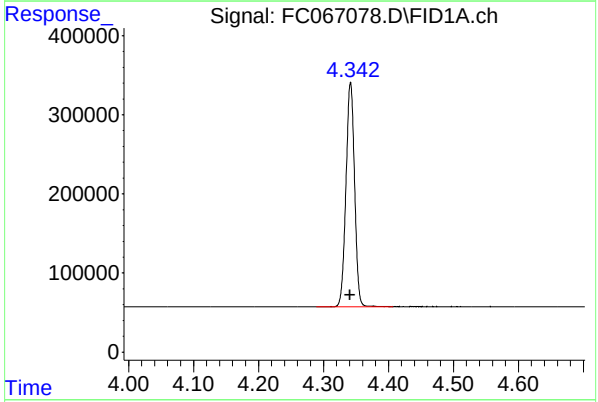




#1 n-Nonane (C9)

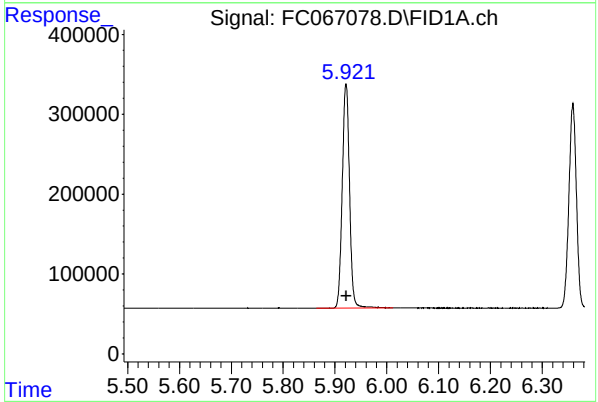
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 2567537
Conc: 19.36 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



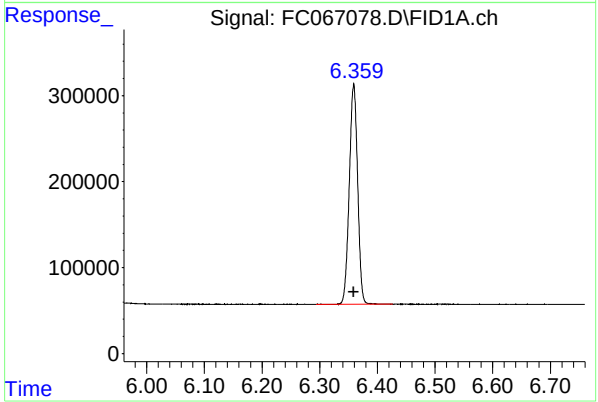
#2 n-Decane (C10)

R.T.: 4.342 min
Delta R.T.: 0.000 min
Response: 2603367
Conc: 19.38 ug/ml



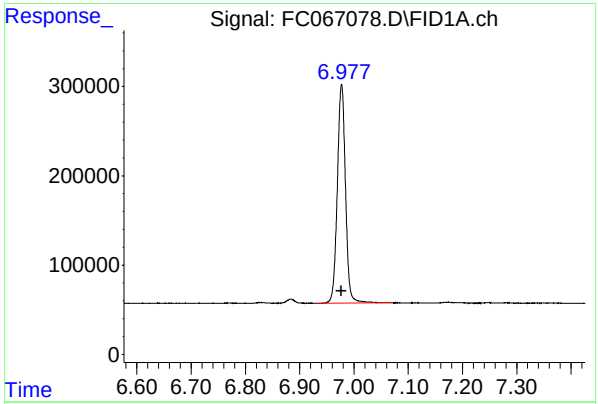
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 2737552
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

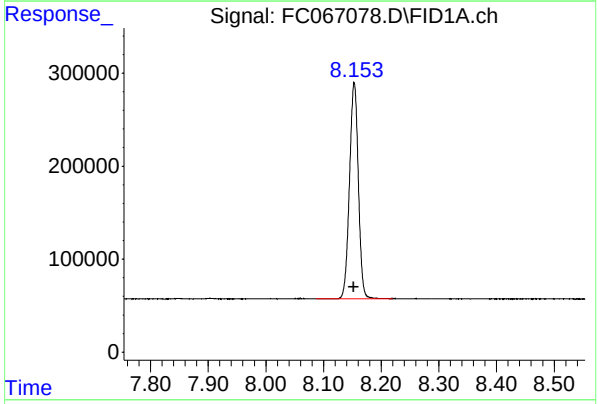
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 2582061
Conc: 19.29 ug/ml



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

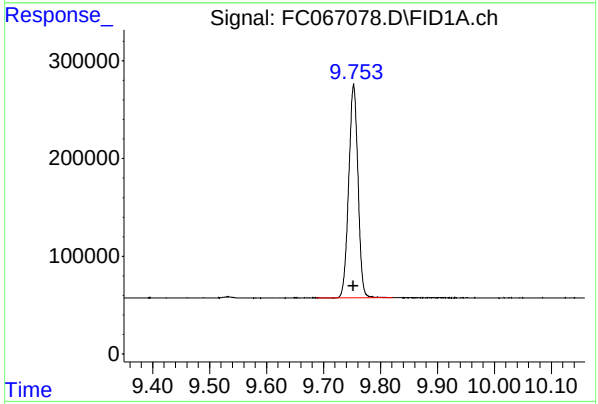
R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 2565017
Conc: 19.21 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



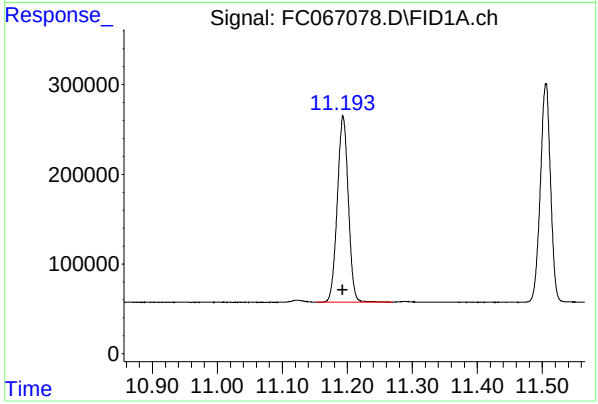
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: 0.001 min
Response: 2480270
Conc: 19.25 ug/ml



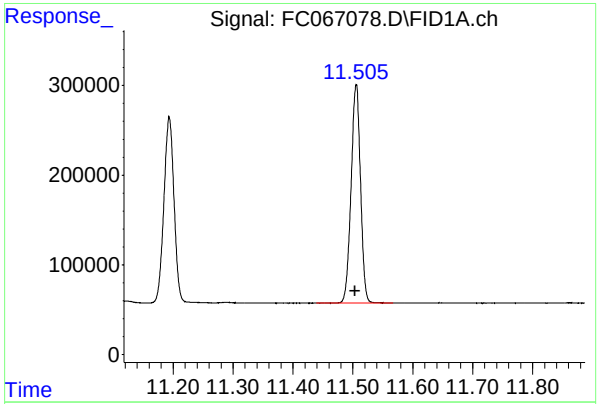
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: 0.001 min
Response: 2463563
Conc: 19.11 ug/ml



#8 n-Octadecane (C18)

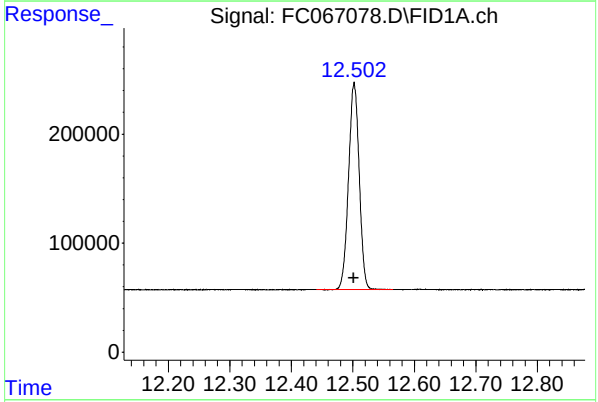
R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 2445133
Conc: 19.11 ug/ml



#9 ortho-Terphenyl (SURR)

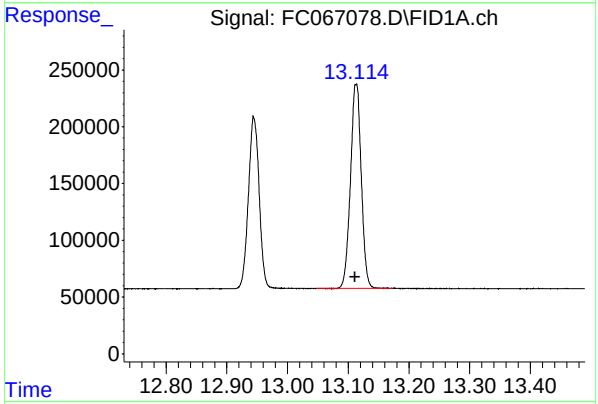
R.T.: 11.505 min
Delta R.T.: 0.001 min
Response: 2653916
Conc: 19.06 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



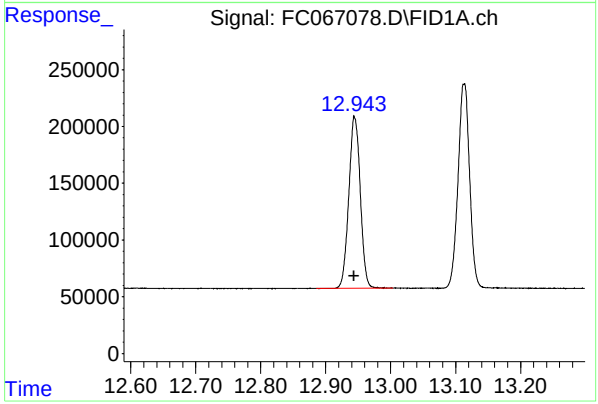
#10 n-Eicosane (C20)

R.T.: 12.502 min
Delta R.T.: 0.001 min
Response: 2284481
Conc: 19.02 ug/ml



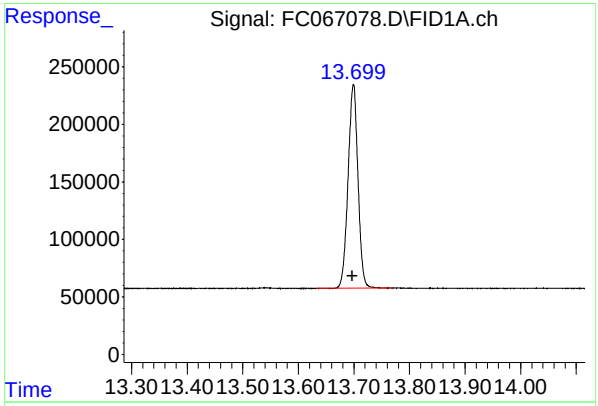
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.002 min
Response: 2223186
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

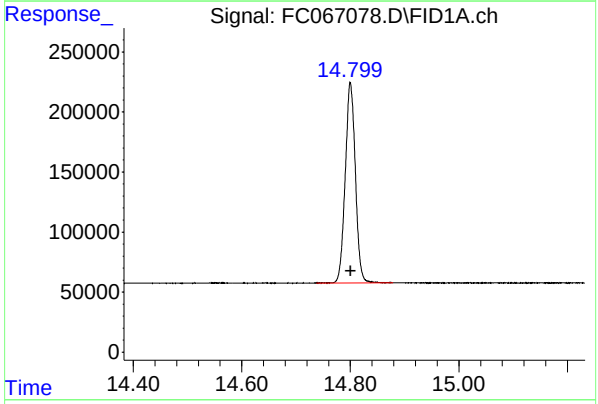
R.T.: 12.945 min
Delta R.T.: 0.001 min
Response: 1856704
Conc: 19.01 ug/ml



#13 n-Docosane (C22)

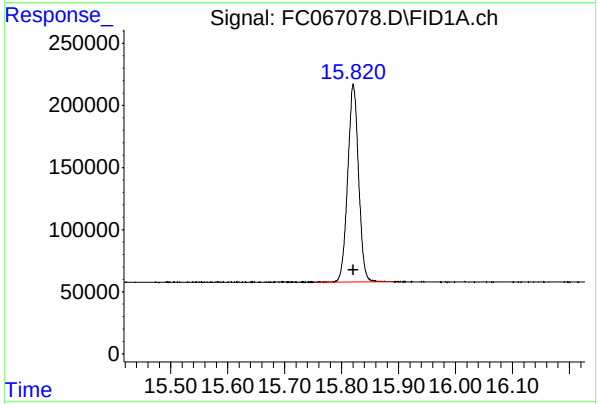
R.T.: 13.699 min
Delta R.T.: 0.002 min
Response: 2194135
Conc: 19.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



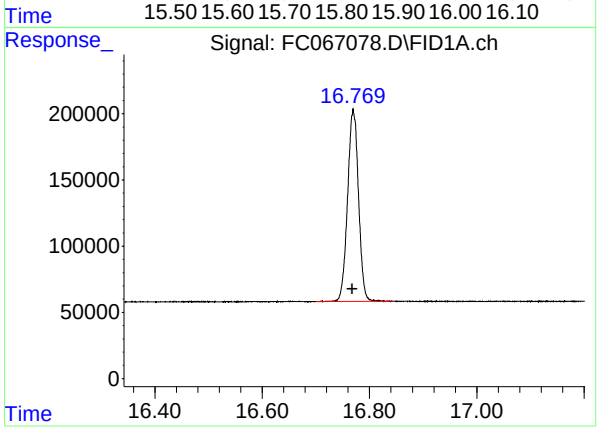
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.000 min
Response: 2162319
Conc: 19.04 ug/ml



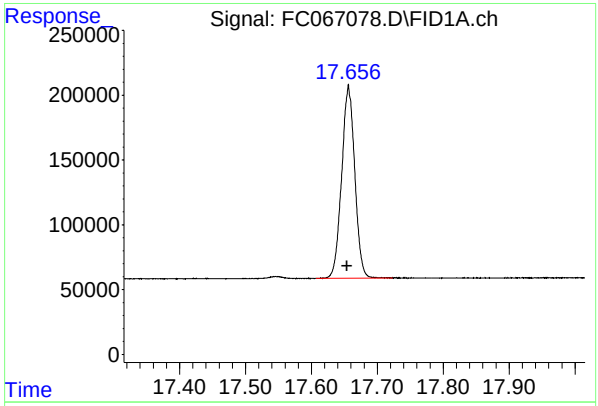
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.000 min
Response: 2106636
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

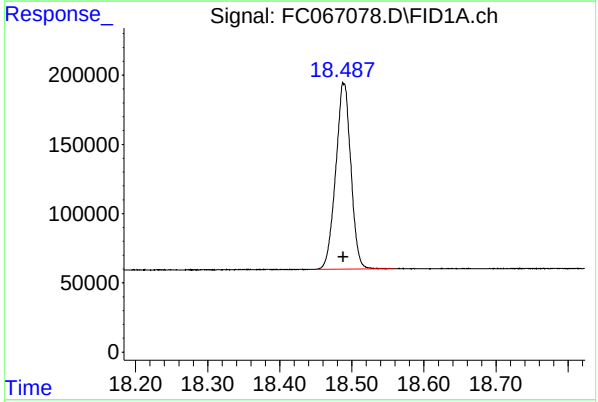
R.T.: 16.770 min
Delta R.T.: 0.002 min
Response: 2048516
Conc: 18.96 ug/ml



#17 n-Tricontane (C30)

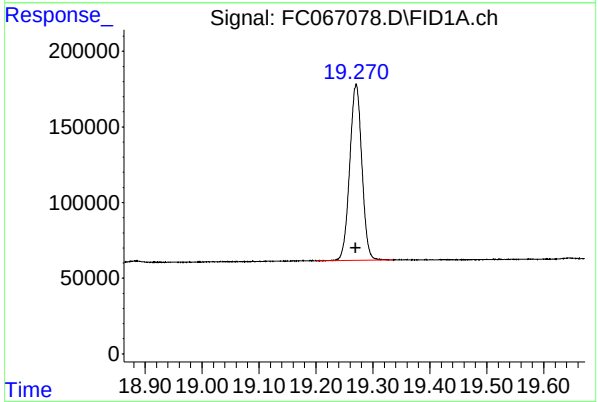
R.T.: 17.656 min
Delta R.T.: 0.002 min
Response: 2053008
Conc: 18.87 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



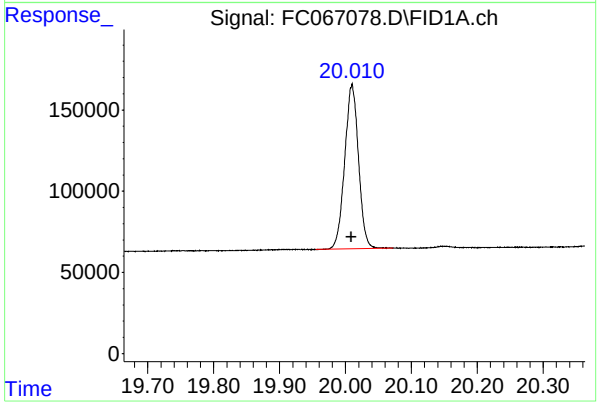
#18 n-Dotriacontane (C32)

R.T.: 18.489 min
Delta R.T.: 0.000 min
Response: 1959533
Conc: 18.79 ug/ml



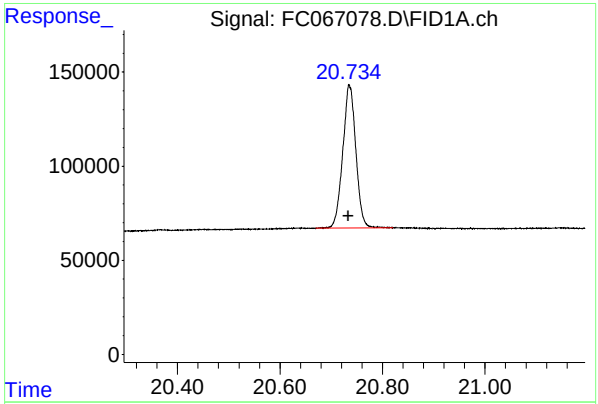
#19 n-Tetratriacontane (C34)

R.T.: 19.271 min
Delta R.T.: 0.000 min
Response: 1720105
Conc: 18.64 ug/ml



#20 n-Hexatriacontane (C36)

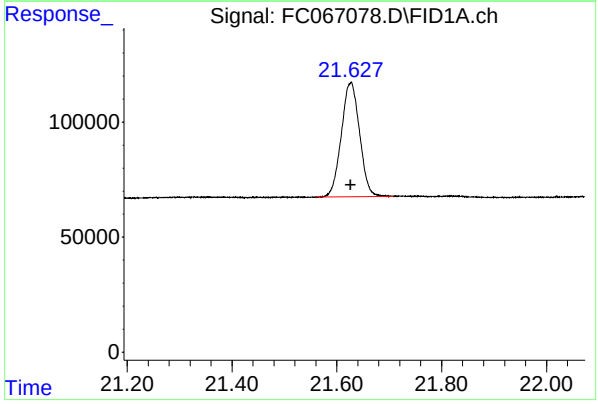
R.T.: 20.010 min
Delta R.T.: 0.000 min
Response: 1473092
Conc: 18.59 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.736 min
Delta R.T.: 0.002 min
Response: 1344947
Conc: 17.90 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.626 min
Delta R.T.: 0.000 min
Response: 1202369
Conc: 17.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067078.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 14:19
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 091024.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	3.276	3.250	3.329	BB	303611	2567537	93.79%	5.380%
2	4.342	4.289	4.407	BB	283648	2603367	95.10%	5.455%
3	5.921	5.864	6.012	BB	281082	2737552	100.00%	5.736%
4	6.359	6.294	6.427	BB	254674	2582061	94.32%	5.410%
5	6.977	6.930	7.072	BB	244773	2565017	93.70%	5.374%
6	8.153	8.087	8.220	BB	232505	2480270	90.60%	5.197%
7	9.753	9.687	9.822	BB	218357	2463563	89.99%	5.162%
8	11.194	11.152	11.270	VV	207995	2445133	89.32%	5.123%
9	11.505	11.439	11.567	BB	244233	2653916	96.94%	5.561%
10	12.502	12.440	12.565	BB	188959	2284481	83.45%	4.787%
11	12.945	12.885	13.004	BB	149413	1856704	67.82%	3.890%
12	13.113	13.047	13.174	BB	179861	2223186	81.21%	4.658%
13	13.699	13.632	13.770	BB	176950	2194135	80.15%	4.597%
14	14.800	14.737	14.879	BB	166498	2162319	78.99%	4.531%
15	15.821	15.755	15.890	BB	158565	2106636	76.95%	4.414%
16	16.770	16.700	16.844	BB	144012	2048516	74.83%	4.292%
17	17.656	17.607	17.724	BB	147827	2053008	74.99%	4.302%
18	18.489	18.450	18.557	BB	133735	1959533	71.58%	4.106%
19	19.271	19.200	19.335	BB	116120	1720105	62.83%	3.604%
20	20.010	19.955	20.072	BB	101509	1473092	53.81%	3.086%
21	20.736	20.670	20.820	BB	75732	1344947	49.13%	2.818%
22	21.626	21.560	21.707	BB	49845	1202369	43.92%	2.519%
			Sum of corrected areas:			47727445		

Aliphatic EPH 091024.M Wed Sep 11 03:20:23 2024

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

Inital Calibration Report for SequenceID : FD090624AR

AreaCount

Parameter Range	FD048278.D	FD048279.D	FD048280.D	FD048281.D	FD048282.D	
Aromatic C10-C12	33822843.000	16992105.000	7185463.000	3799457.000	1844716.000	
Aromatic C12-C16	50657949.000	25485259.000	10728832.000	5594117.000	2726208.000	
Aromatic C16-C21	62780166.000	31566500.000	13040960.000	6728582.000	3288917.000	
Aromatic C21-C36	129453788.000	65480240.000	26871093.000	14164223.000	6440928.000	
Aromatic EPH	276714746.000	139524104.000	57826348.000	30286379.000	14300769.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	178623.258	5.086				
Aromatic C12-C16	177158.6379996	4.299				
Aromatic C16-C21	162091.063	2.901				
Aromatic C21-C36	147829.0051108	3.955				
Aromatic EPH	159308.2071108	3.598				

Concentration

Parameter Range	FD048278.D	FD048279.D	FD048280.D	FD048281.D	FD048282.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	FD048278.D	FD048279.D	FD048280.D	FD048281.D	FD048282.D	
Aromatic C10-C12	169114.215000	169921.050000	179636.575000	189972.850000	184471.600000	
Aromatic C12-C16	168859.830000	169901.726666	178813.866666	186470.566666	181747.200000	
Aromatic C16-C21	156950.415000	157832.500000	163012.000000	168214.550000	164445.850000	
Aromatic C21-C36	143837.542222	145511.644444	149283.850000	157380.255555	143131.733333	
Aromatic EPH	153730.414444	155026.782222	160628.744444	168257.661111	158897.433333	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048278.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 08:26
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 06 10:20:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:19:09 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 :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.397	14576847	95.183 ug/ml
Spiked Amount	50.000		Recovery =	190.37%
6) S	2-Flurobiphenyl (SURR)	8.248	9654628	97.415 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	194.83%#
11) S	ortho-Terphenyl (SURR)	11.287	16309357	94.263 ug/ml
Spiked Amount	50.000		Recovery =	188.53%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.216	16631674	94.071 ug/ml
2) T	Naphthalene (C11.7)	5.737	17191169	94.211 ug/ml
3) T	2-Methylnaphthalene (...	6.785	17171474	95.455 ug/ml
5) T	Acenaphthylene (C15.06)	8.053	16698789	94.565 ug/ml
7) T	Acenaphthene (C15.5)	8.350	16787686	93.283 ug/ml
8) T	Flouorene (C16.55)	9.127	16245210	95.206 ug/ml
9) T	Phenanthrene (C19.36)	10.516	15881369	97.427 ug/ml
10) T	Anthracene (C19.43)	10.592	15249702	96.752 ug/ml
12) T	Fluoranthene (C21.85)	12.321	15551466	95.934 ug/ml
13) T	Pyrene (C20.8)	12.616	15403885	95.801 ug/ml
14) T	Benzo[a]anthracene (C...	14.484	14511099	100.499 ug/ml
15) T	Chrysene (C27.41)	14.530	14856353	91.449 ug/ml
16) T	benzo[b]fluoranthene ...	16.033	14948599	98.112 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.072	14049118	93.248 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.412	14583345	96.652 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.775	13350893	118.047 ug/ml
20) T	Dibenz[a,h]anthracene...	17.817	13338306	84.078 ug/mlm
21) T	Benzo[g,h,i]perylene ...	18.033	14264609	95.767 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048278.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 08:26
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

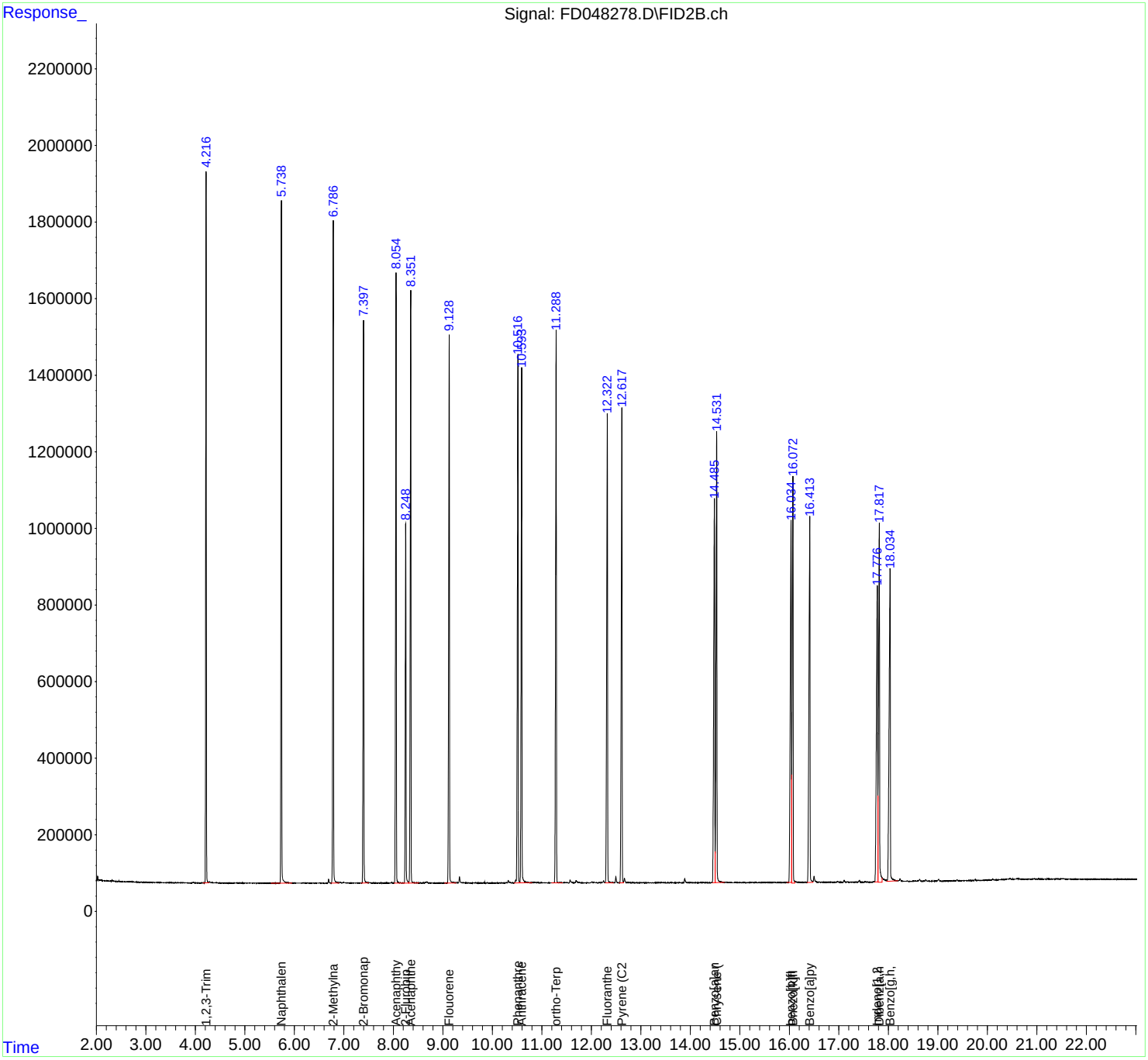
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

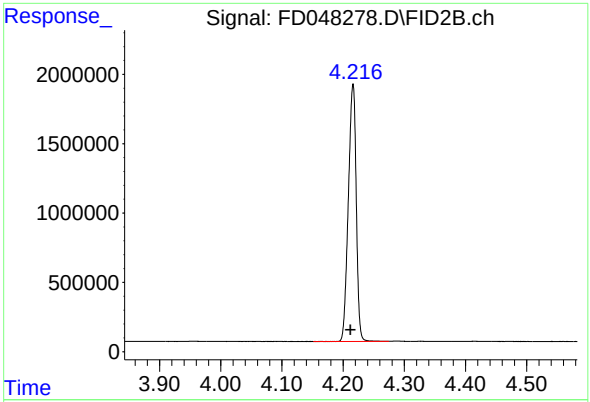
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
Quant Time: Sep 06 10:20:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:19:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





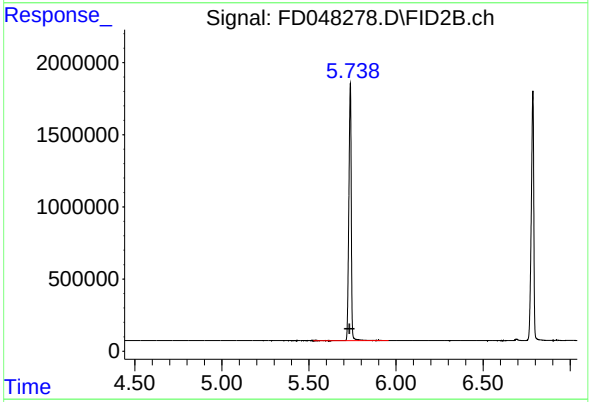
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.216 min
Delta R.T.: 0.004 min
Response: 16631674
Conc: 94.07 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

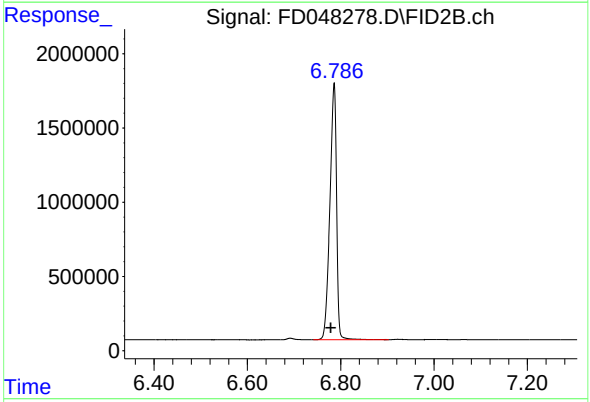
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



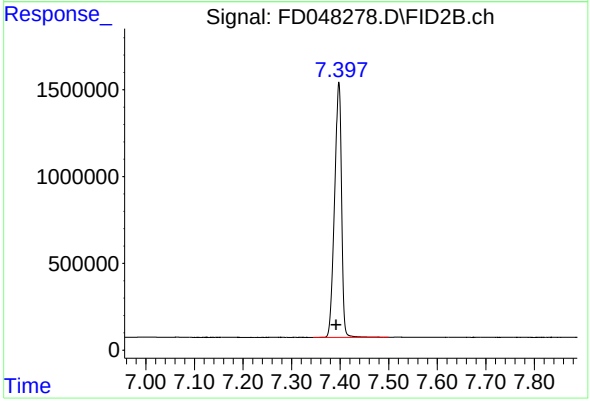
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: 0.005 min
Response: 17191169
Conc: 94.21 ug/ml



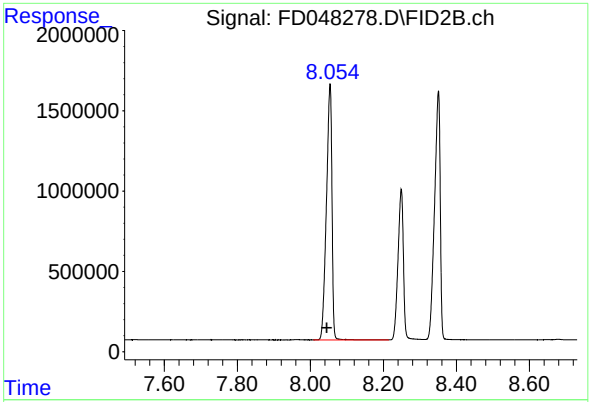
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.785 min
Delta R.T.: 0.006 min
Response: 17171474
Conc: 95.45 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.397 min
Delta R.T.: 0.005 min
Response: 14576847
Conc: 95.18 ug/ml



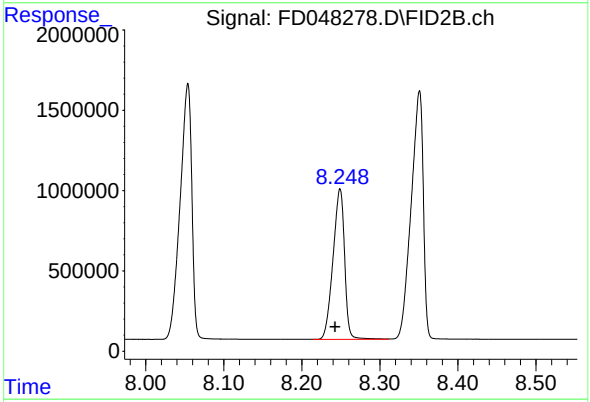
#5 Acenaphthylene (C15.06)

R.T.: 8.053 min
Delta R.T.: 0.009 min
Response: 16698789
Conc: 94.57 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

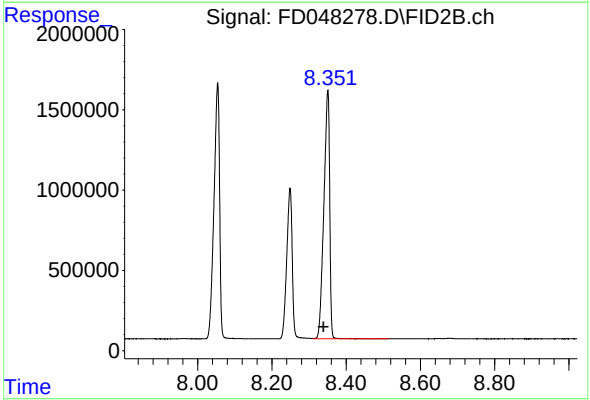
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



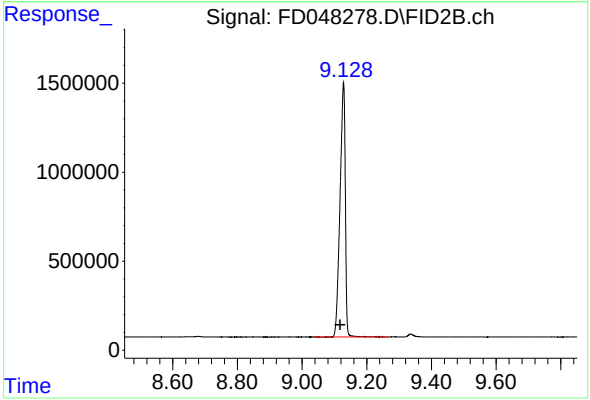
#6 2-Flurobiphenyl (SURR)

R.T.: 8.248 min
Delta R.T.: 0.006 min
Response: 9654628
Conc: 97.41 ug/ml



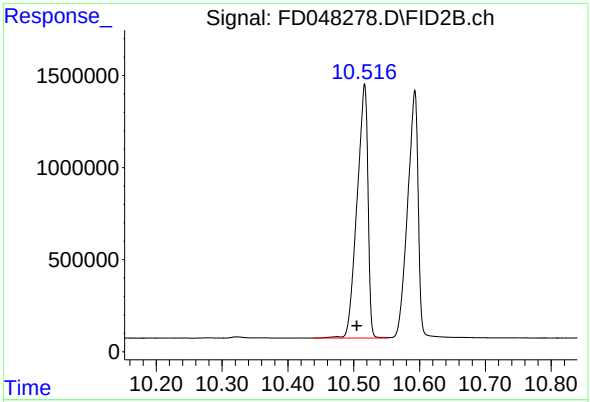
#7 Acenaphthene (C15.5)

R.T.: 8.350 min
Delta R.T.: 0.011 min
Response: 16787686
Conc: 93.28 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.127 min
Delta R.T.: 0.010 min
Response: 16245210
Conc: 95.21 ug/ml



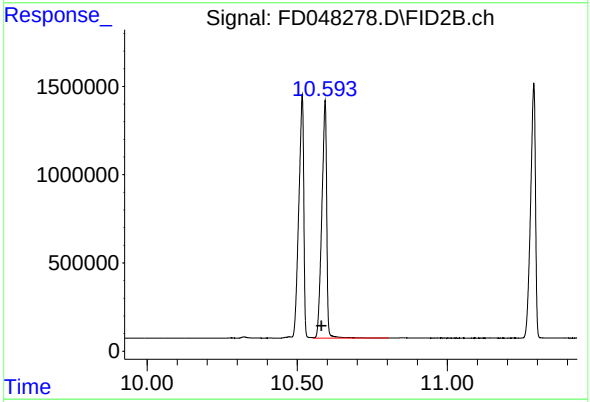
#9 Phenanthrene (C19.36)

R.T.: 10.516 min
Delta R.T.: 0.011 min
Response: 15881369
Conc: 97.43 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

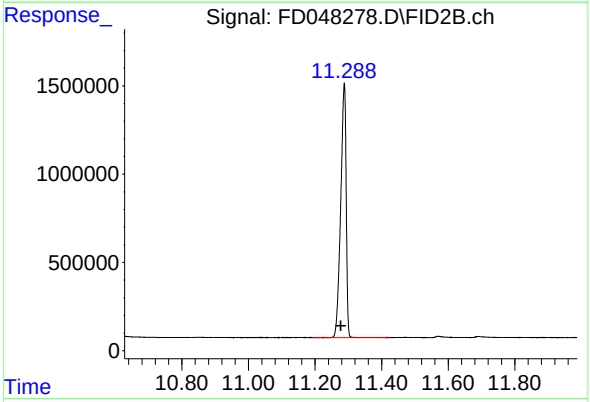
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



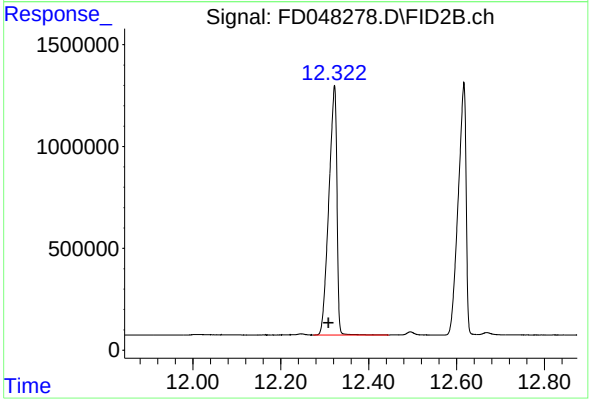
#10 Anthracene (C19.43)

R.T.: 10.592 min
Delta R.T.: 0.012 min
Response: 15249702
Conc: 96.75 ug/ml



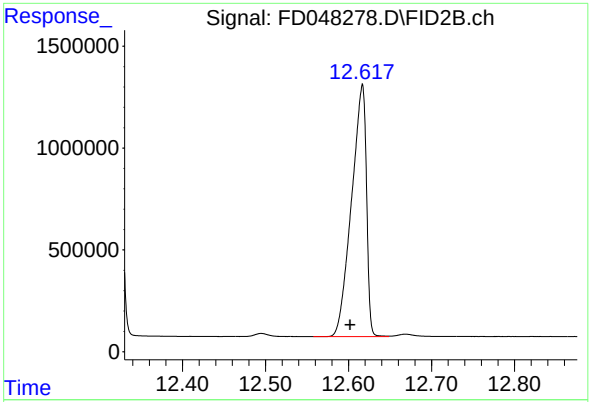
#11 ortho-Terphenyl (SURR)

R.T.: 11.287 min
Delta R.T.: 0.010 min
Response: 16309357
Conc: 94.26 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.321 min
Delta R.T.: 0.013 min
Response: 15551466
Conc: 95.93 ug/ml



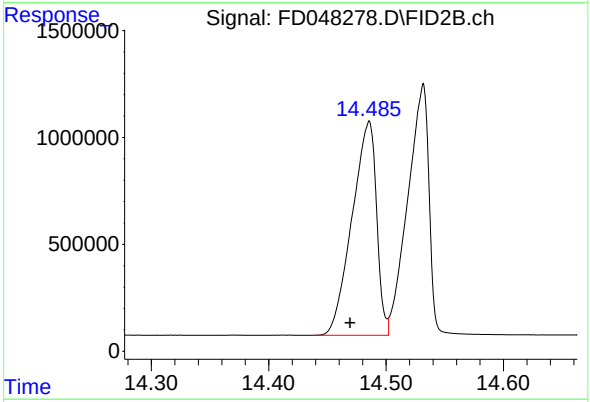
#13 Pyrene (C20.8)

R.T.: 12.616 min
Delta R.T.: 0.014 min
Response: 15403885
Conc: 95.80 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

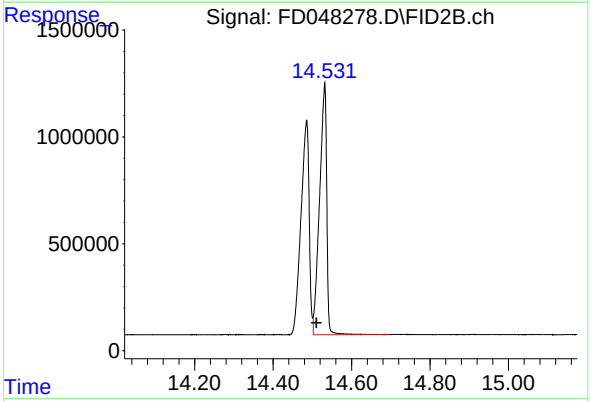
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



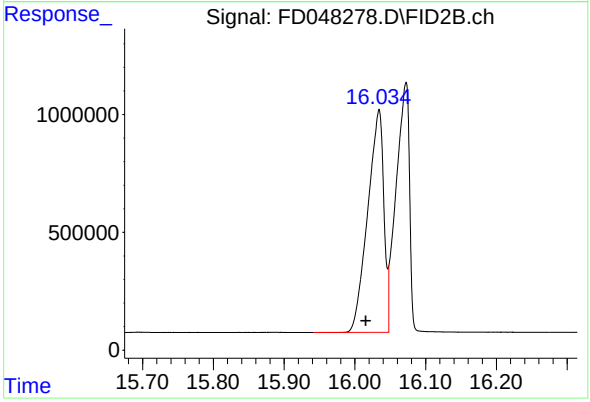
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.484 min
Delta R.T.: 0.015 min
Response: 14511099
Conc: 100.50 ug/ml



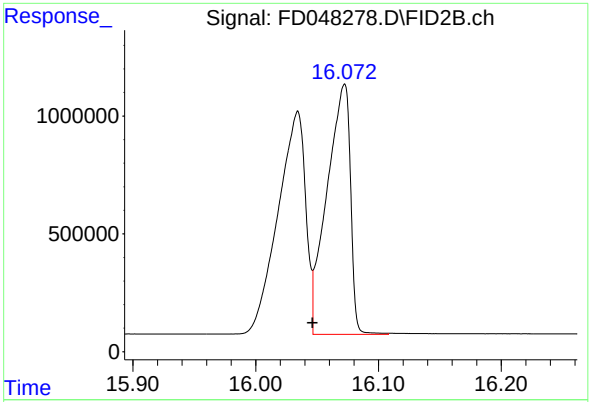
#15 Chrysene (C27.41)

R.T.: 14.530 min
Delta R.T.: 0.020 min
Response: 14856353
Conc: 91.45 ug/ml



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

R.T.: 16.033 min
Delta R.T.: 0.018 min
Response: 14948599
Conc: 98.11 ug/ml



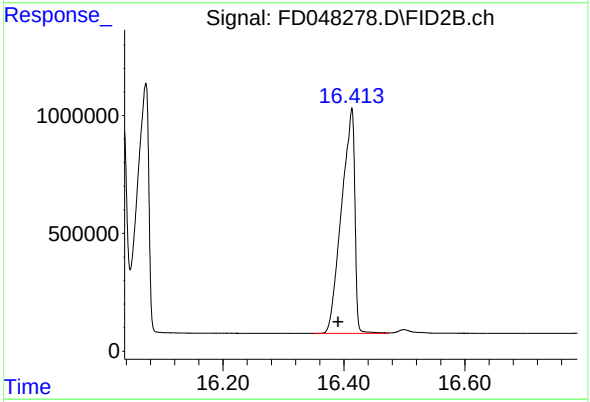
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.072 min
Delta R.T.: 0.026 min
Response: 14049118
Conc: 93.25 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

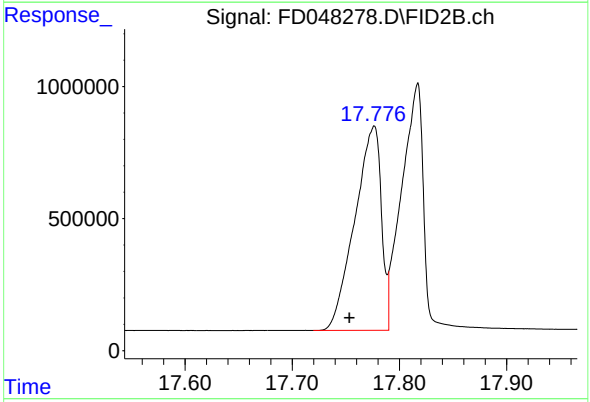
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



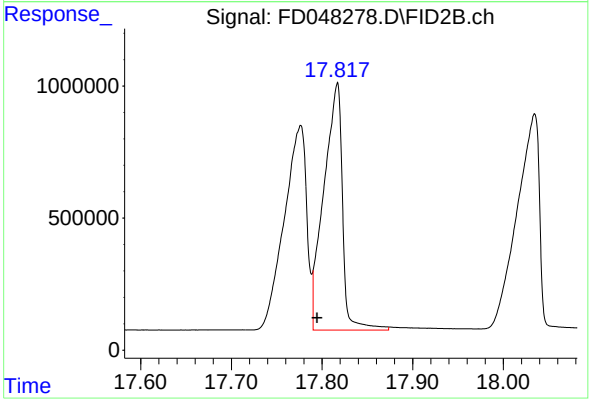
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.412 min
Delta R.T.: 0.021 min
Response: 14583345
Conc: 96.65 ug/ml



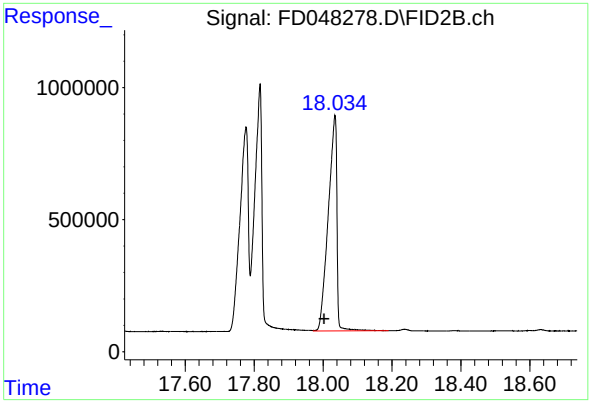
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.775 min
Delta R.T.: 0.022 min
Response: 13350893
Conc: 118.05 ug/ml



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

R.T.: 17.817 min
Delta R.T.: 0.022 min
Response: 13338306
Conc: 84.08 ug/ml m



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

R.T.: 18.033 min
Delta R.T.: 0.030 min
Response: 14264609
Conc: 95.77 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Instrument :
FID_D
LabSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Da
Data File : FD048278.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 08:26
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 090624.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	4.216	4.151	4.274	BV	1831327	16631674	96.75%	5.240%
2	5.737	5.524	5.958	BV	1798018	17191169	100.00%	5.416%
3	6.785	6.741	6.903	VV	1702042	17171474	99.89%	5.410%
4	7.397	7.344	7.500	BV	1484976	14576847	84.79%	4.593%
5	8.053	8.008	8.214	VV	1619796	16698789	97.14%	5.261%
6	8.248	8.214	8.311	VV	930036	9654628	56.16%	3.042%
7	8.350	8.311	8.514	VV	1579823	16787686	97.65%	5.289%
8	9.127	9.034	9.268	BV	1433774	16245210	94.50%	5.118%
9	10.516	10.438	10.553	PV	1343707	15881369	92.38%	5.004%
10	10.592	10.553	10.804	VV	1314441	15249702	88.71%	4.805%
11	11.287	11.194	11.421	BB	1446721	16309357	94.87%	5.139%
12	12.321	12.274	12.445	VV	1212183	15551466	90.46%	4.900%
13	12.616	12.557	12.648	PV	1207541	15403885	89.60%	4.853%
14	14.484	14.438	14.502	PV	993209	14511099	84.41%	4.572%
15	14.530	14.502	14.694	VV	1174563	14856353	86.42%	4.681%
16	16.033	15.941	16.048	BV	952481	14948599	86.96%	4.710%
17	16.071	16.048	16.188	VB	1056663	13885447	80.77%	4.375%
18	16.412	16.349	16.474	PV	929530	14583345	84.83%	4.595%
19	17.775	17.720	17.790	VV	766013	13350893	77.66%	4.206%
20	17.816	17.790	17.971	VV	911824	13635628	79.32%	4.296%
21	18.033	17.971	18.190	VV	825320	14264609	82.98%	4.494%

Sum of corrected areas: 317389230

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048279.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 09:03
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: Sep 06 10:21:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:19:09 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...	7.393	7372684	49.330 ug/ml
Spiked Amount	50.000		Recovery =	98.66%
6) S	2-Flurobiphenyl (SURR)	8.244	4804768	49.115 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	98.23%
11) S	ortho-Terphenyl (SURR)	11.281	8254651	49.118 ug/ml
Spiked Amount	50.000		Recovery =	98.24%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.213	8353992	48.695 ug/ml
2) T	Naphthalene (C11.7)	5.733	8638113	48.750 ug/ml
3) T	2-Methylnaphthalene (...	6.781	8611762	48.985 ug/ml
5) T	Acenaphthylene (C15.06)	8.047	8415009	48.985 ug/ml
7) T	Acenaphthene (C15.5)	8.343	8458488	48.634 ug/ml
8) T	Flouorene (C16.55)	9.121	8160794	49.001 ug/ml
9) T	Phenanthrene (C19.36)	10.508	7963793	49.492 ug/ml
10) T	Anthracene (C19.43)	10.584	7671918	49.478 ug/ml
12) T	Fluoranthene (C21.85)	12.313	7821636	49.251 ug/ml
13) T	Pyrene (C20.8)	12.607	7769995	49.360 ug/ml
14) T	Benzo[a]anthracene (C...	14.475	7256084	50.128 ug/ml
15) T	Chrysene (C27.41)	14.518	7584615	48.773 ug/ml
16) T	benzo[b]fluoranthene ...	16.022	7497351	49.676 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.057	7194031	49.417 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.398	7382253	49.759 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.762	6277119	50.908 ug/ml
20) T	Dibenz[a,h]anthracene...	17.800	7229026	49.510 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.015	7238125	49.645 ug/ml

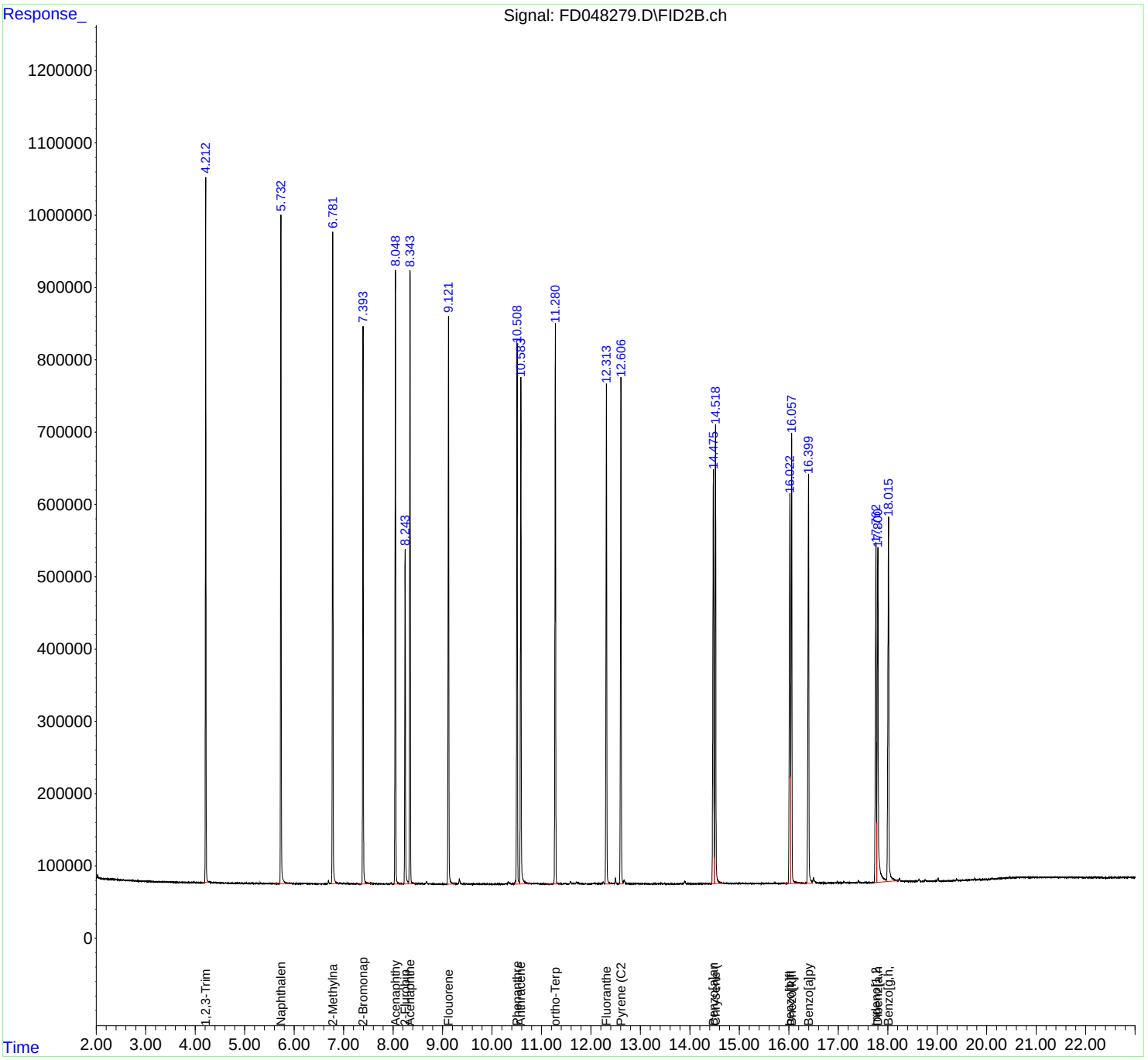
(f)=RT Delta > 1/2 Window (m)=manual int.

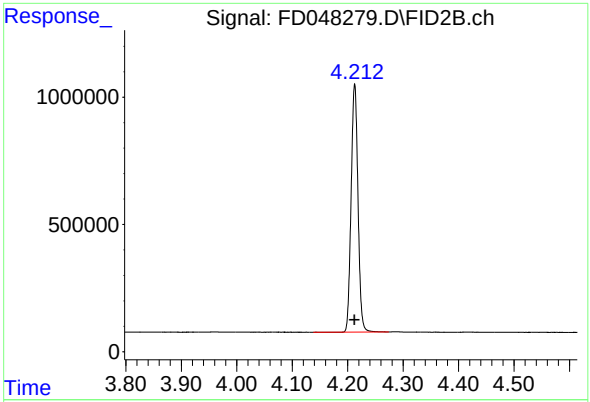
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048279.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 09:03
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 06 10:21:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:19:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

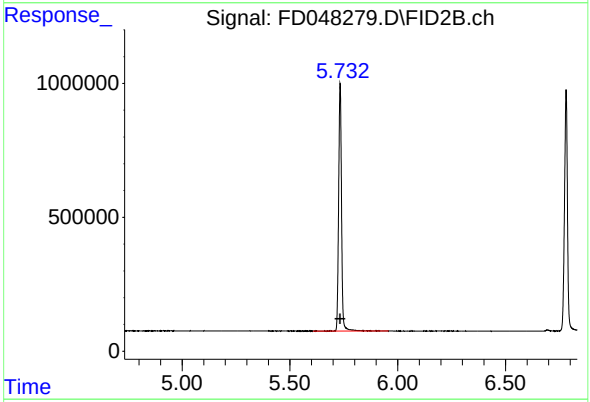




#1 1,2,3-Trimethylbenzene (C10.1)

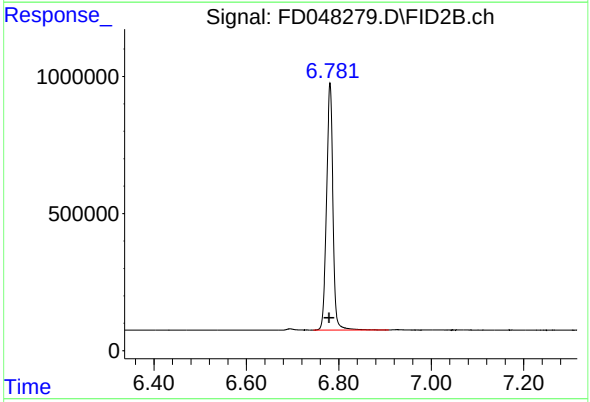
R.T.: 4.213 min
Delta R.T.: 0.000 min
Response: 8353992
Conc: 48.69 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



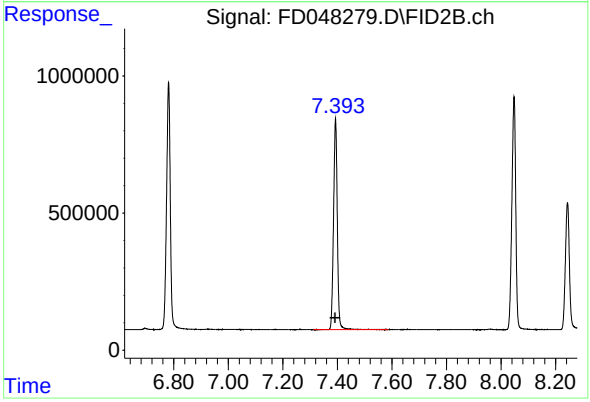
#2 Naphthalene (C11.7)

R.T.: 5.733 min
Delta R.T.: 0.000 min
Response: 8638113
Conc: 48.75 ug/ml



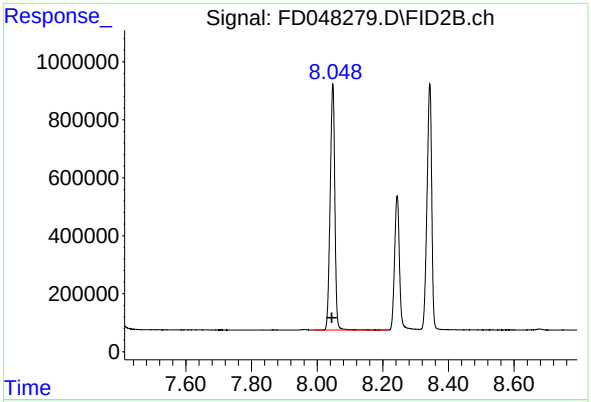
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.781 min
Delta R.T.: 0.002 min
Response: 8611762
Conc: 48.99 ug/ml



#4 2-Bromonaphthalene (SURR)

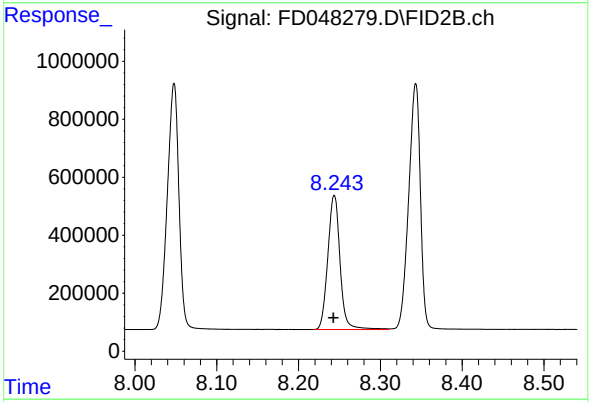
R.T.: 7.393 min
Delta R.T.: 0.002 min
Response: 7372684
Conc: 49.33 ug/ml



#5 Acenaphthylene (C15.06)

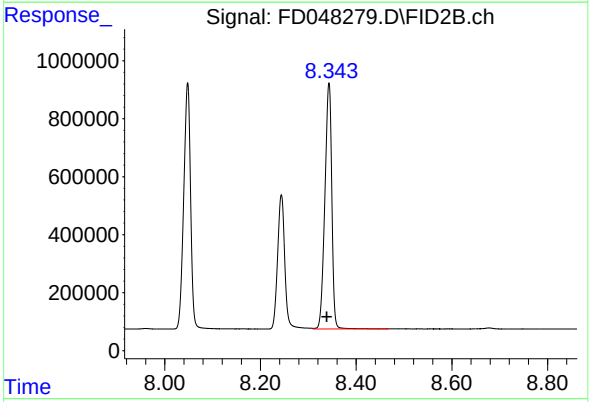
R.T.: 8.047 min
Delta R.T.: 0.003 min
Response: 8415009
Conc: 48.99 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



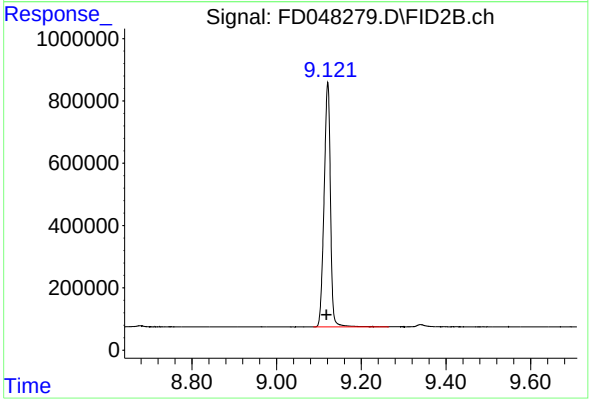
#6 2-Flurobiphenyl (SURR)

R.T.: 8.244 min
Delta R.T.: 0.000 min
Response: 4804768
Conc: 49.11 ug/ml



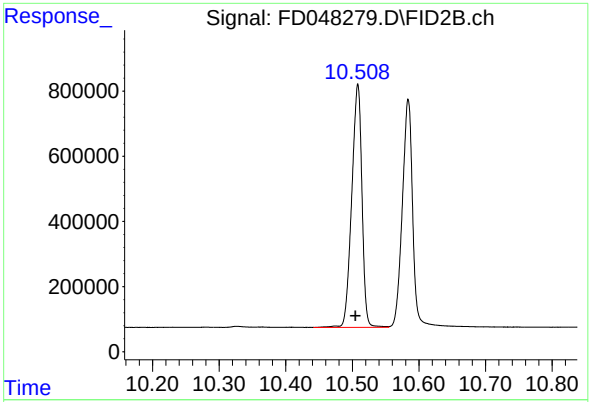
#7 Acenaphthene (C15.5)

R.T.: 8.343 min
Delta R.T.: 0.004 min
Response: 8458488
Conc: 48.63 ug/ml



#8 Flouorene (C16.55)

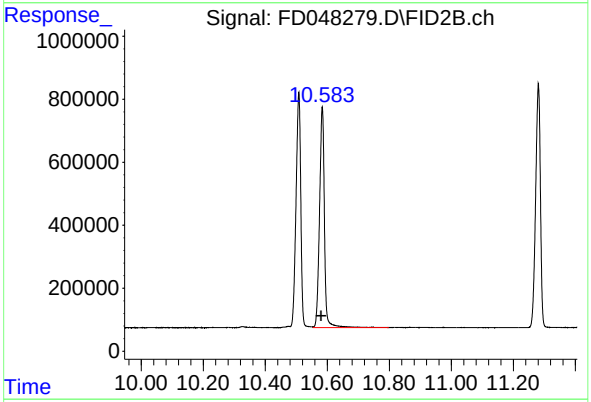
R.T.: 9.121 min
Delta R.T.: 0.003 min
Response: 8160794
Conc: 49.00 ug/ml



#9 Phenanthrene (C19.36)

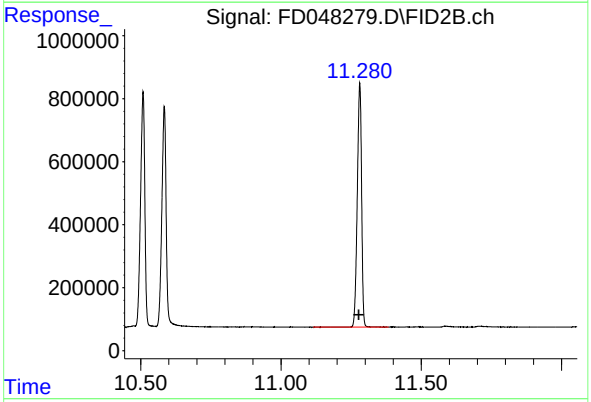
R.T.: 10.508 min
Delta R.T.: 0.003 min
Response: 7963793
Conc: 49.49 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



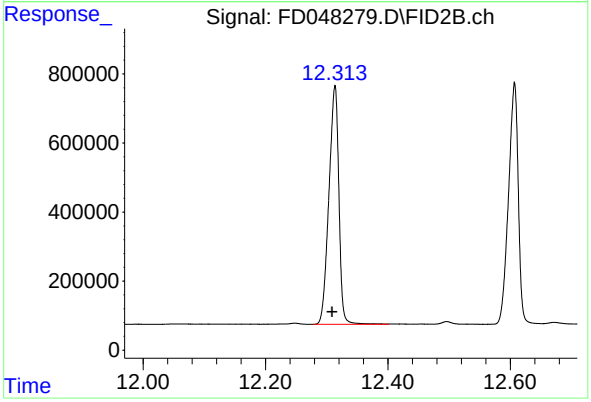
#10 Anthracene (C19.43)

R.T.: 10.584 min
Delta R.T.: 0.003 min
Response: 7671918
Conc: 49.48 ug/ml



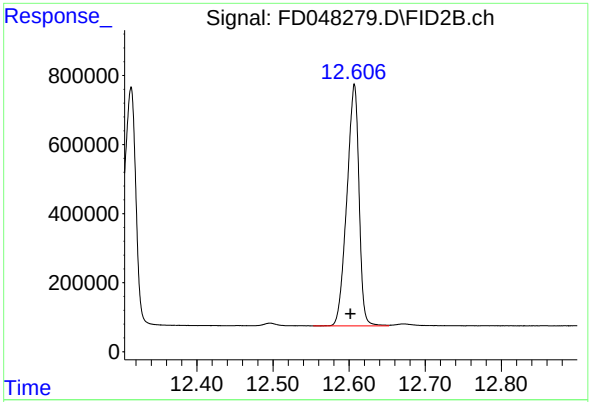
#11 ortho-Terphenyl (SURR)

R.T.: 11.281 min
Delta R.T.: 0.003 min
Response: 8254651
Conc: 49.12 ug/ml



#12 Fluoranthene (C21.85)

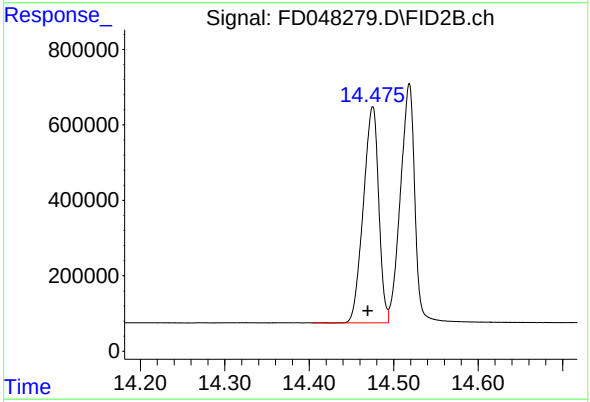
R.T.: 12.313 min
Delta R.T.: 0.005 min
Response: 7821636
Conc: 49.25 ug/ml



#13 Pyrene (C20.8)

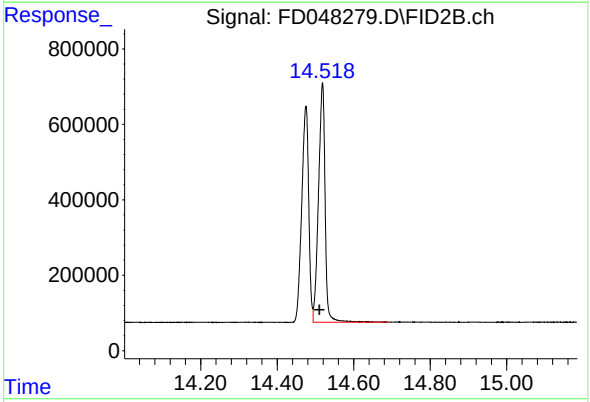
R.T.: 12.607 min
Delta R.T.: 0.005 min
Response: 7769995
Conc: 49.36 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



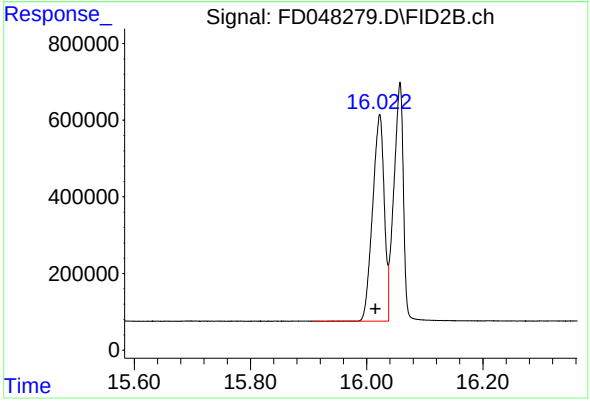
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.475 min
Delta R.T.: 0.005 min
Response: 7256084
Conc: 50.13 ug/ml



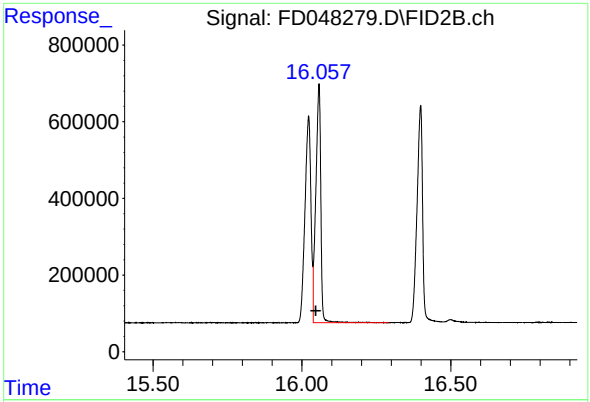
#15 Chrysene (C27.41)

R.T.: 14.518 min
Delta R.T.: 0.007 min
Response: 7584615
Conc: 48.77 ug/ml



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

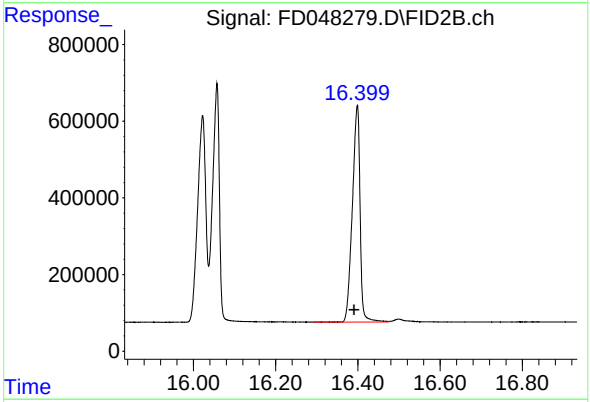
R.T.: 16.022 min
Delta R.T.: 0.007 min
Response: 7497351
Conc: 49.68 ug/ml



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

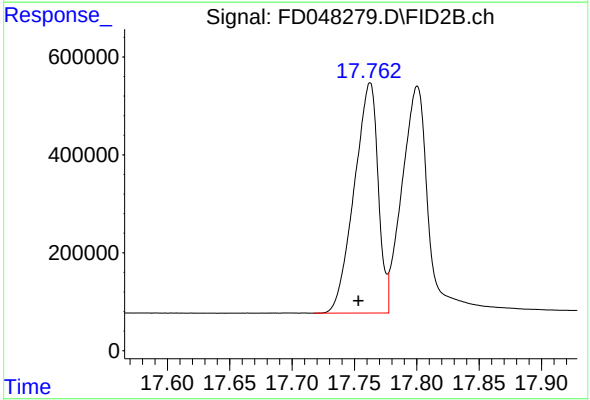
R.T.: 16.057 min
Delta R.T.: 0.011 min
Response: 7194031
Conc: 49.42 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



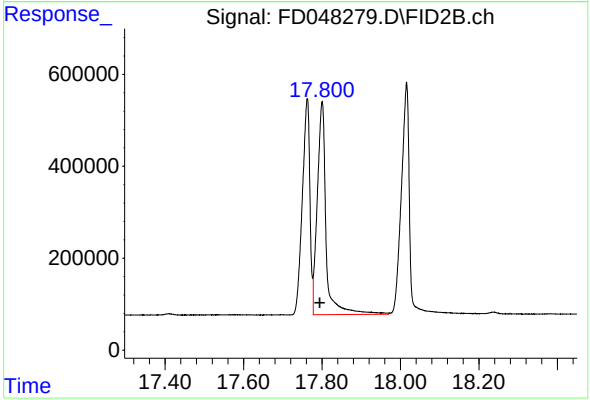
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.398 min
Delta R.T.: 0.007 min
Response: 7382253
Conc: 49.76 ug/ml



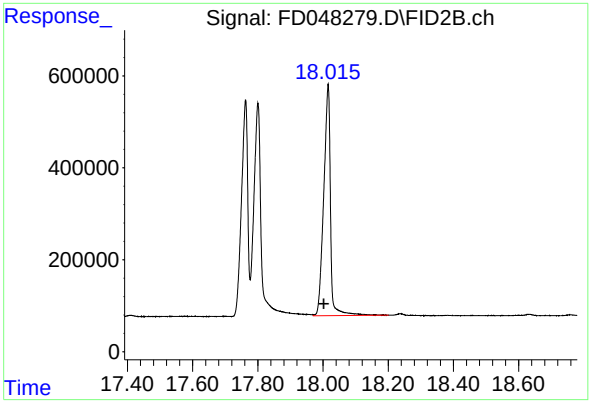
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.762 min
Delta R.T.: 0.008 min
Response: 6277119
Conc: 50.91 ug/ml



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

R.T.: 17.800 min
Delta R.T.: 0.005 min
Response: 7229026
Conc: 49.51 ug/ml



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

R.T.: 18.015 min
Delta R.T.: 0.012 min
Response: 7238125
Conc: 49.64 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048279.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 09:03
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 090624.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	4.213	4.138	4.274	BV	964910	8353992	96.71%	5.223%
2	5.733	5.608	5.958	BV	915454	8638113	100.00%	5.400%
3	6.781	6.745	6.908	VV	903677	8611762	99.69%	5.384%
4	7.393	7.311	7.588	BB	765822	7372684	85.35%	4.609%
5	8.048	7.988	8.218	PV	854509	8415009	97.42%	5.261%
6	8.244	8.218	8.310	PV	464957	4804768	55.62%	3.004%
7	8.343	8.310	8.468	VV	864767	8458488	97.92%	5.288%
8	9.121	9.086	9.265	PV	789417	8160794	94.47%	5.102%
9	10.508	10.441	10.555	PV	747325	7963793	92.19%	4.979%
10	10.584	10.555	10.798	VV	705231	7671918	88.81%	4.796%
11	11.281	11.115	11.384	BV	775683	8254651	95.56%	5.161%
12	12.313	12.278	12.401	VV	701039	7821636	90.55%	4.890%
13	12.607	12.553	12.652	PV	708527	7769995	89.95%	4.858%
14	14.475	14.405	14.494	BV	573884	7256084	84.00%	4.536%
15	14.518	14.494	14.691	VV	634977	7584615	87.80%	4.742%
16	16.022	15.908	16.038	BV	535147	7497351	86.79%	4.687%
17	16.057	16.038	16.291	VV	631727	7194031	83.28%	4.498%
18	16.398	16.291	16.475	VV	565312	7382253	85.46%	4.615%
19	17.762	17.717	17.777	PV	468298	6277119	72.67%	3.924%
20	17.800	17.777	17.970	VV	467681	7229026	83.69%	4.519%
21	18.015	17.970	18.201	VBA	499073	7238125	83.79%	4.525%

Sum of corrected areas: 159956206

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048280.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 09:40
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: Sep 06 10:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:19:09 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...	7.392	3062895	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.243	1982169	20.000 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%
11) S	ortho-Terphenyl (SURR)	11.277	3460390	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.212	3535968	20.000 ug/ml
2) T	Naphthalene (C11.7)	5.732	3649495	20.000 ug/ml
3) T	2-Methylnaphthalene (...	6.779	3597819	20.000 ug/ml
5) T	Acenaphthylene (C15.06)	8.045	3531706	20.000 ug/ml
7) T	Acenaphthene (C15.5)	8.339	3599307	20.000 ug/ml
8) T	Flouorene (C16.55)	9.118	3412654	20.000 ug/ml
9) T	Phenanthrene (C19.36)	10.505	3260168	20.000 ug/ml
10) T	Anthracene (C19.43)	10.580	3152323	20.000 ug/ml
12) T	Fluoranthene (C21.85)	12.309	3242113	20.000 ug/ml
13) T	Pyrene (C20.8)	12.602	3215815	20.000 ug/ml
14) T	Benzo[a]anthracene (C...	14.469	2887808	20.000 ug/ml
15) T	Chrysene (C27.41)	14.511	3249107	20.000 ug/ml
16) T	benzo[b]fluoranthene ...	16.015	3047243	20.000 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.046	3013278	20.000 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.391	3017712	20.000 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.753	2261957	20.000 ug/ml
20) T	Dibenz[a,h]anthracene...	17.795	3172852	20.000 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.003	2979023	20.000 ug/ml

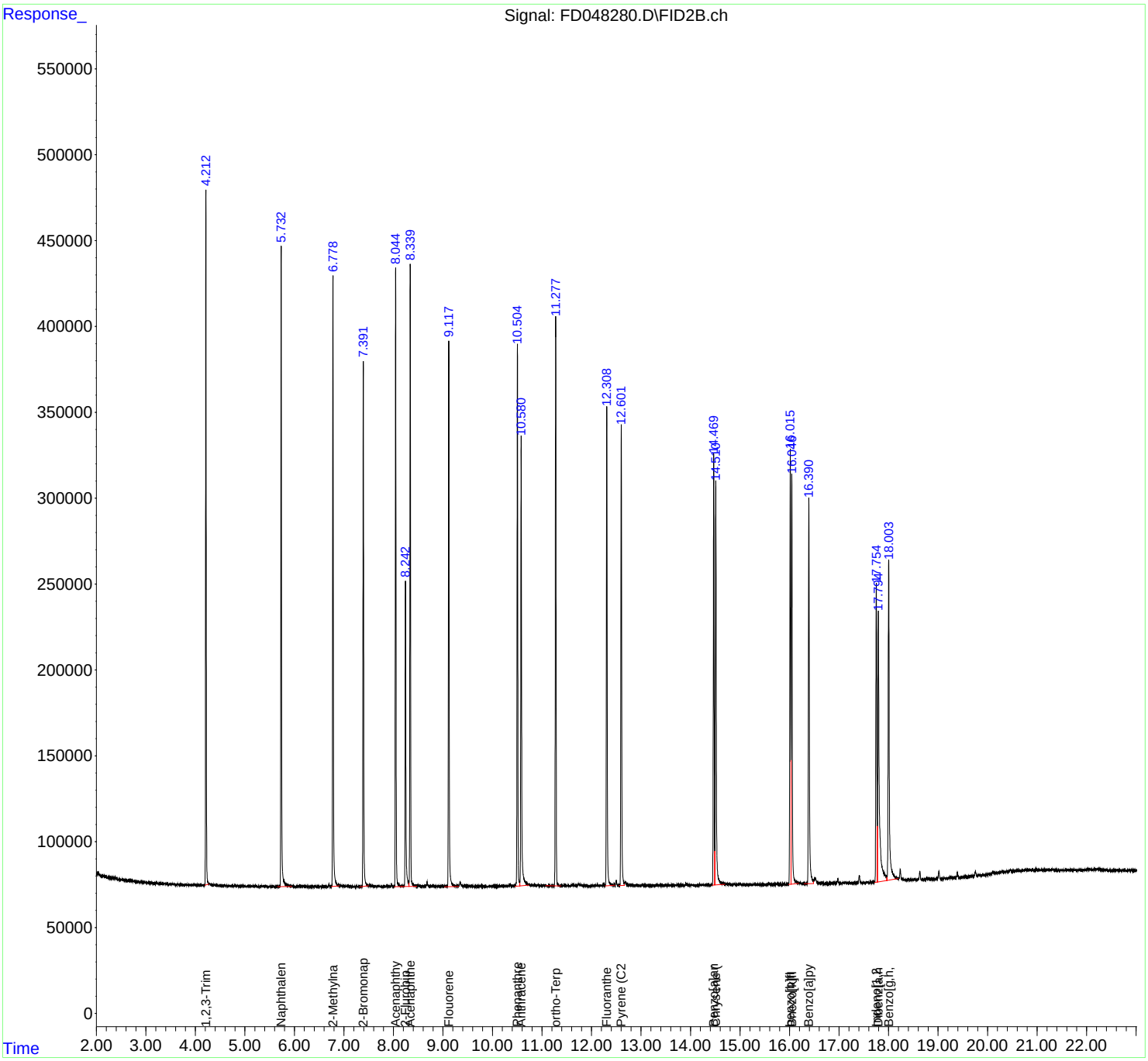
(f)=RT Delta > 1/2 Window (m)=manual int.

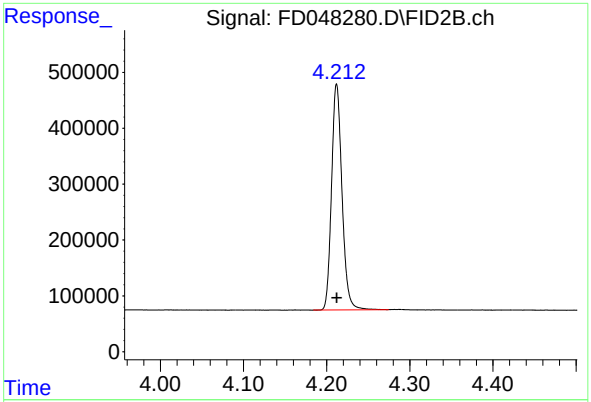
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048280.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 09:40
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 06 10:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:19:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

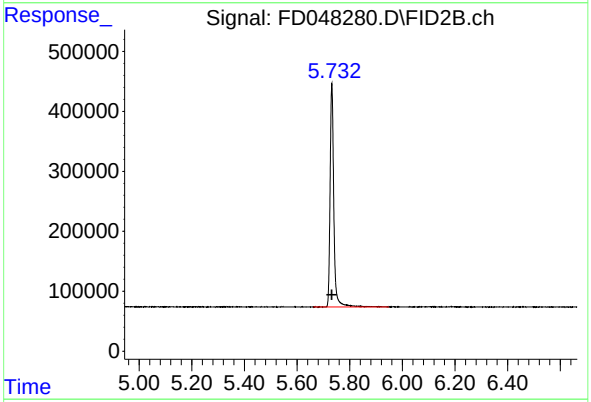




#1 1,2,3-Trimethylbenzene (C10.1)

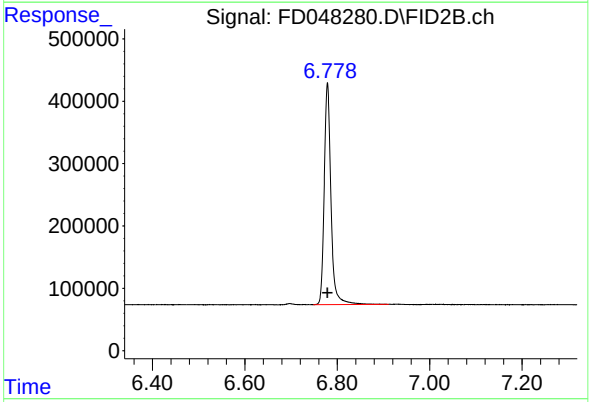
R.T.: 4.212 min
Delta R.T.: 0.000 min
Response: 3535968
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



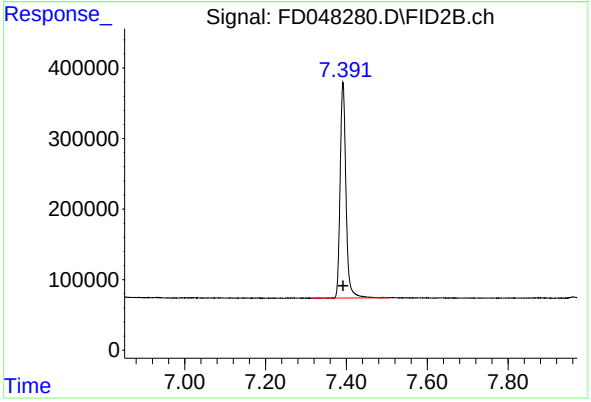
#2 Naphthalene (C11.7)

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 3649495
Conc: 20.00 ug/ml



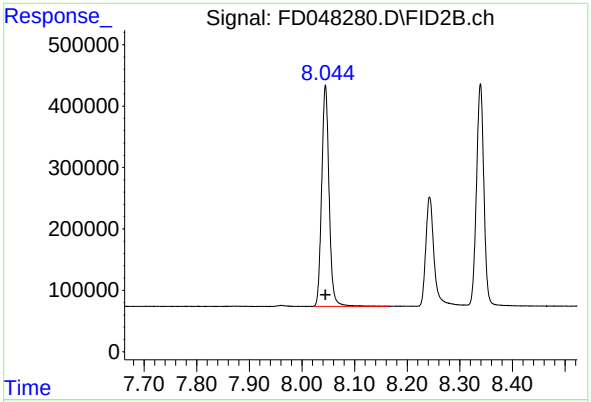
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.779 min
Delta R.T.: 0.000 min
Response: 3597819
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

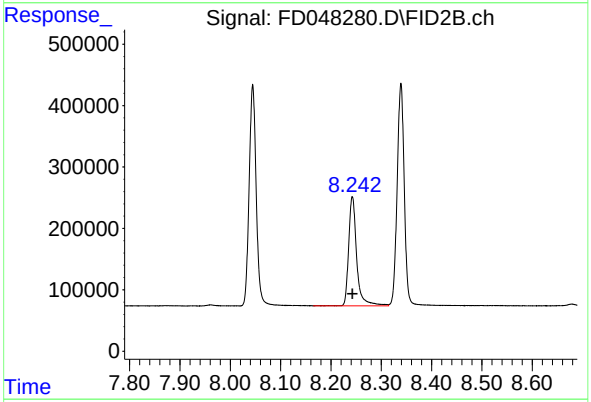
R.T.: 7.392 min
Delta R.T.: 0.000 min
Response: 3062895
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

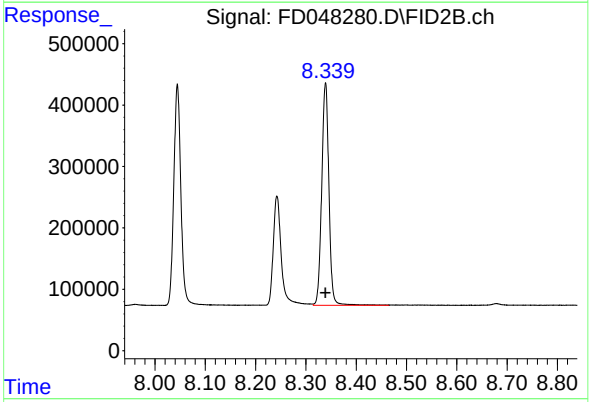
R.T.: 8.045 min
Delta R.T.: 0.000 min
Response: 3531706
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



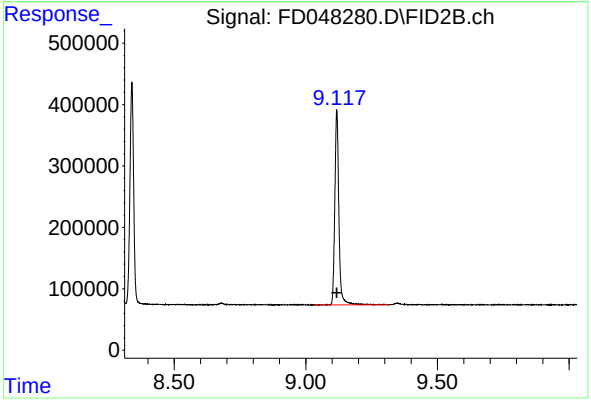
#6 2-Flurobiphenyl (SURR)

R.T.: 8.243 min
Delta R.T.: 0.000 min
Response: 1982169
Conc: 20.00 ug/ml



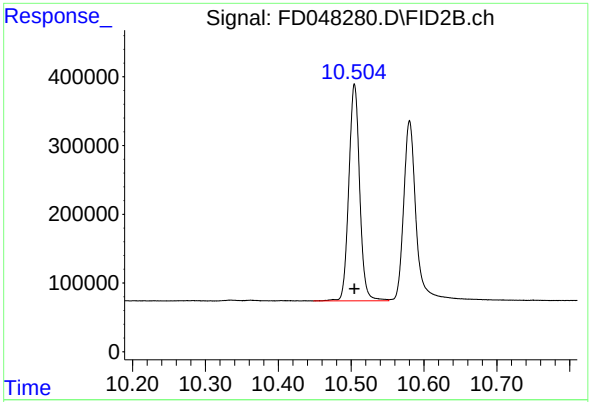
#7 Acenaphthene (C15.5)

R.T.: 8.339 min
Delta R.T.: 0.000 min
Response: 3599307
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

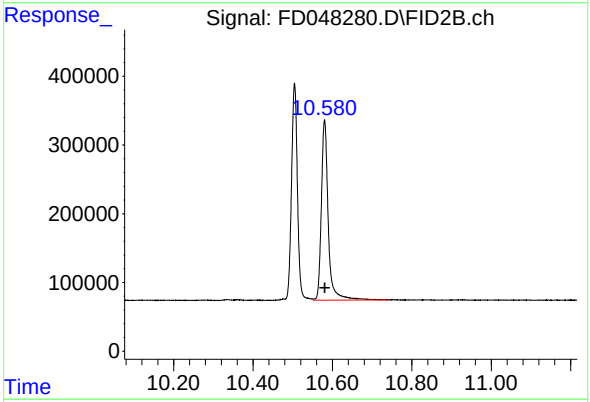
R.T.: 9.118 min
Delta R.T.: 0.000 min
Response: 3412654
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

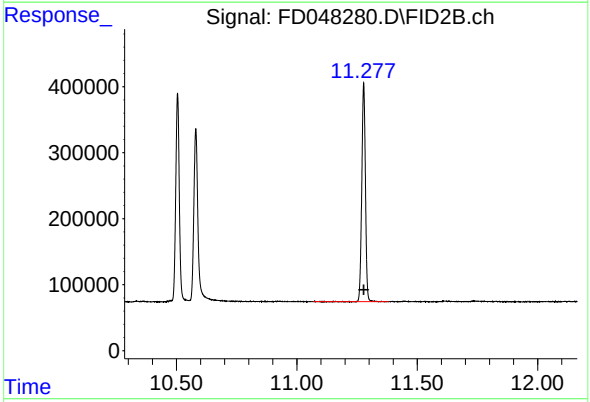
R.T.: 10.505 min
Delta R.T.: 0.000 min
Response: 3260168
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



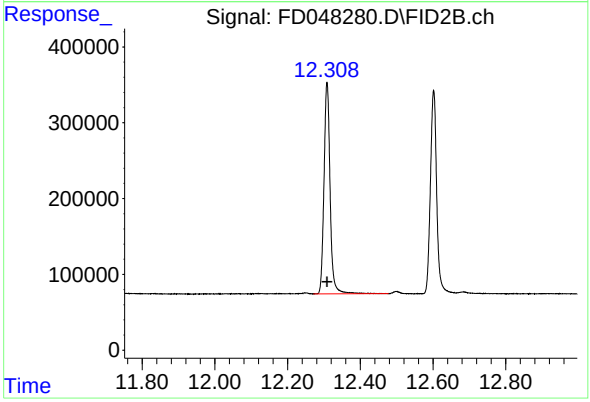
#10 Anthracene (C19.43)

R.T.: 10.580 min
Delta R.T.: 0.000 min
Response: 3152323
Conc: 20.00 ug/ml



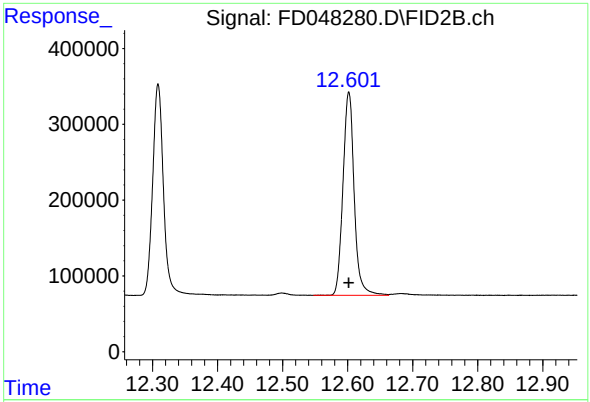
#11 ortho-Terphenyl (SURR)

R.T.: 11.277 min
Delta R.T.: 0.000 min
Response: 3460390
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

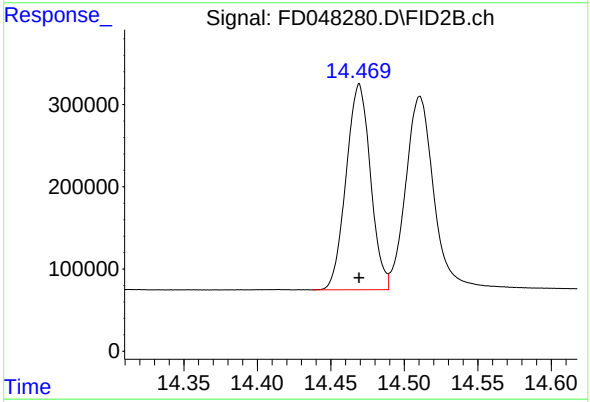
R.T.: 12.309 min
Delta R.T.: 0.000 min
Response: 3242113
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

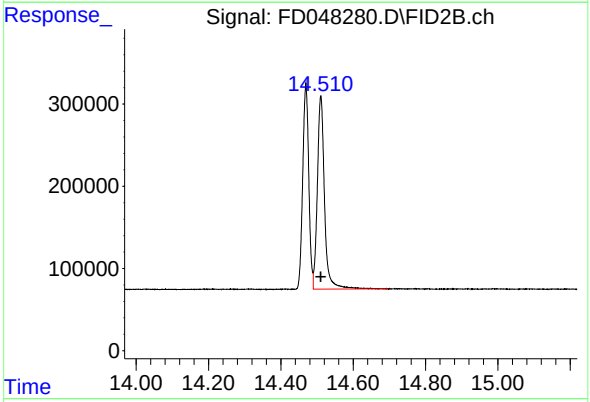
R.T.: 12.602 min
Delta R.T.: 0.000 min
Response: 3215815
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



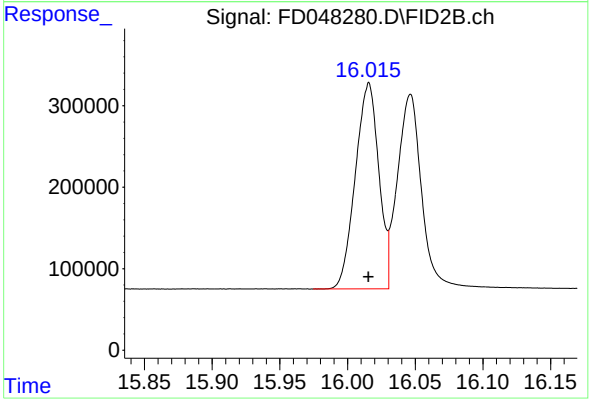
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.469 min
Delta R.T.: 0.000 min
Response: 2887808
Conc: 20.00 ug/ml



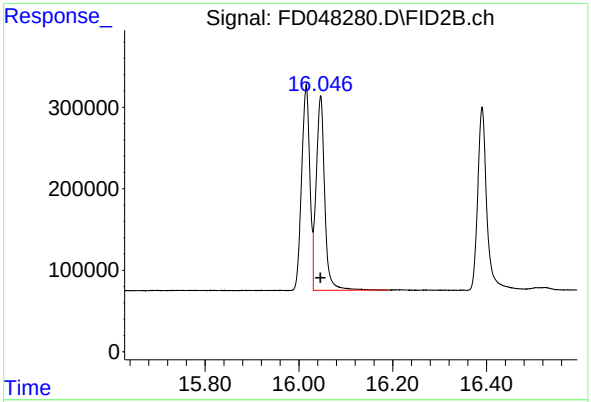
#15 Chrysene (C27.41)

R.T.: 14.511 min
Delta R.T.: 0.000 min
Response: 3249107
Conc: 20.00 ug/ml



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

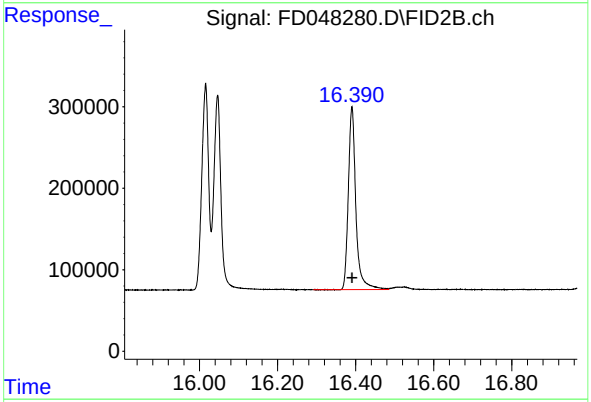
R.T.: 16.015 min
Delta R.T.: 0.000 min
Response: 3047243
Conc: 20.00 ug/ml



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

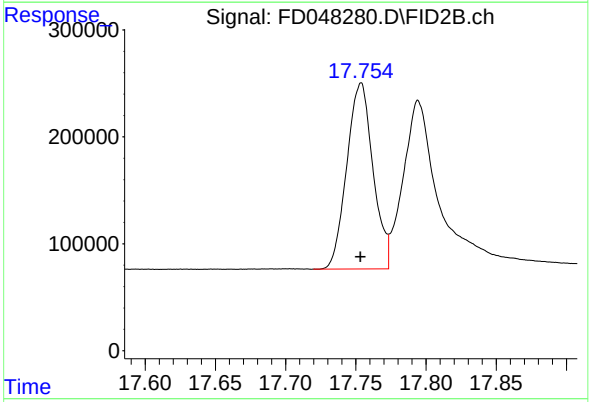
R.T.: 16.046 min
Delta R.T.: 0.000 min
Response: 3013278
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



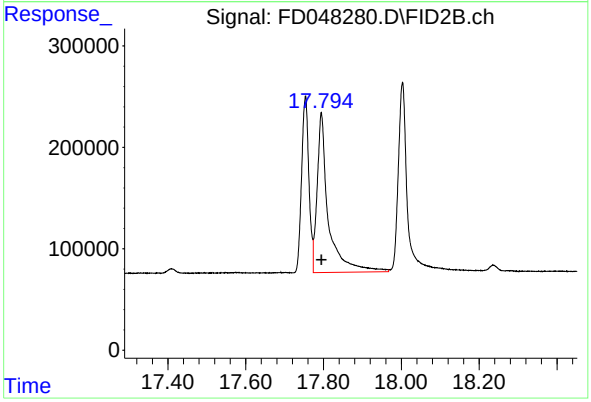
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.391 min
Delta R.T.: 0.000 min
Response: 3017712
Conc: 20.00 ug/ml



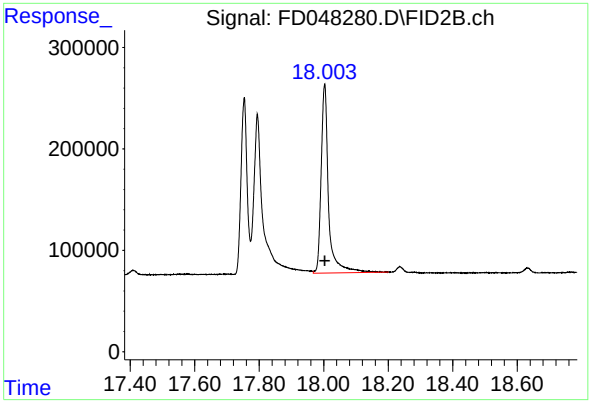
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.753 min
Delta R.T.: 0.000 min
Response: 2261957
Conc: 20.00 ug/ml



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

R.T.: 17.795 min
Delta R.T.: 0.000 min
Response: 3172852
Conc: 20.00 ug/ml



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

R.T.: 18.003 min
Delta R.T.: 0.000 min
Response: 2979023
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048280.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 09:40
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 090624.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	4.212	4.184	4.275	PV	404142	3535968	96.89%	5.331%
2	5.732	5.661	5.948	BV	371056	3649495	100.00%	5.502%
3	6.779	6.748	6.911	PV	352763	3597819	98.58%	5.424%
4	7.392	7.318	7.505	PV	304573	3062895	83.93%	4.618%
5	8.045	8.021	8.165	BV	359714	3531706	96.77%	5.324%
6	8.243	8.165	8.315	VV	178404	1982169	54.31%	2.988%
7	8.339	8.315	8.465	VV	359417	3599307	98.62%	5.426%
8	9.118	9.028	9.315	BV	317555	3412654	93.51%	5.145%
9	10.505	10.448	10.552	PV	315649	3260168	89.33%	4.915%
10	10.580	10.552	10.742	VV	261228	3152323	86.38%	4.752%
11	11.277	11.068	11.381	BV	330535	3460390	94.82%	5.217%
12	12.309	12.270	12.478	PB	278986	3242113	88.84%	4.888%
13	12.602	12.547	12.663	PV	268443	3215815	88.12%	4.848%
14	14.469	14.438	14.489	BV	247256	2887808	79.13%	4.354%
15	14.511	14.489	14.698	VV	235445	3249107	89.03%	4.898%
16	16.015	15.975	16.030	BV	250388	3047243	83.50%	4.594%
17	16.046	16.030	16.191	VV	237265	3013278	82.57%	4.543%
18	16.391	16.291	16.485	BV	224480	3017712	82.69%	4.549%
19	17.753	17.720	17.773	PV	175533	2261957	61.98%	3.410%
20	17.795	17.773	17.967	VV	157242	3172852	86.94%	4.783%
21	18.003	17.967	18.201	VBA	185971	2979023	81.63%	4.491%
					Sum of corrected areas:	66331802		

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048281.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 10:17
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: Sep 06 10:52:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:22:41 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...	7.393	1603671	10.778 ug/ml
Spiked Amount	50.000		Recovery =	21.56%
6) S	2-Flurobiphenyl (SURR)	8.245	979358	10.071 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	20.14%
11) S	ortho-Terphenyl (SURR)	11.278	1811696	10.844 ug/ml
Spiked Amount	50.000		Recovery =	21.69%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.213	1886628	11.094 ug/ml
2) T	Naphthalene (C11.7)	5.733	1912829	10.886 ug/ml
3) T	2-Methylnaphthalene (...	6.780	1882151	10.779 ug/ml
5) T	Acenaphthylene (C15.06)	8.045	1847759	10.829 ug/ml
7) T	Acenaphthene (C15.5)	8.338	1864207	10.817 ug/ml
8) T	Flouorene (C16.55)	9.119	1748955	10.572 ug/ml
9) T	Phenanthrene (C19.36)	10.505	1677184	10.458 ug/ml
10) T	Anthracene (C19.43)	10.581	1644733	10.644 ug/ml
12) T	Fluoranthene (C21.85)	12.310	1707048	10.803 ug/ml
13) T	Pyrene (C20.8)	12.602	1657710	10.576 ug/ml
14) T	Benzo[a]anthracene (C...	14.470	1437349	9.921 ug/ml
15) T	Chrysene (C27.41)	14.510	1824919	11.832 ug/ml
16) T	benzo[b]fluoranthene ...	16.014	1557950	10.345 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.045	1693300	11.677 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.394	1590670	10.739 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.757	1066398	8.597 ug/ml
20) T	Dibenz[a,h]anthracene...	17.801	1716596	11.795 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.004	1569993	10.794 ug/ml

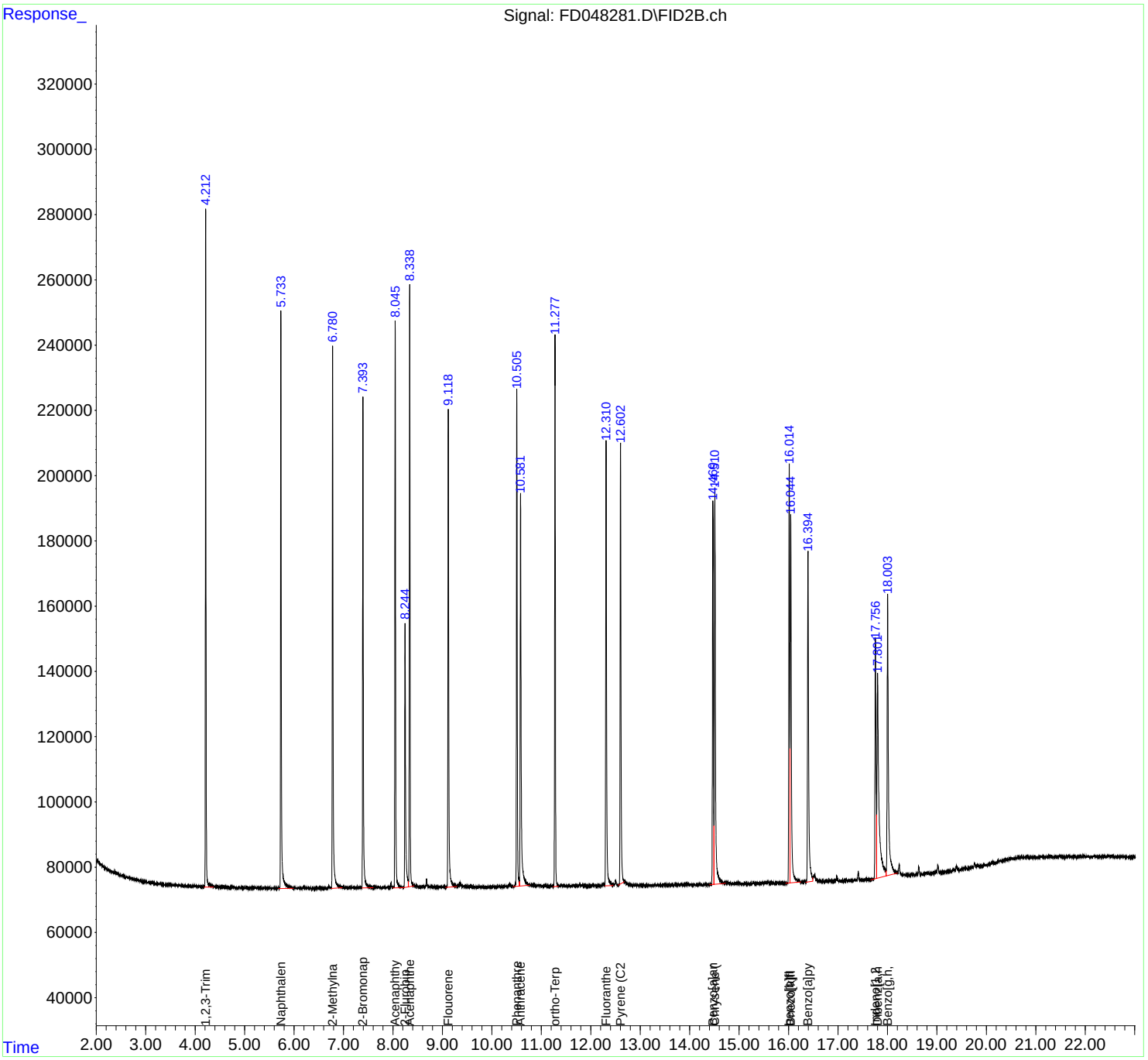
(f)=RT Delta > 1/2 Window (m)=manual int.

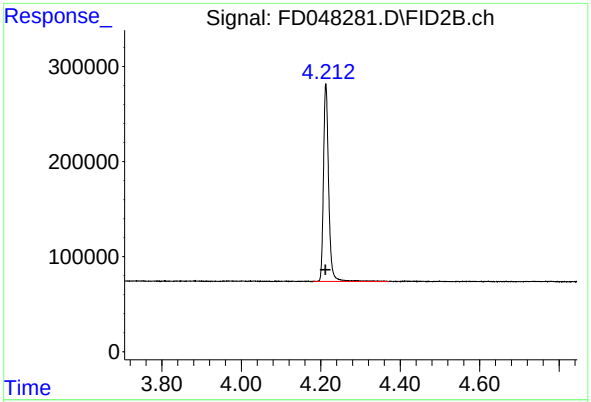
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048281.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 10:17
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 06 10:52:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:22:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

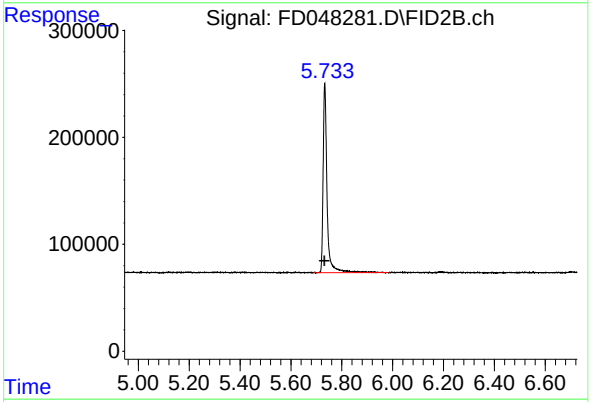




#1 1,2,3-Trimethylbenzene (C10.1)

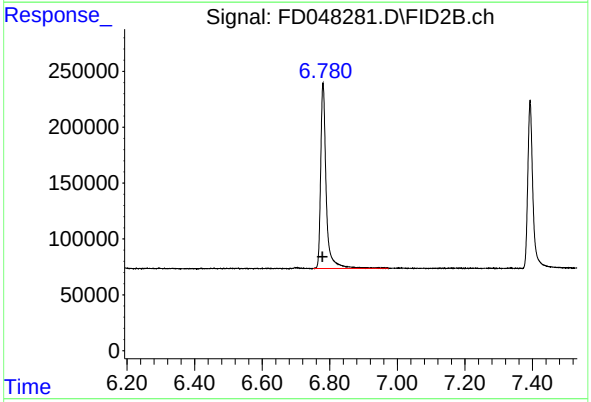
R.T.: 4.213 min
Delta R.T.: 0.001 min
Response: 1886628
Conc: 11.09 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



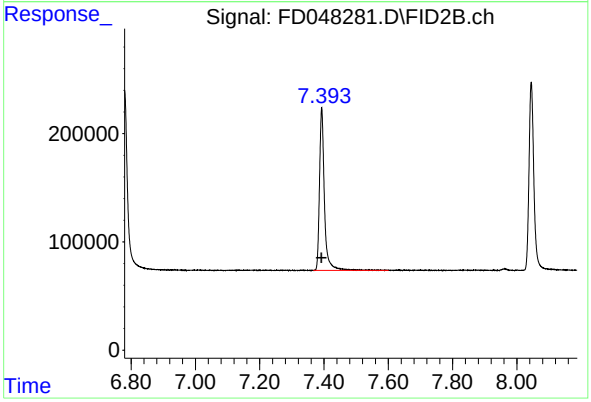
#2 Naphthalene (C11.7)

R.T.: 5.733 min
Delta R.T.: 0.001 min
Response: 1912829
Conc: 10.89 ug/ml



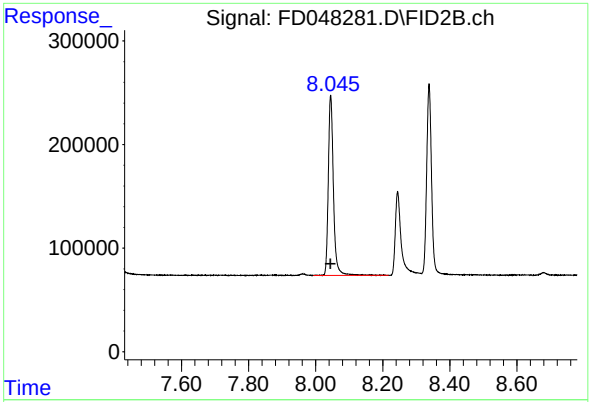
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.780 min
Delta R.T.: 0.002 min
Response: 1882151
Conc: 10.78 ug/ml



#4 2-Bromonaphthalene (SURR)

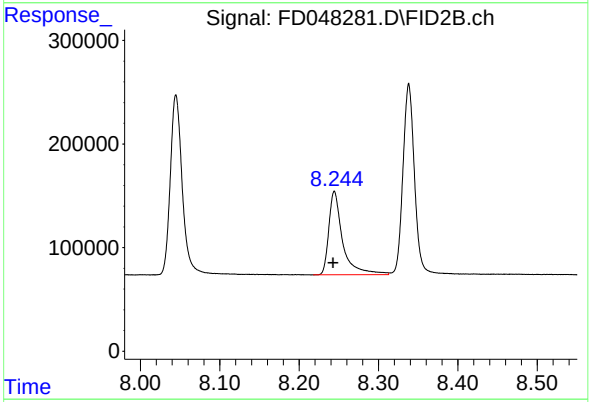
R.T.: 7.393 min
Delta R.T.: 0.001 min
Response: 1603671
Conc: 10.78 ug/ml



#5 Acenaphthylene (C15.06)

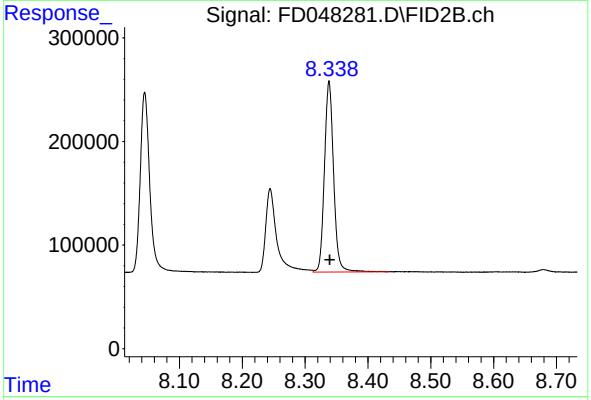
R.T.: 8.045 min
Delta R.T.: 0.000 min
Response: 1847759
Conc: 10.83 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



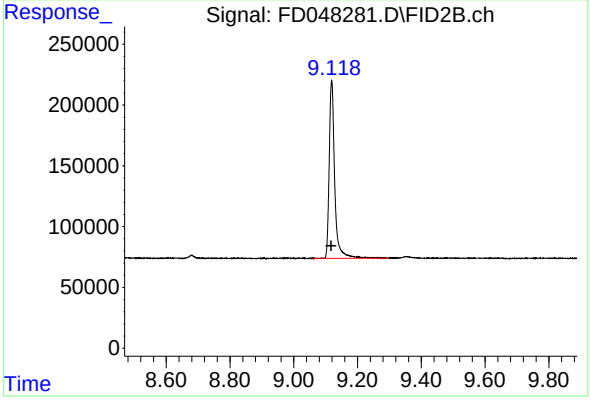
#6 2-Flurobiphenyl (SURR)

R.T.: 8.245 min
Delta R.T.: 0.002 min
Response: 979358
Conc: 10.07 ug/ml



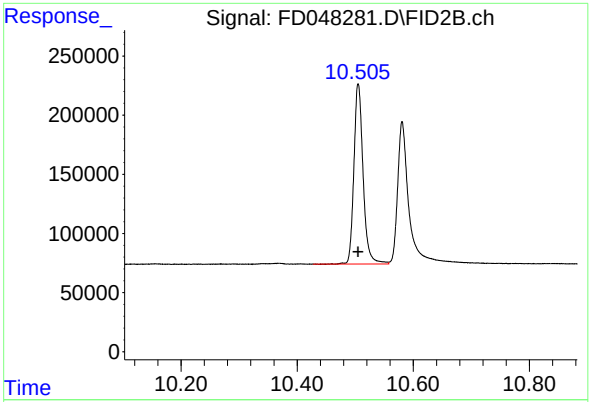
#7 Acenaphthene (C15.5)

R.T.: 8.338 min
Delta R.T.: 0.000 min
Response: 1864207
Conc: 10.82 ug/ml



#8 Flouorene (C16.55)

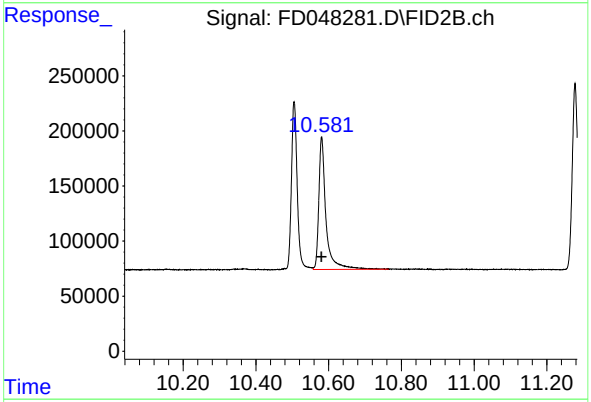
R.T.: 9.119 min
Delta R.T.: 0.001 min
Response: 1748955
Conc: 10.57 ug/ml



#9 Phenanthrene (C19.36)

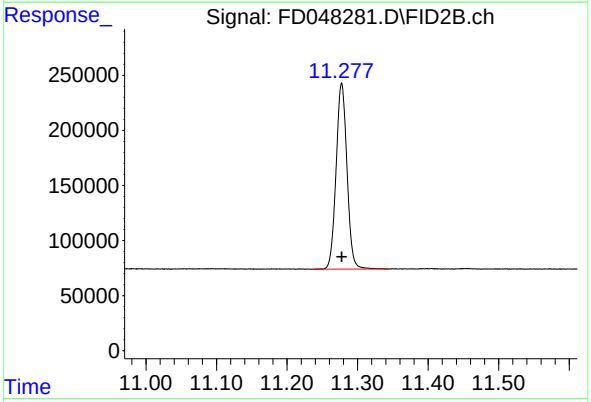
R.T.: 10.505 min
Delta R.T.: 0.000 min
Response: 1677184
Conc: 10.46 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



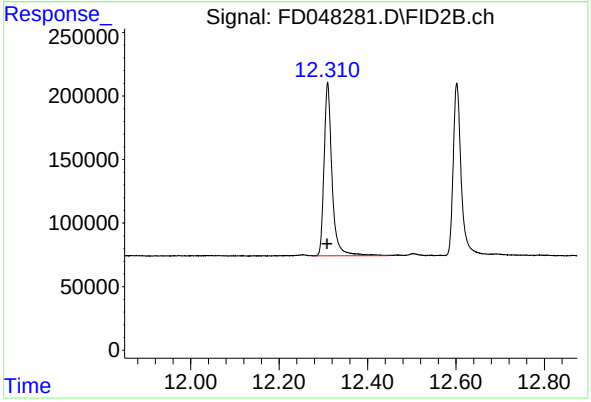
#10 Anthracene (C19.43)

R.T.: 10.581 min
Delta R.T.: 0.000 min
Response: 1644733
Conc: 10.64 ug/ml



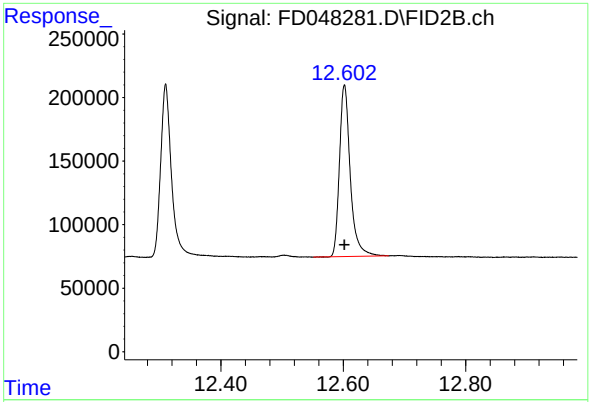
#11 ortho-Terphenyl (SURR)

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 1811696
Conc: 10.84 ug/ml



#12 Fluoranthene (C21.85)

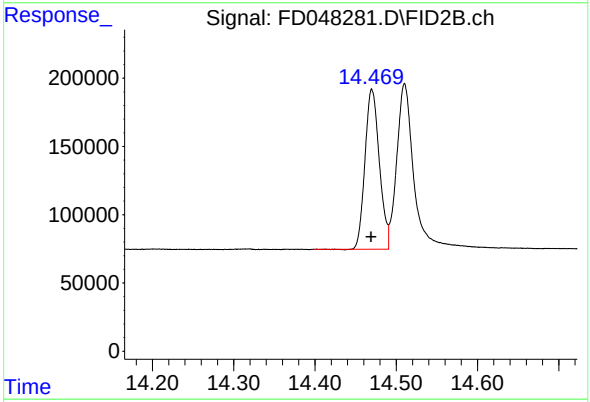
R.T.: 12.310 min
Delta R.T.: 0.001 min
Response: 1707048
Conc: 10.80 ug/ml



#13 Pyrene (C20.8)

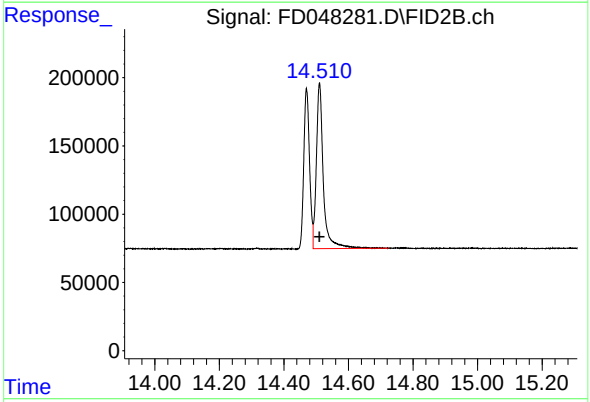
R.T.: 12.602 min
Delta R.T.: 0.000 min
Response: 1657710
Conc: 10.58 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



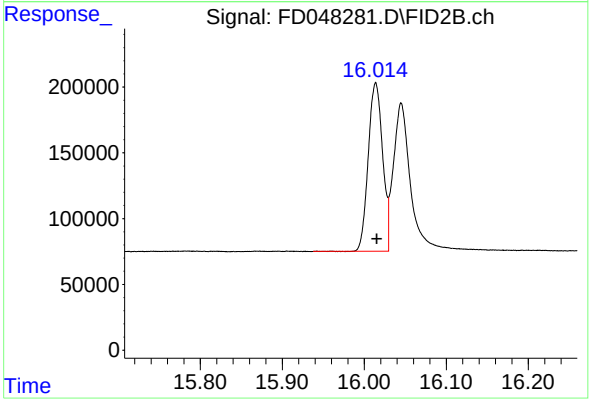
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.470 min
Delta R.T.: 0.001 min
Response: 1437349
Conc: 9.92 ug/ml



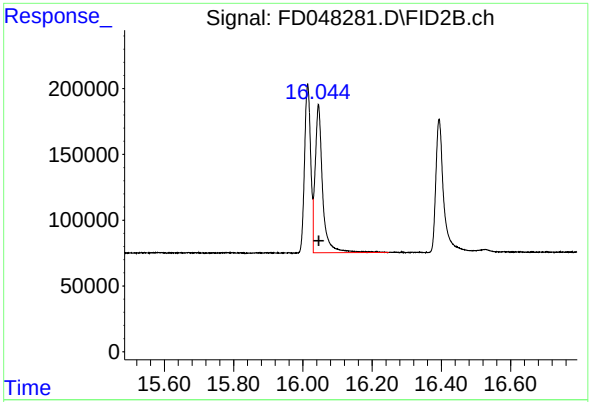
#15 Chrysene (C27.41)

R.T.: 14.510 min
Delta R.T.: 0.000 min
Response: 1824919
Conc: 11.83 ug/ml



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

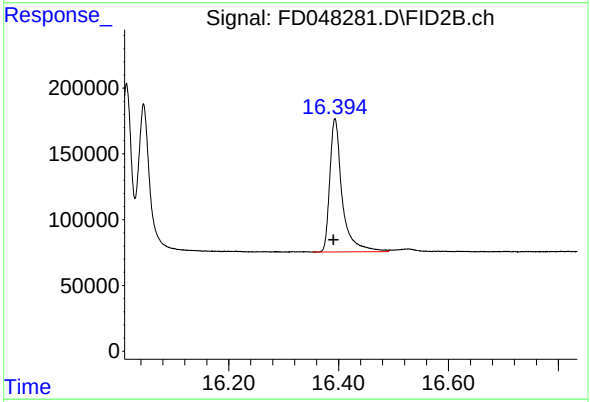
R.T.: 16.014 min
Delta R.T.: -0.001 min
Response: 1557950
Conc: 10.35 ug/ml



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

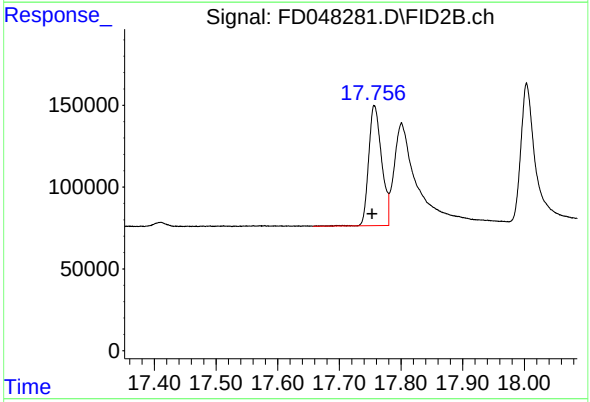
R.T.: 16.045 min
Delta R.T.: -0.001 min
Response: 1693300
Conc: 11.68 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



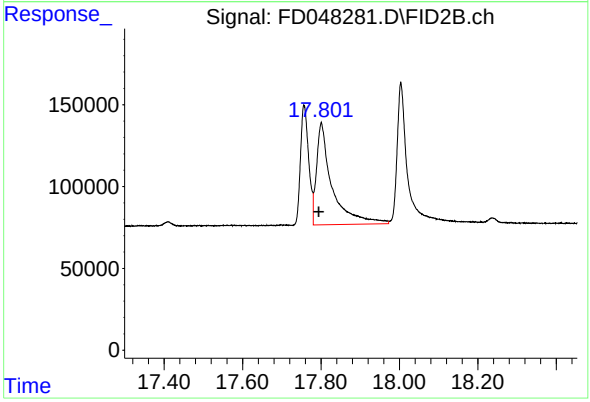
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.394 min
Delta R.T.: 0.003 min
Response: 1590670
Conc: 10.74 ug/ml



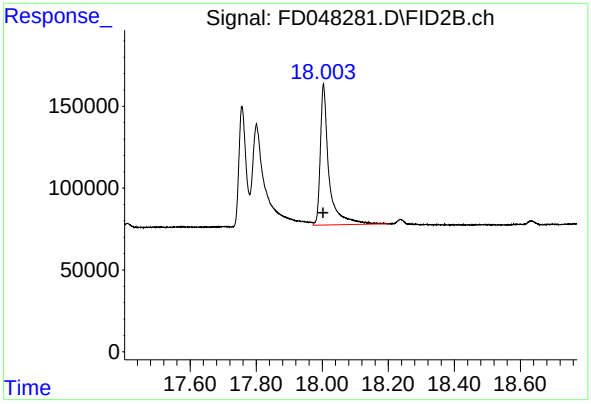
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.757 min
Delta R.T.: 0.004 min
Response: 1066398
Conc: 8.60 ug/ml



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

R.T.: 17.801 min
Delta R.T.: 0.007 min
Response: 1716596
Conc: 11.80 ug/ml



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

R.T.:	18.004 min
Delta R.T.:	0.001 min
Response:	1569993
Conc:	10.79 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048281.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 10:17
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 090624.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	4.213	4.181	4.371	BB	204560	1886628	98.63%	5.440%
2	5.733	5.688	5.984	BB	174303	1912829	100.00%	5.515%
3	6.780	6.751	6.974	BV	164991	1882151	98.40%	5.427%
4	7.393	7.366	7.601	PB	148647	1603671	83.84%	4.624%
5	8.045	7.993	8.218	PV	173768	1847759	96.60%	5.328%
6	8.245	8.218	8.313	PV	80432	979358	51.20%	2.824%
7	8.338	8.313	8.433	VB	183150	1864207	97.46%	5.375%
8	9.119	9.061	9.298	BV	146005	1748955	91.43%	5.043%
9	10.505	10.428	10.558	BV	153161	1677184	87.68%	4.836%
10	10.581	10.558	10.765	VV	120119	1644733	85.98%	4.742%
11	11.278	11.237	11.344	PV	168644	1811696	94.71%	5.224%
12	12.310	12.277	12.448	PV	135283	1707048	89.24%	4.922%
13	12.602	12.551	12.674	PV	135096	1657710	86.66%	4.780%
14	14.470	14.398	14.491	BV	116601	1437349	75.14%	4.144%
15	14.510	14.491	14.724	VV	121044	1824919	95.40%	5.262%
16	16.014	15.938	16.030	BV	127999	1557950	81.45%	4.492%
17	16.045	16.030	16.248	VB	112589	1693300	88.52%	4.882%
18	16.394	16.354	16.491	PV	101111	1590670	83.16%	4.587%
19	17.757	17.658	17.780	PV	73107	1066398	55.75%	3.075%
20	17.801	17.780	17.972	VV	62274	1716596	89.74%	4.950%
21	18.004	17.972	18.201	VBA	85473	1569993	82.08%	4.527%
					Sum of corrected areas:	34681103		

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048282.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 10:54
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
Quant Time: Sep 06 11:27:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:53:21 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...	7.396	757871	4.996 ug/ml
Spiked Amount	50.000		Recovery =	9.99%
6) S	2-Flurobiphenyl (SURR)	8.252	440302	4.520 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	9.04%
11) S	ortho-Terphenyl (SURR)	11.278	877363	5.143 ug/ml
Spiked Amount	50.000		Recovery =	10.29%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.215	915922	5.242 ug/ml
2) T	Naphthalene (C11.7)	5.737	928794	5.171 ug/ml
3) T	2-Methylnaphthalene (...	6.783	912423	5.126 ug/ml
5) T	Acenaphthylene (C15.06)	8.048	884617	5.079 ug/ml
7) T	Acenaphthene (C15.5)	8.340	929168	5.284 ug/ml
8) T	Flouorene (C16.55)	9.123	830263	4.948 ug/ml
9) T	Phenanthrene (C19.36)	10.510	792099	4.883 ug/ml
10) T	Anthracene (C19.43)	10.588	838119	5.338 ug/ml
12) T	Fluoranthene (C21.85)	12.315	829047	5.143 ug/ml
13) T	Pyrene (C20.8)	12.606	828436	5.210 ug/ml
14) T	Benzo[a]anthracene (C...	14.477	610152	4.220 ug/ml
15) T	Chrysene (C27.41)	14.515	891898	5.529 ug/ml
16) T	benzo[b]fluoranthene ...	16.021	676478	4.454 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.053	828557	5.484 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.404	681662	4.519 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.771	430892	3.600 ug/ml
20) T	Dibenz[a,h]anthracene...	17.817	773973	5.090 ug/mlm
21) T	Benzo[g,h,i]perylene ...	18.013	718269	4.842 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048282.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 10:54
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

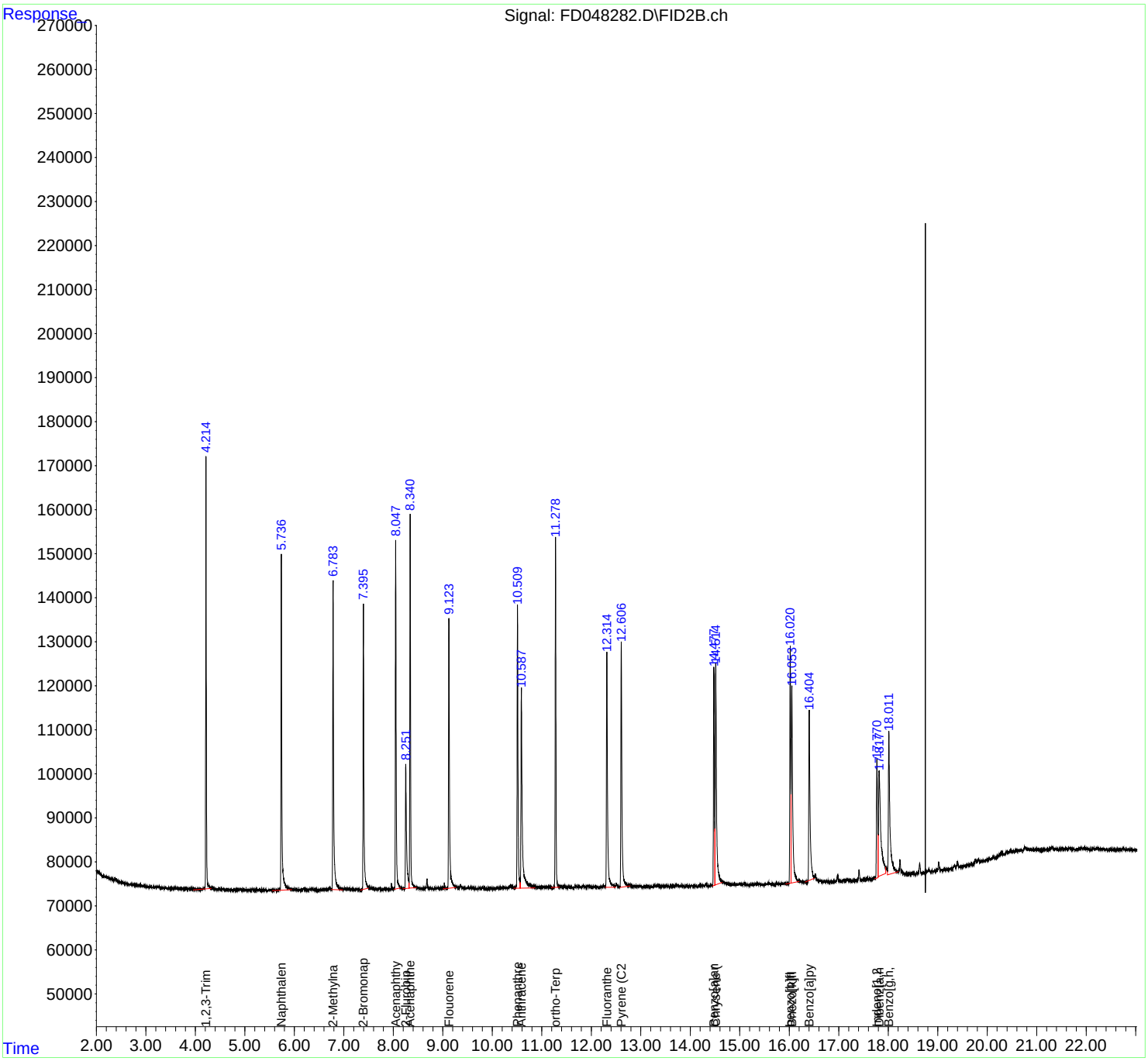
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

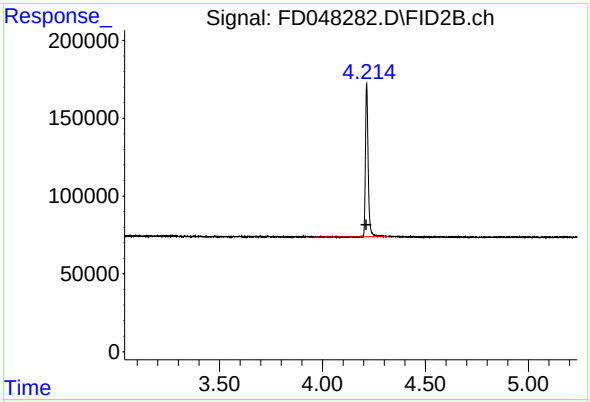
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
Quant Time: Sep 06 11:27:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 10:53:21 2024
Response via : Initial Calibration
Integrator: ChemStation

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





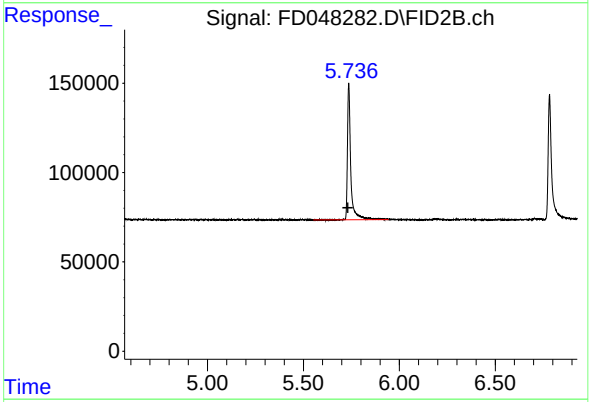
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.215 min
Delta R.T.: 0.003 min
Response: 915922
Conc: 5.24 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

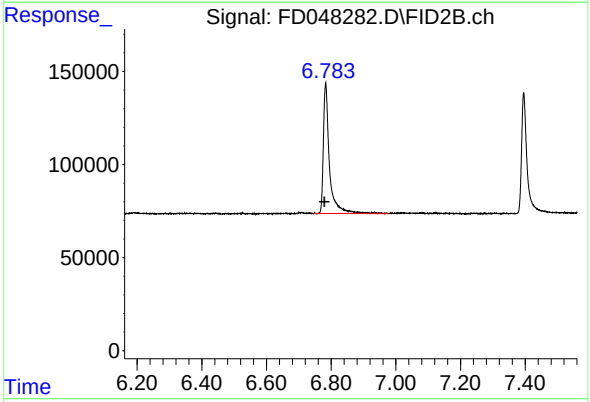
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



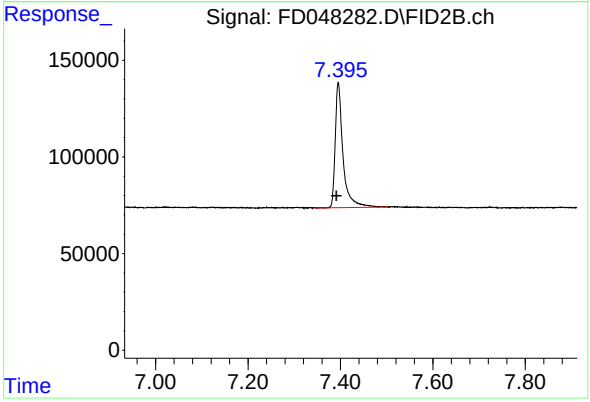
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: 0.005 min
Response: 928794
Conc: 5.17 ug/ml



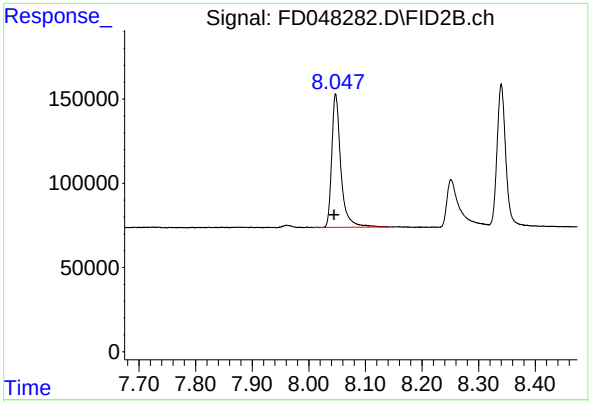
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.783 min
Delta R.T.: 0.004 min
Response: 912423
Conc: 5.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.396 min
Delta R.T.: 0.004 min
Response: 757871
Conc: 5.00 ug/ml



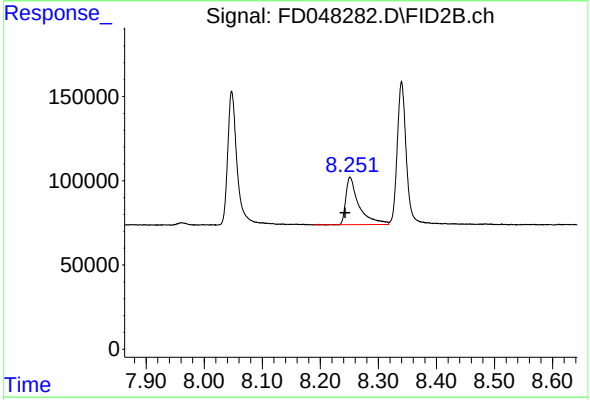
#5 Acenaphthylene (C15.06)

R.T.: 8.048 min
Delta R.T.: 0.003 min
Response: 884617
Conc: 5.08 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

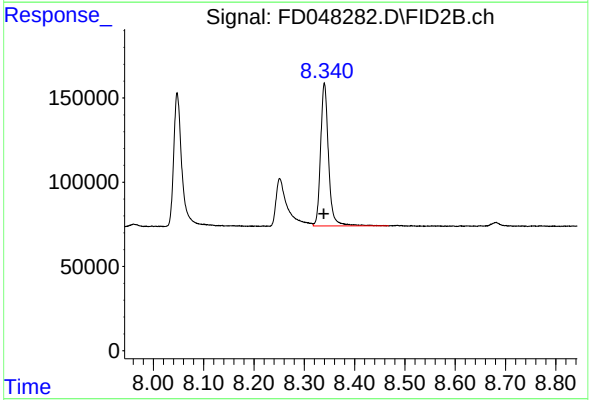
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



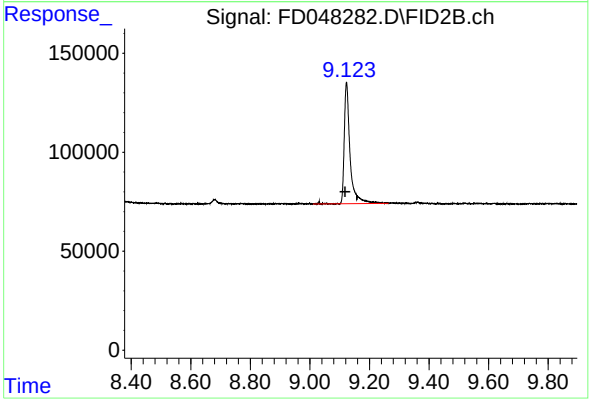
#6 2-Flurobiphenyl (SURR)

R.T.: 8.252 min
Delta R.T.: 0.009 min
Response: 440302
Conc: 4.52 ug/ml



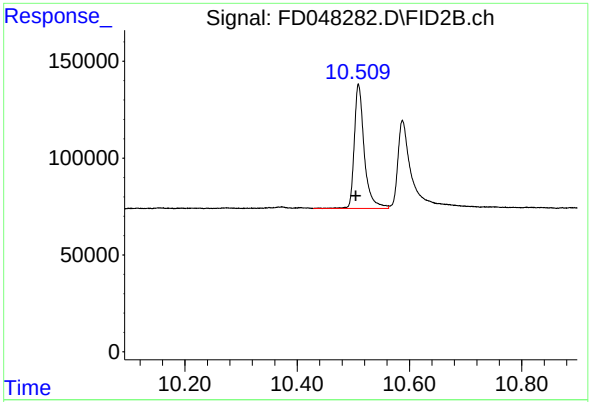
#7 Acenaphthene (C15.5)

R.T.: 8.340 min
Delta R.T.: 0.001 min
Response: 929168
Conc: 5.28 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.123 min
Delta R.T.: 0.006 min
Response: 830263
Conc: 4.95 ug/ml



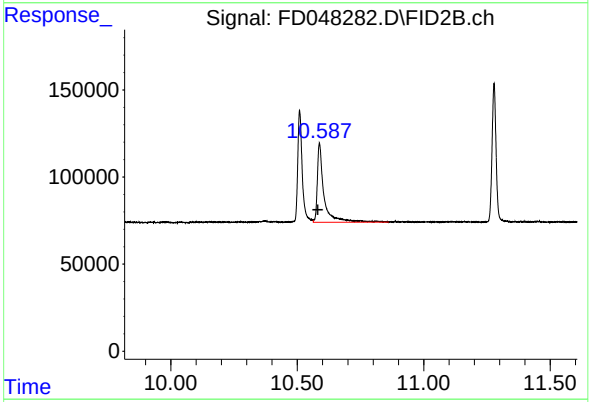
#9 Phenanthrene (C19.36)

R.T.: 10.510 min
Delta R.T.: 0.005 min
Response: 792099
Conc: 4.88 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

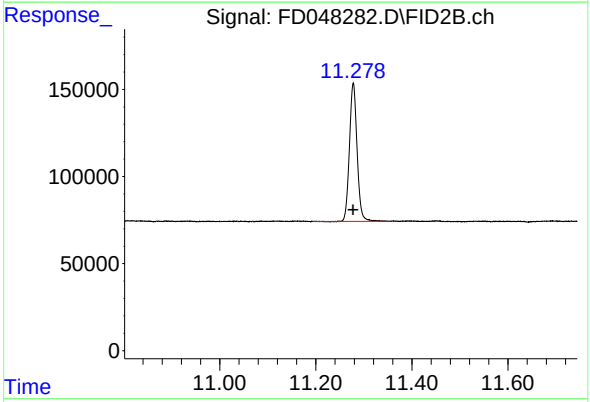
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



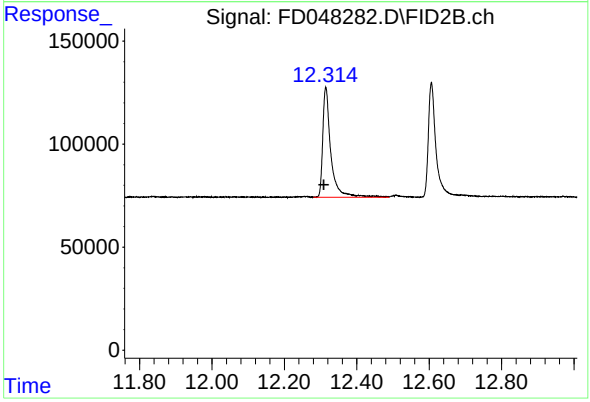
#10 Anthracene (C19.43)

R.T.: 10.588 min
Delta R.T.: 0.008 min
Response: 838119
Conc: 5.34 ug/ml



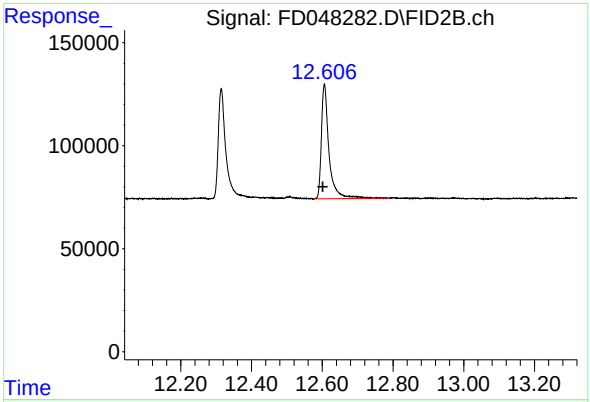
#11 ortho-Terphenyl (SURR)

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 877363
Conc: 5.14 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.315 min
Delta R.T.: 0.006 min
Response: 829047
Conc: 5.14 ug/ml



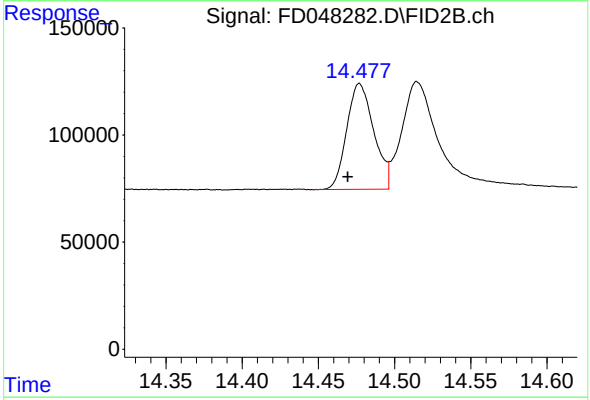
#13 Pyrene (C20.8)

R.T.: 12.606 min
Delta R.T.: 0.005 min
Response: 828436
Conc: 5.21 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

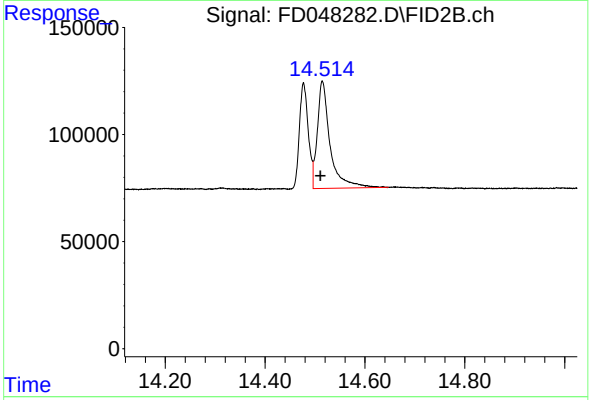
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



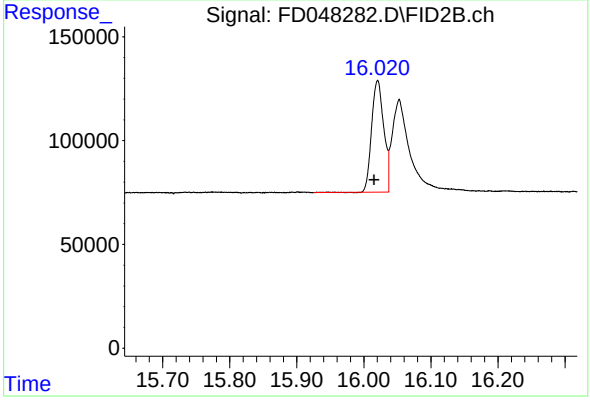
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.477 min
Delta R.T.: 0.008 min
Response: 610152
Conc: 4.22 ug/ml



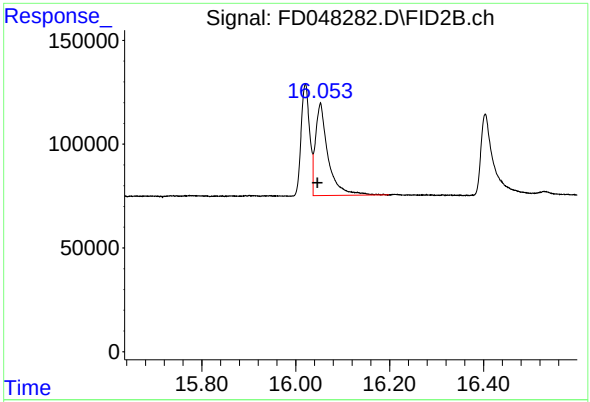
#15 Chrysene (C27.41)

R.T.: 14.515 min
Delta R.T.: 0.005 min
Response: 891898
Conc: 5.53 ug/ml



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

R.T.: 16.021 min
Delta R.T.: 0.005 min
Response: 676478
Conc: 4.45 ug/ml



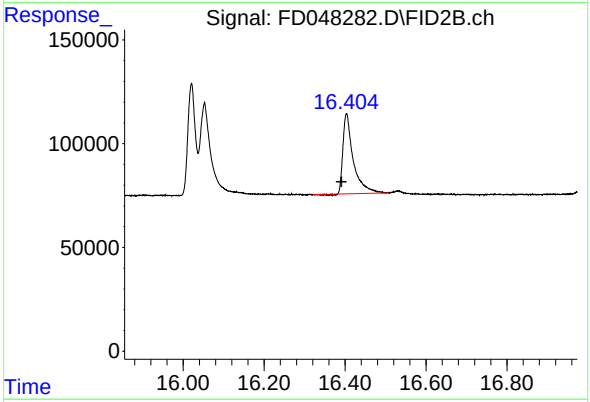
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.053 min
Delta R.T.: 0.006 min
Response: 828557
Conc: 5.48 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

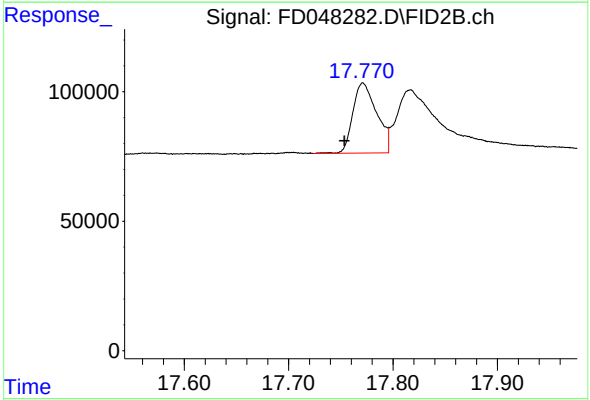
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



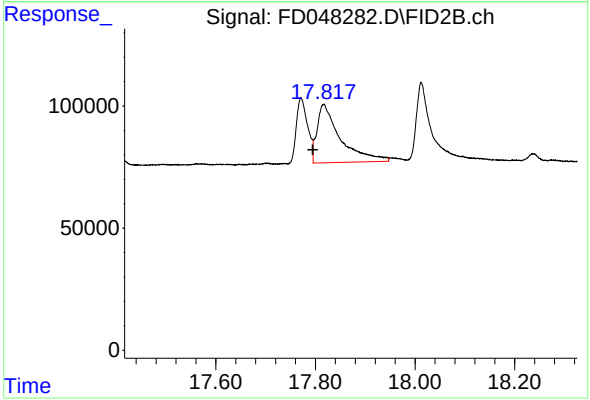
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.404 min
Delta R.T.: 0.013 min
Response: 681662
Conc: 4.52 ug/ml



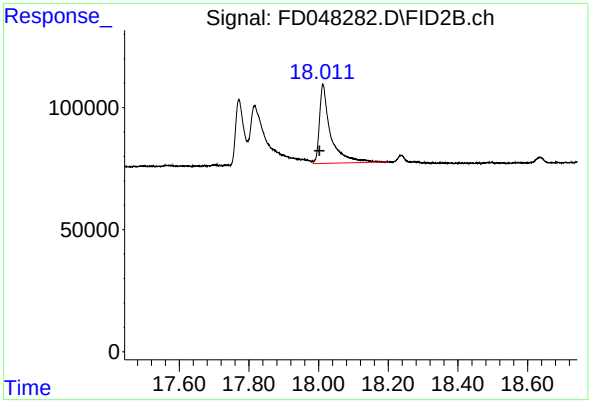
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.771 min
Delta R.T.: 0.018 min
Response: 430892
Conc: 3.60 ug/ml



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

R.T.: 17.817 min
Delta R.T.: 0.022 min
Response: 773973
Conc: 5.09 ug/ml m



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

R.T.:	18.013 min
Delta R.T.:	0.010 min
Response:	718269
Conc:	4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Instrument :
FID_D
LabSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Da
Data File : FD048282.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 10:54
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 090624.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	4.215	3.955	4.321	PV	97992	915922	98.57%	5.571%
2	5.737	5.551	5.944	BB	75191	928794	99.96%	5.650%
3	6.783	6.744	6.978	BB	69128	912423	98.20%	5.550%
4	7.396	7.341	7.504	BV	64511	757871	81.56%	4.610%
5	8.048	8.008	8.141	BV	78856	884617	95.21%	5.381%
6	8.252	8.188	8.318	BV	28169	440302	47.39%	2.678%
7	8.340	8.318	8.468	VV	84253	929168	100.00%	5.652%
8	9.123	9.011	9.264	BV	60760	830263	89.36%	5.050%
9	10.510	10.428	10.563	PV	62960	792099	85.25%	4.818%
10	10.588	10.563	10.861	VV	45272	838119	90.20%	5.098%
11	11.278	11.194	11.352	BV	79347	877363	94.42%	5.337%
12	12.315	12.280	12.488	PV	53313	829047	89.22%	5.043%
13	12.606	12.574	12.788	PV	55264	828436	89.16%	5.039%
14	14.477	14.447	14.496	PV	49203	610152	65.67%	3.711%
15	14.515	14.496	14.647	VV	50137	891898	95.99%	5.425%
16	16.021	15.924	16.037	PV	53922	676478	72.80%	4.115%
17	16.053	16.037	16.198	VV	43985	828557	89.17%	5.040%
18	16.404	16.321	16.507	BV	38623	681662	73.36%	4.146%
19	17.771	17.723	17.796	PV	27026	430892	46.37%	2.621%
20	17.817	17.796	17.984	VV	24306	837634	90.15%	5.095%
21	18.013	17.984	18.201	VBA	32566	718269	77.30%	4.369%
			Sum of corrected areas:			16439965		

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048283.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 11:32
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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
Quant Time: Sep 06 12:05:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.394	2948973	19.444 ug/ml
Spiked Amount	50.000		Recovery =	38.89%
6) S	2-Flurobiphenyl (SURR)	8.245	1873322	19.606 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.21%
11) S	ortho-Terphenyl (SURR)	11.280	3312038	19.304 ug/ml
Spiked Amount	50.000		Recovery =	38.61%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.214	3347073	18.973 ug/ml
2) T	Naphthalene (C11.7)	5.734	3476244	19.223 ug/ml
3) T	2-Methylnaphthalene (...	6.781	3463769	19.361 ug/ml
5) T	Acenaphthylene (C15.06)	8.047	3379188	19.341 ug/ml
7) T	Acenaphthene (C15.5)	8.341	3428384	19.276 ug/ml
8) T	Flouorene (C16.55)	9.120	3240561	19.352 ug/ml
9) T	Phenanthrene (C19.36)	10.507	3104983	19.232 ug/ml
10) T	Anthracene (C19.43)	10.582	3038526	19.095 ug/ml
12) T	Fluoranthene (C21.85)	12.310	3131576	19.317 ug/ml
13) T	Pyrene (C20.8)	12.604	3086017	19.247 ug/ml
14) T	Benzo[a]anthracene (C...	14.472	2769113	19.768 ug/ml
15) T	Chrysene (C27.41)	14.513	3118233	18.931 ug/ml
16) T	benzo[b]fluoranthene ...	16.018	2947909	19.841 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.048	2845488	18.475 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.393	2883681	19.491 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.756	2081112	18.418 ug/ml
20) T	Dibenz[a,h]anthracene...	17.798	2879324	18.867 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.005	2781536	18.870 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
Data File : FD048283.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 11:32
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

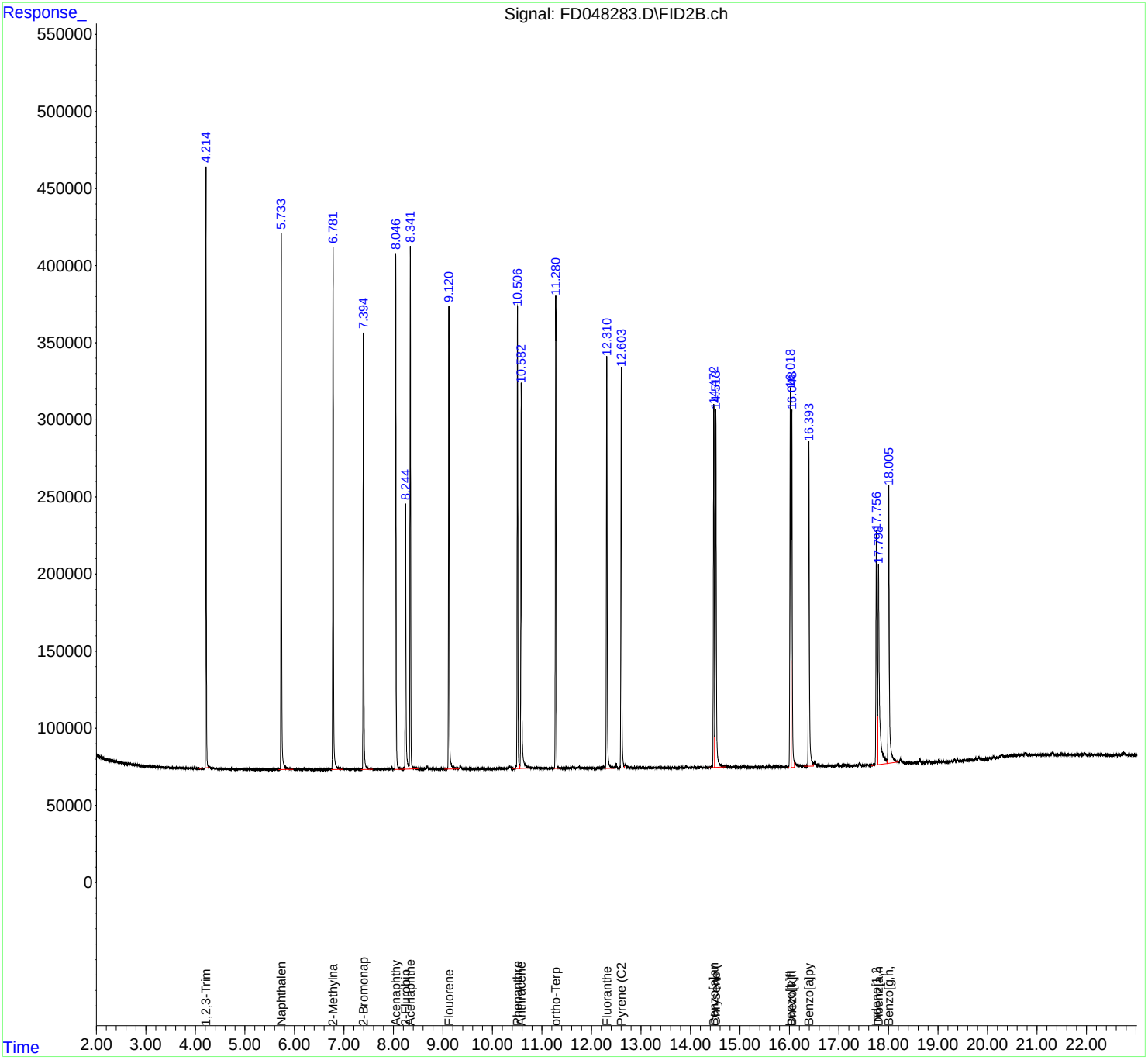
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

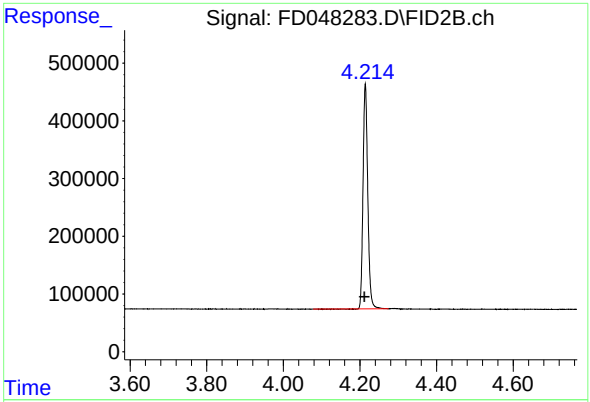
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
Quant Time: Sep 06 12:05:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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





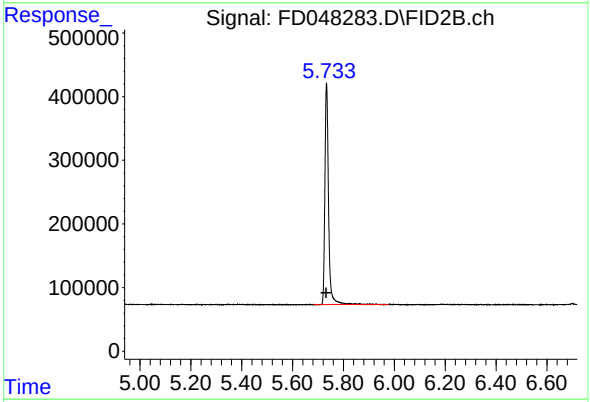
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.214 min
Delta R.T.: 0.002 min
Response: 3347073
Conc: 18.97 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

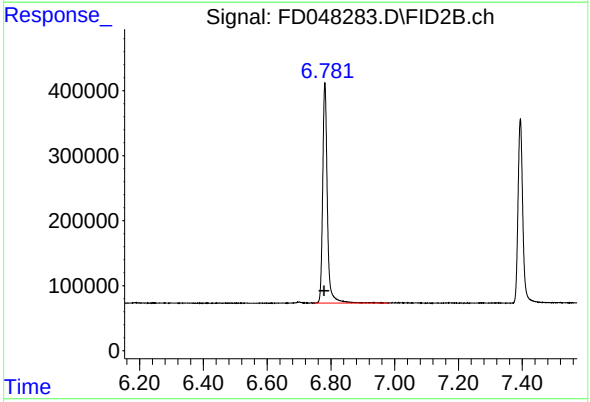
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



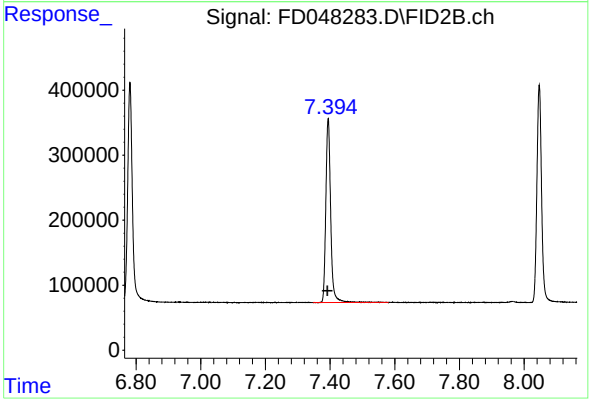
#2 Naphthalene (C11.7)

R.T.: 5.734 min
Delta R.T.: 0.002 min
Response: 3476244
Conc: 19.22 ug/ml



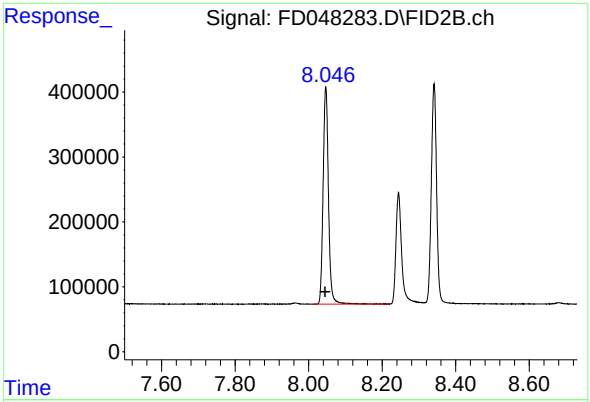
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.781 min
Delta R.T.: 0.002 min
Response: 3463769
Conc: 19.36 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.394 min
Delta R.T.: 0.003 min
Response: 2948973
Conc: 19.44 ug/ml



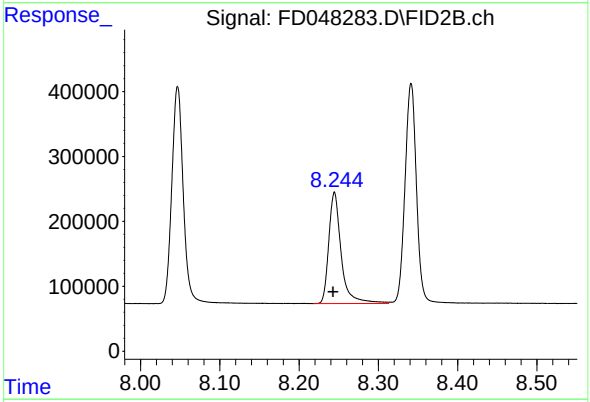
#5 Acenaphthylene (C15.06)

R.T.: 8.047 min
Delta R.T.: 0.002 min
Response: 3379188
Conc: 19.34 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

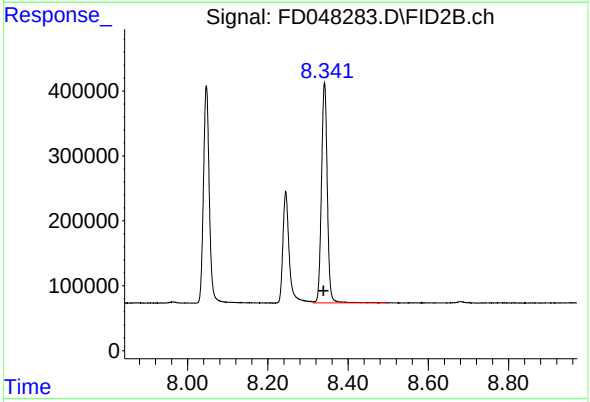
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



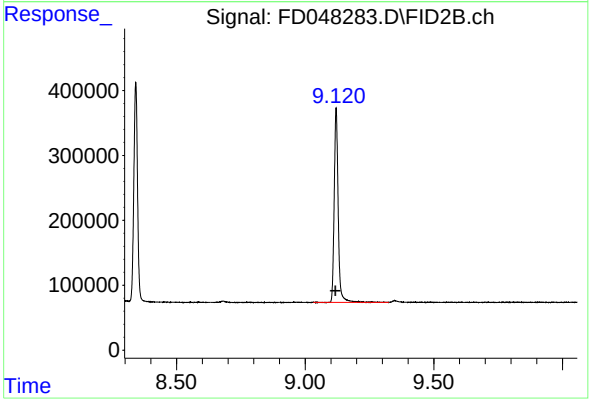
#6 2-Flurobiphenyl (SURR)

R.T.: 8.245 min
Delta R.T.: 0.002 min
Response: 1873322
Conc: 19.61 ug/ml



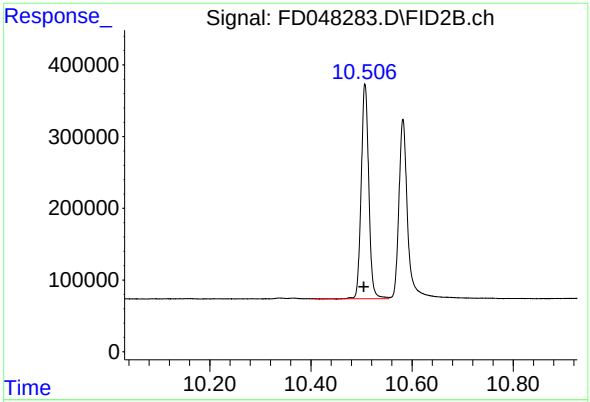
#7 Acenaphthene (C15.5)

R.T.: 8.341 min
Delta R.T.: 0.002 min
Response: 3428384
Conc: 19.28 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.120 min
Delta R.T.: 0.003 min
Response: 3240561
Conc: 19.35 ug/ml



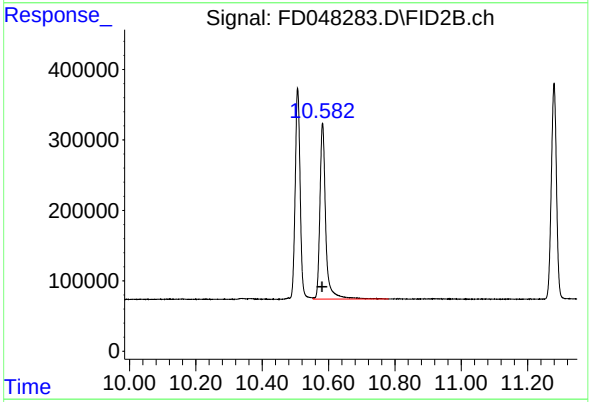
#9 Phenanthrene (C19.36)

R.T.: 10.507 min
Delta R.T.: 0.003 min
Response: 3104983
Conc: 19.23 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

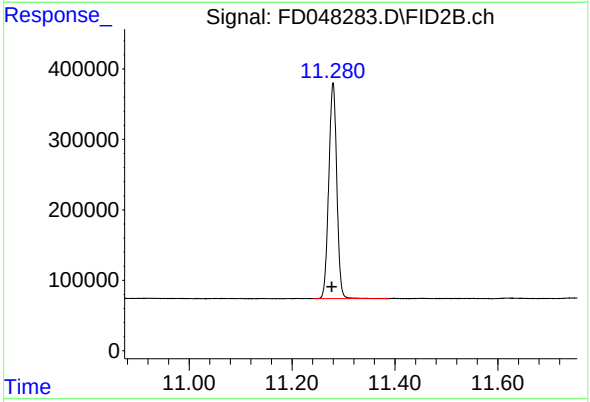
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



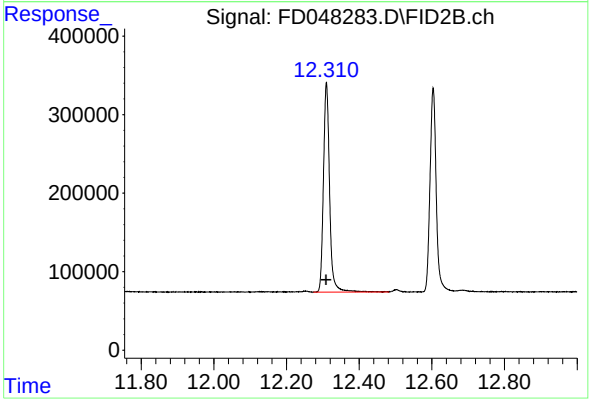
#10 Anthracene (C19.43)

R.T.: 10.582 min
Delta R.T.: 0.002 min
Response: 3038526
Conc: 19.09 ug/ml



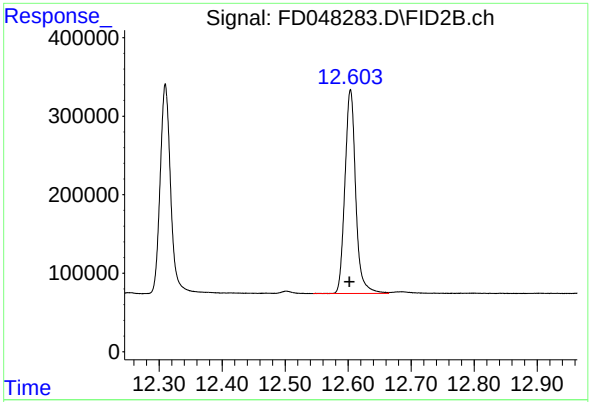
#11 ortho-Terphenyl (SURR)

R.T.: 11.280 min
Delta R.T.: 0.002 min
Response: 3312038
Conc: 19.30 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.310 min
Delta R.T.: 0.001 min
Response: 3131576
Conc: 19.32 ug/ml



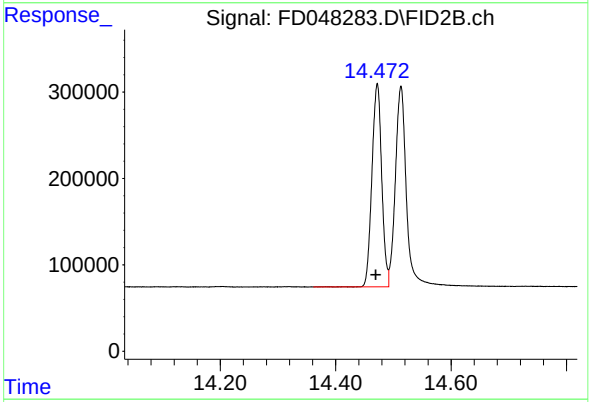
#13 Pyrene (C20.8)

R.T.: 12.604 min
Delta R.T.: 0.002 min
Response: 3086017
Conc: 19.25 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

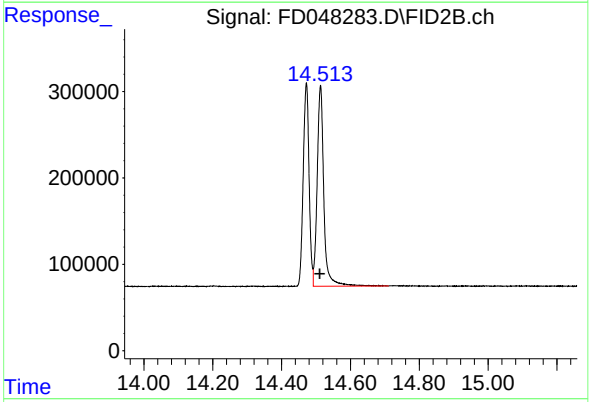
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



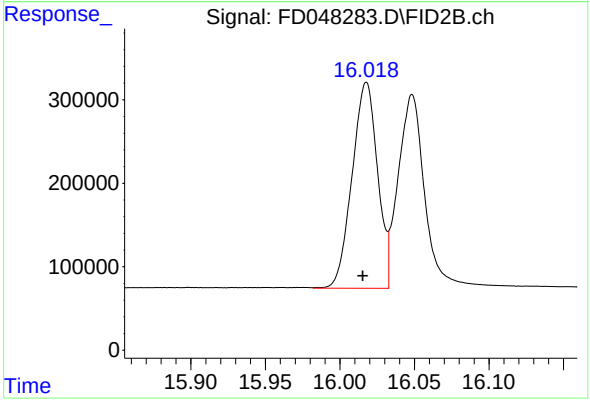
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.472 min
Delta R.T.: 0.002 min
Response: 2769113
Conc: 19.77 ug/ml



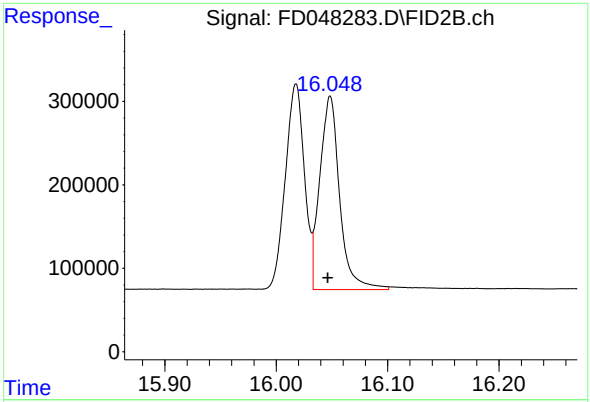
#15 Chrysene (C27.41)

R.T.: 14.513 min
Delta R.T.: 0.002 min
Response: 3118233
Conc: 18.93 ug/ml



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

R.T.: 16.018 min
Delta R.T.: 0.002 min
Response: 2947909
Conc: 19.84 ug/ml m



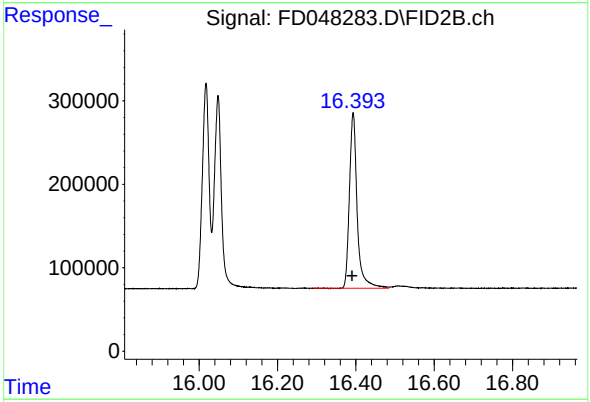
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.048 min
Delta R.T.: 0.002 min
Response: 2845488
Conc: 18.48 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

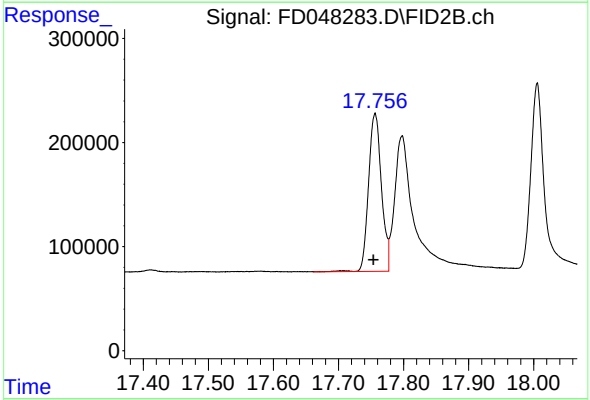
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024



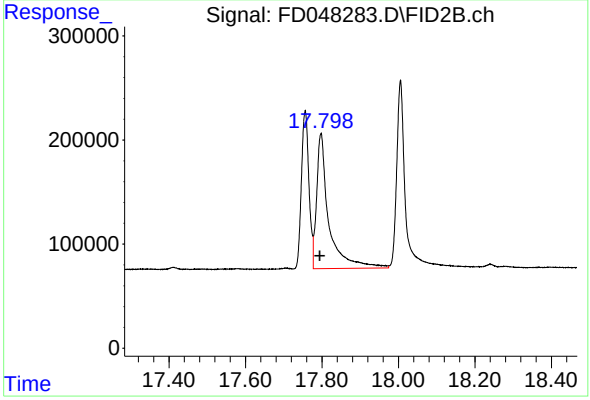
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.393 min
Delta R.T.: 0.002 min
Response: 2883681
Conc: 19.49 ug/ml



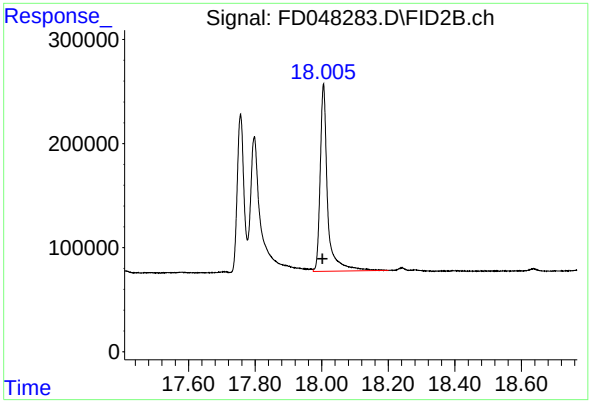
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.756 min
Delta R.T.: 0.003 min
Response: 2081112
Conc: 18.42 ug/ml



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

R.T.: 17.798 min
Delta R.T.: 0.003 min
Response: 2879324
Conc: 18.87 ug/ml



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

R.T.: 18.005 min
Delta R.T.: 0.002 min
Response: 2781536
Conc: 18.87 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/09/2024
Supervised By :Ankita Jodhani 09/09/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Da
Data File : FD048283.D
Signal(s) : FID2B.ch
Acq On : 06 Sep 2024 11:32
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 090624.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	4.214	4.078	4.275	BV	387289	3347073	96.28%	5.303%
2	5.734	5.681	5.978	BB	345981	3476244	100.00%	5.508%
3	6.781	6.744	6.981	VV	338134	3463769	99.64%	5.488%
4	7.394	7.348	7.581	BB	283335	2948973	84.83%	4.673%
5	8.047	8.013	8.218	PV	335114	3379188	97.21%	5.354%
6	8.245	8.218	8.313	PV	170828	1873322	53.89%	2.968%
7	8.341	8.313	8.501	VB	339347	3428384	98.62%	5.432%
8	9.120	9.031	9.324	BV	298772	3240561	93.22%	5.135%
9	10.507	10.404	10.554	BV	298574	3104983	89.32%	4.920%
10	10.582	10.554	10.781	VB	249443	3038526	87.41%	4.814%
11	11.280	11.241	11.388	BV	305841	3312038	95.28%	5.248%
12	12.310	12.273	12.481	PV	264804	3131576	90.09%	4.962%
13	12.604	12.544	12.664	PV	260573	3086017	88.77%	4.890%
14	14.472	14.361	14.492	BV	234664	2769113	79.66%	4.388%
15	14.513	14.492	14.711	VV	234434	3118233	89.70%	4.941%
16	16.018	15.986	16.034	M	246315	2992925	86.10%	4.742%
17	16.048	16.034	16.109	M	231216	2775565	79.84%	4.398%
18	16.393	16.291	16.484	BV	210910	2883681	82.95%	4.569%
19	17.756	17.661	17.777	BV	151715	2081112	59.87%	3.297%
20	17.798	17.777	17.974	VV	129702	2879324	82.83%	4.562%
21	18.005	17.974	18.201	VBA	179082	2781536	80.02%	4.407%
			Sum of corrected areas:			63112144		

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

Inital Calibration Report for SequenceID : FE091024AL

AreaCount

Parameter Range	FE049975.D	FE049976.D	FE049977.D	FE049978.D	FE049979.D	
Aliphatic C9-C12	39202436.000	20067036.000	8065804.000	4193454.000	2216007.000	
Aliphatic C12-C16	26226333.000	13423616.000	5383564.000	2805879.000	1474355.000	
Aliphatic C16-C21	38537481.000	19626750.000	7914285.000	4165187.000	2190375.000	
Aliphatic C21-C28	49000420.000	24889124.000	10075866.000	5311708.000	2825151.000	
Aliphatic C28-C40	67523360.000	34301823.000	13953065.000	7414568.000	4012676.000	
Aliphatic EPH	220490030.000	112308349.000	45392584.000	23890796.000	12718564.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	137280.1386664	4.88				
Aliphatic C12-C16	137537.275	4.687				
Aliphatic C16-C21	135214.5173332	5.304				
Aliphatic C21-C28	129389.049	5.939				
Aliphatic C28-C40	120097.1769996	7.254				
Aliphatic EPH	129483.2097774	5.894				

Concentration

Parameter Range	FE049975.D	FE049976.D	FE049977.D	FE049978.D	FE049979.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	FE049975.D	FE049976.D	FE049977.D	FE049978.D	FE049979.D	
Aliphatic C9-C12	130674.786666	133780.240000	134430.066666	139781.800000	147733.800000	
Aliphatic C12-C16	131131.665000	134236.160000	134589.100000	140293.950000	147435.500000	
Aliphatic C16-C21	128458.270000	130845.000000	131904.750000	138839.566666	146025.000000	

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

Inital Calibration Report for SequenceID : FE091024AL

Aliphatic C21-C28	122501.050000	124445.620000	125948.325000	132792.700000	141257.550000	
Aliphatic C28-C40	112538.933333	114339.410000	116275.541666	123576.133333	133755.866666	
Aliphatic EPH	122494.461111	124787.054444	126090.511111	132726.644444	141317.377777	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049975.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 14:45
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 09 16:13:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:11:00 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)	11.887	14118068	98.735 ug/ml
Spiked Amount	50.000		Recovery =	197.47%
12) S	1-chlorooctadecane (S...	13.320	10830362	99.145 ug/ml
Spiked Amount	50.000		Recovery =	198.29%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	12886910	98.518 ug/ml
2) T	n-Decane (C10)	4.522	13133580	98.626 ug/ml
3) T	A~Naphthalene (C11.7)	6.230	13885004	100.189 ug/ml
4) T	n-Dodecane (C12)	6.690	13181946	98.605 ug/ml
5) T	A~2-methylnaphthalene...	7.327	13176803	100.756 ug/ml
6) T	n-Tetradecane (C14)	8.517	12959423	98.629 ug/ml
7) T	n-Hexadecane (C16)	10.125	13266910	98.767 ug/ml
8) T	n-Octadecane (C18)	11.568	13324154	98.739 ug/ml
10) T	n-Eicosane (C20)	12.874	12716818	98.589 ug/ml
11) T	n-Heneicosane (C21)	13.486	12496509	98.698 ug/ml
13) T	n-Docosane (C22)	14.072	12384691	98.683 ug/ml
14) T	n-Tetracosane (C24)	15.174	12332065	98.551 ug/ml
15) T	n-Hexacosane (C26)	16.194	12160184	98.720 ug/ml
16) T	n-Octacosane (C28)	17.141	12123480	98.496 ug/ml
17) T	n-Tricontane (C30)	18.028	12471897	98.352 ug/ml
18) T	n-Dotriacontane (C32)	18.860	12352501	98.073 ug/ml
19) T	n-Tetratriacontane (C34)	19.644	11492124	98.023 ug/ml
20) T	n-Hexatriacontane (C36)	20.383	10538246	99.396 ug/ml
21) T	n-Octatriacontane (C38)	21.111	10439697	98.472 ug/ml
22) T	n-Tetracontane (C40)	22.007	10228895	97.976 ug/ml

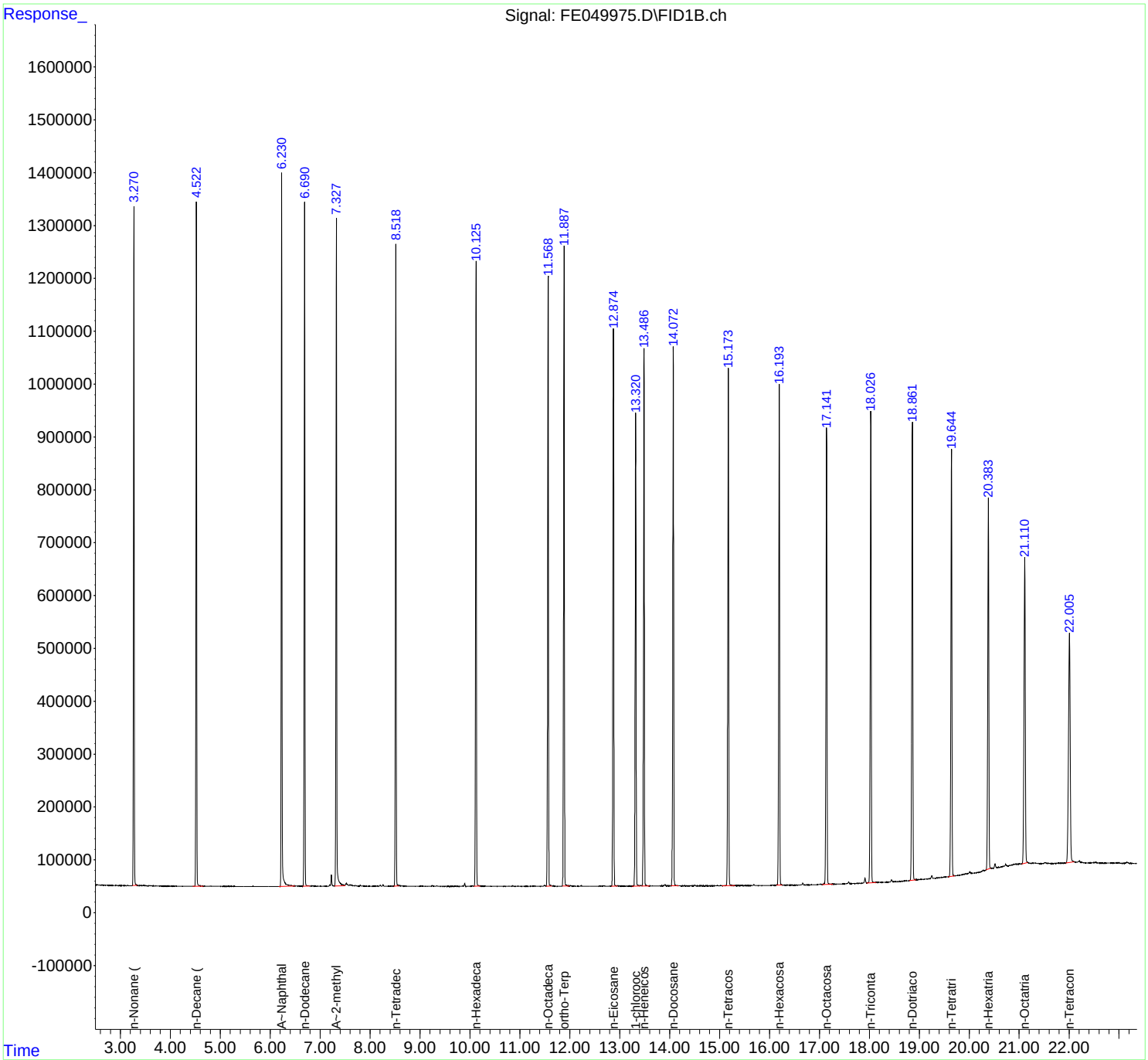
(f)=RT Delta > 1/2 Window (m)=manual int.

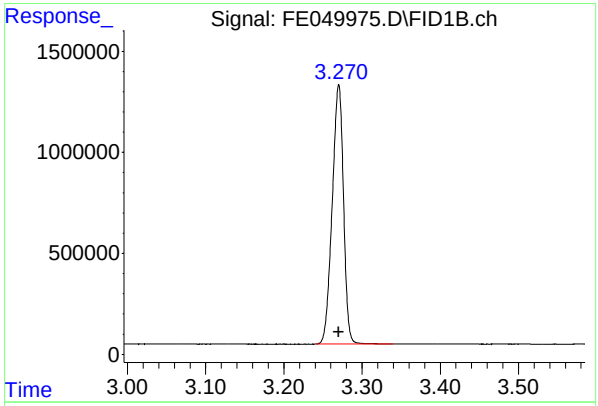
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049975.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 14:45
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 09 16:13:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:11:00 2024
Response via : Initial Calibration
Integrator: ChemStation

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

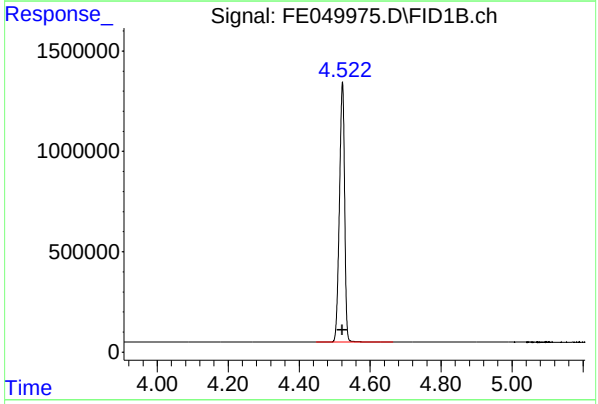




#1 n-Nonane (C9)

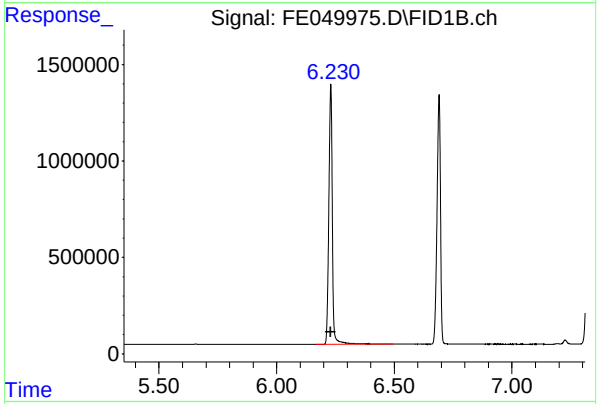
R.T.: 3.270 min
Delta R.T.: 0.000 min
Response: 12886910
Conc: 98.52 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



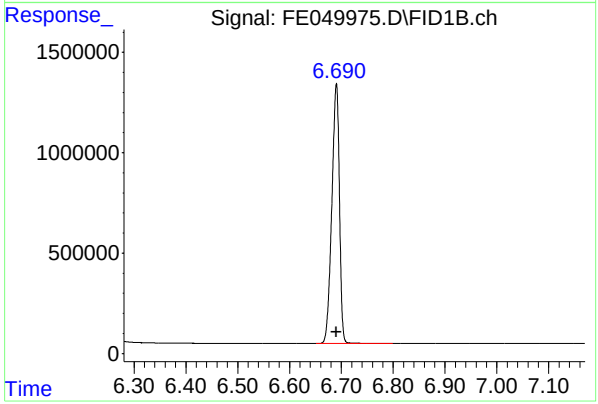
#2 n-Decane (C10)

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 13133580
Conc: 98.63 ug/ml



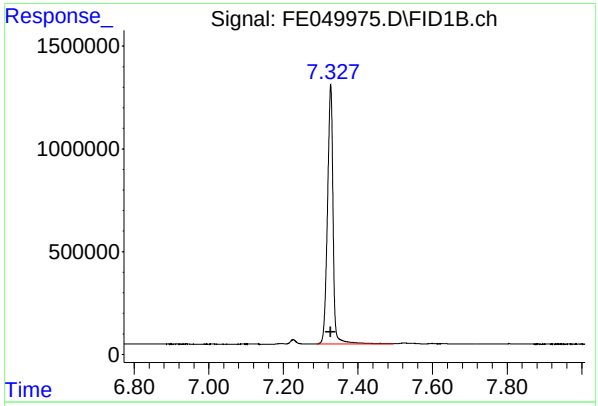
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: 0.000 min
Response: 13885004
Conc: 100.19 ug/ml



#4 n-Dodecane (C12)

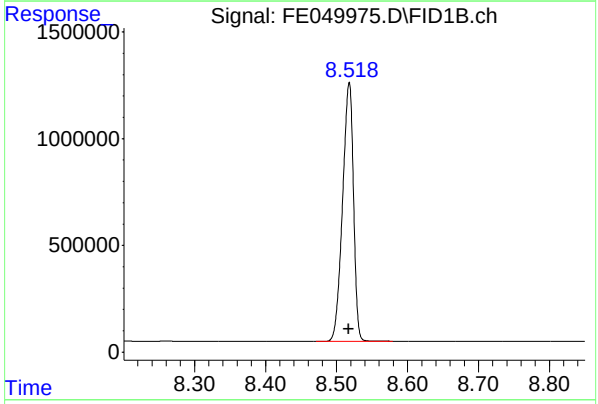
R.T.: 6.690 min
Delta R.T.: 0.000 min
Response: 13181946
Conc: 98.60 ug/ml



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

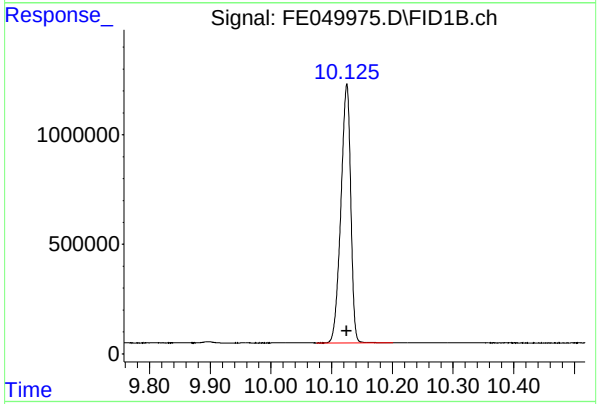
R.T.: 7.327 min
Delta R.T.: 0.000 min
Response: 13176803
Conc: 100.76 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



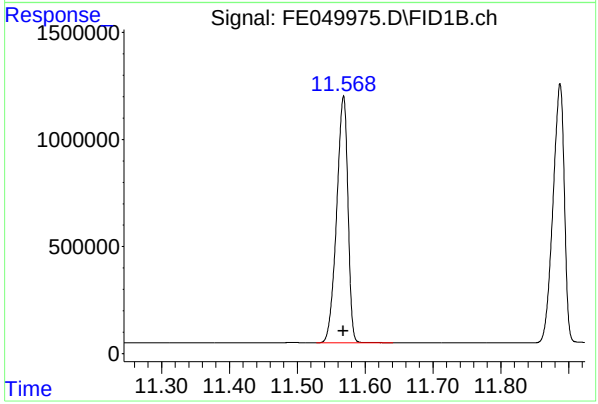
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: 0.000 min
Response: 12959423
Conc: 98.63 ug/ml



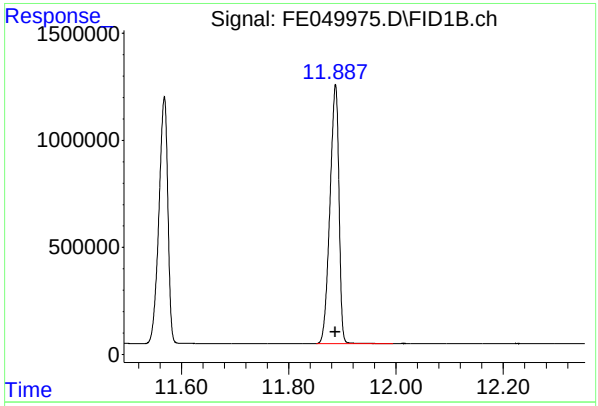
#7 n-Hexadecane (C16)

R.T.: 10.125 min
Delta R.T.: 0.000 min
Response: 13266910
Conc: 98.77 ug/ml



#8 n-Octadecane (C18)

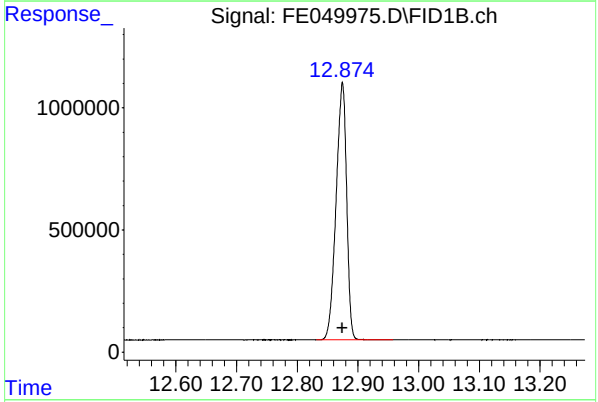
R.T.: 11.568 min
Delta R.T.: 0.000 min
Response: 13324154
Conc: 98.74 ug/ml



#9 ortho-Terphenyl (SURR)

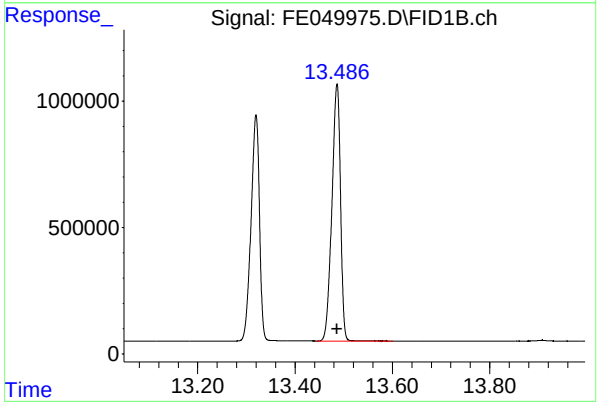
R.T.: 11.887 min
Delta R.T.: 0.000 min
Response: 14118068
Conc: 98.74 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



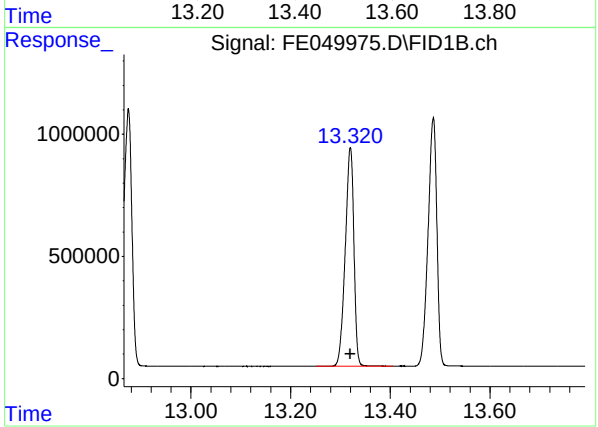
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: 0.000 min
Response: 12716818
Conc: 98.59 ug/ml



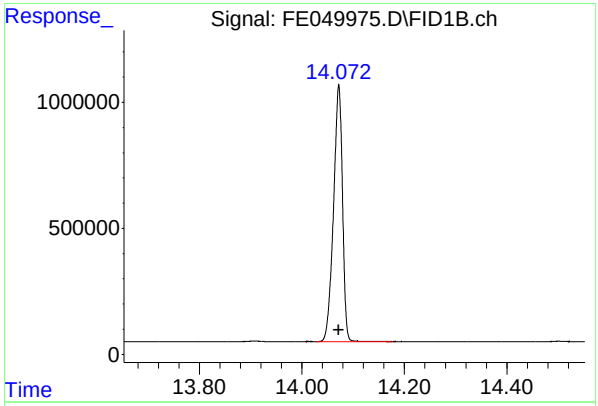
#11 n-Heneicosane (C21)

R.T.: 13.486 min
Delta R.T.: 0.000 min
Response: 12496509
Conc: 98.70 ug/ml



#12 1-chlorooctadecane (SURR)

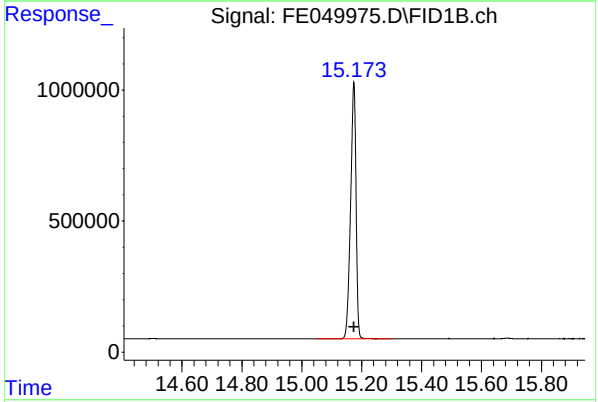
R.T.: 13.320 min
Delta R.T.: 0.000 min
Response: 10830362
Conc: 99.14 ug/ml



#13 n-Docosane (C22)

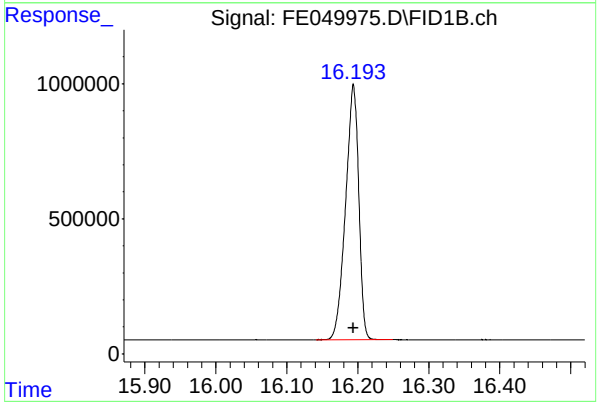
R.T.: 14.072 min
Delta R.T.: 0.000 min
Response: 12384691
Conc: 98.68 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



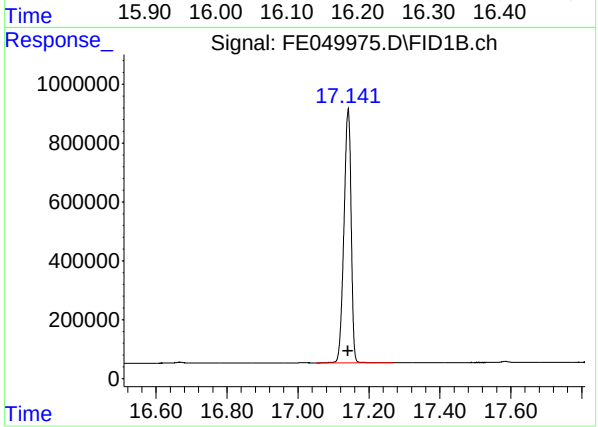
#14 n-Tetracosane (C24)

R.T.: 15.174 min
Delta R.T.: 0.000 min
Response: 12332065
Conc: 98.55 ug/ml



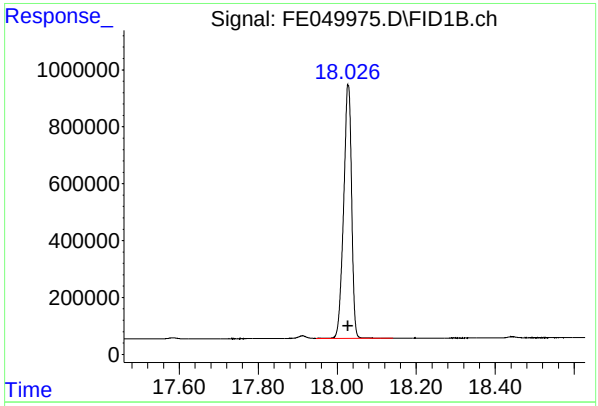
#15 n-Hexacosane (C26)

R.T.: 16.194 min
Delta R.T.: 0.000 min
Response: 12160184
Conc: 98.72 ug/ml



#16 n-Octacosane (C28)

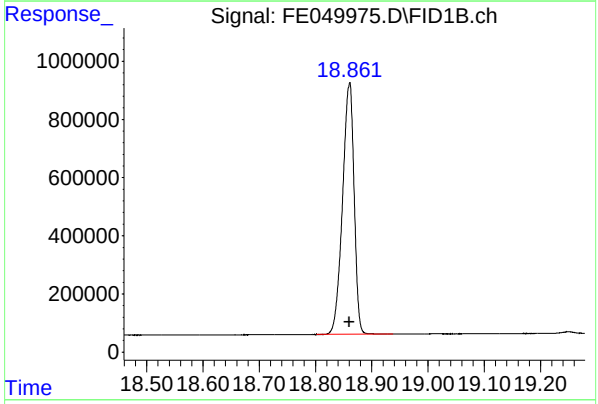
R.T.: 17.141 min
Delta R.T.: 0.000 min
Response: 12123480
Conc: 98.50 ug/ml



#17 n-Tricontane (C30)

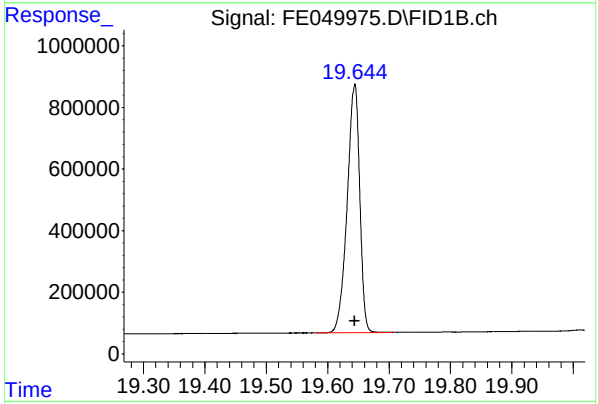
R.T.: 18.028 min
Delta R.T.: 0.000 min
Response: 12471897
Conc: 98.35 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



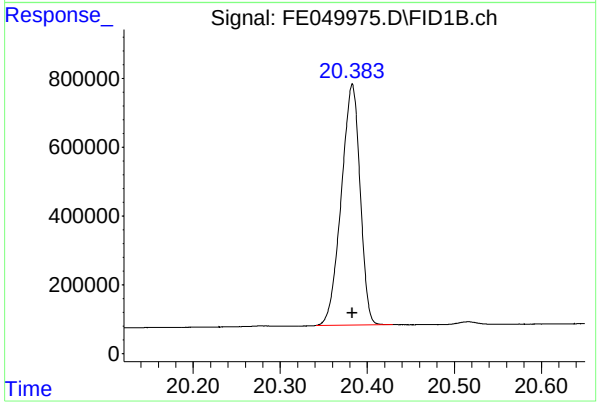
#18 n-Dotriacontane (C32)

R.T.: 18.860 min
Delta R.T.: 0.000 min
Response: 12352501
Conc: 98.07 ug/ml



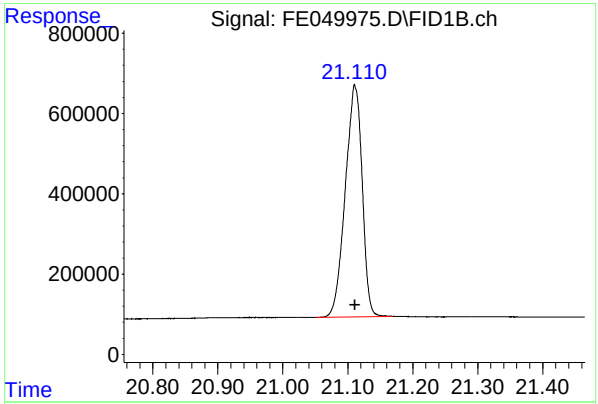
#19 n-Tetratriacontane (C34)

R.T.: 19.644 min
Delta R.T.: 0.000 min
Response: 11492124
Conc: 98.02 ug/ml



#20 n-Hexatriacontane (C36)

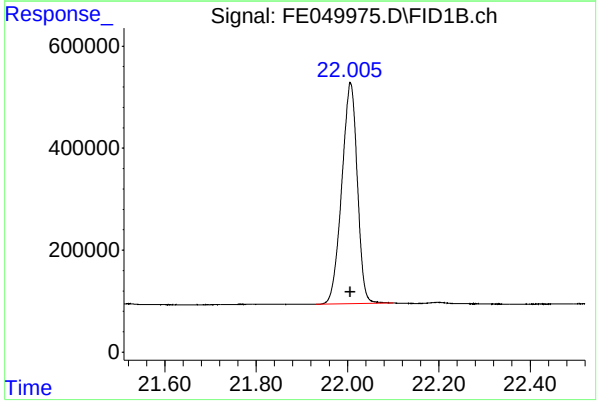
R.T.: 20.383 min
Delta R.T.: 0.000 min
Response: 10538246
Conc: 99.40 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: 0.000 min
Response: 10439697
Conc: 98.47 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.007 min
Delta R.T.: 0.000 min
Response: 10228895
Conc: 97.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049975.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 14:45
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.270	3.241	3.339	BBA	1291250	12886910	91.28%	4.729%
2	4.522	4.448	4.664	BB	1285260	13133580	93.03%	4.820%
3	6.230	6.168	6.494	BB	1357986	13885004	98.35%	5.095%
4	6.690	6.651	6.799	BBA	1307023	13181946	93.37%	4.837%
5	7.327	7.288	7.494	PV	1273914	13176803	93.33%	4.836%
6	8.517	8.471	8.579	BBA	1217701	12959423	91.79%	4.756%
7	10.125	10.074	10.201	PBA	1176921	13266910	93.97%	4.869%
8	11.568	11.528	11.641	PBA	1152873	13324154	94.38%	4.890%
9	11.887	11.851	11.994	BV	1220577	14118068	100.00%	5.181%
10	12.874	12.831	12.958	BV	1053901	12716818	90.07%	4.667%
11	13.320	13.251	13.405	BV	899747	10830362	76.71%	3.974%
12	13.486	13.443	13.601	VB	1027296	12496509	88.51%	4.586%
13	14.072	14.028	14.178	BB	1012151	12384691	87.72%	4.545%
14	15.174	15.048	15.304	BB	982109	12332065	87.35%	4.526%
15	16.194	16.141	16.249	BBA	943017	12160184	86.13%	4.462%
16	17.141	17.051	17.268	BB	858570	12123480	85.87%	4.449%
17	18.028	17.946	18.141	VB	893575	12471897	88.34%	4.577%
18	18.860	18.801	18.938	BB	871851	12352501	87.49%	4.533%
19	19.644	19.581	19.706	BV	809920	11492124	81.40%	4.217%
20	20.383	20.341	20.429	BBA	696642	10538246	74.64%	3.867%
21	21.111	21.051	21.169	BBA	576102	10439697	73.95%	3.831%
22	22.007	21.931	22.099	BBA	432619	10228895	72.45%	3.754%
			Sum of corrected areas:			272500267		

Aliphatic EPH 091024.M Tue Sep 10 01:34:38 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049976.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 15:15
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 09 16:15:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:11:00 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)	11.881	7177033	50.128 ug/ml
Spiked Amount	50.000		Recovery =	100.26%
12)	S 1-chlorooctadecane (S...	13.315	5486804	50.152 ug/ml
Spiked Amount	50.000		Recovery =	100.30%
	Target Compounds			
1)	T n-Nonane (C9)	3.267	6591771	50.261 ug/ml
2)	T n-Decane (C10)	4.518	6718835	50.302 ug/ml
3)	T A~Naphthalene (C11.7)	6.226	7037063	50.515 ug/ml
4)	T n-Dodecane (C12)	6.686	6756430	50.359 ug/ml
5)	T A~2-methylnaphthalene...	7.323	6616835	50.395 ug/ml
6)	T n-Tetradecane (C14)	8.514	6633277	50.321 ug/ml
7)	T n-Hexadecane (C16)	10.120	6790339	50.366 ug/ml
8)	T n-Octadecane (C18)	11.562	6799156	50.256 ug/ml
10)	T n-Eicosane (C20)	12.870	6472873	50.121 ug/ml
11)	T n-Heneicosane (C21)	13.481	6354721	50.126 ug/ml
13)	T n-Docosane (C22)	14.067	6285085	50.054 ug/ml
14)	T n-Tetracosane (C24)	15.168	6253768	49.984 ug/ml
15)	T n-Hexacosane (C26)	16.188	6172556	50.074 ug/ml
16)	T n-Octacosane (C28)	17.138	6177715	50.126 ug/ml
17)	T n-Tricontane (C30)	18.024	6354286	50.073 ug/ml
18)	T n-Dotriacontane (C32)	18.856	6288177	49.950 ug/ml
19)	T n-Tetratriacontane (C34)	19.638	5841480	49.883 ug/ml
20)	T n-Hexatriacontane (C36)	20.378	5286964	49.911 ug/ml
21)	T n-Octatriacontane (C38)	21.104	5289296	49.927 ug/ml
22)	T n-Tetracontane (C40)	21.998	5241620	50.137 ug/ml

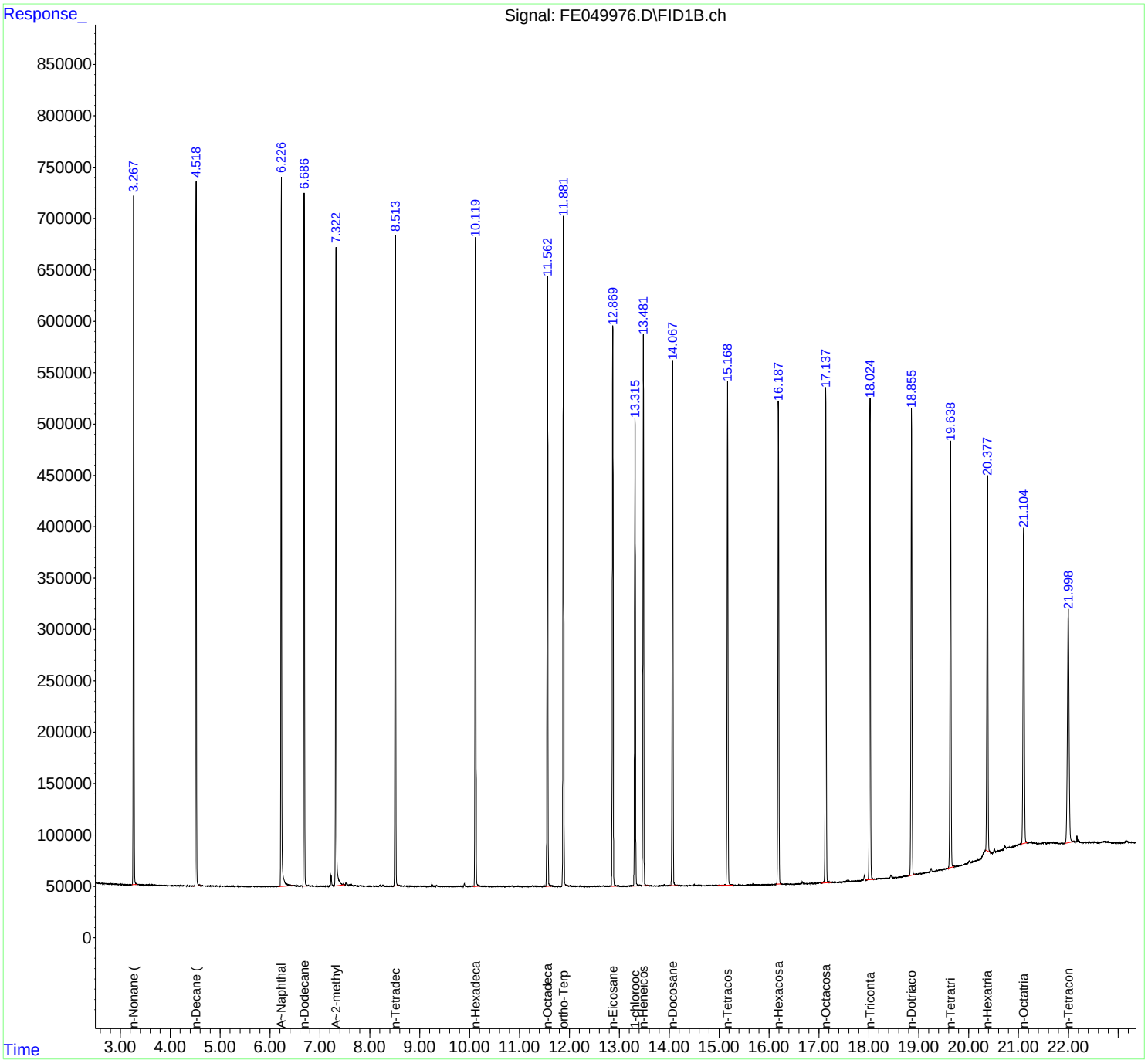
(f)=RT Delta > 1/2 Window (m)=manual int.

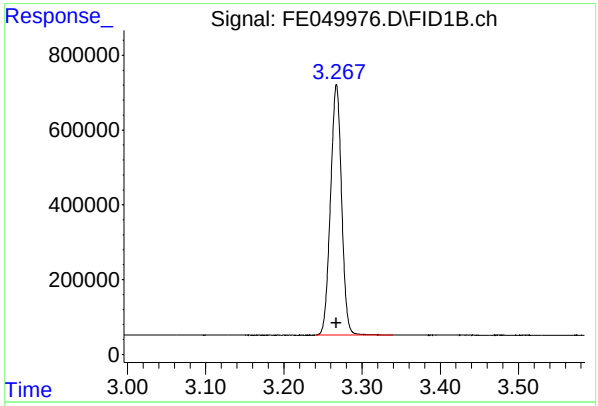
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049976.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 15:15
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 09 16:15:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:11:00 2024
Response via : Initial Calibration
Integrator: ChemStation

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

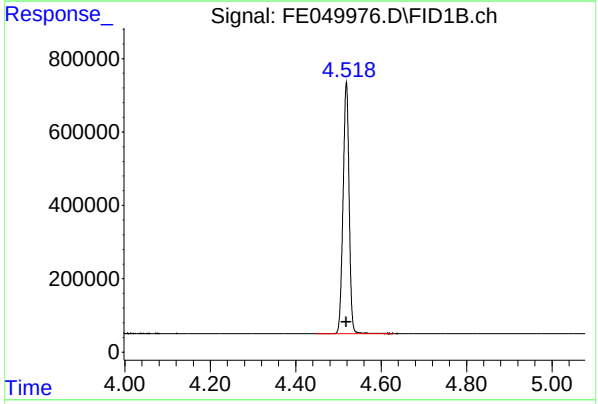




#1 n-Nonane (C9)

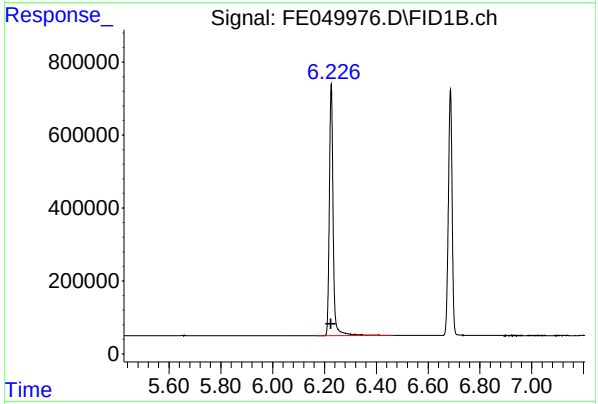
R.T.: 3.267 min
Delta R.T.: 0.000 min
Response: 6591771
Conc: 50.26 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



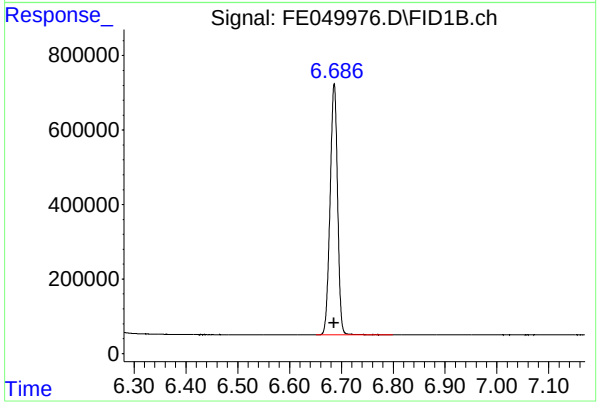
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: 0.000 min
Response: 6718835
Conc: 50.30 ug/ml



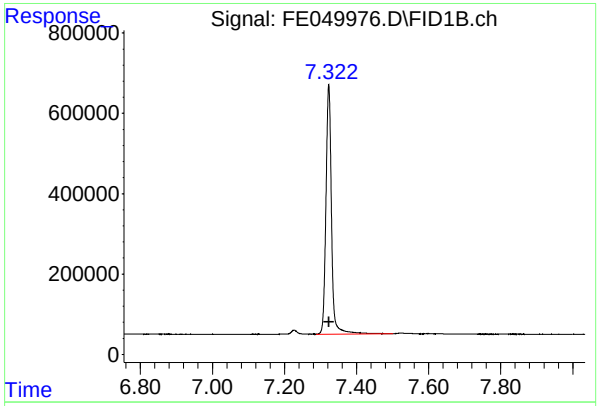
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: 0.000 min
Response: 7037063
Conc: 50.52 ug/ml



#4 n-Dodecane (C12)

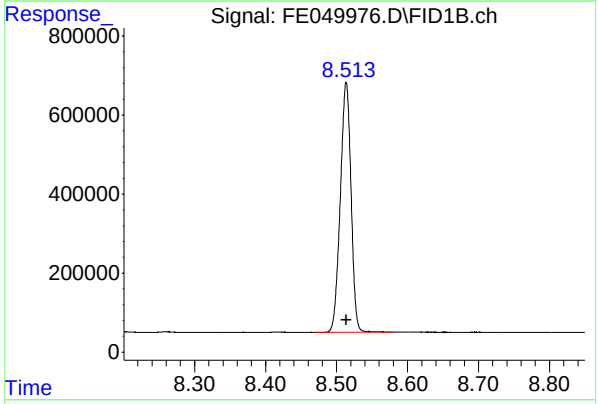
R.T.: 6.686 min
Delta R.T.: 0.000 min
Response: 6756430
Conc: 50.36 ug/ml



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

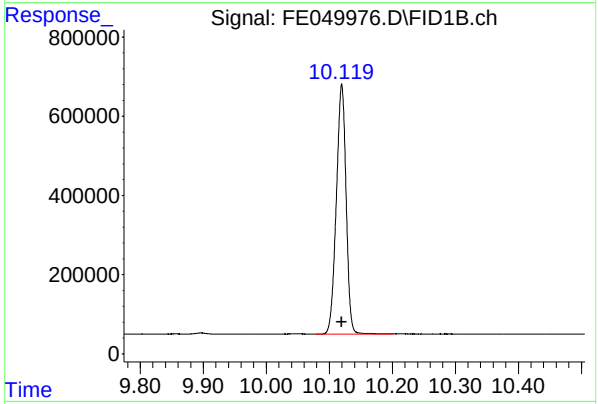
R.T.: 7.323 min
Delta R.T.: 0.000 min
Response: 6616835
Conc: 50.40 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



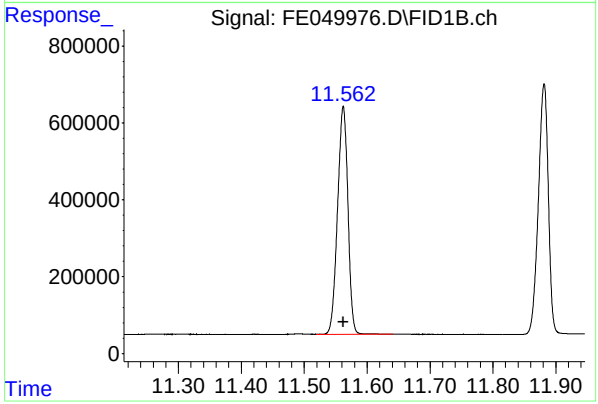
#6 n-Tetradecane (C14)

R.T.: 8.514 min
Delta R.T.: 0.000 min
Response: 6633277
Conc: 50.32 ug/ml



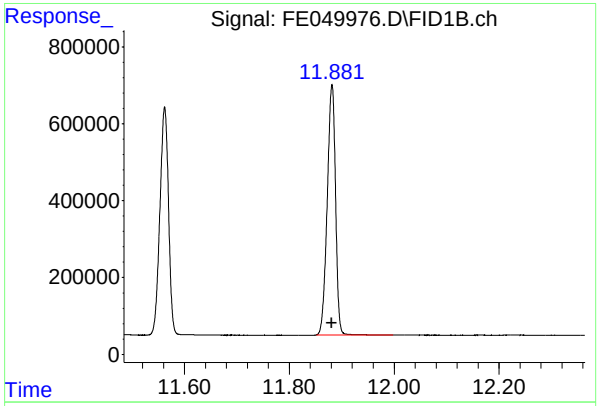
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: 0.000 min
Response: 6790339
Conc: 50.37 ug/ml



#8 n-Octadecane (C18)

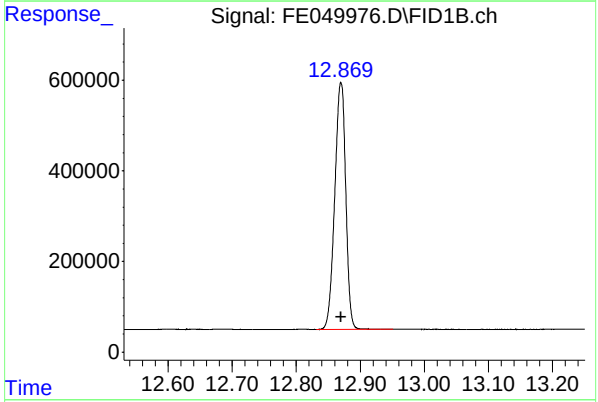
R.T.: 11.562 min
Delta R.T.: 0.000 min
Response: 6799156
Conc: 50.26 ug/ml



#9 ortho-Terphenyl (SURR)

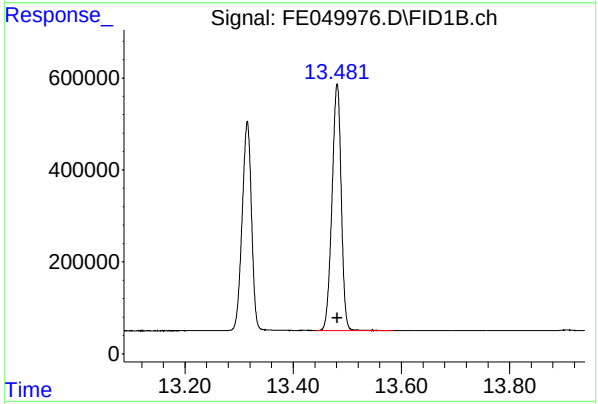
R.T.: 11.881 min
Delta R.T.: 0.000 min
Response: 7177033
Conc: 50.13 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



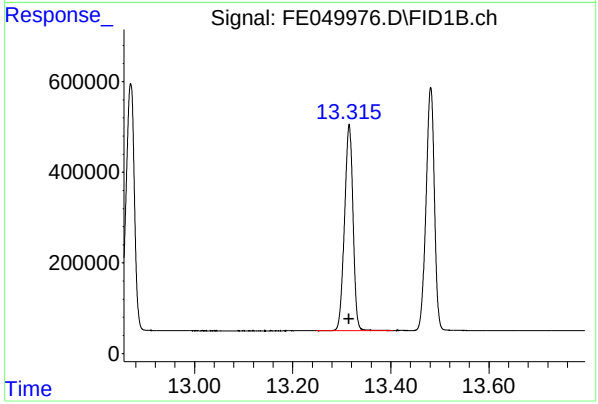
#10 n-Eicosane (C20)

R.T.: 12.870 min
Delta R.T.: 0.000 min
Response: 6472873
Conc: 50.12 ug/ml



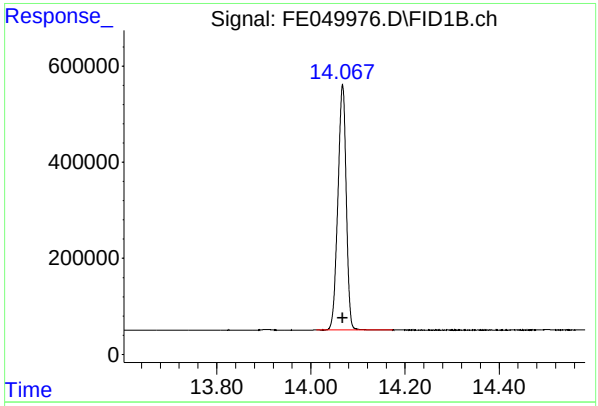
#11 n-Heneicosane (C21)

R.T.: 13.481 min
Delta R.T.: 0.000 min
Response: 6354721
Conc: 50.13 ug/ml



#12 1-chlorooctadecane (SURR)

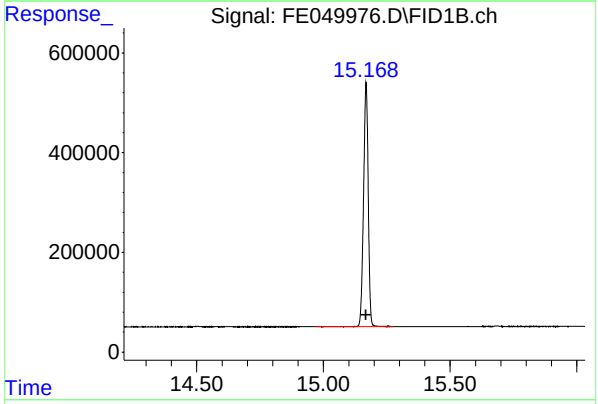
R.T.: 13.315 min
Delta R.T.: 0.000 min
Response: 5486804
Conc: 50.15 ug/ml



#13 n-Docosane (C22)

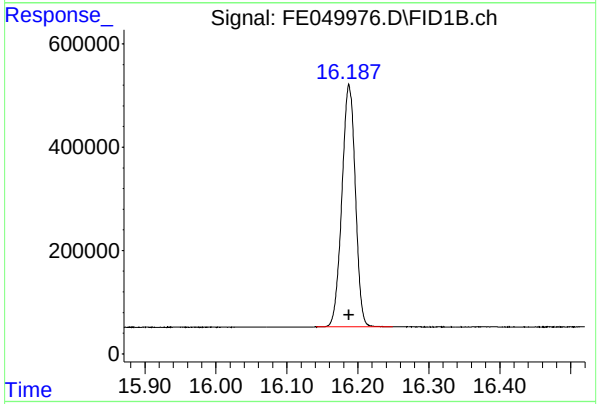
R.T.: 14.067 min
Delta R.T.: 0.000 min
Response: 6285085
Conc: 50.05 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



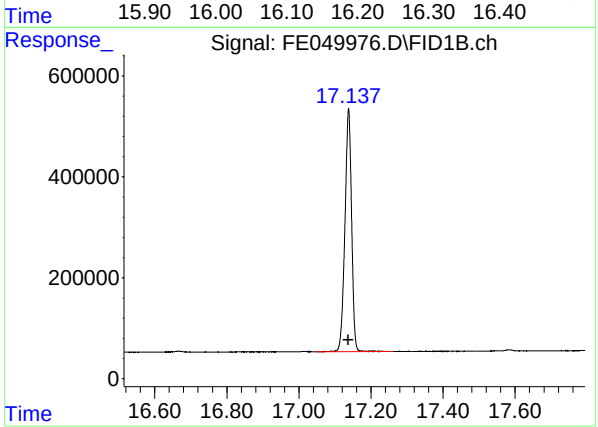
#14 n-Tetracosane (C24)

R.T.: 15.168 min
Delta R.T.: 0.000 min
Response: 6253768
Conc: 49.98 ug/ml



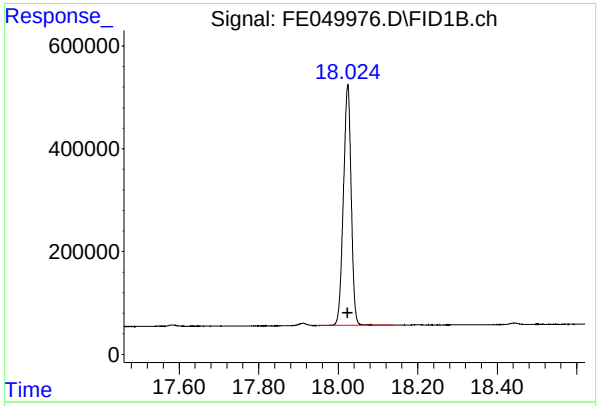
#15 n-Hexacosane (C26)

R.T.: 16.188 min
Delta R.T.: 0.000 min
Response: 6172556
Conc: 50.07 ug/ml



#16 n-Octacosane (C28)

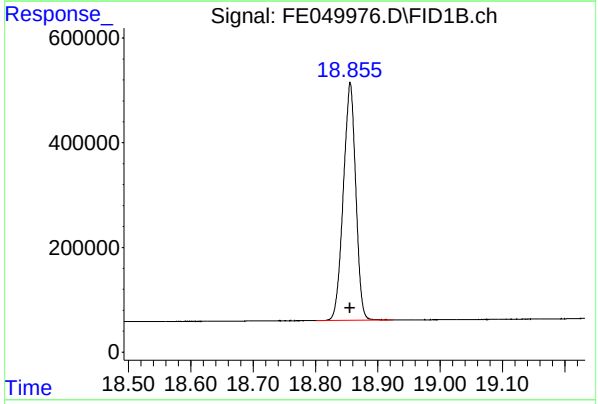
R.T.: 17.138 min
Delta R.T.: 0.000 min
Response: 6177715
Conc: 50.13 ug/ml



#17 n-Tricontane (C30)

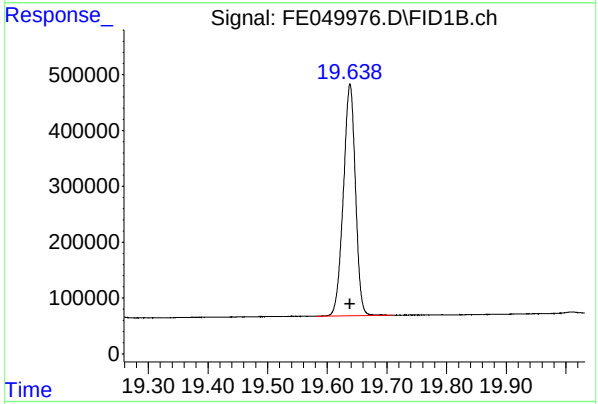
R.T.: 18.024 min
Delta R.T.: 0.000 min
Response: 6354286
Conc: 50.07 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



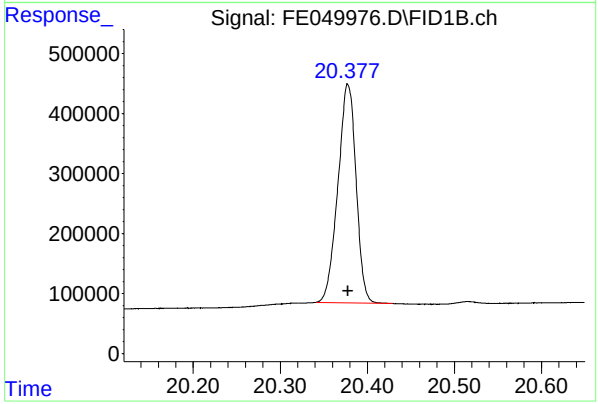
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: 0.000 min
Response: 6288177
Conc: 49.95 ug/ml



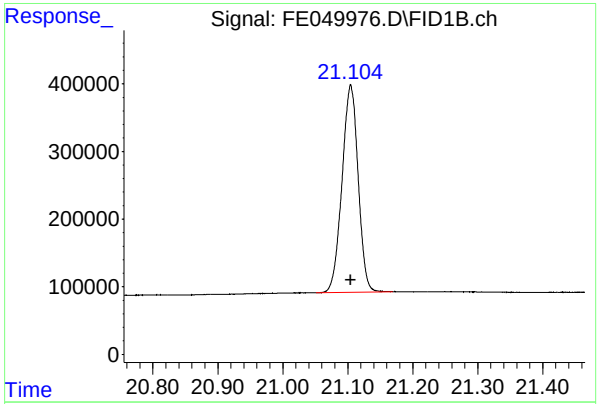
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 5841480
Conc: 49.88 ug/ml



#20 n-Hexatriacontane (C36)

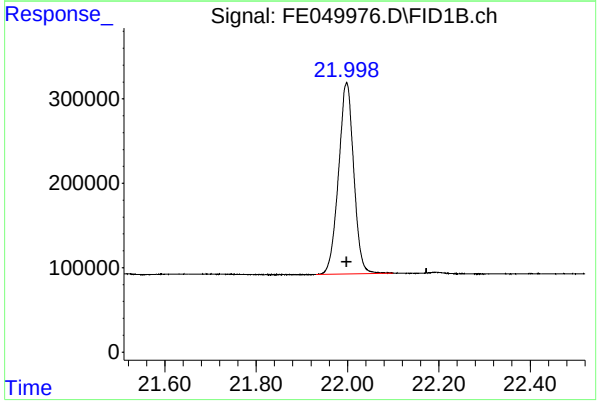
R.T.: 20.378 min
Delta R.T.: 0.000 min
Response: 5286964
Conc: 49.91 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.104 min
Delta R.T.: 0.000 min
Response: 5289296
Conc: 49.93 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: 0.000 min
Response: 5241620
Conc: 50.14 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049976.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 15:15
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.267	3.241	3.339	BBA	670225	6591771	91.85%	4.755%
2	4.518	4.448	4.628	BB	681584	6718835	93.62%	4.847%
3	6.226	6.168	6.464	BB	689581	7037063	98.05%	5.076%
4	6.686	6.651	6.799	BBA	677539	6756430	94.14%	4.874%
5	7.323	7.288	7.501	PV	619293	6616835	92.19%	4.773%
6	8.514	8.471	8.579	BBA	634065	6633277	92.42%	4.785%
7	10.120	10.079	10.201	PBA	630736	6790339	94.61%	4.898%
8	11.562	11.519	11.641	PBA	591353	6799156	94.73%	4.905%
9	11.881	11.851	11.998	BB	651826	7177033	100.00%	5.177%
10	12.870	12.831	12.951	BB	549199	6472873	90.19%	4.669%
11	13.315	13.248	13.404	BV	453260	5486804	76.45%	3.958%
12	13.481	13.442	13.584	VB	537133	6354721	88.54%	4.584%
13	14.067	14.011	14.174	BB	511952	6285085	87.57%	4.534%
14	15.168	14.971	15.274	BB	487808	6253768	87.14%	4.511%
15	16.188	16.141	16.249	BBA	467297	6172556	86.00%	4.453%
16	17.138	17.048	17.261	BB	481441	6177715	86.08%	4.456%
17	18.024	17.944	18.138	VB	469234	6354286	88.54%	4.584%
18	18.856	18.801	18.924	BB	450152	6288177	87.62%	4.536%
19	19.638	19.581	19.710	BB	414627	5841480	81.39%	4.214%
20	20.378	20.341	20.429	BBA	365150	5286964	73.67%	3.814%
21	21.104	21.051	21.169	BBA	306494	5289296	73.70%	3.816%
22	21.998	21.931	22.099	BBA	226551	5241620	73.03%	3.781%

Sum of corrected areas: 138626082

Aliphatic EPH 091024.M Tue Sep 10 01:35:06 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049977.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 15:45
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 09 16:11:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:11:00 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)	11.878	2895938	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	13.313	2203444	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.266	2654910	20.000 ug/ml
2)	T n-Decane (C10)	4.517	2699899	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.226	2766496	20.000 ug/ml
4)	T n-Dodecane (C12)	6.684	2710995	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.322	2595808	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.511	2663946	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.118	2719618	20.000 ug/ml
8)	T n-Octadecane (C18)	11.560	2732879	20.000 ug/ml
10)	T n-Eicosane (C20)	12.868	2616156	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.479	2565250	20.000 ug/ml
13)	T n-Docosane (C22)	14.065	2543039	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.166	2538933	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.185	2495125	20.000 ug/ml
16)	T n-Octacosane (C28)	17.134	2498769	20.000 ug/ml
17)	T n-Tricontane (C30)	18.021	2577973	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.853	2567596	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.636	2391157	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.375	2133262	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.101	2152753	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.994	2130324	20.000 ug/ml

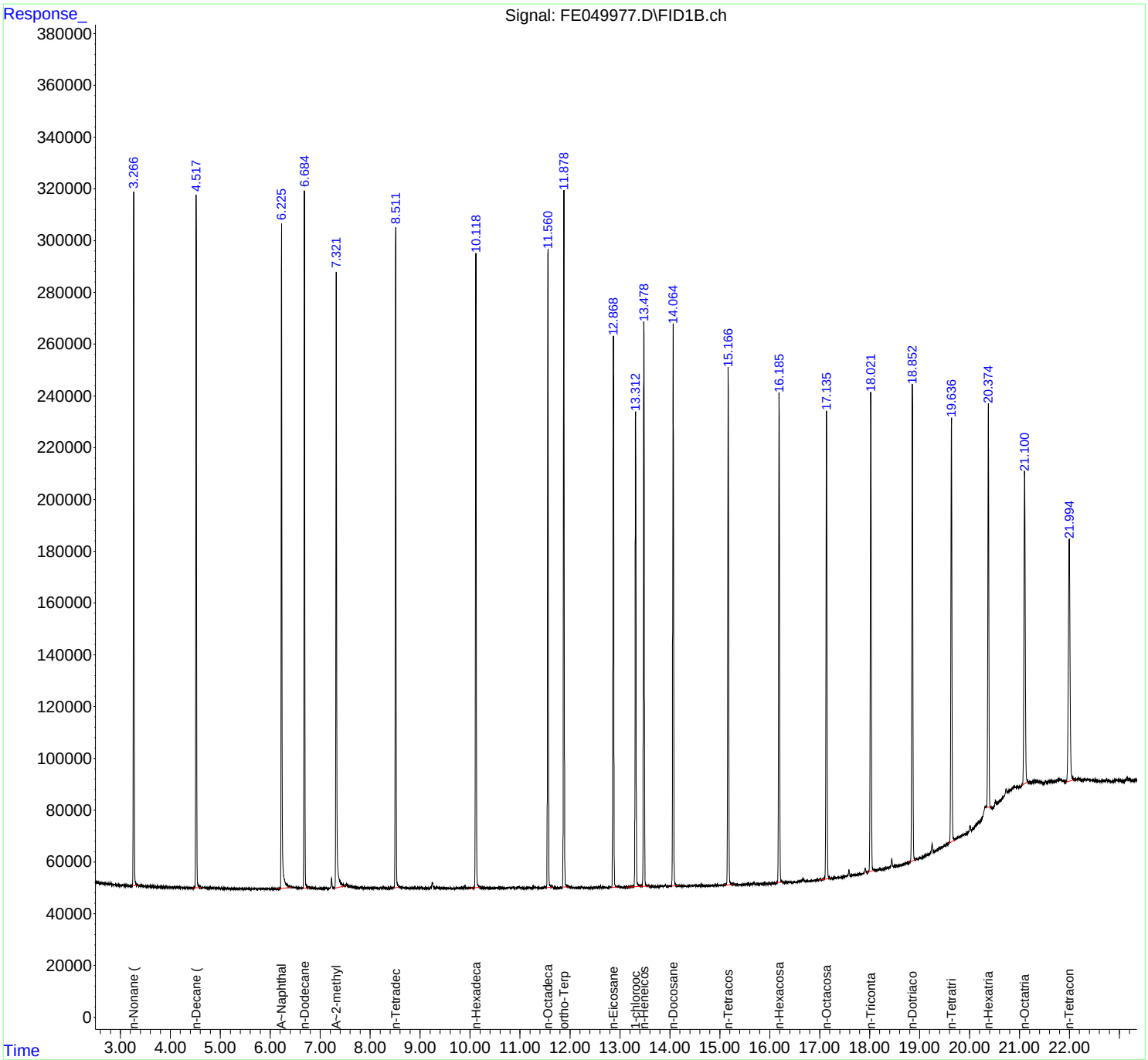
(f)=RT Delta > 1/2 Window (m)=manual int.

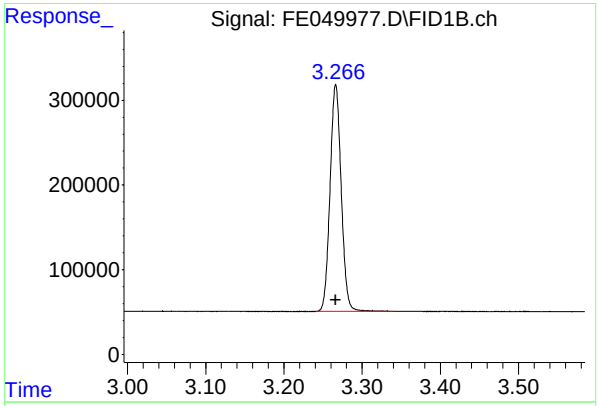
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049977.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 15:45
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 09 16:11:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:11:00 2024
Response via : Initial Calibration
Integrator: ChemStation

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

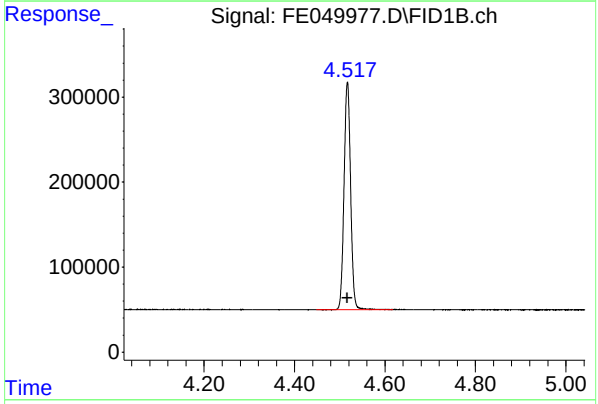




#1 n-Nonane (C9)

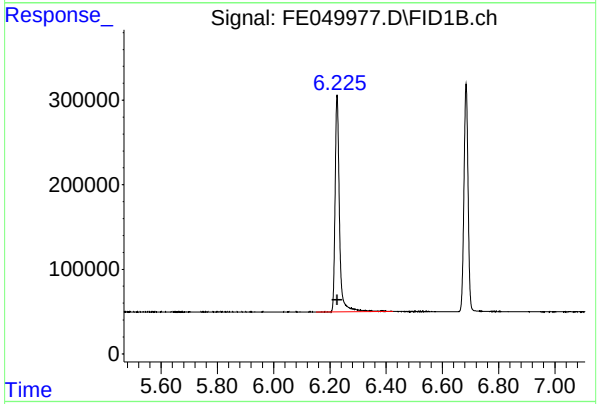
R.T.: 3.266 min
Delta R.T.: 0.000 min
Response: 2654910
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



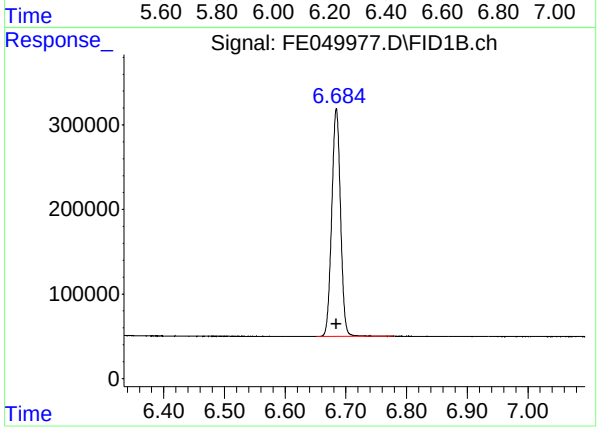
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 2699899
Conc: 20.00 ug/ml



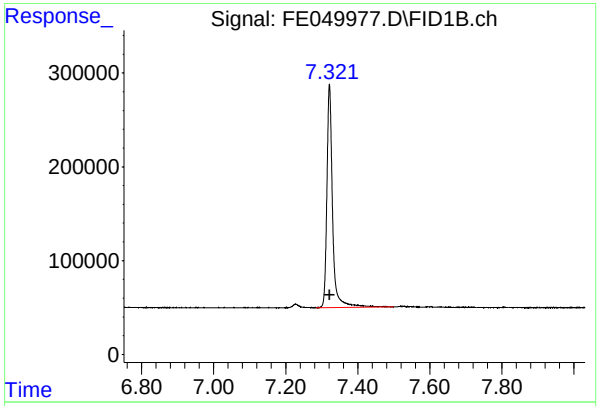
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: 0.000 min
Response: 2766496
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

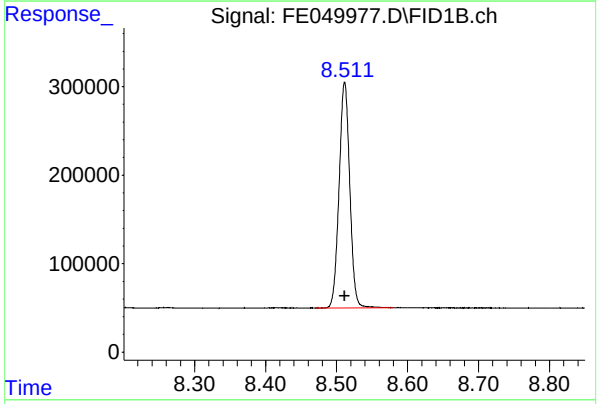
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 2710995
Conc: 20.00 ug/ml



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

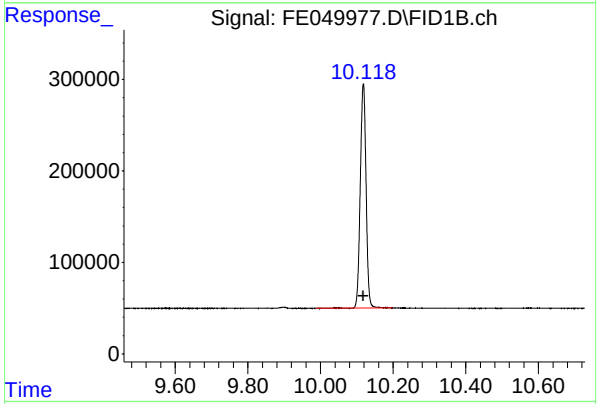
R.T.: 7.322 min
Delta R.T.: 0.000 min
Response: 2595808
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



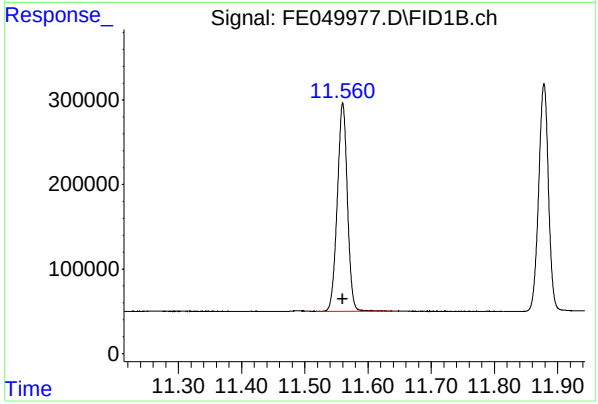
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 2663946
Conc: 20.00 ug/ml



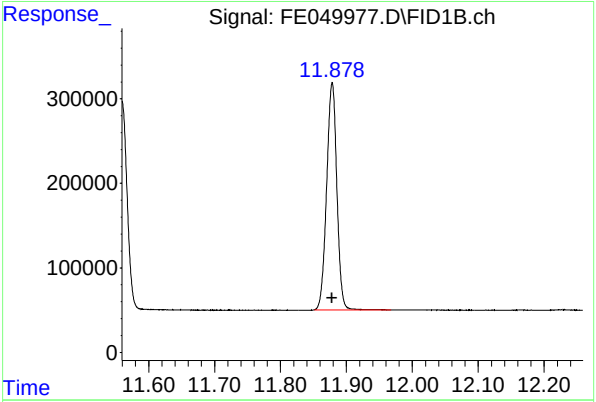
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: 0.000 min
Response: 2719618
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

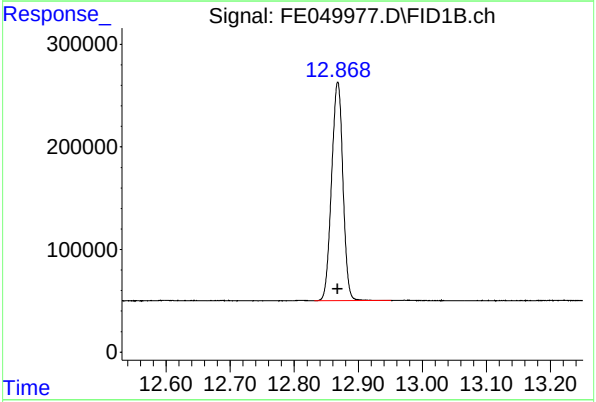
R.T.: 11.560 min
Delta R.T.: 0.000 min
Response: 2732879
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

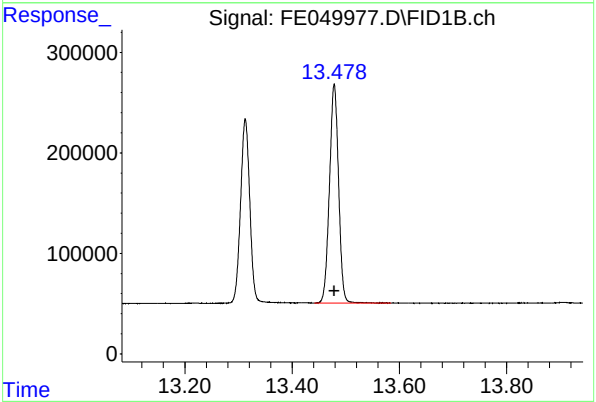
R.T.: 11.878 min
Delta R.T.: 0.000 min
Response: 2895938
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



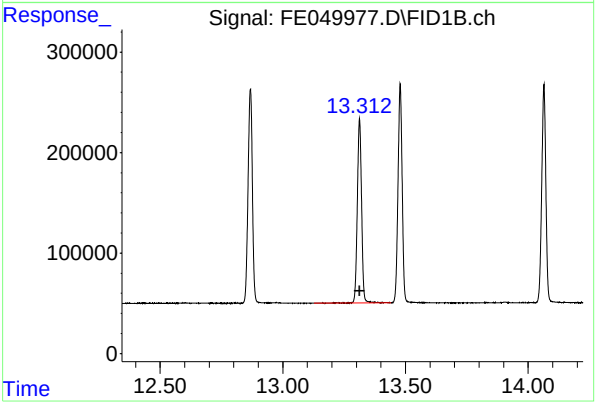
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: 0.000 min
Response: 2616156
Conc: 20.00 ug/ml



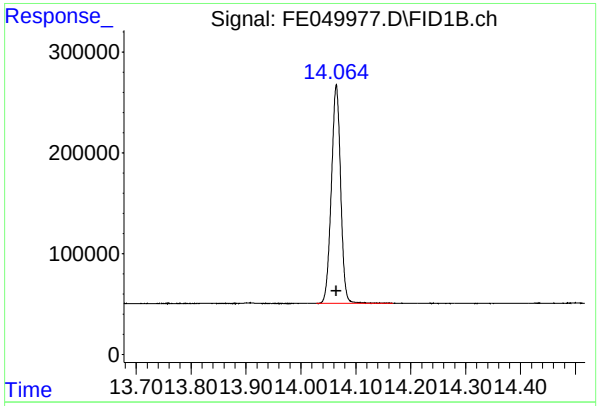
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: 0.000 min
Response: 2565250
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

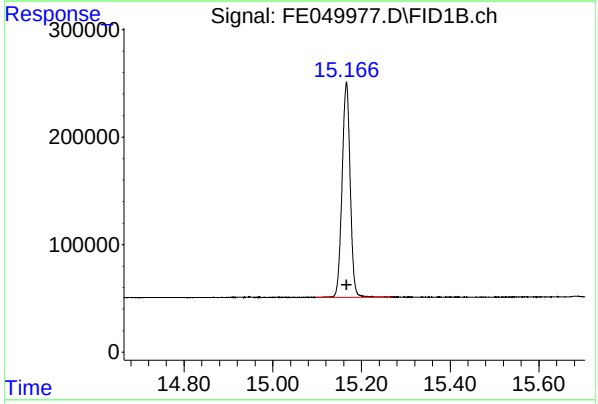
R.T.: 13.313 min
Delta R.T.: 0.000 min
Response: 2203444
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

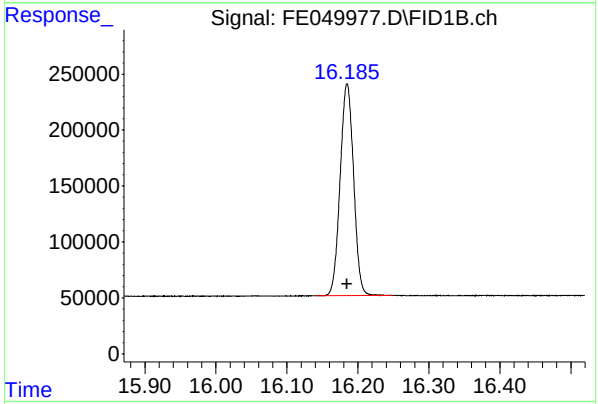
R.T.: 14.065 min
Delta R.T.: 0.000 min
Response: 2543039
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



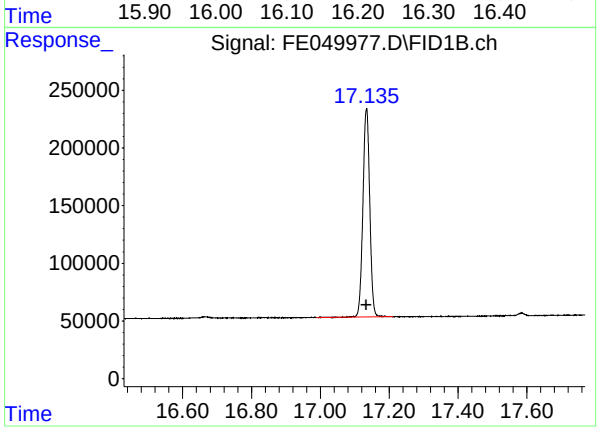
#14 n-Tetracosane (C24)

R.T.: 15.166 min
Delta R.T.: 0.000 min
Response: 2538933
Conc: 20.00 ug/ml



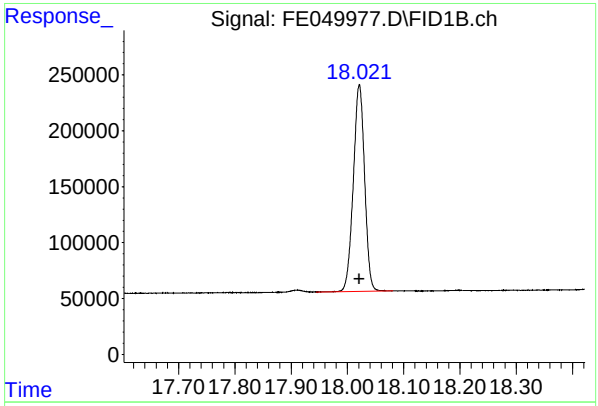
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: 0.000 min
Response: 2495125
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

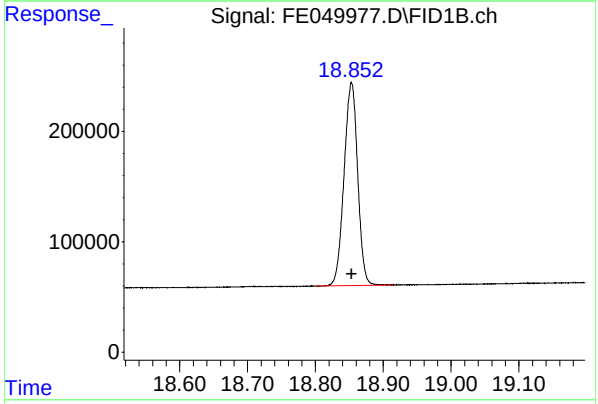
R.T.: 17.134 min
Delta R.T.: 0.000 min
Response: 2498769
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

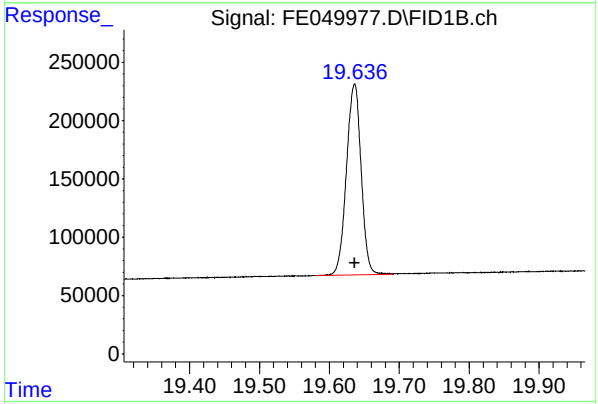
R.T.: 18.021 min
Delta R.T.: 0.000 min
Response: 2577973
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



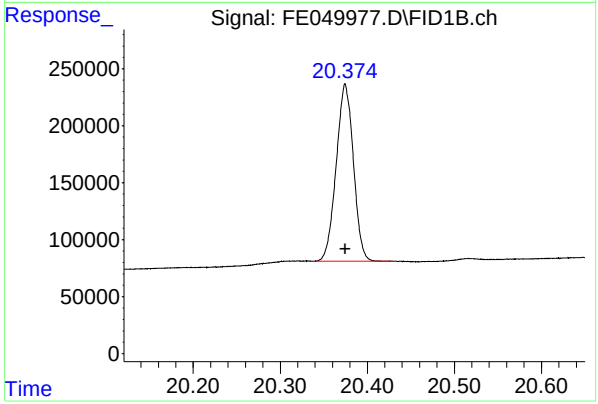
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: 0.000 min
Response: 2567596
Conc: 20.00 ug/ml



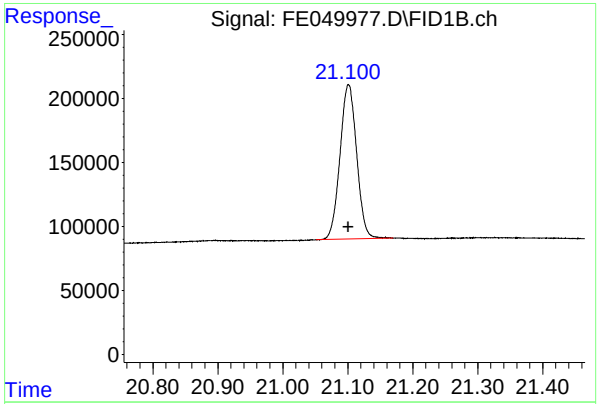
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: 0.000 min
Response: 2391157
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

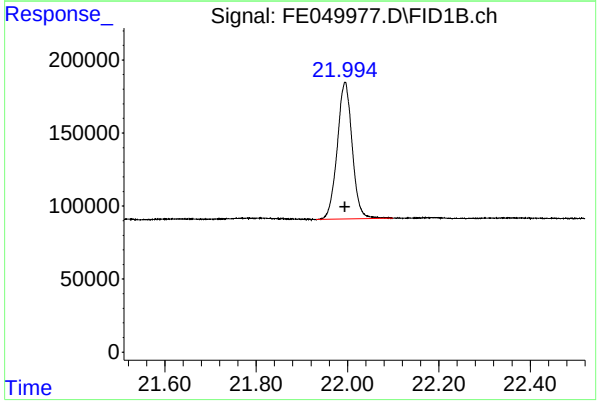
R.T.: 20.375 min
Delta R.T.: 0.000 min
Response: 2133262
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: 0.000 min
Response: 2152753
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: 0.000 min
Response: 2130324
Conc: 20.00 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049977.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 15:45
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.266	3.241	3.339	BBA	266374	2654910	91.68%	4.753%
2	4.517	4.448	4.618	BB	268128	2699899	93.23%	4.834%
3	6.226	6.151	6.424	BB	255781	2766496	95.53%	4.953%
4	6.684	6.651	6.778	BB	269133	2710995	93.61%	4.854%
5	7.322	7.284	7.498	PV	237590	2595808	89.64%	4.647%
6	8.511	8.471	8.579	BBA	254897	2663946	91.99%	4.769%
7	10.118	9.988	10.199	BBA	245737	2719618	93.91%	4.869%
8	11.560	11.518	11.639	BBA	246308	2732879	94.37%	4.893%
9	11.878	11.851	11.968	BB	268356	2895938	100.00%	5.185%
10	12.868	12.831	12.951	BV	213473	2616156	90.34%	4.684%
11	13.313	13.128	13.441	BB	182669	2203444	76.09%	3.945%
12	13.479	13.441	13.584	BB	217288	2565250	88.58%	4.593%
13	14.065	14.028	14.168	BB	216413	2543039	87.81%	4.553%
14	15.166	15.098	15.271	BB	197659	2538933	87.67%	4.546%
15	16.185	16.141	16.249	BBA	189540	2495125	86.16%	4.467%
16	17.134	16.988	17.211	BB	180954	2498769	86.29%	4.474%
17	18.021	17.944	18.081	PB	184791	2577973	89.02%	4.616%
18	18.853	18.801	18.914	BB	184319	2567596	88.66%	4.597%
19	19.636	19.581	19.691	BV	163326	2391157	82.57%	4.281%
20	20.375	20.341	20.429	BBA	155020	2133262	73.66%	3.819%
21	21.101	21.051	21.169	BBA	120868	2152753	74.34%	3.854%
22	21.994	21.931	22.099	BBA	93698	2130324	73.56%	3.814%
			Sum of corrected areas:			55854270		

Aliphatic EPH 091024.M Tue Sep 10 01:35:31 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049978.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 16:16
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 09 16:47:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:47:41 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)	11.877	1529745	10.505 ug/ml
Spiked Amount	50.000		Recovery =	21.01%
12)	S 1-chlorooctadecane (S...	13.312	1138596	10.302 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
	Target Compounds			
1)	T n-Nonane (C9)	3.266	1379517	10.384 ug/ml
2)	T n-Decane (C10)	4.516	1405573	10.387 ug/ml
3)	T A~Naphthalene (C11.7)	6.226	1397049	10.021 ug/ml
4)	T n-Dodecane (C12)	6.684	1408364	10.368 ug/ml
5)	T A~2-methylnaphthalene...	7.322	1305462	9.957 ug/ml
6)	T n-Tetradecane (C14)	8.510	1386403	10.383 ug/ml
7)	T n-Hexadecane (C16)	10.117	1419476	10.391 ug/ml
8)	T n-Octadecane (C18)	11.558	1437108	10.460 ug/ml
10)	T n-Eicosane (C20)	12.867	1380445	10.508 ug/ml
11)	T n-Heneicosane (C21)	13.477	1347634	10.465 ug/ml
13)	T n-Docosane (C22)	14.063	1337969	10.484 ug/ml
14)	T n-Tetracosane (C24)	15.165	1339222	10.519 ug/ml
15)	T n-Hexacosane (C26)	16.184	1313673	10.485 ug/ml
16)	T n-Octacosane (C28)	17.132	1320844	10.529 ug/ml
17)	T n-Tricontane (C30)	18.021	1381343	10.650 ug/ml
18)	T n-Dotriacontane (C32)	18.852	1375776	10.681 ug/ml
19)	T n-Tetratriacontane (C34)	19.635	1269997	10.621 ug/ml
20)	T n-Hexatriacontane (C36)	20.375	1131419	10.502 ug/ml
21)	T n-Octatriacontane (C38)	21.101	1126344	10.467 ug/ml
22)	T n-Tetracontane (C40)	21.992	1129689	10.592 ug/ml

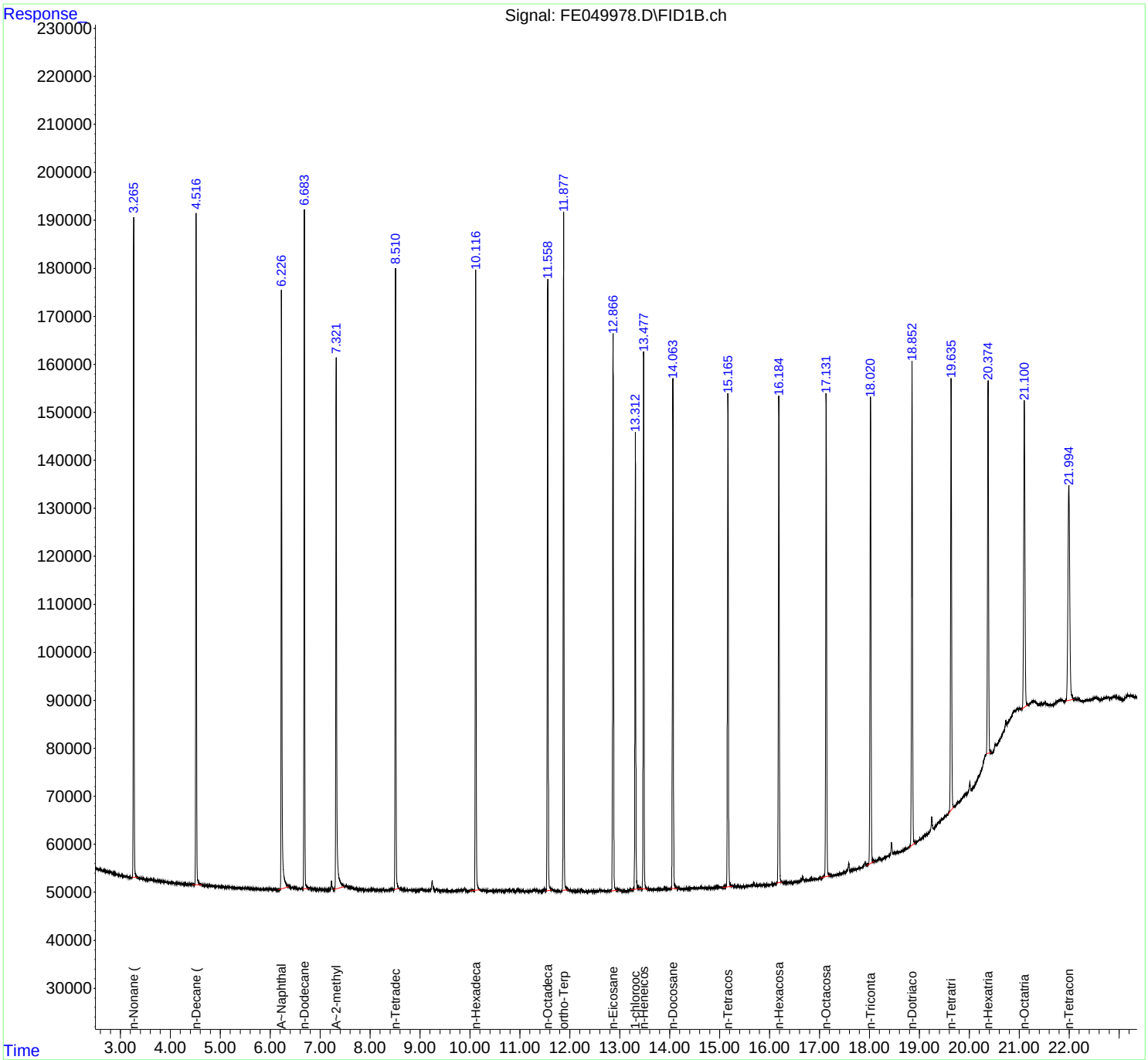
(f)=RT Delta > 1/2 Window (m)=manual int.

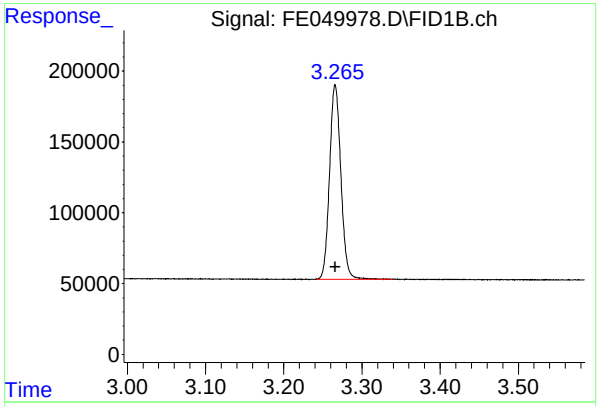
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049978.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 16:16
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 09 16:47:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 16:47:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

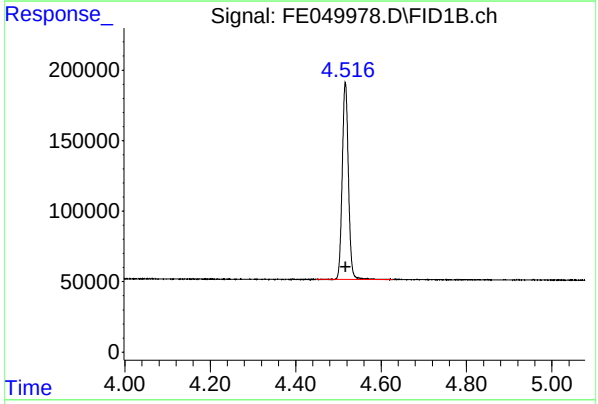




#1 n-Nonane (C9)

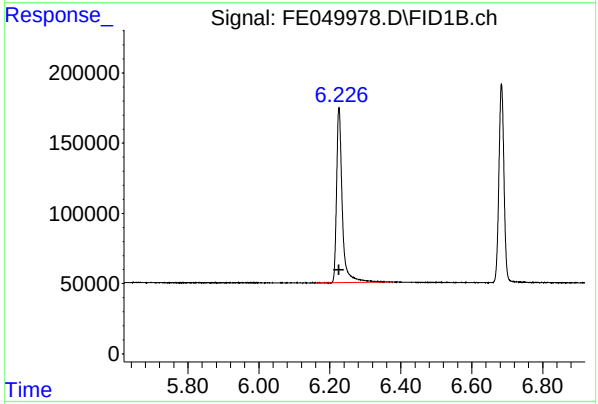
R.T.: 3.266 min
Delta R.T.: 0.000 min
Response: 1379517
Conc: 10.38 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



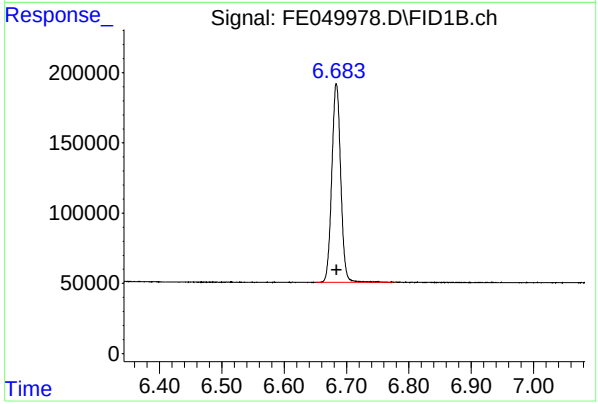
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 1405573
Conc: 10.39 ug/ml



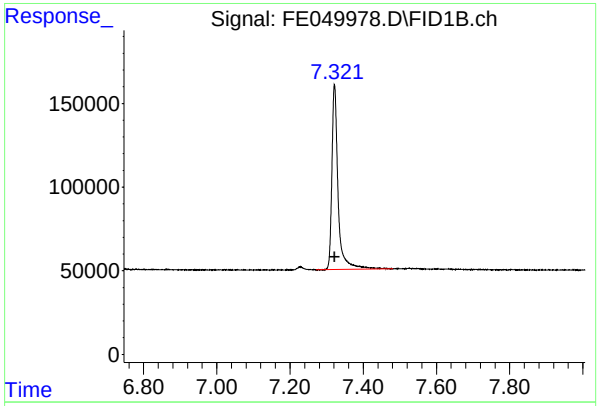
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: 0.000 min
Response: 1397049
Conc: 10.02 ug/ml



#4 n-Dodecane (C12)

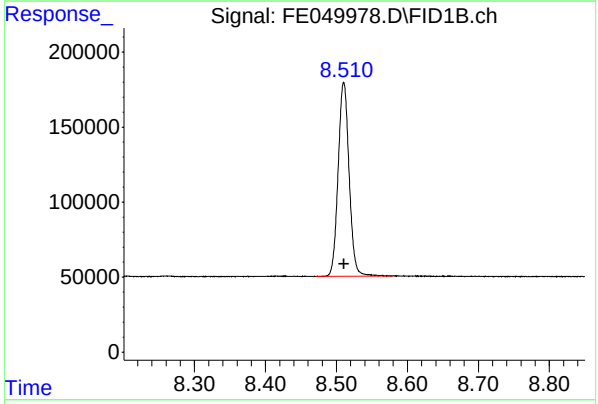
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 1408364
Conc: 10.37 ug/ml



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

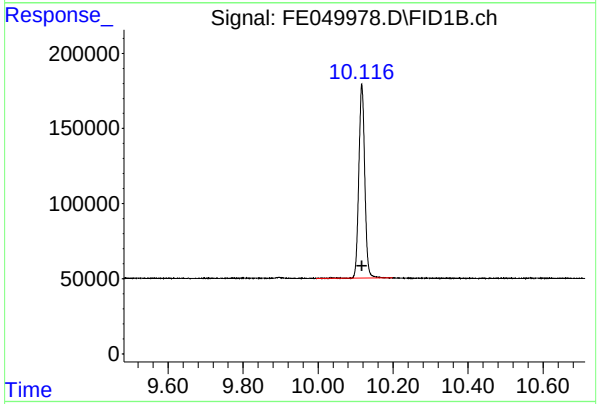
R.T.: 7.322 min
Delta R.T.: 0.000 min
Response: 1305462
Conc: 9.96 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



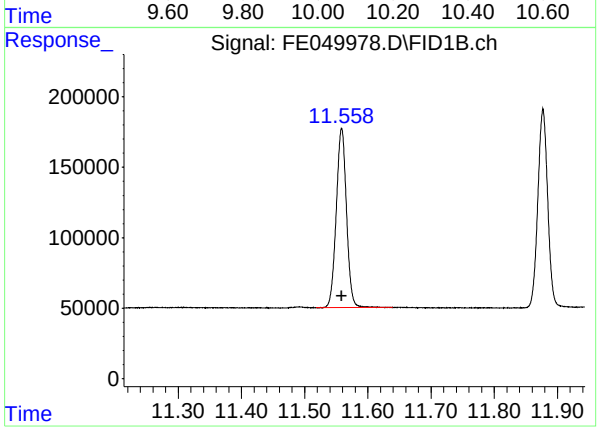
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 1386403
Conc: 10.38 ug/ml



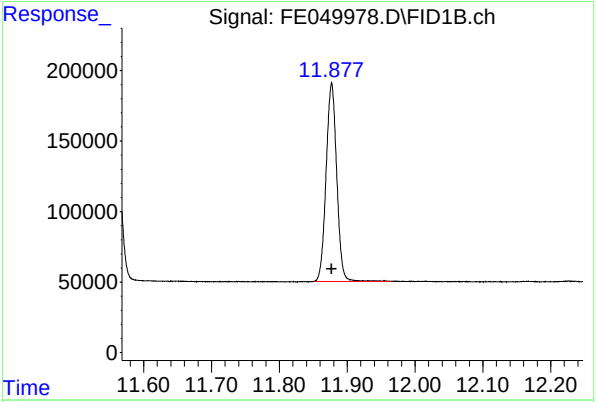
#7 n-Hexadecane (C16)

R.T.: 10.117 min
Delta R.T.: 0.000 min
Response: 1419476
Conc: 10.39 ug/ml



#8 n-Octadecane (C18)

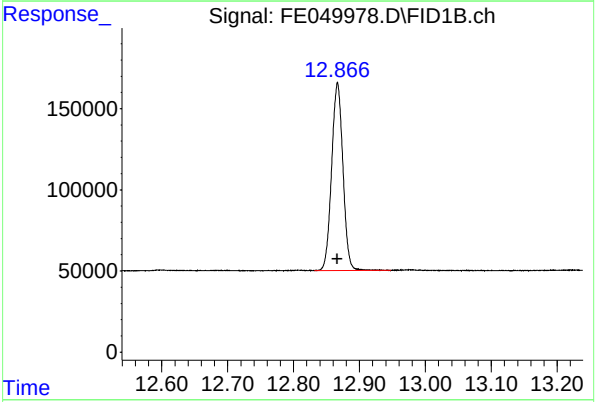
R.T.: 11.558 min
Delta R.T.: 0.000 min
Response: 1437108
Conc: 10.46 ug/ml



#9 ortho-Terphenyl (SURR)

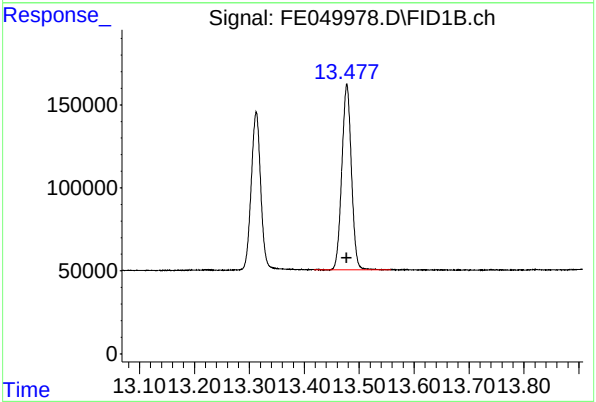
R.T.: 11.877 min
Delta R.T.: 0.000 min
Response: 1529745
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



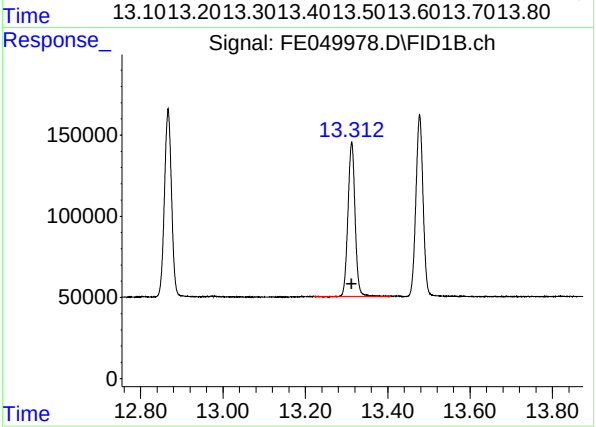
#10 n-Eicosane (C20)

R.T.: 12.867 min
Delta R.T.: 0.000 min
Response: 1380445
Conc: 10.51 ug/ml



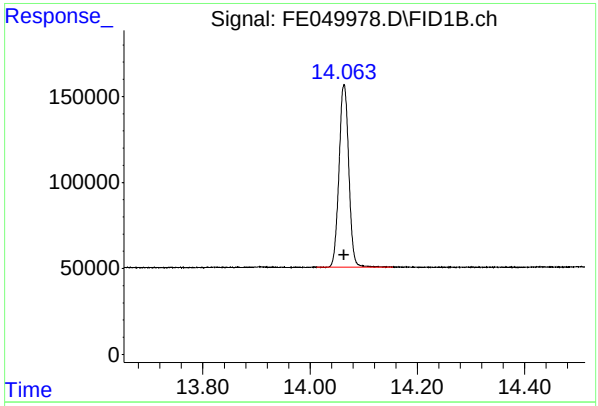
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: 0.000 min
Response: 1347634
Conc: 10.47 ug/ml



#12 1-chlorooctadecane (SURR)

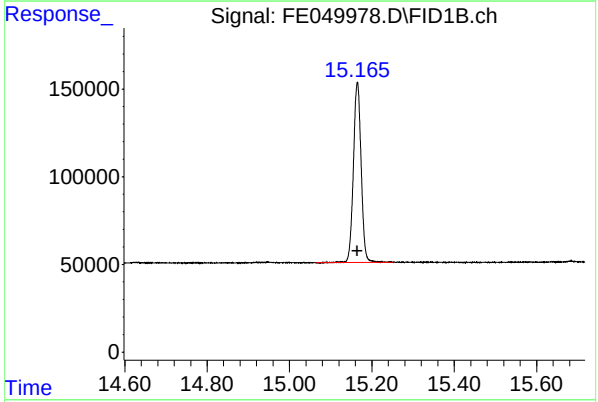
R.T.: 13.312 min
Delta R.T.: 0.000 min
Response: 1138596
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

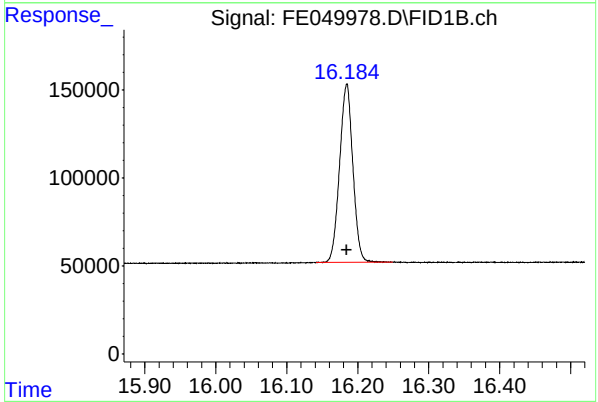
R.T.: 14.063 min
Delta R.T.: 0.000 min
Response: 1337969
Conc: 10.48 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



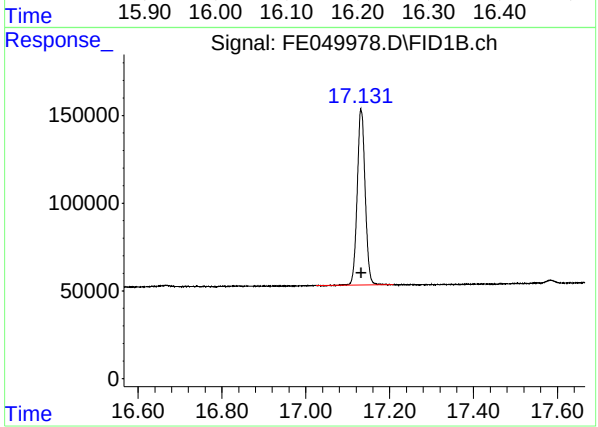
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: 0.000 min
Response: 1339222
Conc: 10.52 ug/ml



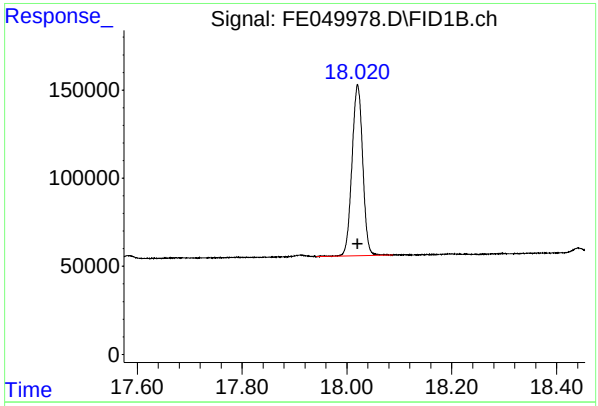
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: 0.000 min
Response: 1313673
Conc: 10.48 ug/ml



#16 n-Octacosane (C28)

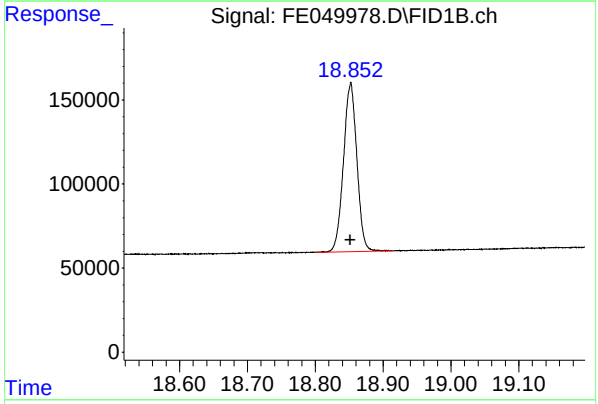
R.T.: 17.132 min
Delta R.T.: 0.000 min
Response: 1320844
Conc: 10.53 ug/ml



#17 n-Tricontane (C30)

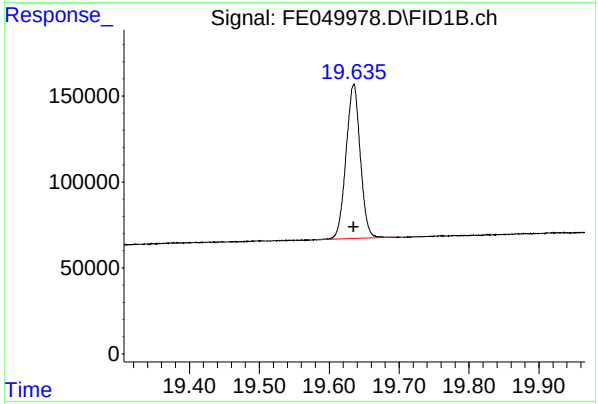
R.T.: 18.021 min
Delta R.T.: 0.000 min
Response: 1381343
Conc: 10.65 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



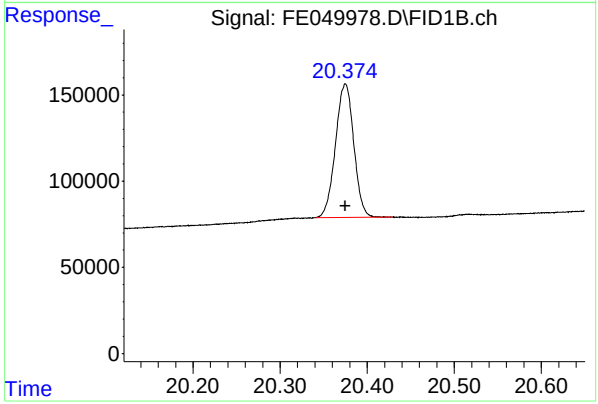
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: 0.000 min
Response: 1375776
Conc: 10.68 ug/ml



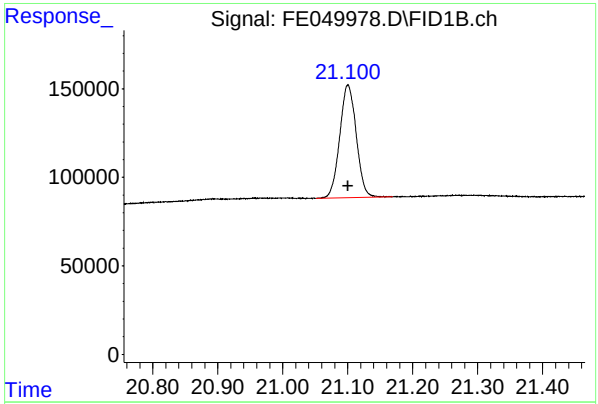
#19 n-Tetratriacontane (C34)

R.T.: 19.635 min
Delta R.T.: 0.000 min
Response: 1269997
Conc: 10.62 ug/ml



#20 n-Hexatriacontane (C36)

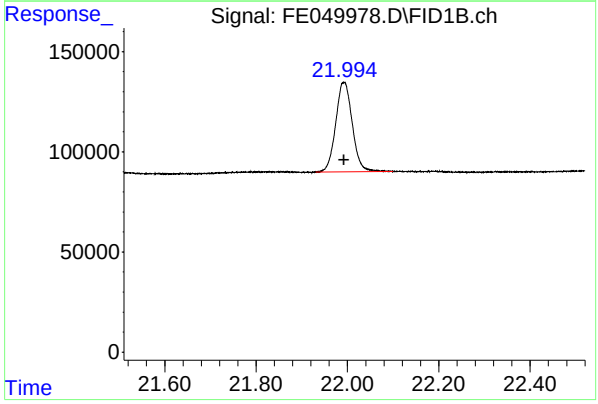
R.T.: 20.375 min
Delta R.T.: 0.000 min
Response: 1131419
Conc: 10.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: 0.000 min
Response: 1126344
Conc: 10.47 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: 0.000 min
Response: 1129689
Conc: 10.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049978.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 16:16
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.266	3.241	3.340	BBA	137102	1379517	90.18%	4.714%
2	4.516	4.448	4.628	BB	139246	1405573	91.88%	4.803%
3	6.226	6.161	6.378	BB	124889	1397049	91.33%	4.774%
4	6.684	6.651	6.775	BB	141452	1408364	92.07%	4.813%
5	7.322	7.271	7.481	BB	110765	1305462	85.34%	4.461%
6	8.510	8.471	8.580	BBA	129335	1386403	90.63%	4.738%
7	10.117	9.995	10.200	BBA	127843	1419476	92.79%	4.851%
8	11.558	11.518	11.640	BBA	127094	1437108	93.94%	4.911%
9	11.877	11.851	11.965	BB	140491	1529745	100.00%	5.228%
10	12.867	12.831	12.948	BV	115391	1380445	90.24%	4.718%
11	13.312	13.221	13.408	BB	94372	1138596	74.43%	3.891%
12	13.478	13.418	13.558	BB	111768	1347634	88.10%	4.605%
13	14.063	14.011	14.155	BB	106115	1337969	87.46%	4.572%
14	15.165	15.065	15.251	BB	102700	1339222	87.55%	4.577%
15	16.184	16.141	16.250	BBA	101454	1313673	85.88%	4.489%
16	17.132	17.025	17.208	BB	100621	1320844	86.34%	4.514%
17	18.021	17.941	18.088	PB	96857	1381343	90.30%	4.721%
18	18.852	18.801	18.915	BB	99204	1375776	89.93%	4.702%
19	19.635	19.581	19.691	BB	89682	1269997	83.02%	4.340%
20	20.375	20.341	20.430	BBA	77258	1131419	73.96%	3.867%
21	21.101	21.051	21.170	BBA	63629	1126344	73.63%	3.849%
22	21.992	21.931	22.100	BBA	44720	1129689	73.85%	3.861%
			Sum of corrected areas:			29261644		

Aliphatic EPH 091024.M Tue Sep 10 01:35:53 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049979.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 16:46
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 09 17:11:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:10:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.876	807033	5.424 ug/ml
Spiked Amount	50.000		Recovery =	10.85%
12) S	1-chlorooctadecane (S...	13.312	597820	5.322 ug/ml
Spiked Amount	50.000		Recovery =	10.64%
	Target Compounds			
1) T	n-Nonane (C9)	3.266	731632	5.398 ug/ml
2) T	n-Decane (C10)	4.517	743962	5.391 ug/ml
3) T	A~Naphthalene (C11.7)	6.227	711117	5.081 ug/ml
4) T	n-Dodecane (C12)	6.684	740413	5.354 ug/ml
5) T	A~2-methylnaphthalene...	7.323	663752	5.050 ug/ml
6) T	n-Tetradecane (C14)	8.511	733808	5.389 ug/ml
7) T	n-Hexadecane (C16)	10.117	740547	5.331 ug/ml
8) T	n-Octadecane (C18)	11.559	754652	5.386 ug/ml
10) T	n-Eicosane (C20)	12.866	726221	5.414 ug/ml
11) T	n-Heneicosane (C21)	13.477	709502	5.400 ug/ml
13) T	n-Docosane (C22)	14.063	702945	5.398 ug/ml
14) T	n-Tetracosane (C24)	15.164	718436	5.501 ug/ml
15) T	n-Hexacosane (C26)	16.184	692601	5.414 ug/ml
16) T	n-Octacosane (C28)	17.133	711169	5.521 ug/ml
17) T	n-Tricontane (C30)	18.020	748840	5.600 ug/ml
18) T	n-Dotriacontane (C32)	18.851	755185	5.667 ug/ml
19) T	n-Tetratriacontane (C34)	19.634	697486	5.645 ug/ml
20) T	n-Hexatriacontane (C36)	20.374	619117	5.580 ug/ml
21) T	n-Octatriacontane (C38)	21.101	604714	5.483 ug/ml
22) T	n-Tetracontane (C40)	21.992	587334	5.398 ug/ml

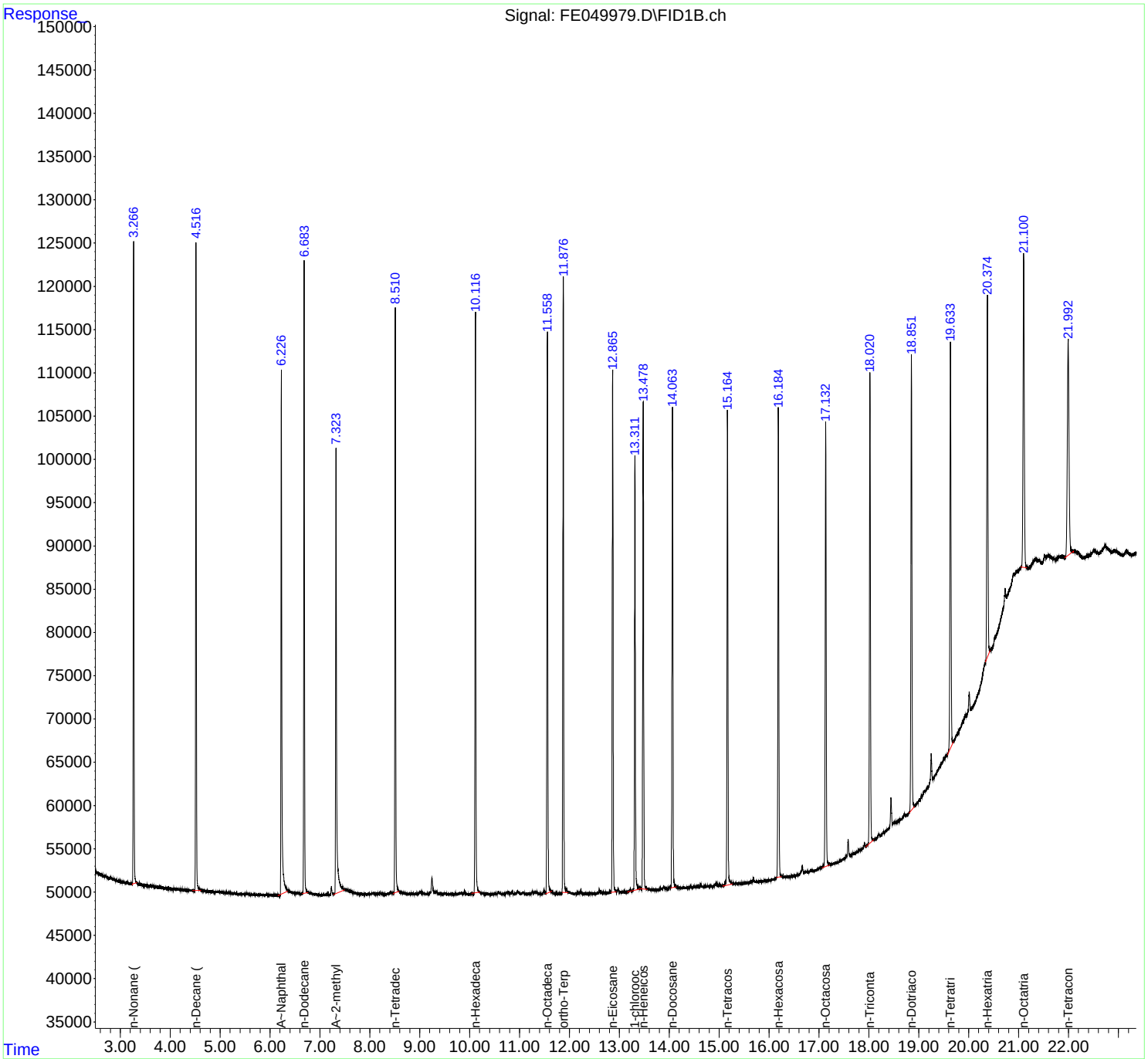
(f)=RT Delta > 1/2 Window (m)=manual int.

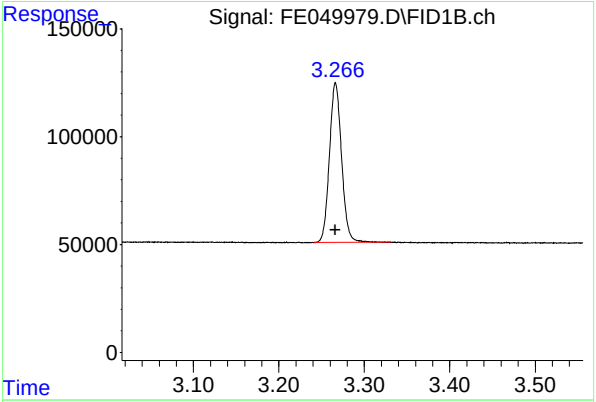
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049979.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 16:46
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 09 17:11:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:10:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

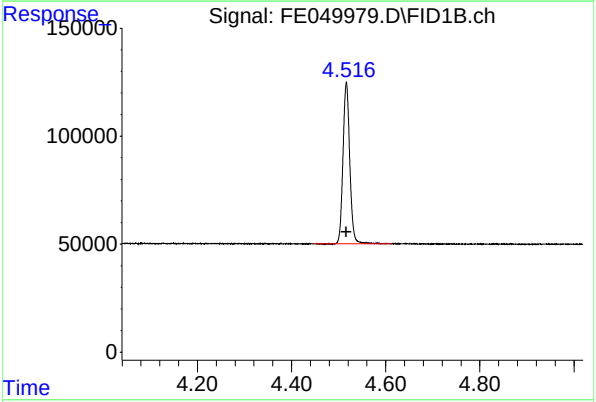




#1 n-Nonane (C9)

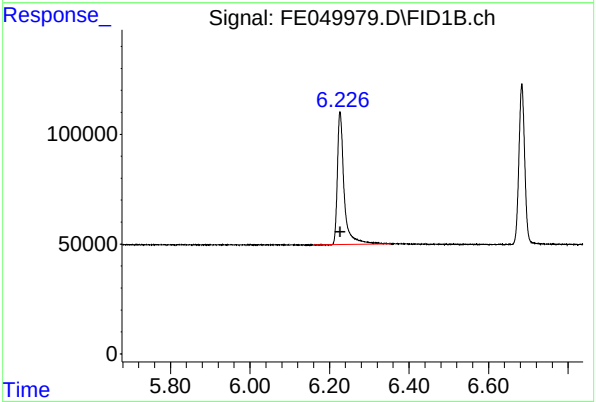
R.T.: 3.266 min
Delta R.T.: 0.000 min
Response: 731632
Conc: 5.40 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



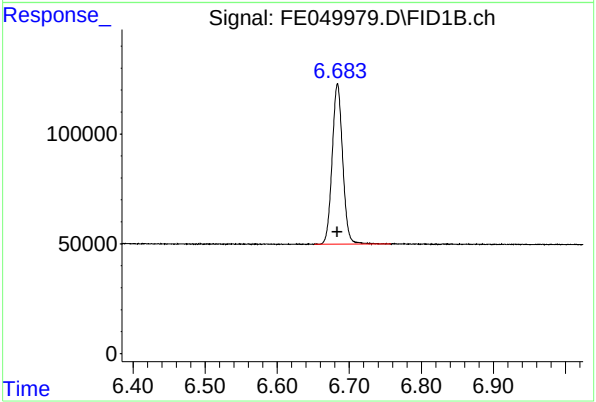
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 743962
Conc: 5.39 ug/ml



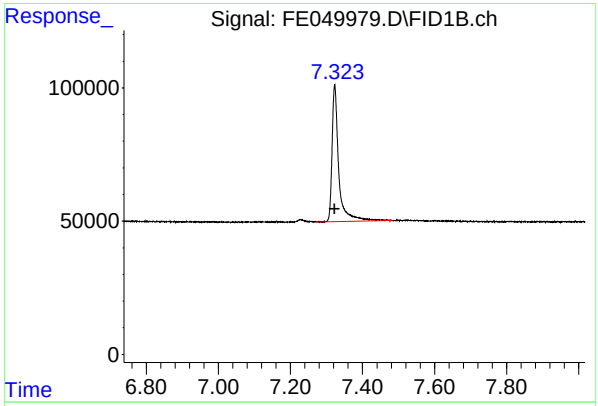
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: 0.000 min
Response: 711117
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

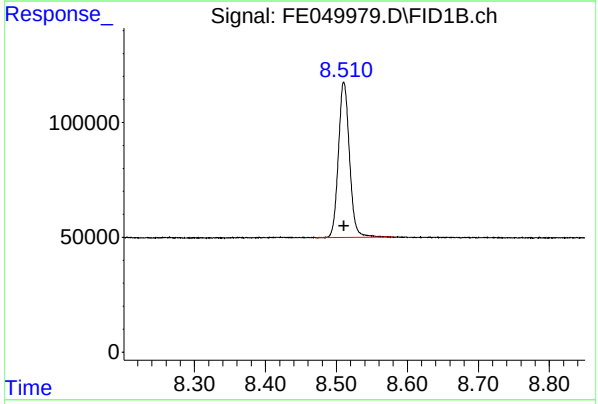
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 740413
Conc: 5.35 ug/ml



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

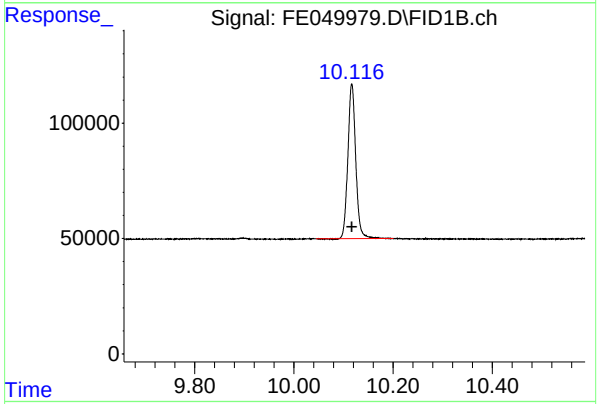
R.T.: 7.323 min
Delta R.T.: 0.000 min
Response: 663752
Conc: 5.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



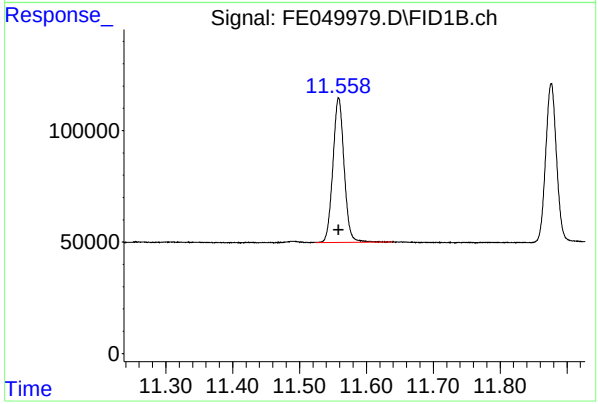
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 733808
Conc: 5.39 ug/ml



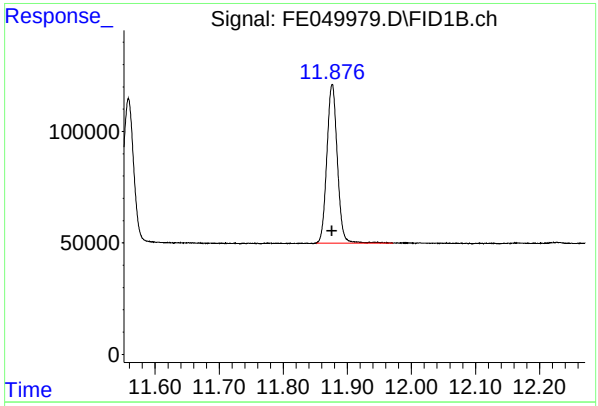
#7 n-Hexadecane (C16)

R.T.: 10.117 min
Delta R.T.: 0.000 min
Response: 740547
Conc: 5.33 ug/ml



#8 n-Octadecane (C18)

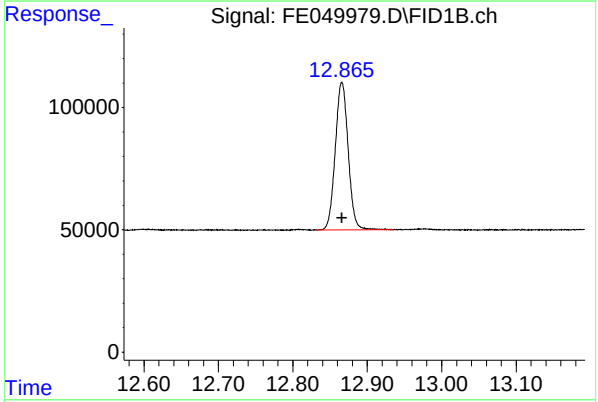
R.T.: 11.559 min
Delta R.T.: 0.000 min
Response: 754652
Conc: 5.39 ug/ml



#9 ortho-Terphenyl (SURR)

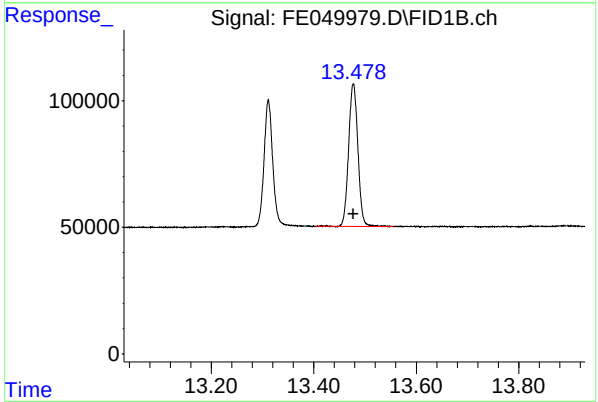
R.T.: 11.876 min
Delta R.T.: 0.000 min
Response: 807033
Conc: 5.42 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



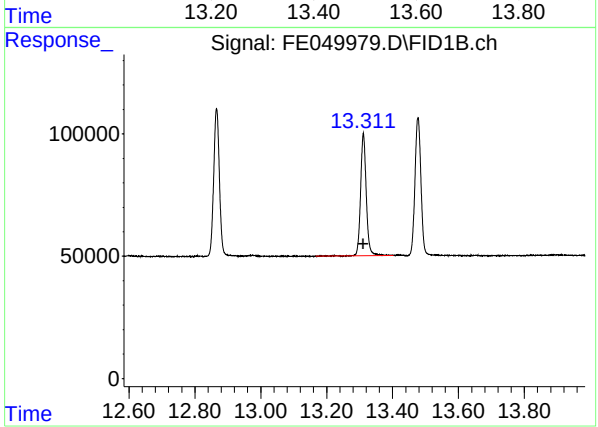
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: 0.000 min
Response: 726221
Conc: 5.41 ug/ml



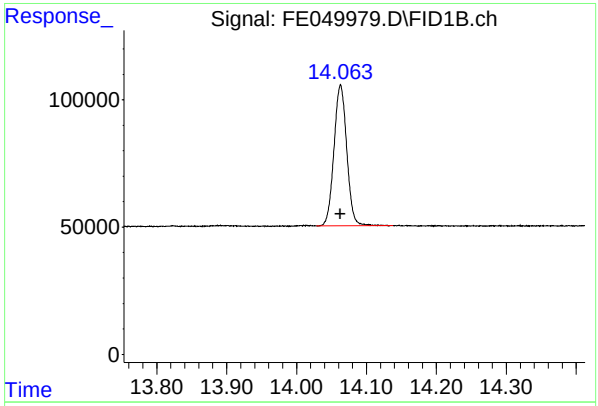
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: 0.000 min
Response: 709502
Conc: 5.40 ug/ml



#12 1-chlorooctadecane (SURR)

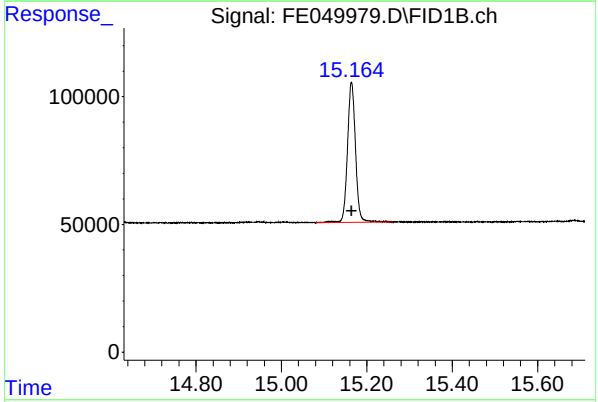
R.T.: 13.312 min
Delta R.T.: 0.000 min
Response: 597820
Conc: 5.32 ug/ml



#13 n-Docosane (C22)

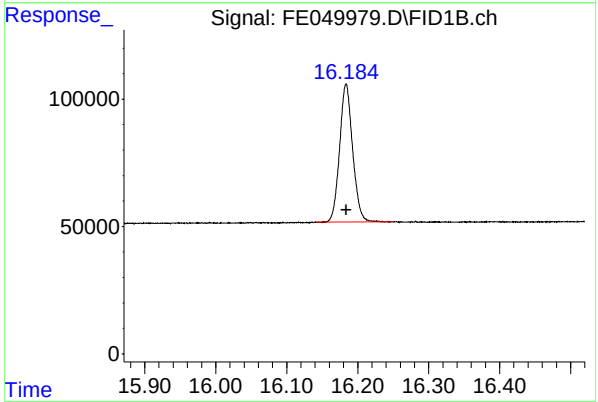
R.T.: 14.063 min
Delta R.T.: 0.000 min
Response: 702945
Conc: 5.40 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



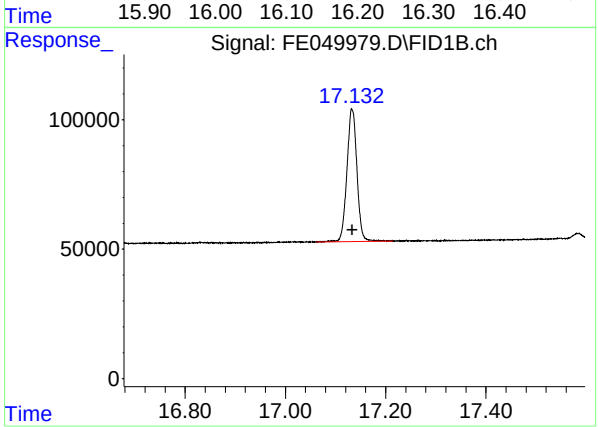
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: 0.000 min
Response: 718436
Conc: 5.50 ug/ml



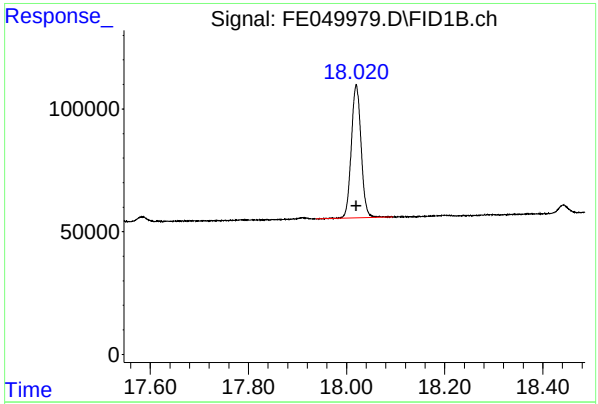
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: 0.000 min
Response: 692601
Conc: 5.41 ug/ml



#16 n-Octacosane (C28)

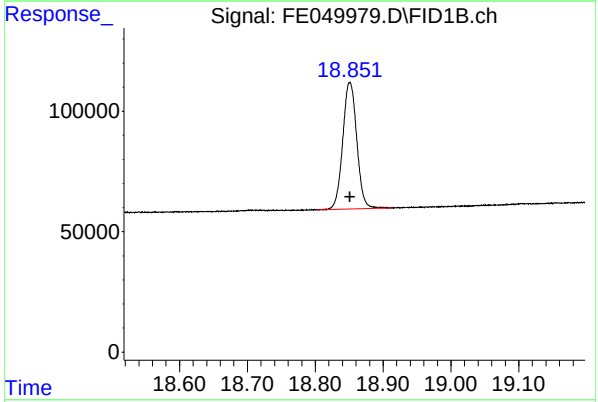
R.T.: 17.133 min
Delta R.T.: 0.000 min
Response: 711169
Conc: 5.52 ug/ml



#17 n-Tricontane (C30)

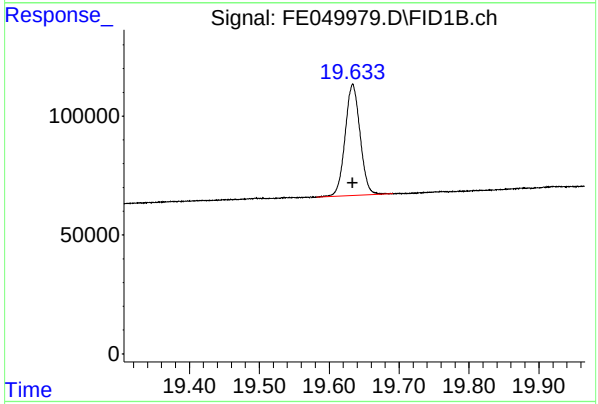
R.T.: 18.020 min
Delta R.T.: 0.000 min
Response: 748840
Conc: 5.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



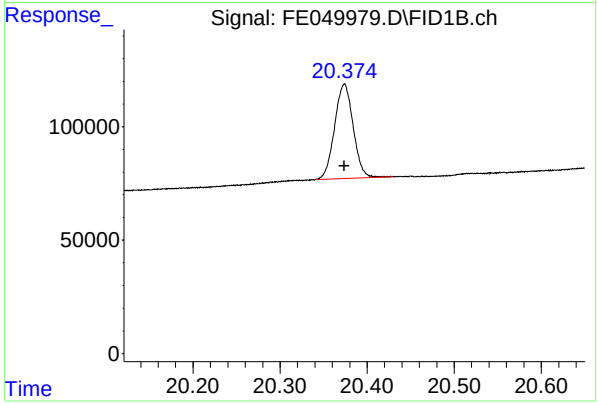
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: 0.000 min
Response: 755185
Conc: 5.67 ug/ml



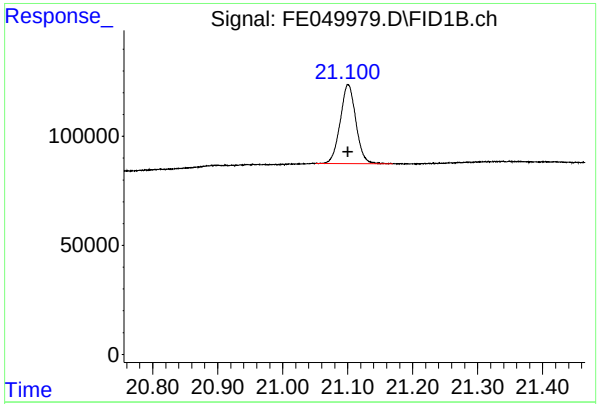
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: 0.000 min
Response: 697486
Conc: 5.64 ug/ml



#20 n-Hexatriacontane (C36)

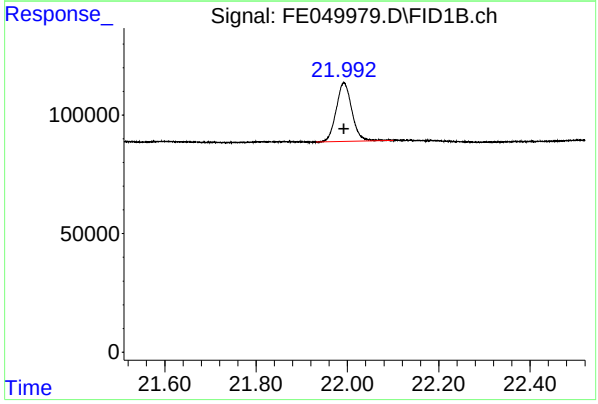
R.T.: 20.374 min
Delta R.T.: 0.000 min
Response: 619117
Conc: 5.58 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: 0.000 min
Response: 604714
Conc: 5.48 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: 0.000 min
Response: 587334
Conc: 5.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049979.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 16:46
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.266	3.241	3.331	BB	73217	731632	90.66%	4.721%
2	4.517	4.448	4.611	BB	74091	743962	92.18%	4.800%
3	6.227	6.161	6.355	BB	59432	711117	88.12%	4.588%
4	6.684	6.651	6.758	BB	72919	740413	91.75%	4.777%
5	7.323	7.271	7.485	BB	50782	663752	82.25%	4.283%
6	8.511	8.471	8.580	BBA	67407	733808	90.93%	4.735%
7	10.117	10.045	10.200	BBA	66790	740547	91.76%	4.778%
8	11.559	11.525	11.640	BBA	64753	754652	93.51%	4.869%
9	11.876	11.851	11.971	BB	71338	807033	100.00%	5.207%
10	12.866	12.831	12.935	BB	60361	726221	89.99%	4.686%
11	13.312	13.168	13.401	BB	49987	597820	74.08%	3.857%
12	13.477	13.405	13.555	BB	56377	709502	87.91%	4.578%
13	14.063	14.028	14.138	BB	54986	702945	87.10%	4.536%
14	15.164	15.081	15.261	BB	54852	718436	89.02%	4.636%
15	16.184	16.141	16.250	BBA	54230	692601	85.82%	4.469%
16	17.133	17.061	17.215	BB	50870	711169	88.12%	4.589%
17	18.020	17.938	18.095	BB	54148	748840	92.79%	4.832%
18	18.851	18.801	18.915	BV	52589	755185	93.58%	4.873%
19	19.634	19.581	19.691	BB	46816	697486	86.43%	4.500%
20	20.374	20.341	20.430	BBA	41808	619117	76.72%	3.995%
21	21.101	21.051	21.170	BBA	36231	604714	74.93%	3.902%
22	21.992	21.931	22.100	BBA	24859	587334	72.78%	3.790%
			Sum of corrected areas:			15498284		

Aliphatic EPH 091024.M Tue Sep 10 01:36:12 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049980.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 17:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 09 17:40:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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)	11.878	2943115	19.782 ug/ml
Spiked Amount	50.000		Recovery =	39.56%
12) S	1-chlorooctadecane (S...	13.313	2249996	20.031 ug/ml
Spiked Amount	50.000		Recovery =	40.06%
	Target Compounds			
1) T	n-Nonane (C9)	3.266	2693212	19.869 ug/ml
2) T	n-Decane (C10)	4.517	2739441	19.849 ug/ml
3) T	A~Naphthalene (C11.7)	6.225	2802783	20.024 ug/ml
4) T	n-Dodecane (C12)	6.684	2749795	19.885 ug/ml
5) T	A~2-methylnaphthalene...	7.321	2636585	20.059 ug/ml
6) T	n-Tetradecane (C14)	8.512	2704282	19.859 ug/ml
7) T	n-Hexadecane (C16)	10.118	2766412	19.916 ug/ml
8) T	n-Octadecane (C18)	11.559	2791725	19.926 ug/ml
10) T	n-Eicosane (C20)	12.867	2656161	19.801 ug/ml
11) T	n-Heneicosane (C21)	13.479	2612113	19.880 ug/ml
13) T	n-Docosane (C22)	14.064	2575951	19.782 ug/ml
14) T	n-Tetracosane (C24)	15.165	2570063	19.680 ug/ml
15) T	n-Hexacosane (C26)	16.185	2524903	19.735 ug/ml
16) T	n-Octacosane (C28)	17.134	2531320	19.652 ug/ml
17) T	n-Tricontane (C30)	18.022	2600869	19.450 ug/ml
18) T	n-Dotriacontane (C32)	18.853	2587044	19.414 ug/ml
19) T	n-Tetratriacontane (C34)	19.636	2394001	19.375 ug/ml
20) T	n-Hexatriacontane (C36)	20.375	2166511	19.527 ug/ml
21) T	n-Octatriacontane (C38)	21.100	2154755	19.539 ug/ml
22) T	n-Tetracontane (C40)	21.993	2138239	19.650 ug/ml

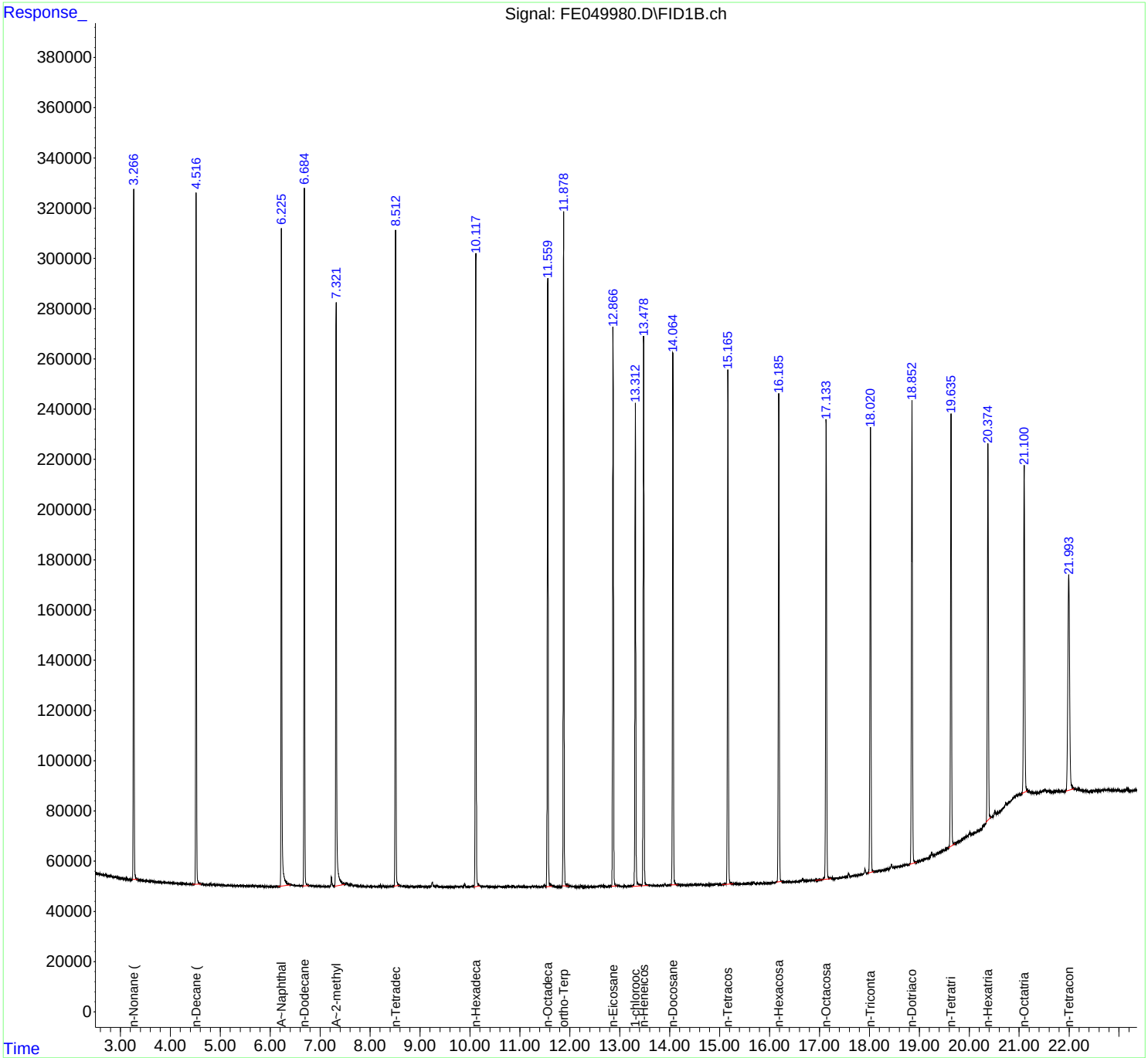
(f)=RT Delta > 1/2 Window (m)=manual int.

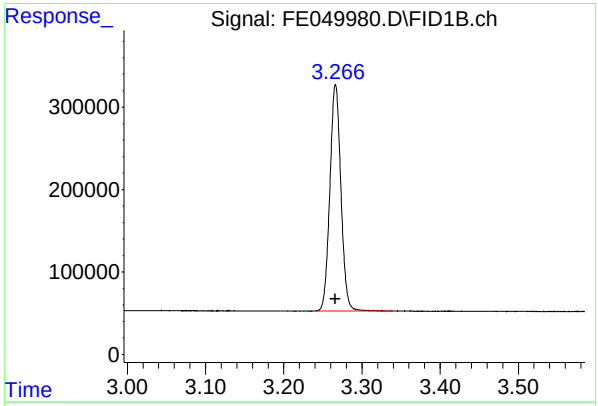
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049980.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 17:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 09 17:40:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

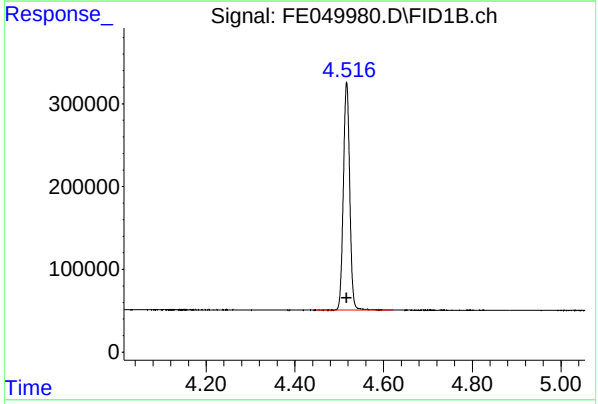




#1 n-Nonane (C9)

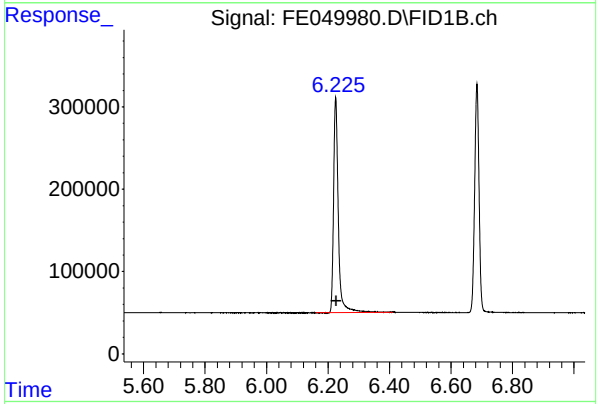
R.T.: 3.266 min
Delta R.T.: 0.000 min
Response: 2693212
Conc: 19.87 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



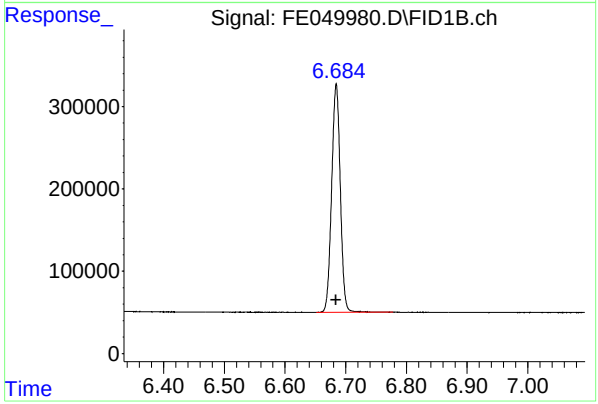
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 2739441
Conc: 19.85 ug/ml



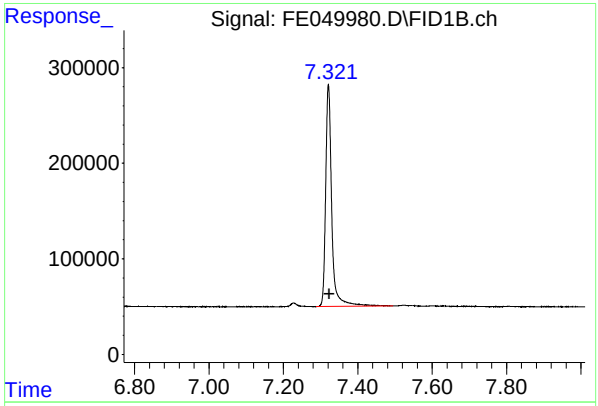
#3 A~Naphthalene (C11.7)

R.T.: 6.225 min
Delta R.T.: -0.002 min
Response: 2802783
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

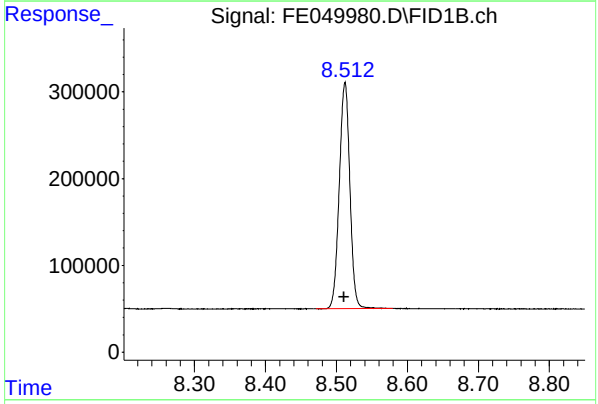
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 2749795
Conc: 19.89 ug/ml



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

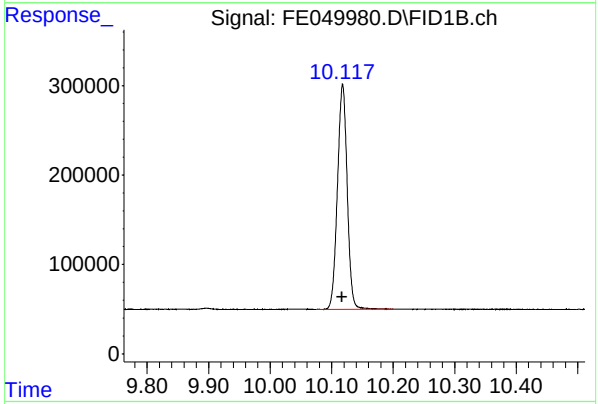
R.T.: 7.321 min
Delta R.T.: -0.002 min
Response: 2636585
Conc: 20.06 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



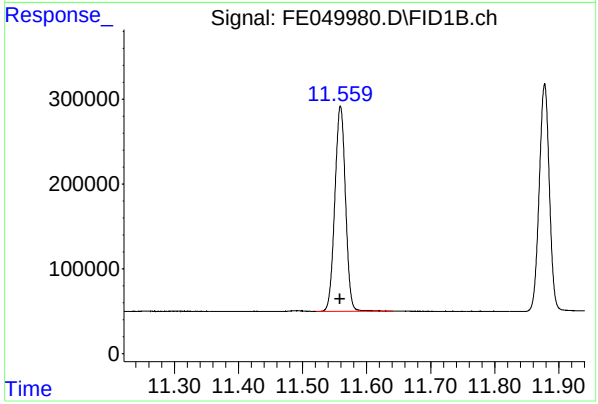
#6 n-Tetradecane (C14)

R.T.: 8.512 min
Delta R.T.: 0.001 min
Response: 2704282
Conc: 19.86 ug/ml



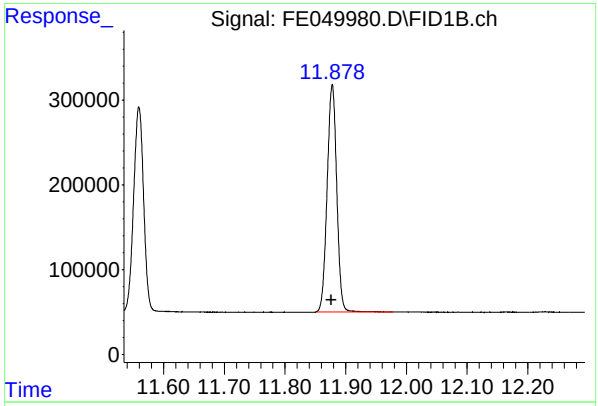
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: 0.000 min
Response: 2766412
Conc: 19.92 ug/ml



#8 n-Octadecane (C18)

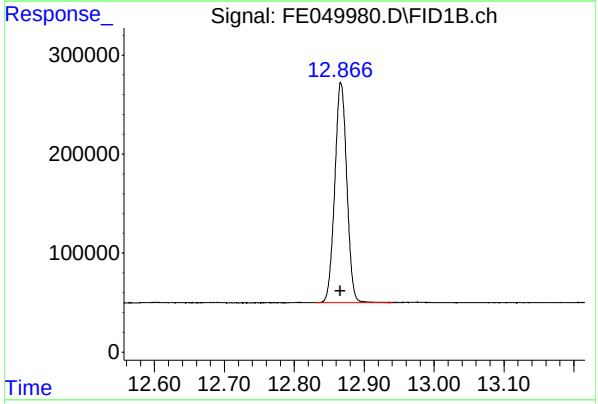
R.T.: 11.559 min
Delta R.T.: 0.000 min
Response: 2791725
Conc: 19.93 ug/ml



#9 ortho-Terphenyl (SURR)

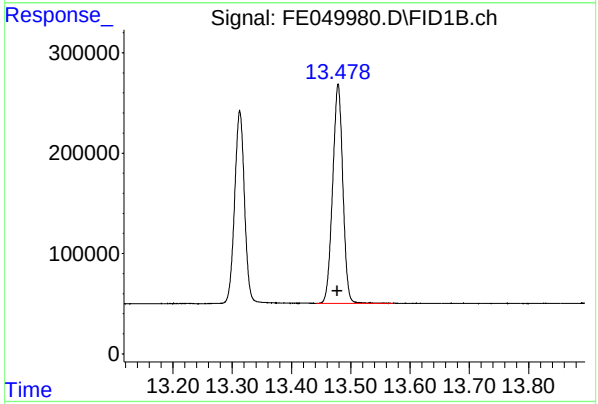
R.T.: 11.878 min
Delta R.T.: 0.001 min
Response: 2943115
Conc: 19.78 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



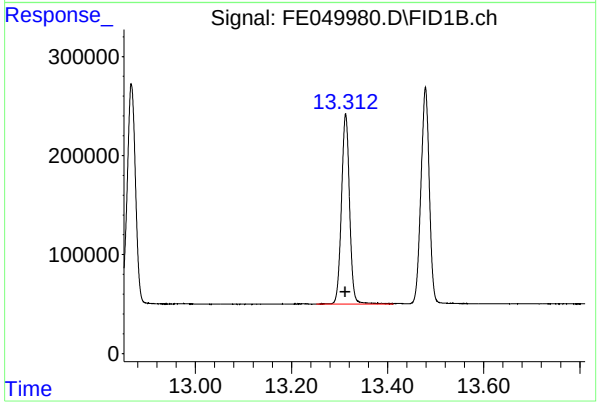
#10 n-Eicosane (C20)

R.T.: 12.867 min
Delta R.T.: 0.000 min
Response: 2656161
Conc: 19.80 ug/ml



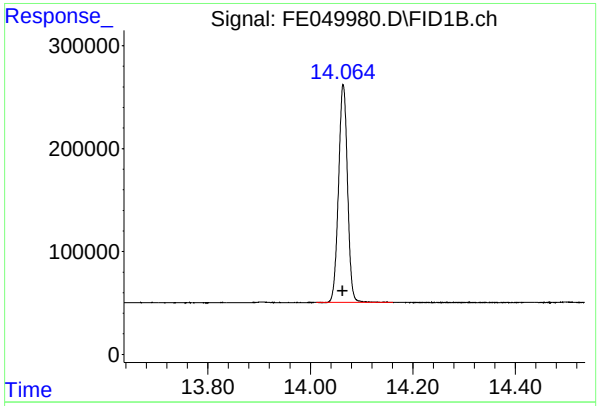
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: 0.001 min
Response: 2612113
Conc: 19.88 ug/ml



#12 1-chlorooctadecane (SURR)

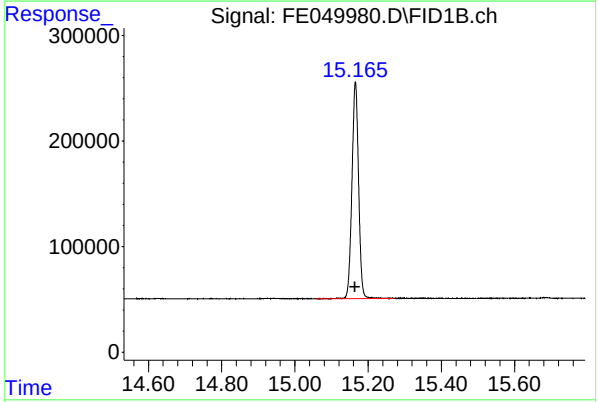
R.T.: 13.313 min
Delta R.T.: 0.001 min
Response: 2249996
Conc: 20.03 ug/ml



#13 n-Docosane (C22)

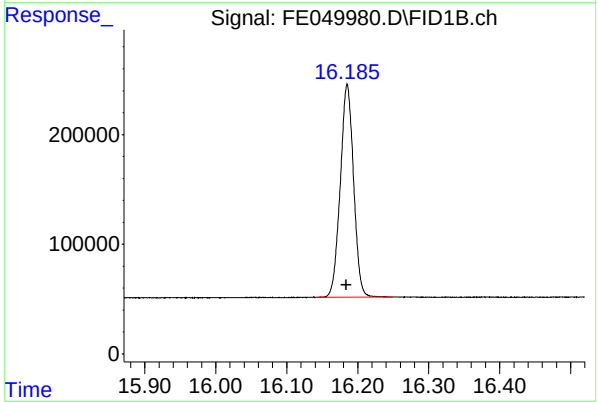
R.T.: 14.064 min
Delta R.T.: 0.001 min
Response: 2575951
Conc: 19.78 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



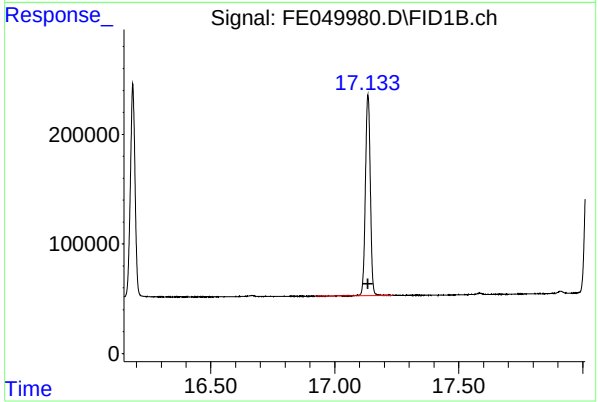
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: 0.001 min
Response: 2570063
Conc: 19.68 ug/ml



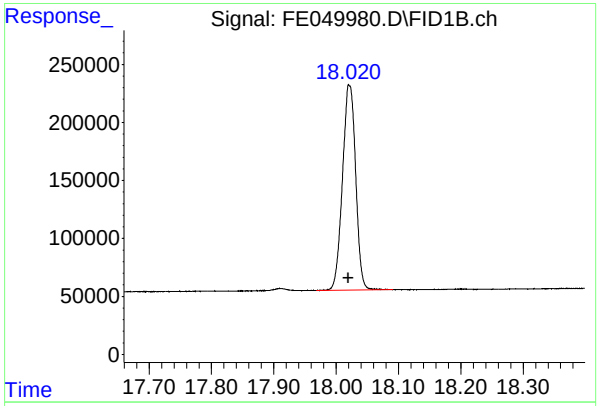
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: 0.002 min
Response: 2524903
Conc: 19.74 ug/ml



#16 n-Octacosane (C28)

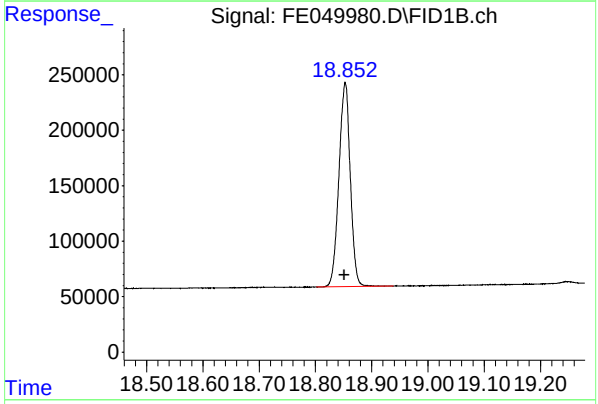
R.T.: 17.134 min
Delta R.T.: 0.000 min
Response: 2531320
Conc: 19.65 ug/ml



#17 n-Tricontane (C30)

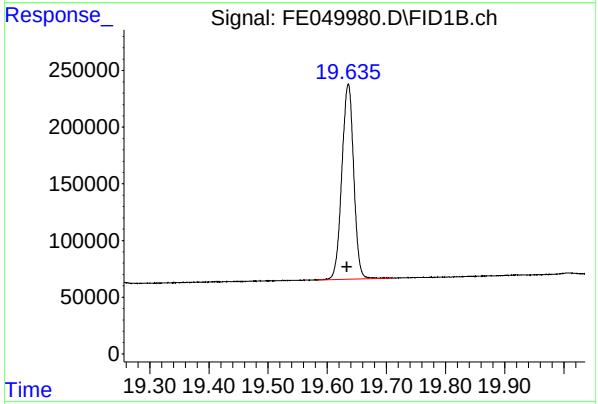
R.T.: 18.022 min
Delta R.T.: 0.002 min
Response: 2600869
Conc: 19.45 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



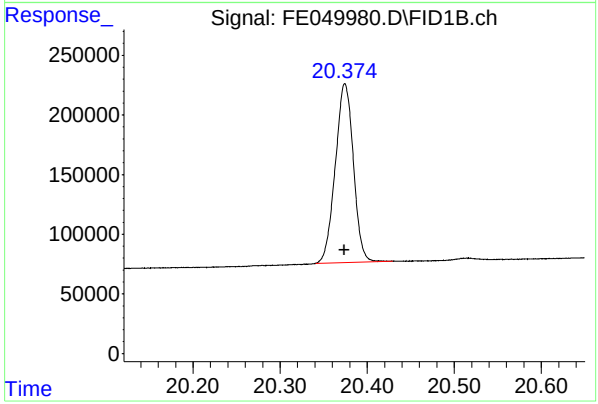
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: 0.002 min
Response: 2587044
Conc: 19.41 ug/ml



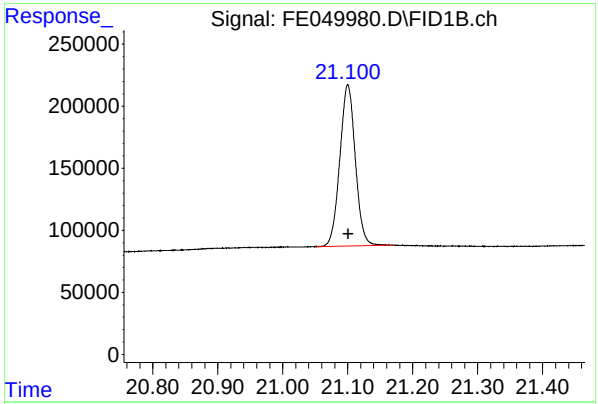
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: 0.002 min
Response: 2394001
Conc: 19.38 ug/ml



#20 n-Hexatriacontane (C36)

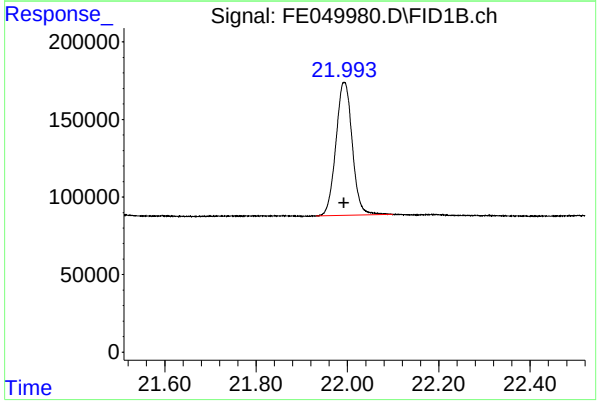
R.T.: 20.375 min
Delta R.T.: 0.000 min
Response: 2166511
Conc: 19.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: 0.000 min
Response: 2154755
Conc: 19.54 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.993 min
Delta R.T.: 0.000 min
Response: 2138239
Conc: 19.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
Data File : FE049980.D
Signal(s) : FID1B.ch
Acq On : 09 Sep 2024 17:17
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.266	3.241	3.340	BBA	273504	2693212	91.51%	4.759%
2	4.517	4.448	4.621	BB	274766	2739441	93.08%	4.841%
3	6.225	6.161	6.411	BB	260857	2802783	95.23%	4.953%
4	6.684	6.651	6.778	BB	277039	2749795	93.43%	4.859%
5	7.321	7.288	7.495	PV	232317	2636585	89.58%	4.659%
6	8.512	8.471	8.580	BBA	259387	2704282	91.89%	4.779%
7	10.118	10.075	10.200	BBA	251228	2766412	94.00%	4.889%
8	11.559	11.521	11.641	PBA	241759	2791725	94.86%	4.933%
9	11.878	11.851	11.978	BB	268132	2943115	100.00%	5.201%
10	12.867	12.831	12.941	BB	221108	2656161	90.25%	4.694%
11	13.313	13.251	13.411	BV	190918	2249996	76.45%	3.976%
12	13.479	13.442	13.571	VB	217884	2612113	88.75%	4.616%
13	14.064	14.011	14.161	BB	211616	2575951	87.52%	4.552%
14	15.165	15.058	15.268	BB	205102	2570063	87.32%	4.542%
15	16.185	16.141	16.250	BBA	193569	2524903	85.79%	4.462%
16	17.134	16.925	17.235	BB	183026	2531320	86.01%	4.473%
17	18.022	17.968	18.091	BB	177079	2600869	88.37%	4.596%
18	18.853	18.801	18.938	BB	182395	2587044	87.90%	4.572%
19	19.636	19.581	19.711	BB	171970	2394001	81.34%	4.230%
20	20.375	20.341	20.430	BBA	149904	2166511	73.61%	3.828%
21	21.100	21.051	21.170	BBA	129702	2154755	73.21%	3.808%
22	21.993	21.931	22.100	BBA	86083	2138239	72.65%	3.779%
			Sum of corrected areas:			56589276		

Aliphatic EPH 091024.M Tue Sep 10 01:36:36 2024

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

Inital Calibration Report for SequenceID : FG090424AR

AreaCount

Parameter Range	FG014164.D	FG014165.D	FG014166.D	FG014167.D	FG014168.D	
Aromatic C10-C12	25505756.000	12830790.000	5187701.000	2722550.000	1155491.000	
Aromatic C12-C16	39265700.000	19670978.000	7876551.000	4260086.000	1866122.000	
Aromatic C16-C21	50738044.000	25354734.000	10399550.000	5545642.000	2549618.000	
Aromatic C21-C36	109623106.000	55620904.000	22721111.000	11996501.000	5649856.000	
Aromatic EPH	225132606.000	113477406.000	46184913.000	24524779.000	11221087.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	127441.161	5.855				
Aromatic C12-C16	131942.4739996	4.796				
Aromatic C16-C21	129947.021	3.874				
Aromatic C21-C36	126096.1331106	3.474				
Aromatic EPH	128075.7236664	3.731				

Concentration

Parameter Range	FG014164.D	FG014165.D	FG014166.D	FG014167.D	FG014168.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	FG014164.D	FG014165.D	FG014166.D	FG014167.D	FG014168.D	
Aromatic C10-C12	127528.780000	128307.900000	129692.525000	136127.500000	115549.100000	
Aromatic C12-C16	130885.666666	131139.853333	131275.850000	142002.866666	124408.133333	
Aromatic C16-C21	126845.110000	126773.670000	129994.375000	138641.050000	127480.900000	
Aromatic C21-C36	121803.451111	123602.008888	126228.394444	133294.455555	125552.355555	
Aromatic EPH	125073.670000	126086.006666	128291.425000	136248.772222	124678.744444	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014164.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 08:44
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 04 11:08:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:06:02 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...	7.896	11173576	98.924 ug/ml
Spiked Amount	50.000		Recovery =	197.85%
6) S	2-Flurobiphenyl (SURR)	8.773	7649988	101.044 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	202.09%#
11) S	ortho-Terphenyl (SURR)	11.843	12987496	98.719 ug/ml
Spiked Amount	50.000		Recovery =	197.44%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.496	12413179	98.364 ug/ml
2) T	Naphthalene (C11.7)	6.168	13092577	99.924 ug/ml
3) T	2-Methylnaphthalene (...	7.269	13211483	102.208 ug/ml
5) T	Acenaphthylene (C15.06)	8.573	13006849	99.591 ug/ml
7) T	Acenaphthene (C15.5)	8.875	13047368	97.823 ug/ml
8) T	Flouorene (C16.55)	9.666	12876051	99.017 ug/ml
9) T	Phenanthrene (C19.36)	11.075	12794730	102.167 ug/ml
10) T	Anthracene (C19.43)	11.153	12555924	96.471 ug/ml
12) T	Fluoranthene (C21.85)	12.903	12760797	98.745 ug/ml
13) T	Pyrene (C20.8)	13.203	12511339	97.550 ug/ml
14) T	Benzo[a]anthracene (C...	15.090	12101373	101.830 ug/ml
15) T	Chrysene (C27.41)	15.137	12340187	94.998 ug/ml
16) T	benzo[b]fluoranthene ...	16.656	12316673	101.821 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.695	11385925	95.408 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.041	11954144	98.114 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.422	12298583	111.532 ug/ml
20) T	Dibenz[a,h]anthracene...	18.460	11739401	88.480 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.683	12726023	97.850 ug/ml

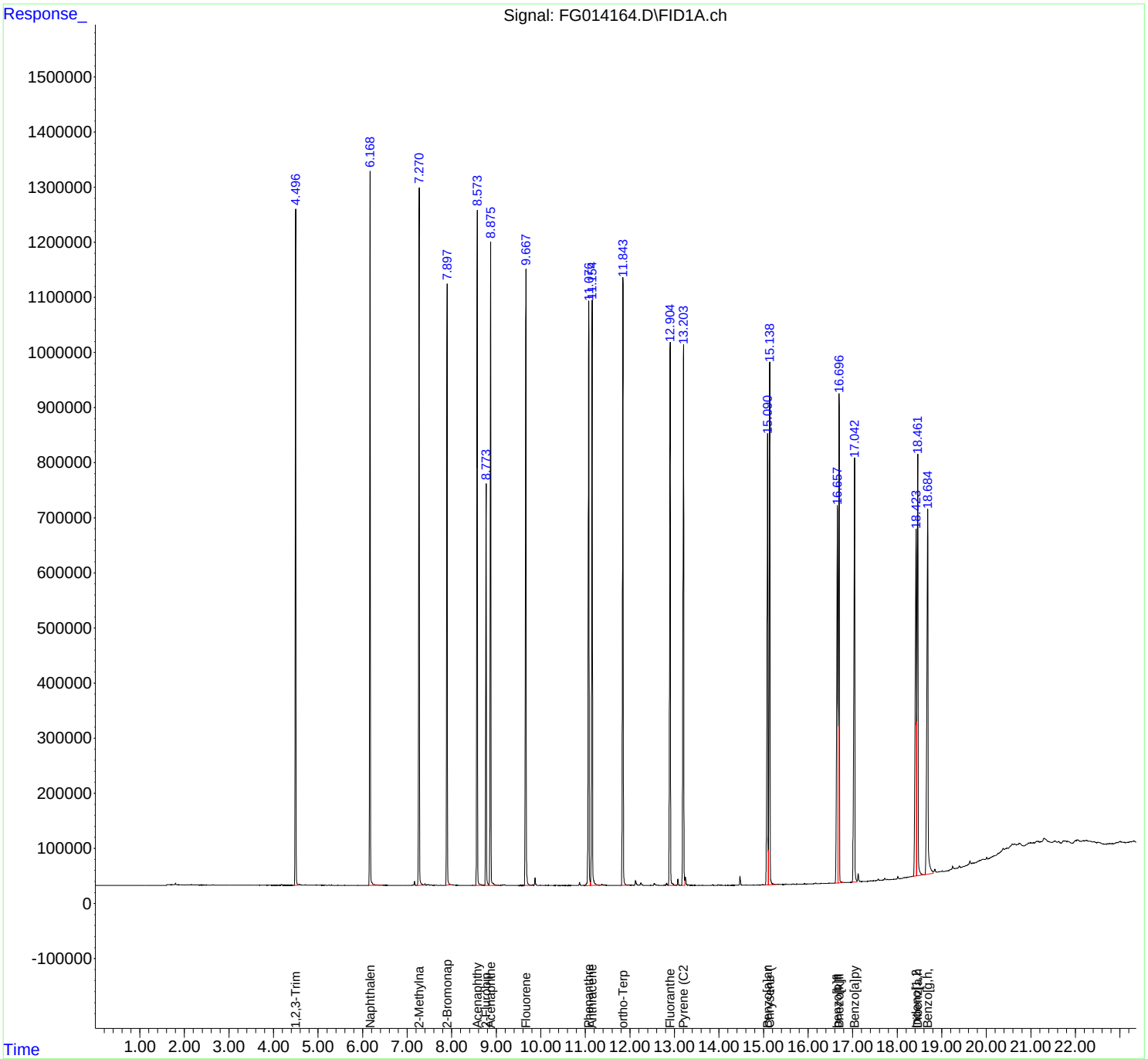
(f)=RT Delta > 1/2 Window (m)=manual int.

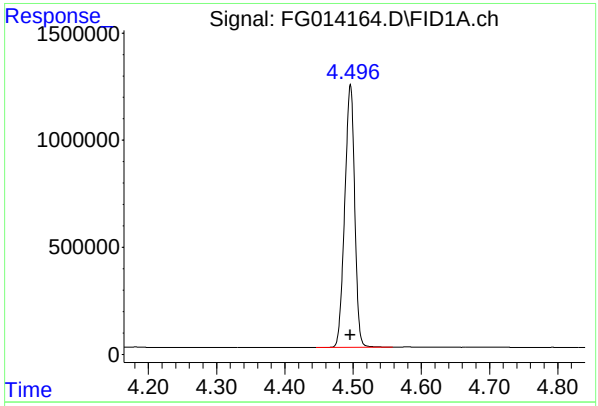
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014164.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 08:44
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 04 11:08:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:06:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

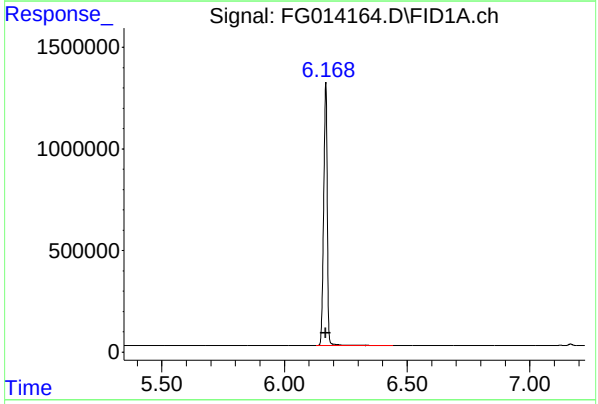




#1 1,2,3-Trimethylbenzene (C10.1)

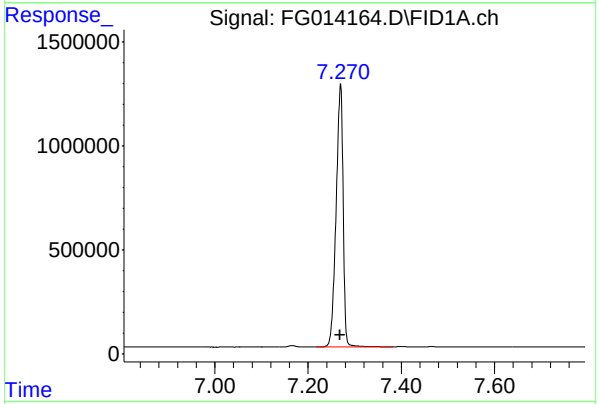
R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 12413179
Conc: 98.36 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1



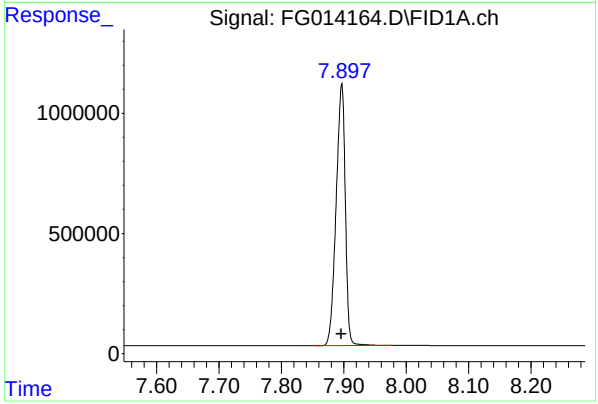
#2 Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: 0.000 min
Response: 13092577
Conc: 99.92 ug/ml



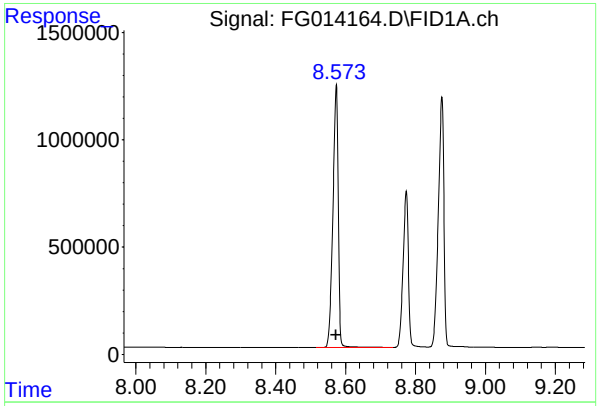
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.269 min
Delta R.T.: 0.000 min
Response: 13211483
Conc: 102.21 ug/ml



#4 2-Bromonaphthalene (SURR)

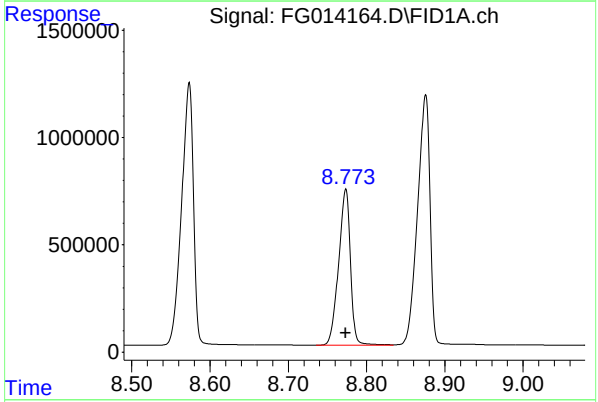
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 11173576
Conc: 98.92 ug/ml



#5 Acenaphthylene (C15.06)

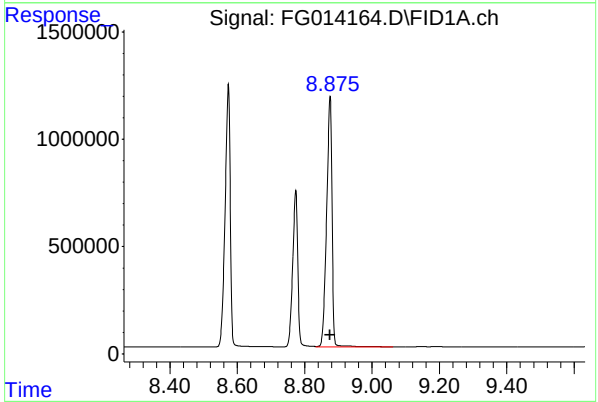
R.T.: 8.573 min
Delta R.T.: 0.000 min
Response: 13006849
Conc: 99.59 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1



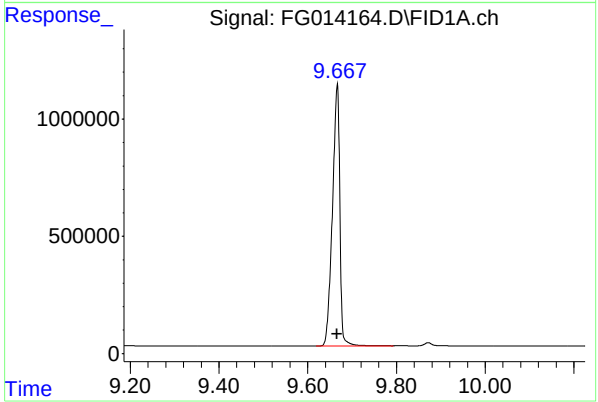
#6 2-Flurobiphenyl (SURR)

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 7649988
Conc: 101.04 ug/ml



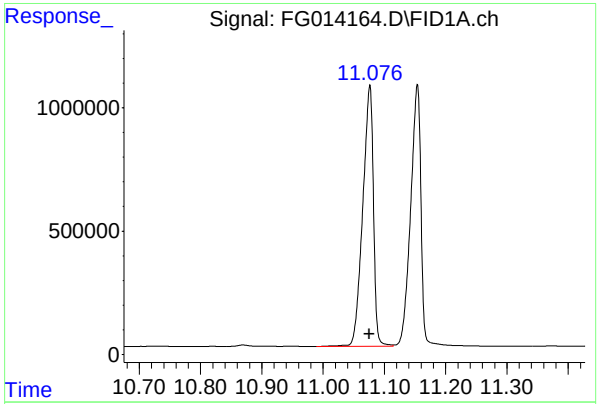
#7 Acenaphthene (C15.5)

R.T.: 8.875 min
Delta R.T.: 0.000 min
Response: 13047368
Conc: 97.82 ug/ml



#8 Flouorene (C16.55)

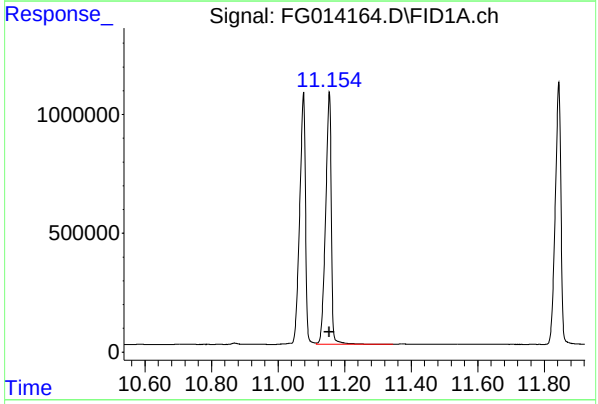
R.T.: 9.666 min
Delta R.T.: 0.000 min
Response: 12876051
Conc: 99.02 ug/ml



#9 Phenanthrene (C19.36)

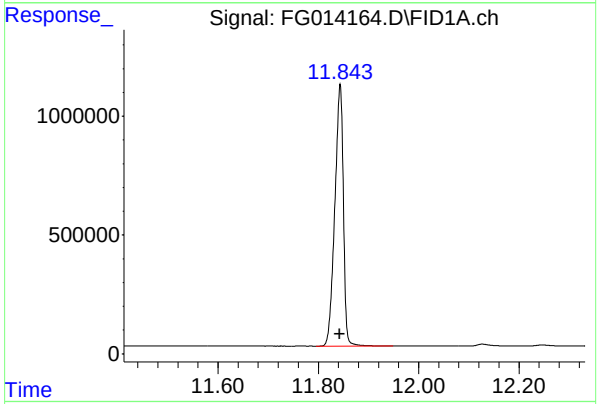
R.T.: 11.075 min
Delta R.T.: 0.000 min
Response: 12794730
Conc: 102.17 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1



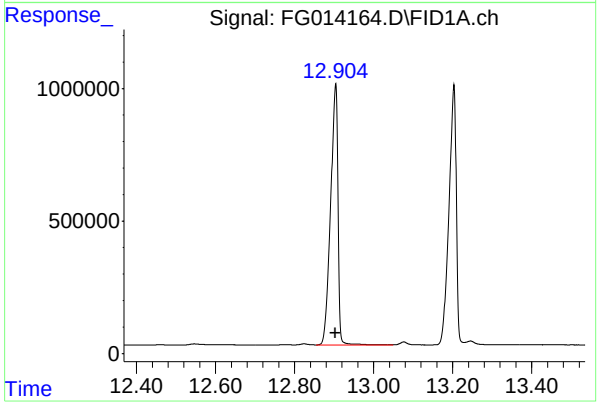
#10 Anthracene (C19.43)

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 12555924
Conc: 96.47 ug/ml



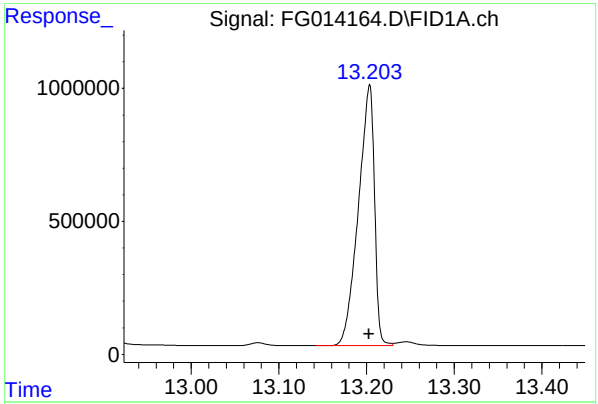
#11 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: 0.000 min
Response: 12987496
Conc: 98.72 ug/ml



#12 Fluoranthene (C21.85)

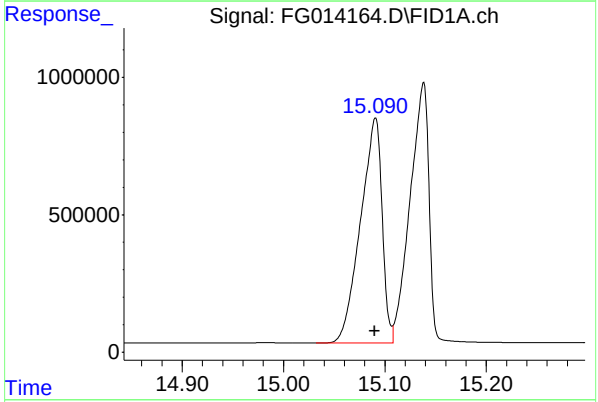
R.T.: 12.903 min
Delta R.T.: 0.000 min
Response: 12760797
Conc: 98.74 ug/ml



#13 Pyrene (C20.8)

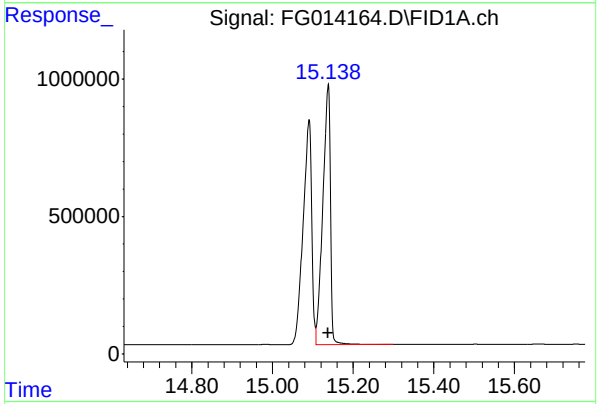
R.T.: 13.203 min
Delta R.T.: 0.000 min
Response: 12511339
Conc: 97.55 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1



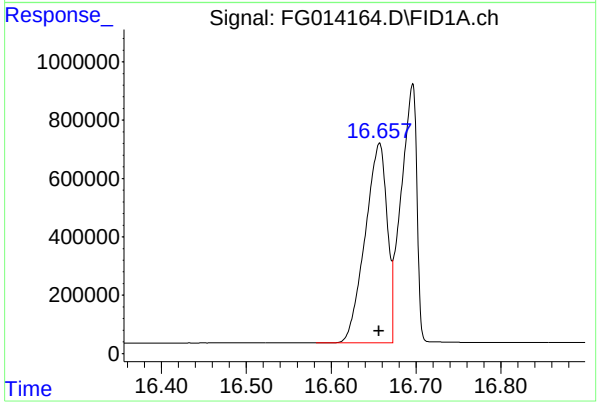
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.090 min
Delta R.T.: 0.000 min
Response: 12101373
Conc: 101.83 ug/ml



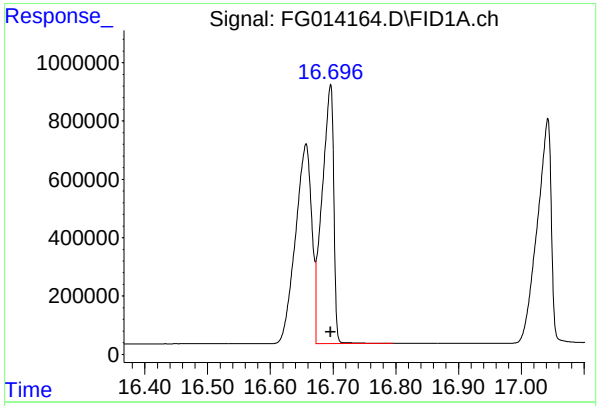
#15 Chrysene (C27.41)

R.T.: 15.137 min
Delta R.T.: 0.000 min
Response: 12340187
Conc: 95.00 ug/ml



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

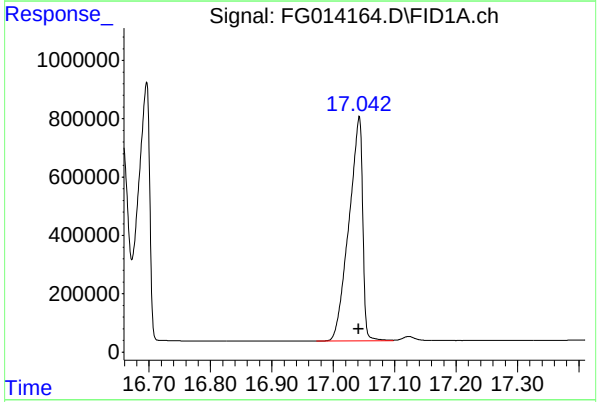
R.T.: 16.656 min
Delta R.T.: 0.000 min
Response: 12316673
Conc: 101.82 ug/ml



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

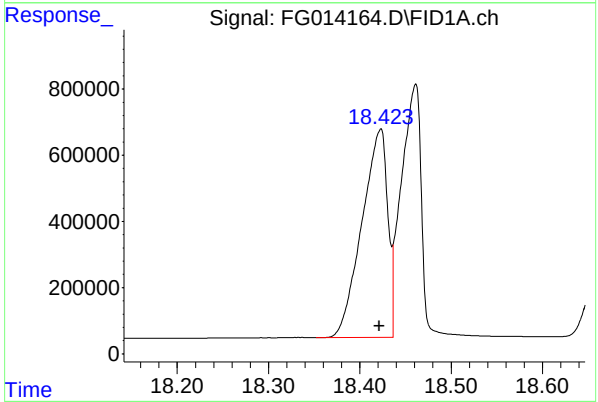
R.T.: 16.695 min
Delta R.T.: -0.001 min
Response: 11385925
Conc: 95.41 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1



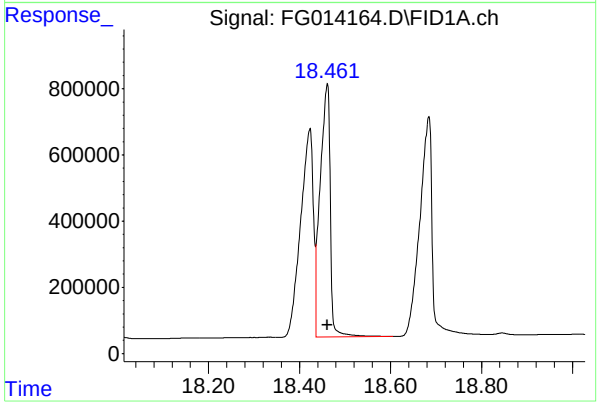
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.041 min
Delta R.T.: 0.000 min
Response: 11954144
Conc: 98.11 ug/ml



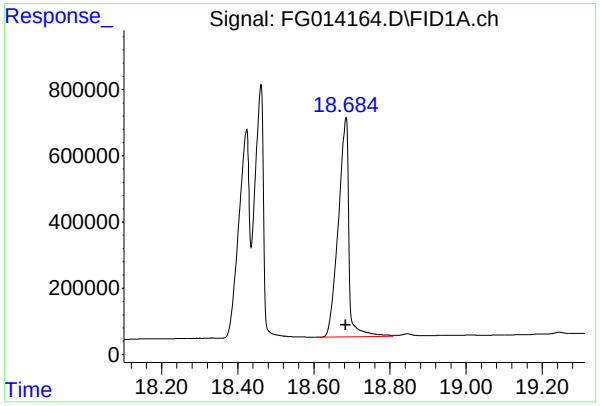
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.422 min
Delta R.T.: 0.000 min
Response: 12298583
Conc: 111.53 ug/ml



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

R.T.: 18.460 min
Delta R.T.: -0.001 min
Response: 11739401
Conc: 88.48 ug/ml



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

R.T.: 18.683 min
Delta R.T.: 0.000 mi
Response: 12726023
Conc: 97.85 ug/m

Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014164.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 08:44
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.496	4.445	4.558	BV	1223687	12413179	93.96%	4.831%
2	6.168	6.129	6.442	BB	1306105	13092577	99.10%	5.096%
3	7.269	7.217	7.382	PV	1253815	13211483	100.00%	5.142%
4	7.896	7.855	7.979	BV	1075648	11173576	84.57%	4.349%
5	8.573	8.515	8.735	BV	1210514	13006849	98.45%	5.062%
6	8.773	8.735	8.834	VV	719364	7649988	57.90%	2.977%
7	8.875	8.834	9.062	VV	1176874	13047368	98.76%	5.078%
8	9.666	9.619	9.792	BV	1099359	12876051	97.46%	5.011%
9	11.075	10.989	11.114	BV	1054164	12794730	96.85%	4.980%
10	11.153	11.114	11.345	VV	1046510	12555924	95.04%	4.887%
11	11.843	11.795	11.949	BV	1092950	12987496	98.30%	5.055%
12	12.903	12.854	13.049	VV	971596	12760797	96.59%	4.966%
13	13.203	13.142	13.230	PV	968314	12511339	94.70%	4.869%
14	15.090	15.032	15.108	BV	812701	12101373	91.60%	4.710%
15	15.137	15.108	15.299	VV	969518	12340187	93.41%	4.803%
16	16.656	16.582	16.673	BV	680468	12316673	93.23%	4.794%
17	16.695	16.673	16.795	VV	890565	11385925	86.18%	4.431%
18	17.041	16.972	17.097	BV	777111	11954144	90.48%	4.652%
19	18.422	18.352	18.436	BV	628782	12298583	93.09%	4.786%
20	18.460	18.436	18.605	VV	756762	11739401	88.86%	4.569%
21	18.683	18.605	18.808	PV	657170	12726023	96.33%	4.953%

Sum of corrected areas: 256943667

Aromatic EPH 090424.M Wed Sep 04 13:59:29 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014165.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 09:42
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
Quant Time: Sep 04 11:10:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:06:02 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...	7.891	5648100	50.003 ug/ml
Spiked Amount	50.000		Recovery =	100.01%
6) S	2-Flurobiphenyl (SURR)	8.768	3797013	50.102 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	100.20%
11) S	ortho-Terphenyl (SURR)	11.837	6530325	49.758 ug/ml
Spiked Amount	50.000		Recovery =	99.52%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.493	6287561	49.882 ug/ml
2) T	Naphthalene (C11.7)	6.164	6543229	49.959 ug/ml
3) T	2-Methylnaphthalene (...	7.264	6579759	50.598 ug/ml
5) T	Acenaphthylene (C15.06)	8.567	6522036	49.959 ug/ml
7) T	Acenaphthene (C15.5)	8.867	6569183	49.499 ug/ml
8) T	Flouorene (C16.55)	9.659	6438258	49.673 ug/ml
9) T	Phenanthrene (C19.36)	11.068	6329319	50.359 ug/ml
10) T	Anthracene (C19.43)	11.145	6333253	49.099 ug/ml
12) T	Fluoranthene (C21.85)	12.894	6411807	49.743 ug/ml
13) T	Pyrene (C20.8)	13.194	6253904	49.202 ug/mlm
14) T	Benzo[a]anthracene (C...	15.080	6036682	50.529 ug/ml
15) T	Chrysene (C27.41)	15.124	6322410	49.107 ug/ml
16) T	benzo[b]fluoranthene ...	16.644	6190607	50.779 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.678	5863127	49.008 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.027	6062614	49.839 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.404	5567403	50.325 ug/ml
20) T	Dibenz[a,h]anthracene...	18.442	6676261	49.827 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.661	6489993	49.934 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014165.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 09:42
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

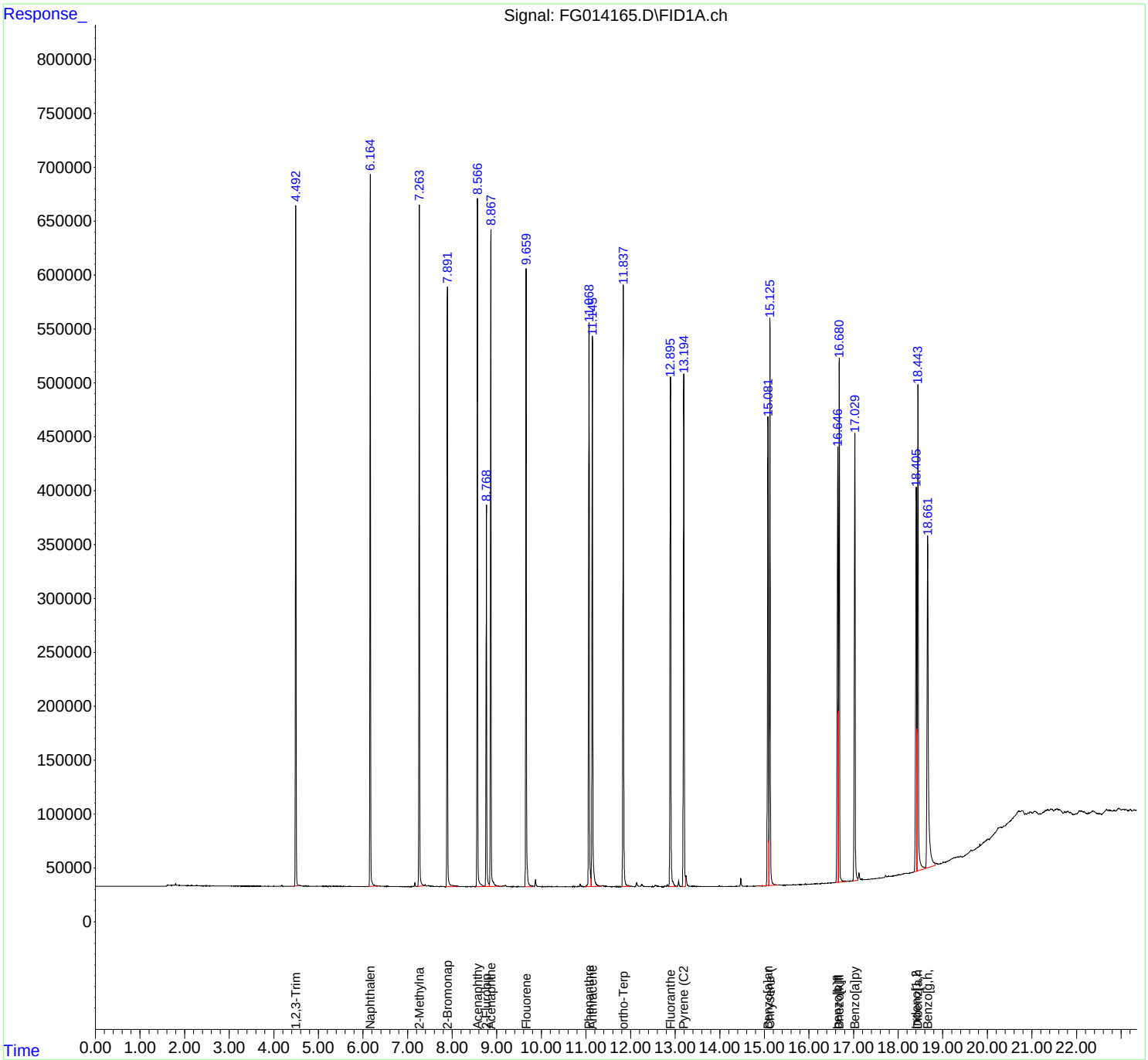
Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

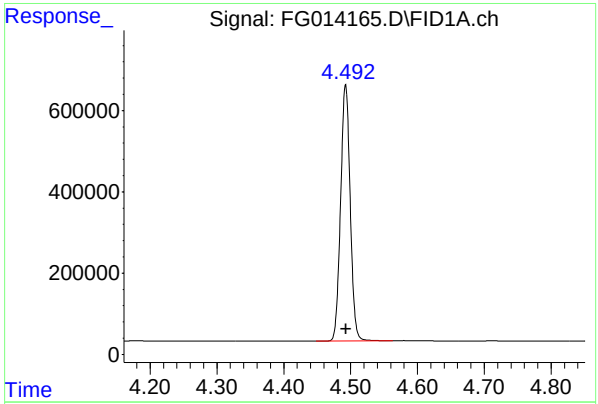
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
Quant Time: Sep 04 11:10:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:06:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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





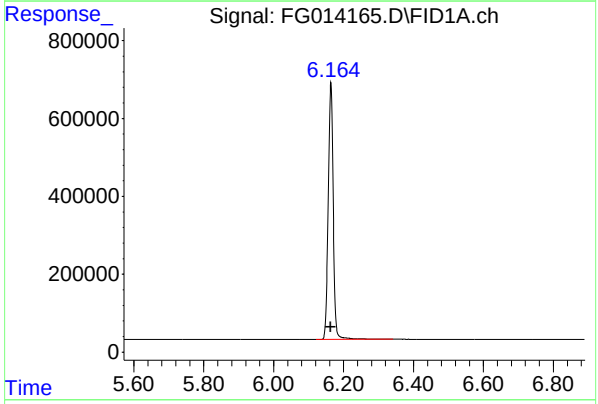
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.493 min
Delta R.T.: 0.000 min
Response: 6287561
Conc: 49.88 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

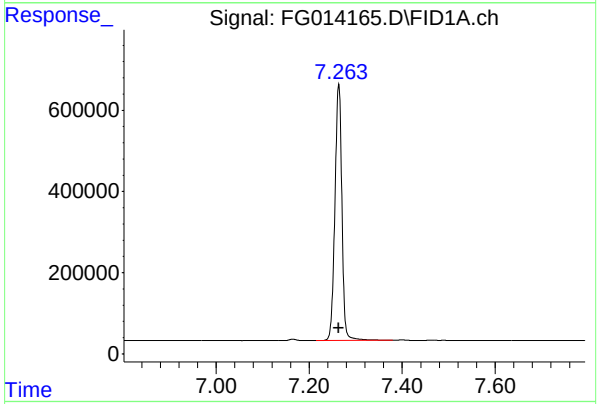
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



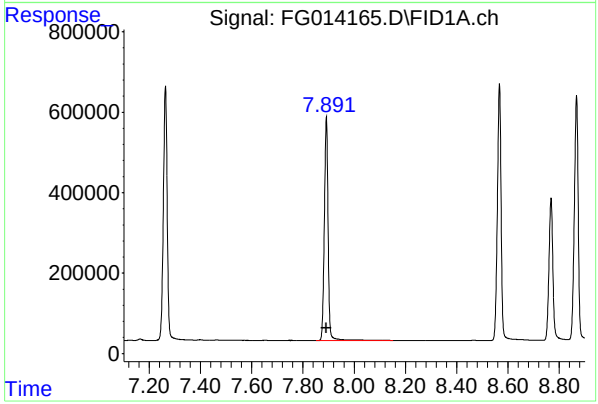
#2 Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 6543229
Conc: 49.96 ug/ml



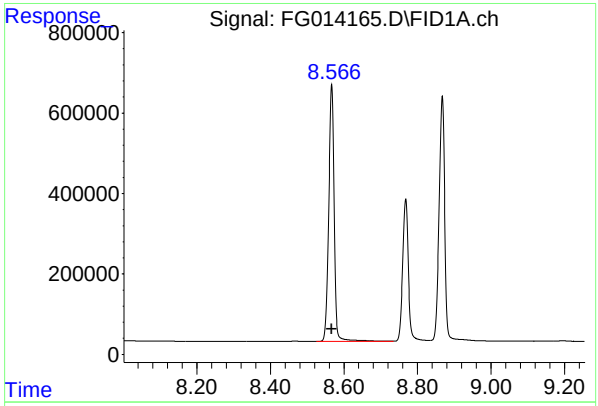
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: 0.000 min
Response: 6579759
Conc: 50.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 5648100
Conc: 50.00 ug/ml



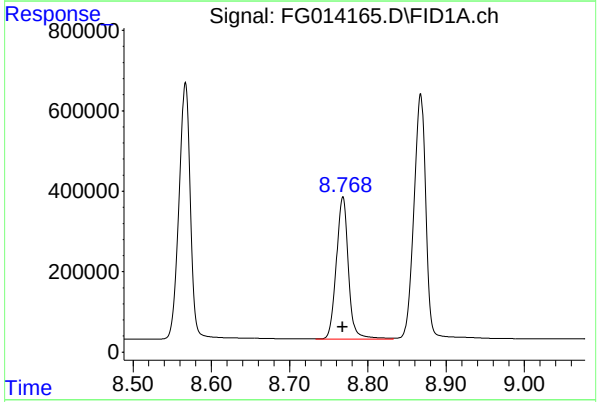
#5 Acenaphthylene (C15.06)

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 6522036
Conc: 49.96 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

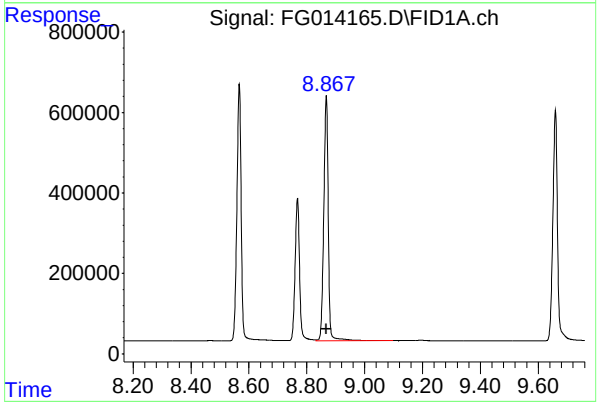
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



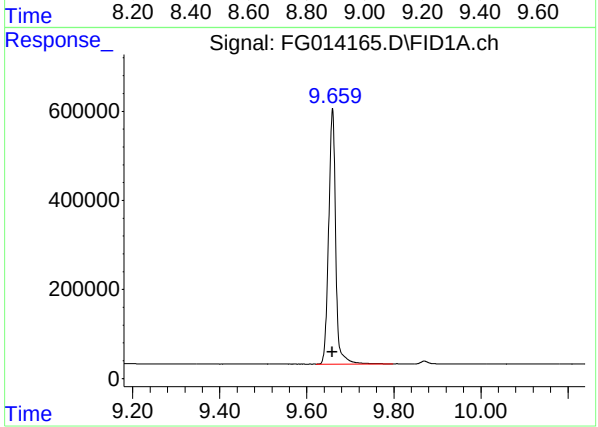
#6 2-Flurobiphenyl (SURR)

R.T.: 8.768 min
Delta R.T.: 0.000 min
Response: 3797013
Conc: 50.10 ug/ml



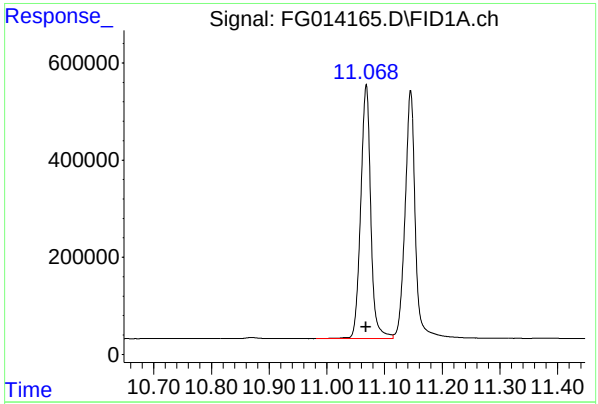
#7 Acenaphthene (C15.5)

R.T.: 8.867 min
Delta R.T.: 0.000 min
Response: 6569183
Conc: 49.50 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.659 min
Delta R.T.: 0.000 min
Response: 6438258
Conc: 49.67 ug/ml



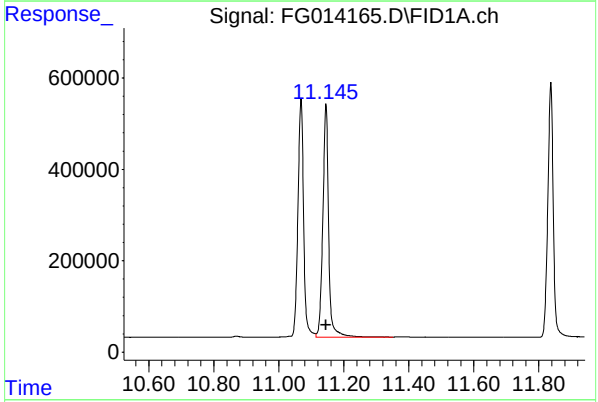
#9 Phenanthrene (C19.36)

R.T.: 11.068 min
Delta R.T.: 0.000 min
Response: 6329319
Conc: 50.36 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

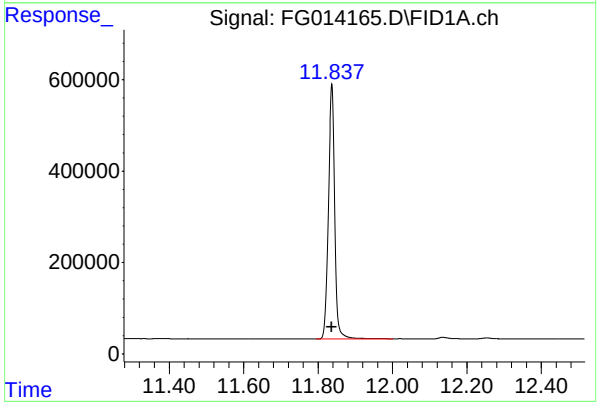
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



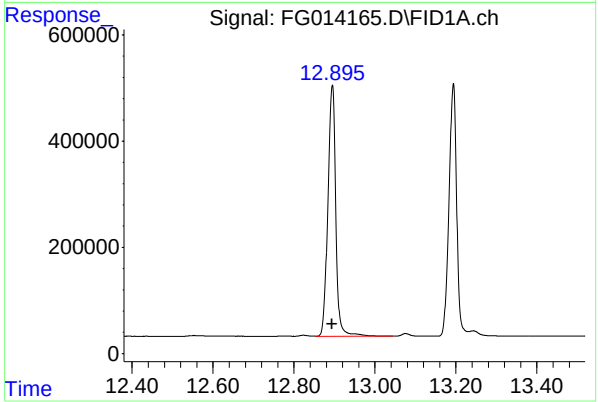
#10 Anthracene (C19.43)

R.T.: 11.145 min
Delta R.T.: 0.000 min
Response: 6333253
Conc: 49.10 ug/ml



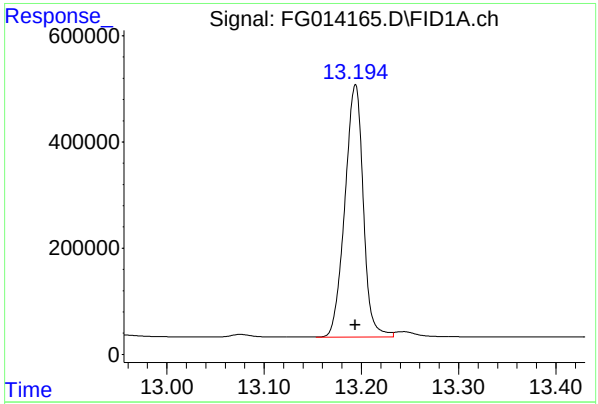
#11 ortho-Terphenyl (SURR)

R.T.: 11.837 min
Delta R.T.: 0.000 min
Response: 6530325
Conc: 49.76 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 6411807
Conc: 49.74 ug/ml



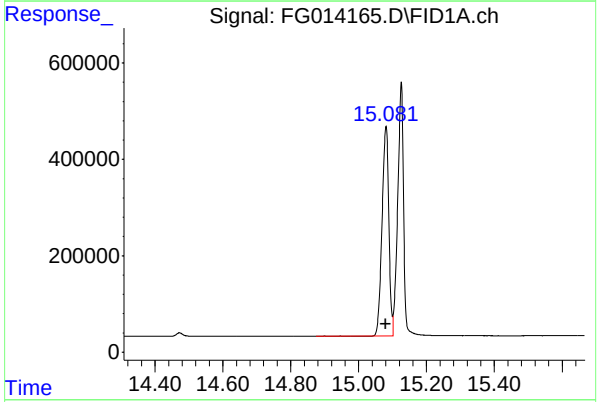
#13 Pyrene (C20.8)

R.T.: 13.194 min
Delta R.T.: 0.000 min
Response: 6253904
Conc: 49.20 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

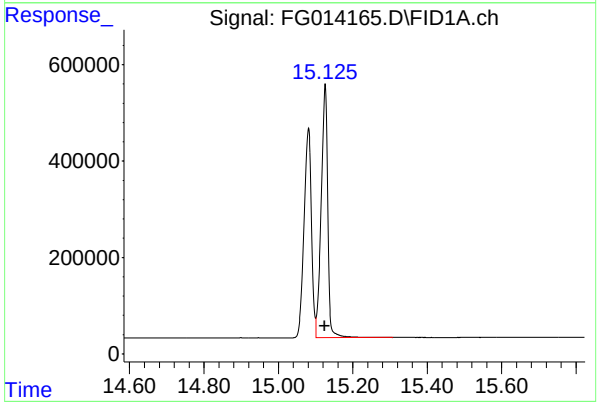
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



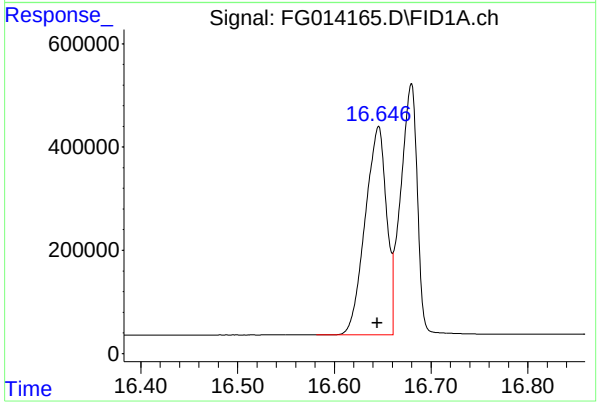
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.080 min
Delta R.T.: 0.000 min
Response: 6036682
Conc: 50.53 ug/ml



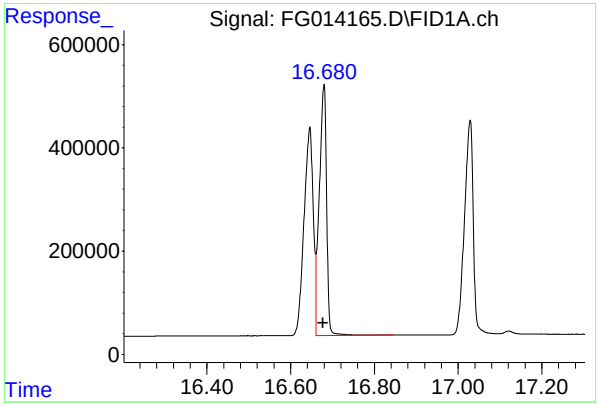
#15 Chrysene (C27.41)

R.T.: 15.124 min
Delta R.T.: 0.000 min
Response: 6322410
Conc: 49.11 ug/ml



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

R.T.: 16.644 min
Delta R.T.: 0.000 min
Response: 6190607
Conc: 50.78 ug/ml



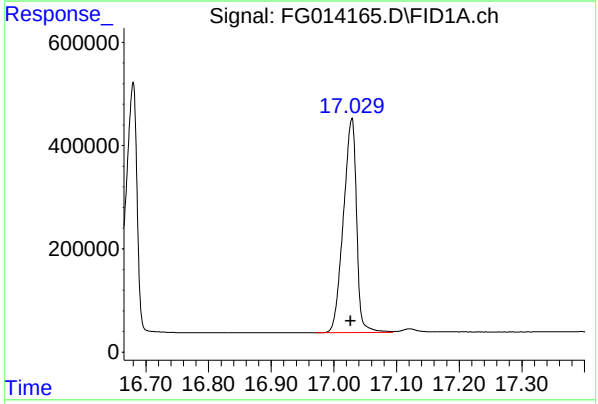
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.678 min
Delta R.T.: 0.000 min
Response: 5863127
Conc: 49.01 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

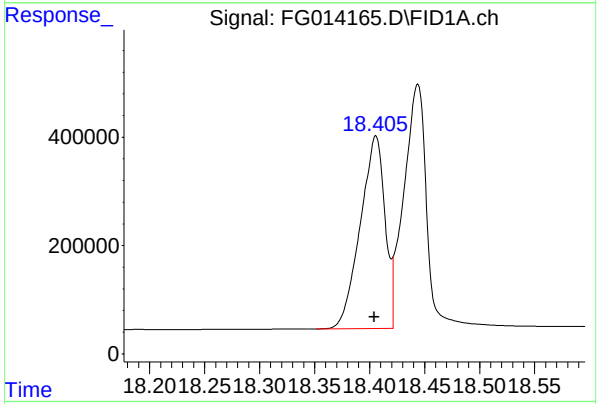
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



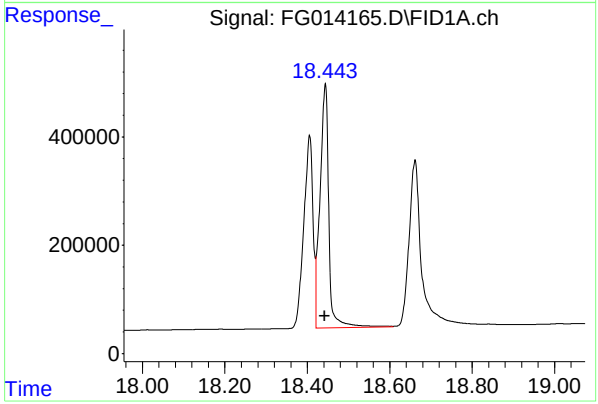
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.027 min
Delta R.T.: 0.000 min
Response: 6062614
Conc: 49.84 ug/ml



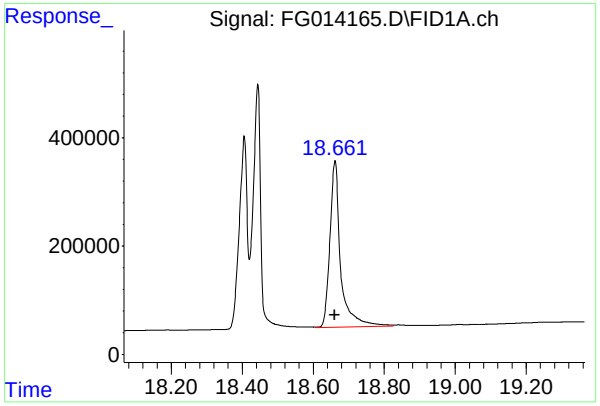
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.404 min
Delta R.T.: 0.000 min
Response: 5567403
Conc: 50.33 ug/ml



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

R.T.: 18.442 min
Delta R.T.: 0.000 min
Response: 6676261
Conc: 49.83 ug/ml



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

R.T.: 18.661 min
Delta R.T.: 0.000 mi
Response: 6489993
Conc: 49.93 ug/m

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Instrument :
FID_G
LabSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09042
Data File : FG014165.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 09:42
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.493	4.448	4.563	BV	629061	6287561	94.18%	4.851%
2	6.164	6.121	6.341	BB	662567	6543229	98.01%	5.048%
3	7.264	7.215	7.380	PV	636056	6579759	98.55%	5.076%
4	7.891	7.851	8.151	BB	554456	5648100	84.60%	4.357%
5	8.567	8.525	8.734	BV	641448	6522036	97.69%	5.032%
6	8.768	8.734	8.832	VV	354162	3797013	56.87%	2.929%
7	8.867	8.832	9.098	VB	611344	6569183	98.40%	5.068%
8	9.659	9.621	9.798	BV	571264	6438258	96.44%	4.967%
9	11.068	10.981	11.115	BV	521871	6329319	94.80%	4.883%
10	11.145	11.115	11.351	VV	511744	6333253	94.86%	4.886%
11	11.837	11.795	12.001	BV	561206	6530325	97.81%	5.038%
12	12.894	12.855	13.045	VV	474853	6411807	96.04%	4.947%
13	13.193	13.128	13.375	VB	482841	6419243	96.15%	4.952%
14	15.080	14.875	15.101	BV	439904	6036682	90.42%	4.657%
15	15.124	15.101	15.308	VB	522136	6322410	94.70%	4.878%
16	16.644	16.581	16.661	BV	402843	6190607	92.73%	4.776%
17	16.678	16.661	16.845	VB	479925	5863127	87.82%	4.523%
18	17.027	16.971	17.094	BV	416015	6062614	90.81%	4.677%
19	18.404	18.351	18.421	BV	356417	5567403	83.39%	4.295%
20	18.442	18.421	18.608	VV	444635	6676261	100.00%	5.151%
21	18.661	18.608	18.825	VV	307971	6489993	97.21%	5.007%
			Sum of corrected areas:			129618182		

Aromatic EPH 090424.M Wed Sep 04 14:00:11 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014166.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 10:12
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 04 11:06:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:06:02 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...	7.891	2283331	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.767	1498379	20.000 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%
11) S	ortho-Terphenyl (SURR)	11.833	2664898	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.492	2565226	20.000 ug/ml
2) T	Naphthalene (C11.7)	6.163	2622475	20.000 ug/ml
3) T	2-Methylnaphthalene (...	7.262	2528157	20.000 ug/ml
5) T	Acenaphthylene (C15.06)	8.564	2622757	20.000 ug/ml
7) T	Acenaphthene (C15.5)	8.864	2725637	20.000 ug/ml
8) T	Flouorene (C16.55)	9.656	2626317	20.000 ug/ml
9) T	Phenanthrene (C19.36)	11.066	2450398	20.000 ug/ml
10) T	Anthracene (C19.43)	11.142	2694894	20.000 ug/ml
12) T	Fluoranthene (C21.85)	12.892	2617046	20.000 ug/ml
13) T	Pyrene (C20.8)	13.190	2627941	20.000 ug/ml
14) T	Benzo[a]anthracene (C...	15.075	2333282	20.000 ug/ml
15) T	Chrysene (C27.41)	15.118	2727933	20.000 ug/ml
16) T	benzo[b]fluoranthene ...	16.639	2375242	20.000 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.670	2555755	20.000 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.021	2482751	20.000 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.397	1951059	20.000 ug/ml
20) T	Dibenz[a,h]anthracene...	18.434	3020979	20.000 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.653	2657064	20.000 ug/ml

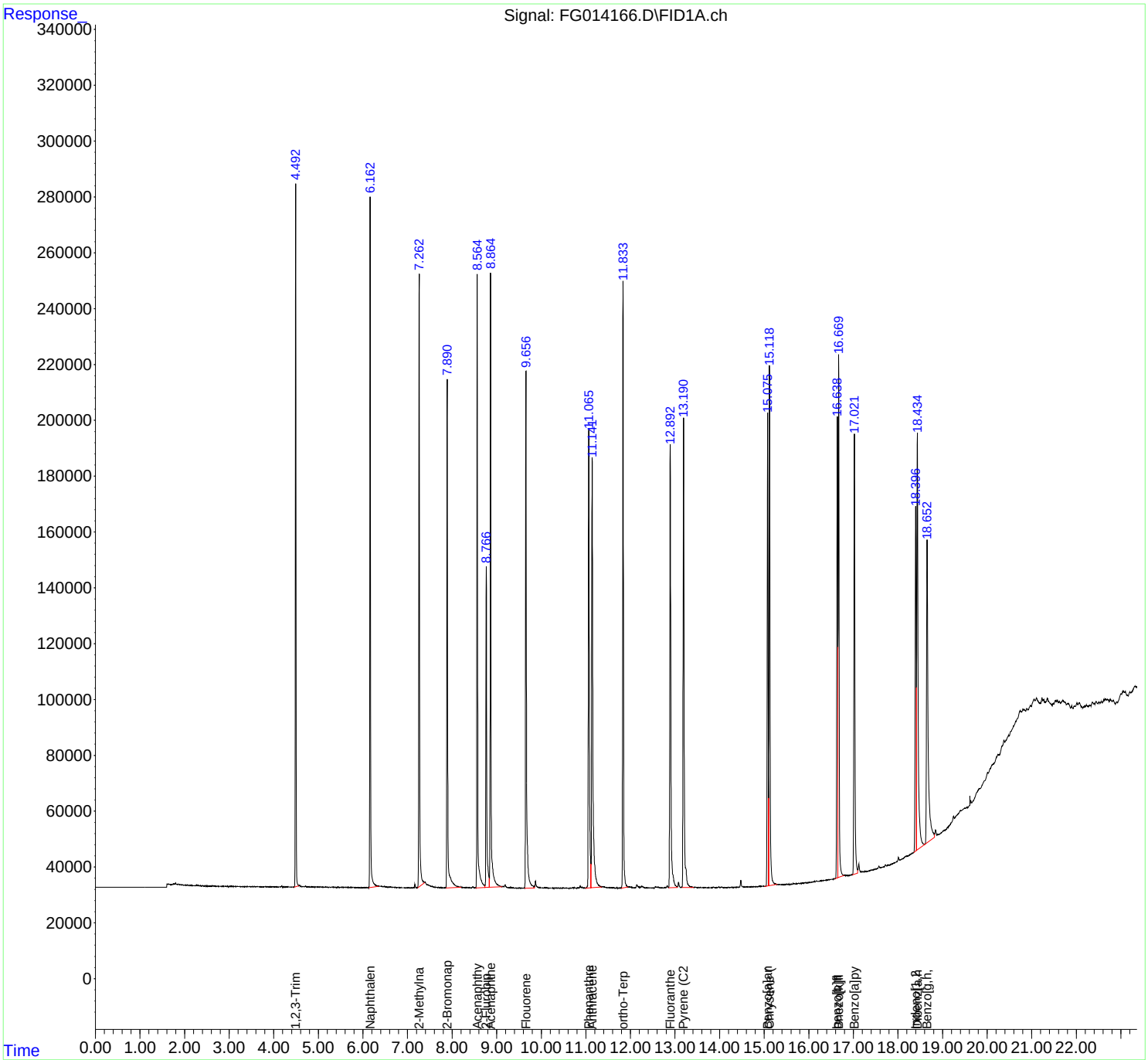
(f)=RT Delta > 1/2 Window (m)=manual int.

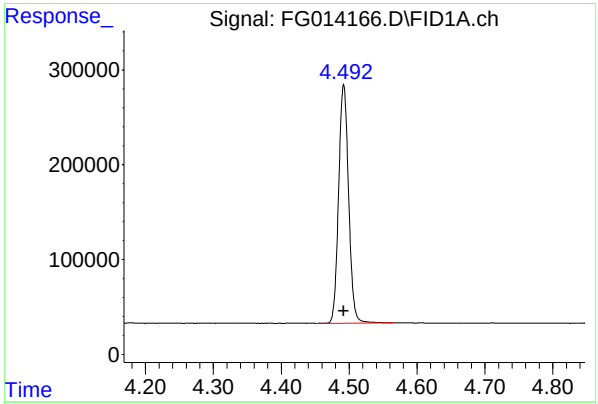
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014166.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 10:12
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 04 11:06:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:06:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

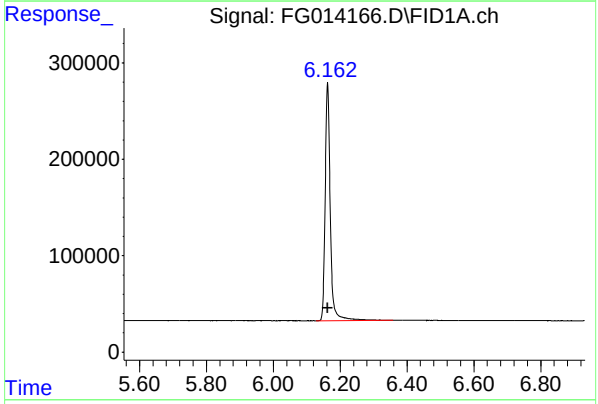




#1 1,2,3-Trimethylbenzene (C10.1)

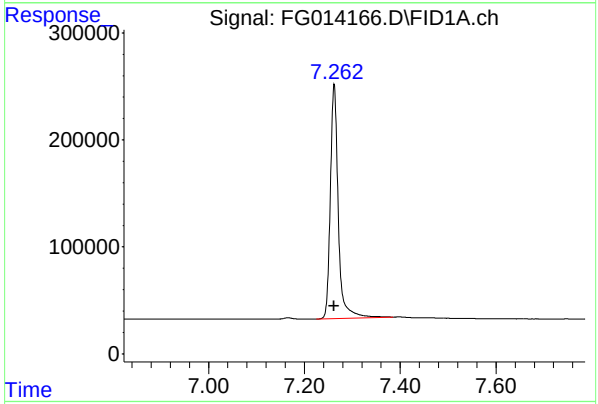
R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 2565226
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



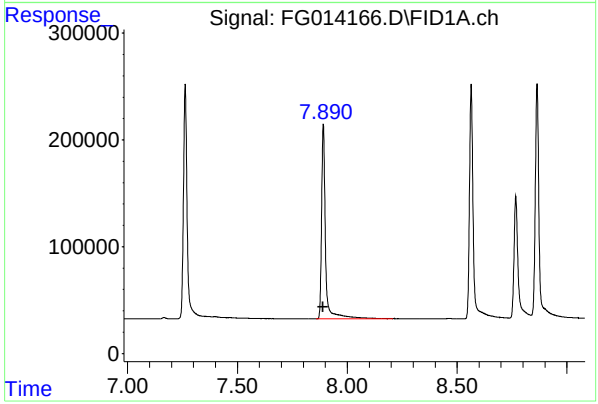
#2 Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: 0.000 min
Response: 2622475
Conc: 20.00 ug/ml



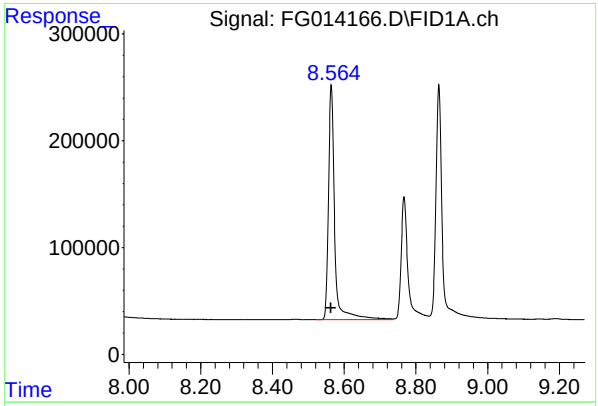
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 2528157
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

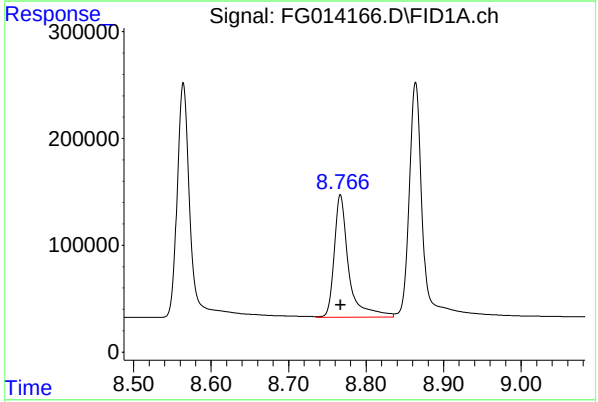
R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 2283331
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

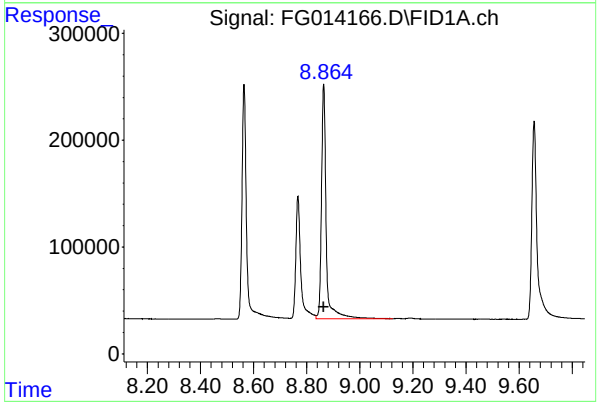
R.T.: 8.564 min
Delta R.T.: 0.000 min
Response: 2622757
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



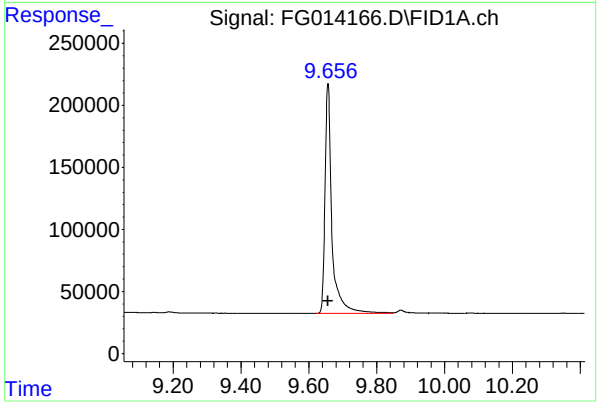
#6 2-Flurobiphenyl (SURR)

R.T.: 8.767 min
Delta R.T.: 0.000 min
Response: 1498379
Conc: 20.00 ug/ml



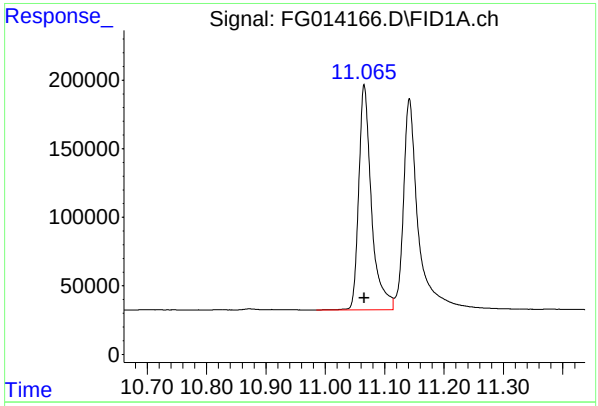
#7 Acenaphthene (C15.5)

R.T.: 8.864 min
Delta R.T.: 0.000 min
Response: 2725637
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

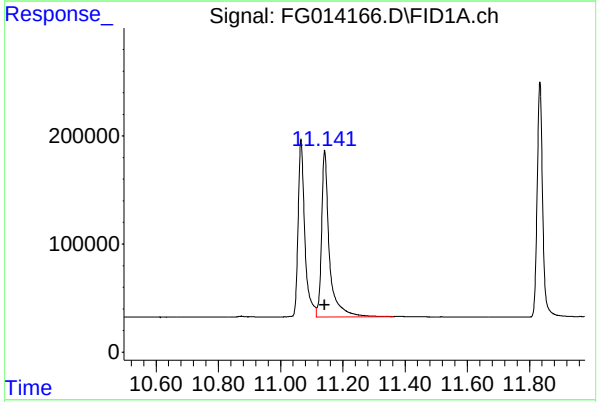
R.T.: 9.656 min
Delta R.T.: 0.000 min
Response: 2626317
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

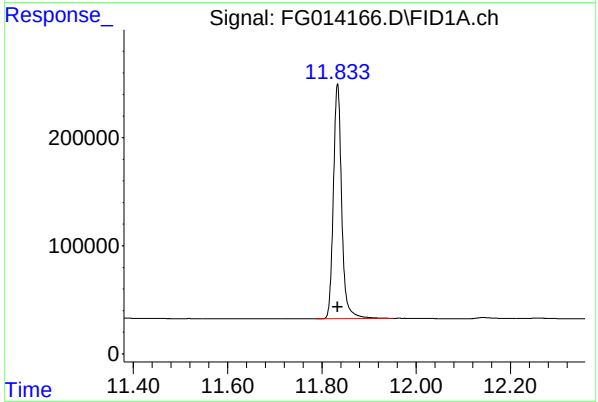
R.T.: 11.066 min
Delta R.T.: 0.000 min
Response: 2450398
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



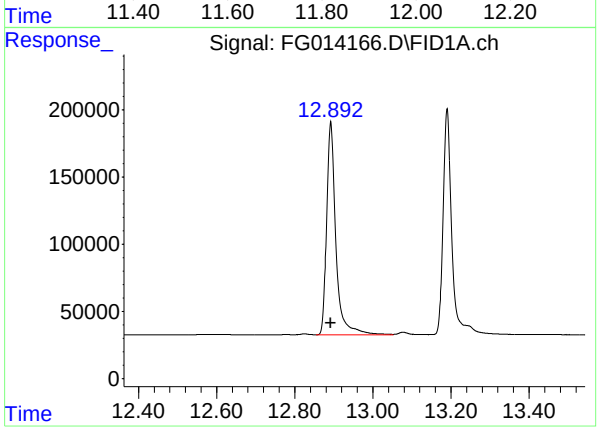
#10 Anthracene (C19.43)

R.T.: 11.142 min
Delta R.T.: 0.000 min
Response: 2694894
Conc: 20.00 ug/ml



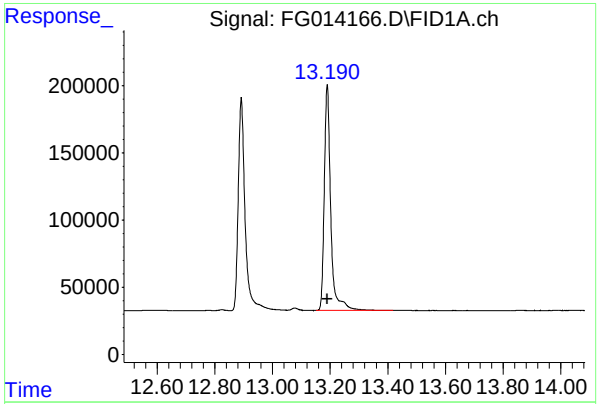
#11 ortho-Terphenyl (SURR)

R.T.: 11.833 min
Delta R.T.: 0.000 min
Response: 2664898
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

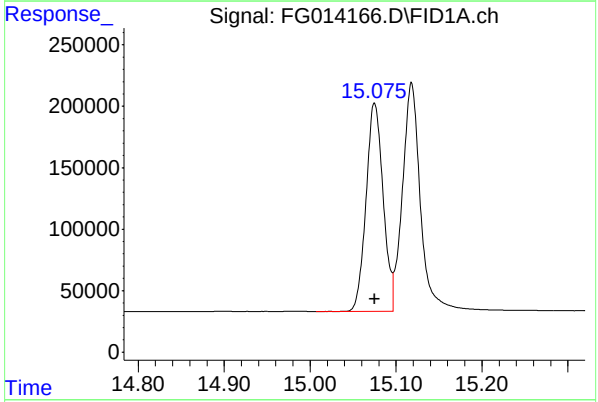
R.T.: 12.892 min
Delta R.T.: 0.000 min
Response: 2617046
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

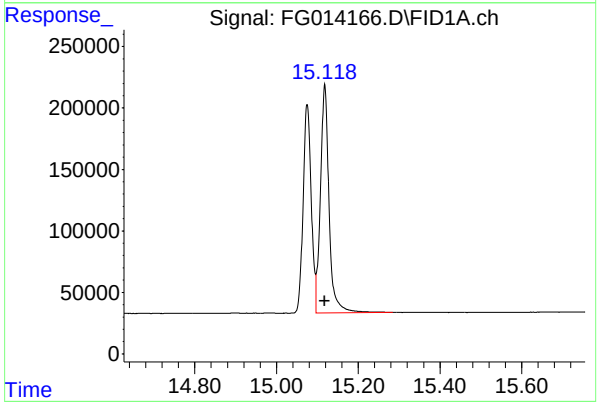
R.T.: 13.190 min
Delta R.T.: 0.000 min
Response: 2627941
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



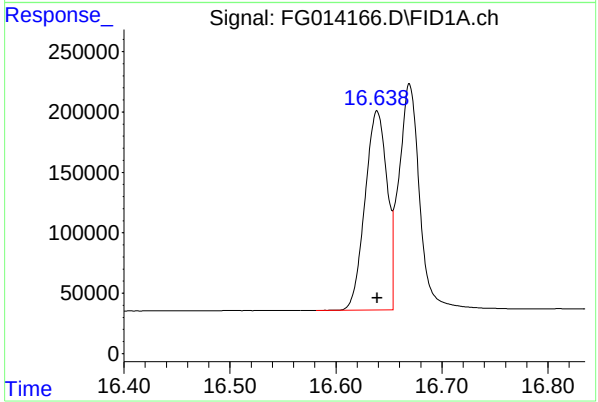
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.075 min
Delta R.T.: 0.000 min
Response: 2333282
Conc: 20.00 ug/ml



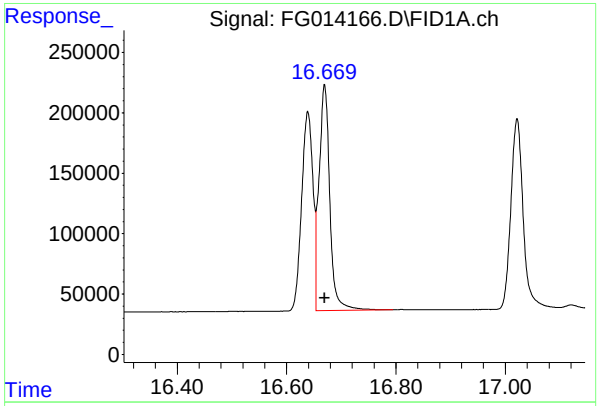
#15 Chrysene (C27.41)

R.T.: 15.118 min
Delta R.T.: 0.000 min
Response: 2727933
Conc: 20.00 ug/ml



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

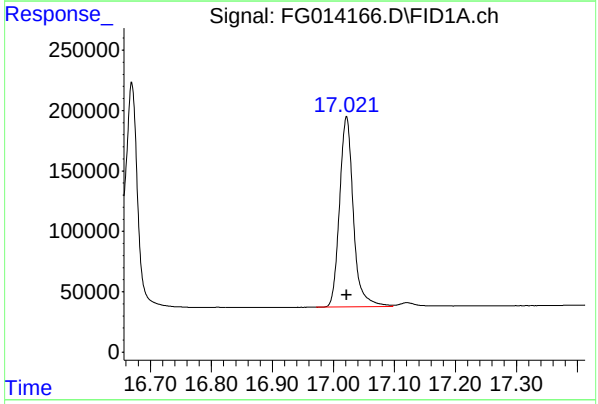
R.T.: 16.639 min
Delta R.T.: 0.000 min
Response: 2375242
Conc: 20.00 ug/ml



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

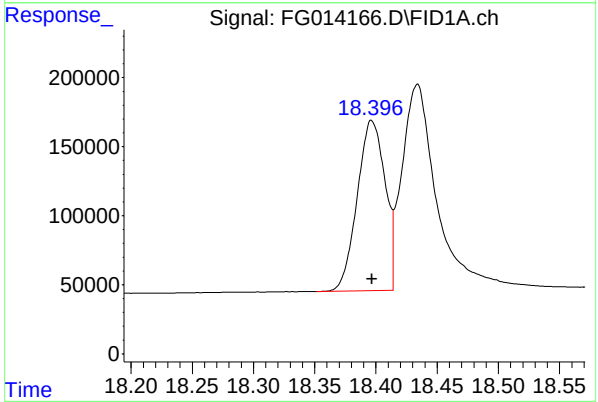
R.T.: 16.670 min
Delta R.T.: 0.000 mi
Response: 2555755
Conc: 20.00 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



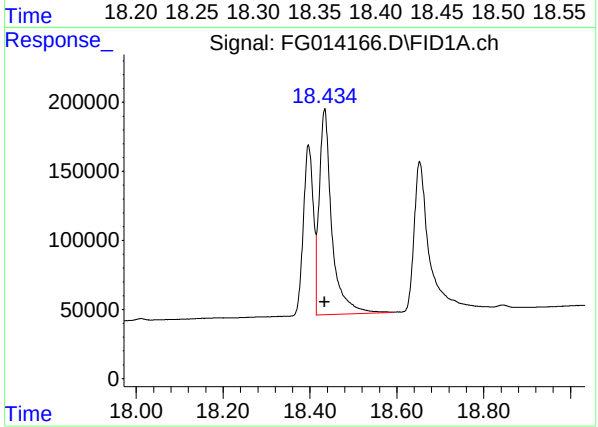
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.021 min
Delta R.T.: 0.000 min
Response: 2482751
Conc: 20.00 ug/ml



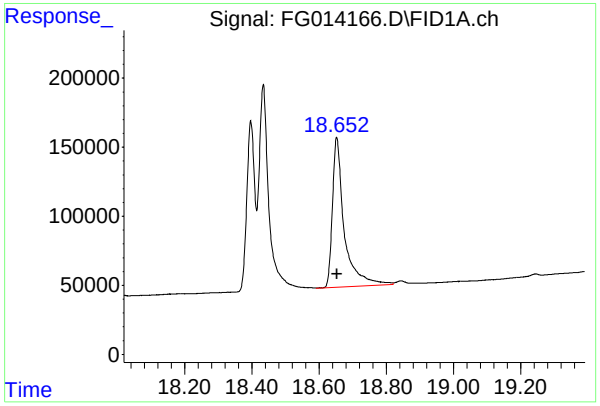
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.397 min
Delta R.T.: 0.000 min
Response: 1951059
Conc: 20.00 ug/ml



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

R.T.: 18.434 min
Delta R.T.: 0.000 min
Response: 3020979
Conc: 20.00 ug/ml



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

R.T.: 18.653 min
Delta R.T.: 0.000 mi
Response: 2657064
Conc: 20.00 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014166.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 10:12
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.492	4.451	4.565	BV	251233	2565226	84.91%	4.874%
2	6.163	6.128	6.358	BB	246068	2622475	86.81%	4.983%
3	7.262	7.225	7.385	BV	218340	2528157	83.69%	4.804%
4	7.891	7.858	8.208	BB	182039	2283331	75.58%	4.338%
5	8.564	8.521	8.736	BV	219328	2622757	86.82%	4.983%
6	8.767	8.736	8.835	VV	114077	1498379	49.60%	2.847%
7	8.864	8.835	9.125	VV	220380	2725637	90.22%	5.179%
8	9.656	9.621	9.848	BV	186266	2626317	86.94%	4.990%
9	11.066	10.985	11.114	BV	164193	2450398	81.11%	4.656%
10	11.142	11.114	11.361	VV	153838	2694894	89.21%	5.120%
11	11.833	11.788	11.951	BV	218414	2664898	88.21%	5.063%
12	12.892	12.854	13.051	VV	157739	2617046	86.63%	4.972%
13	13.190	13.151	13.418	BB	168456	2627941	86.99%	4.993%
14	15.075	15.007	15.096	PV	169694	2333282	77.24%	4.433%
15	15.118	15.096	15.285	VB	185748	2727933	90.30%	5.183%
16	16.639	16.581	16.654	BV	164848	2375242	78.62%	4.513%
17	16.670	16.654	16.795	VB	187039	2555755	84.60%	4.856%
18	17.021	16.971	17.097	BV	157812	2482751	82.18%	4.717%
19	18.397	18.351	18.414	BV	122317	1951059	64.58%	3.707%
20	18.434	18.414	18.591	VV	149638	3020979	100.00%	5.740%
21	18.653	18.591	18.820	VV	108611	2657064	87.95%	5.048%
			Sum of corrected areas:			52631523		

Aromatic EPH 090424.M Wed Sep 04 14:00:50 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014167.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 10:41
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
Quant Time: Sep 04 11:16:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:16:03 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...	7.892	1187683	10.381 ug/ml
Spiked Amount	50.000		Recovery =	20.76%
6) S	2-Flurobiphenyl (SURR)	8.769	756536	9.987 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	19.97%
11) S	ortho-Terphenyl (SURR)	11.832	1439091	10.707 ug/ml
Spiked Amount	50.000		Recovery =	21.41%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.491	1393502	10.771 ug/ml
2) T	Naphthalene (C11.7)	6.163	1329048	10.110 ug/ml
3) T	2-Methylnaphthalene (...	7.263	1390236	10.509 ug/ml
5) T	Acenaphthylene (C15.06)	8.564	1371433	10.374 ug/ml
7) T	Acenaphthene (C15.5)	8.863	1498417	10.938 ug/ml
8) T	Flouorene (C16.55)	9.657	1371690	10.431 ug/ml
9) T	Phenanthrene (C19.36)	11.068	1231198	9.846 ug/ml
10) T	Anthracene (C19.43)	11.145	1542057	11.398 ug/ml
12) T	Fluoranthene (C21.85)	12.895	1377925	10.509 ug/ml
13) T	Pyrene (C20.8)	13.191	1400697	10.740 ug/ml
14) T	Benzo[a]anthracene (C...	15.078	1146227	9.693 ug/ml
15) T	Chrysene (C27.41)	15.119	1576942	11.596 ug/ml
16) T	benzo[b]fluoranthene ...	16.638	1142179	9.519 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.669	1532107	11.967 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.022	1329252	10.680 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.396	881495	8.394 ug/ml
20) T	Dibenz[a,h]anthracene...	18.437	1630601	11.150 ug/mlm
21) T	Benzo[g,h,i]perylene ...	18.650	1379773	10.455 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014167.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 10:41
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

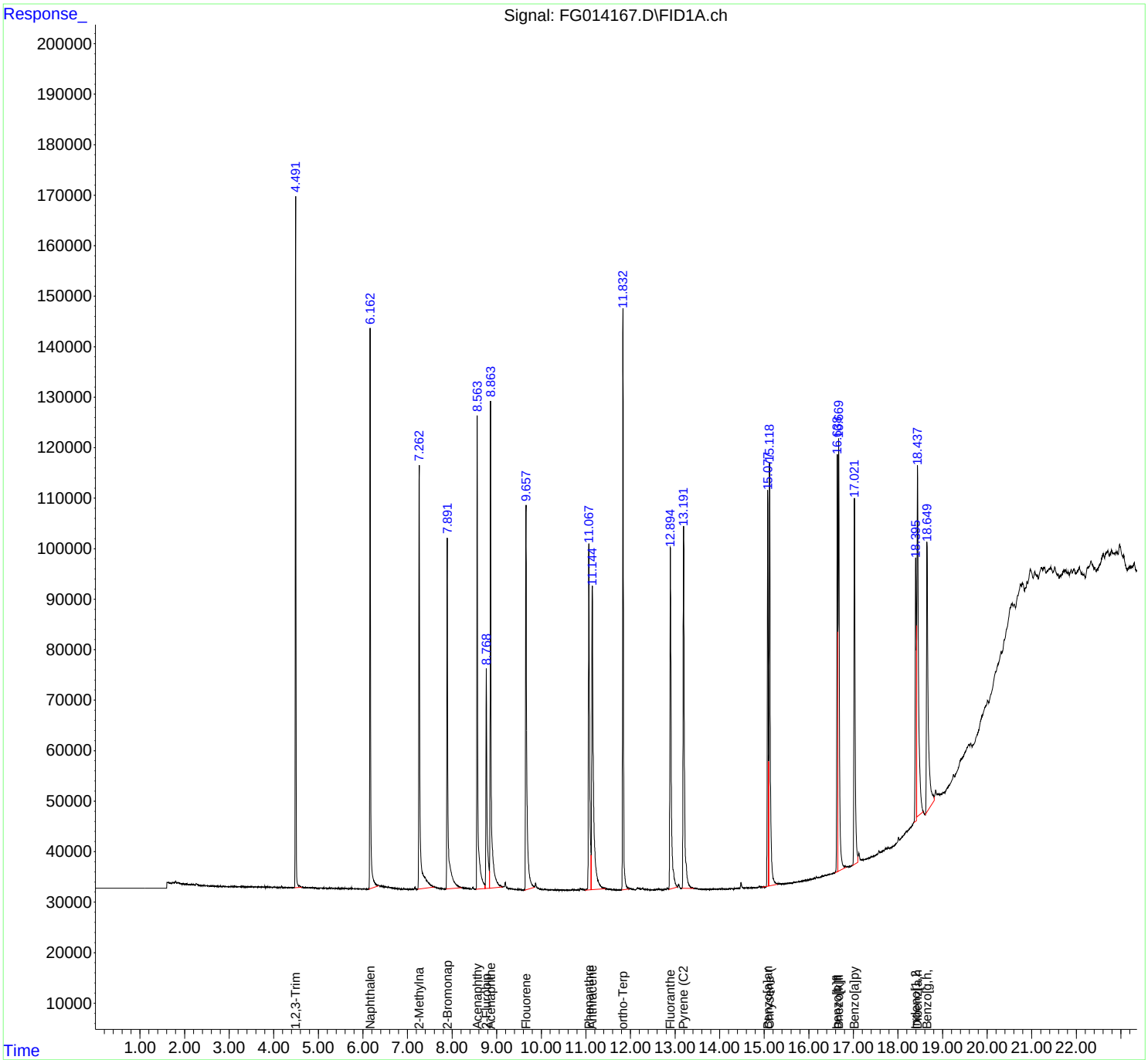
Integration File: autoint1.e
Quant Time: Sep 04 11:16:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:16:03 2024
Response via : Initial Calibration
Integrator: ChemStation

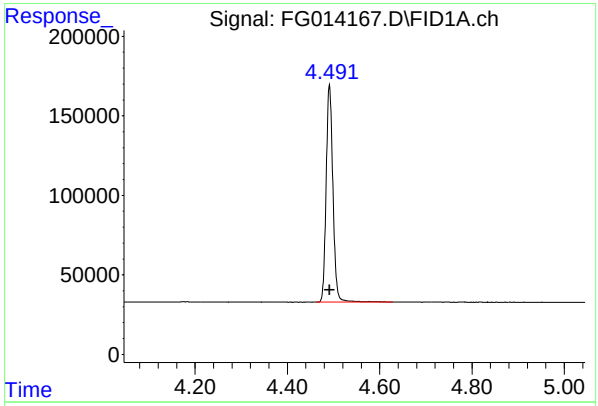
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024





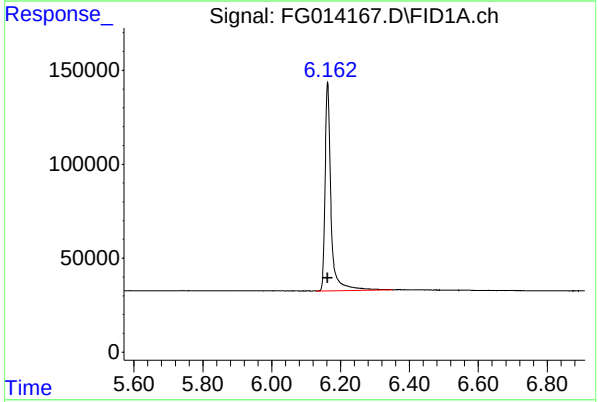
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 1393502
Conc: 10.77 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

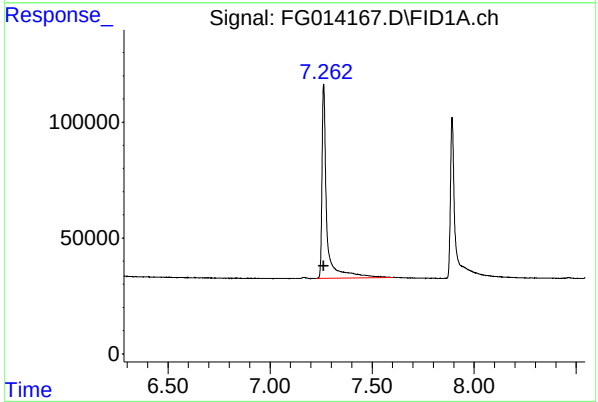
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



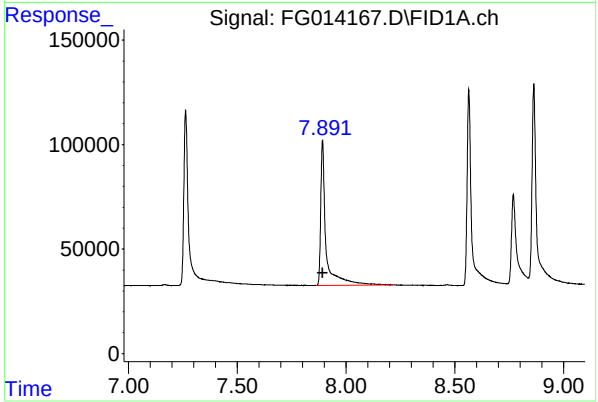
#2 Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: 0.000 min
Response: 1329048
Conc: 10.11 ug/ml



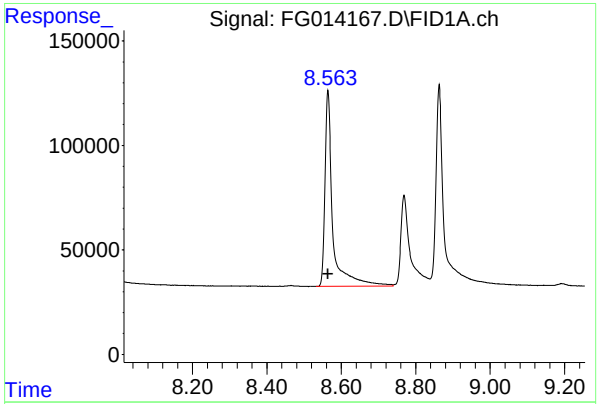
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 1390236
Conc: 10.51 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.892 min
Delta R.T.: 0.000 min
Response: 1187683
Conc: 10.38 ug/ml



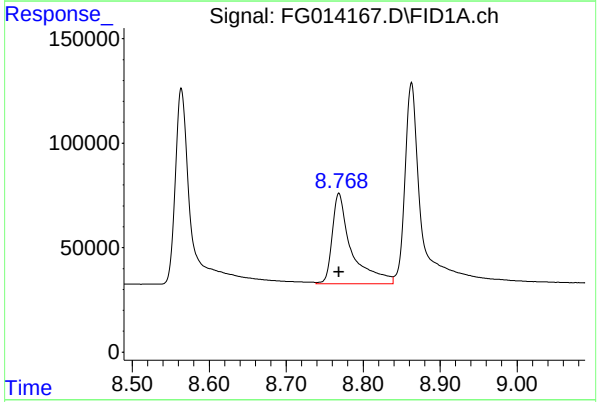
#5 Acenaphthylene (C15.06)

R.T.: 8.564 min
Delta R.T.: 0.000 min
Response: 1371433
Conc: 10.37 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

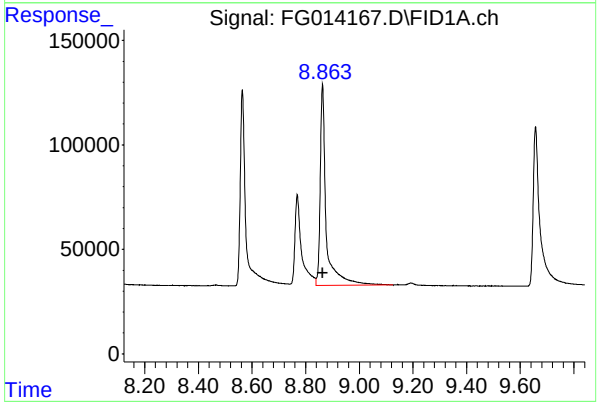
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



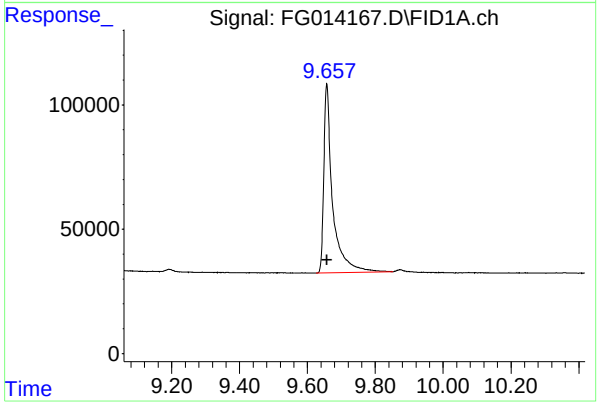
#6 2-Flurobiphenyl (SURR)

R.T.: 8.769 min
Delta R.T.: 0.000 min
Response: 756536
Conc: 9.99 ug/ml



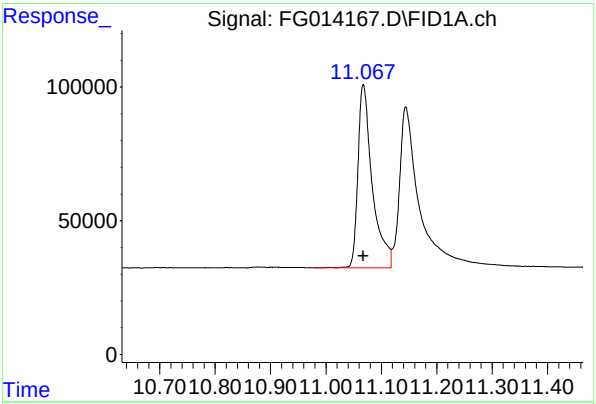
#7 Acenaphthene (C15.5)

R.T.: 8.863 min
Delta R.T.: 0.000 min
Response: 1498417
Conc: 10.94 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.657 min
Delta R.T.: 0.000 min
Response: 1371690
Conc: 10.43 ug/ml



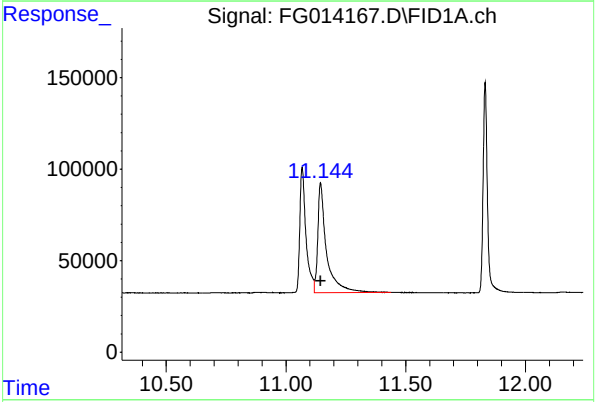
#9 Phenanthrene (C19.36)

R.T.: 11.068 min
Delta R.T.: 0.000 min
Response: 1231198
Conc: 9.85 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

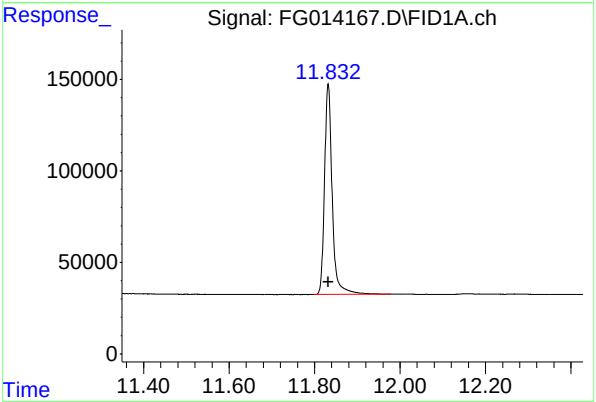
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



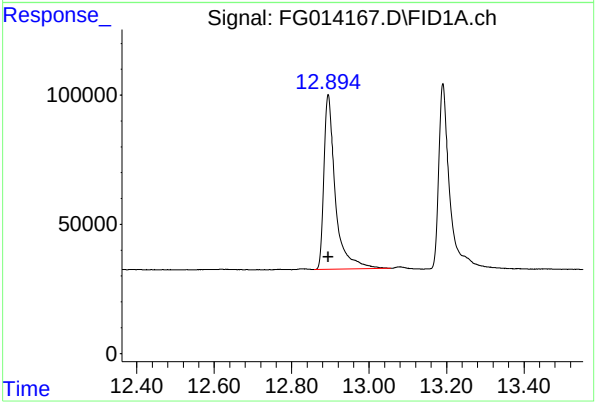
#10 Anthracene (C19.43)

R.T.: 11.145 min
Delta R.T.: 0.000 min
Response: 1542057
Conc: 11.40 ug/ml



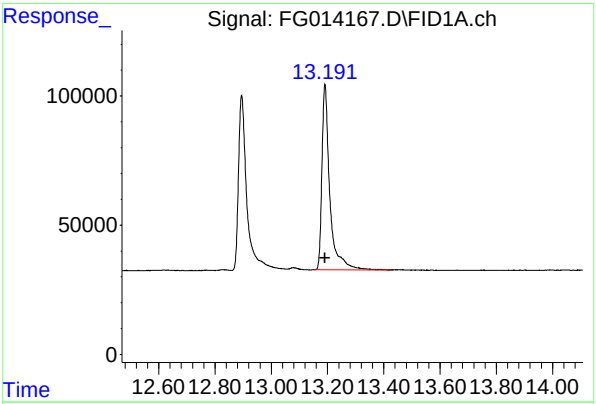
#11 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: 0.000 min
Response: 1439091
Conc: 10.71 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.895 min
Delta R.T.: 0.000 min
Response: 1377925
Conc: 10.51 ug/ml



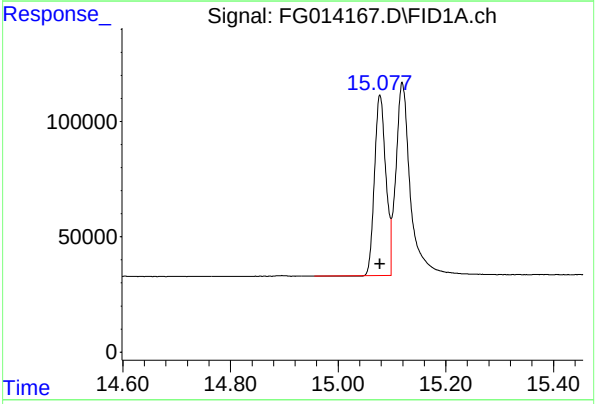
#13 Pyrene (C20.8)

R.T.: 13.191 min
Delta R.T.: 0.000 min
Response: 1400697
Conc: 10.74 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

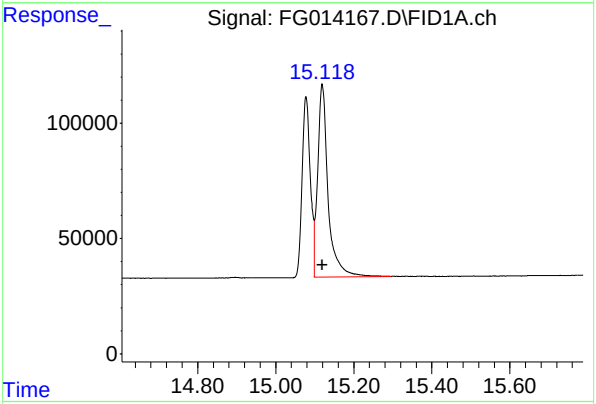
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



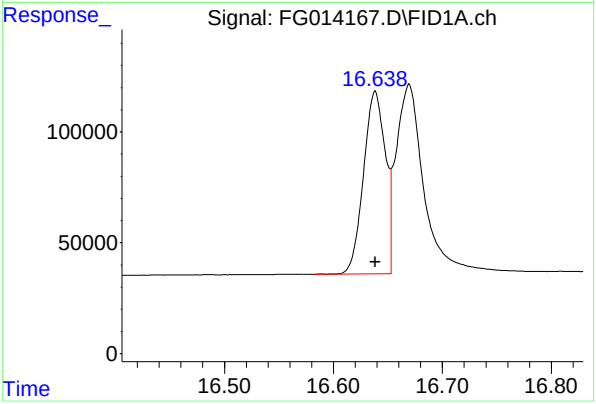
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.078 min
Delta R.T.: 0.000 min
Response: 1146227
Conc: 9.69 ug/ml



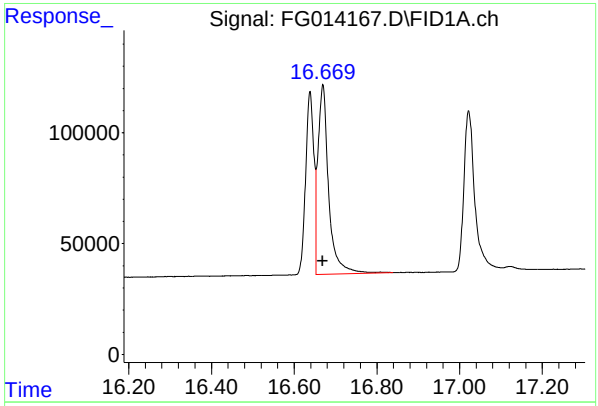
#15 Chrysene (C27.41)

R.T.: 15.119 min
Delta R.T.: 0.000 min
Response: 1576942
Conc: 11.60 ug/ml



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

R.T.: 16.638 min
Delta R.T.: 0.000 min
Response: 1142179
Conc: 9.52 ug/ml



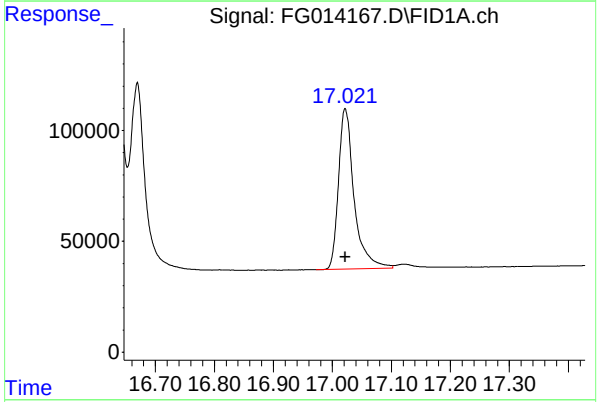
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.669 min
Delta R.T.: 0.000 mi
Response: 1532107
Conc: 11.97 ug/m

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

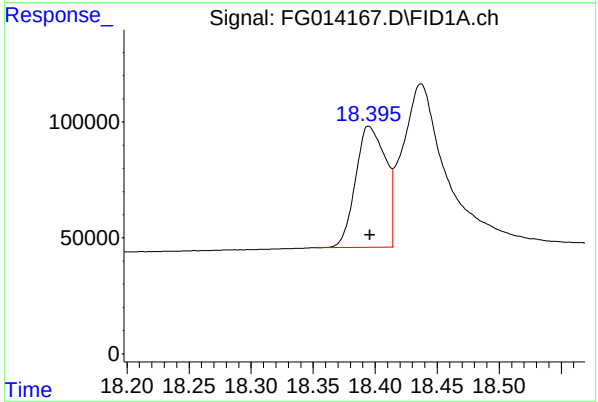
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



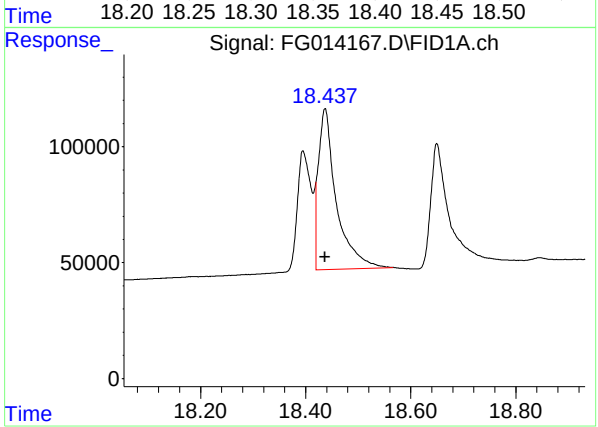
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.022 min
Delta R.T.: 0.000 min
Response: 1329252
Conc: 10.68 ug/ml



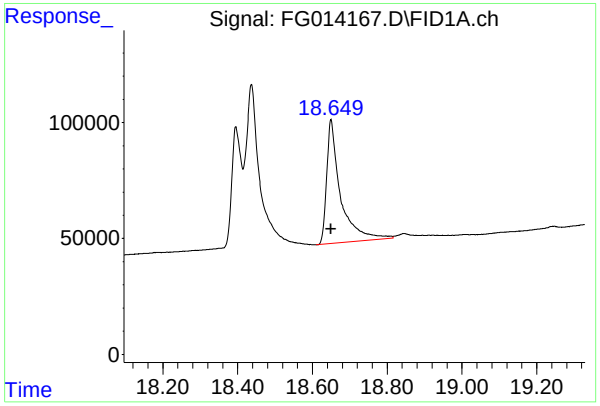
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.396 min
Delta R.T.: 0.000 min
Response: 881495
Conc: 8.39 ug/ml



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

R.T.: 18.437 min
Delta R.T.: 0.000 min
Response: 1630601
Conc: 11.15 ug/ml m



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

R.T.: 18.650 min
Delta R.T.: 0.000 mi
Response: 1379773
Conc: 10.45 ug/m

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Instrument :
FID_G
LabSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09042
Data File : FG014167.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 10:41
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.491	4.462	4.629	BB	135795	1393502	76.14%	4.958%
2	6.163	6.129	6.352	BB	110852	1329048	72.62%	4.728%
3	7.263	7.225	7.602	BB	83780	1390236	75.96%	4.946%
4	7.892	7.862	8.215	BB	69371	1187683	64.89%	4.225%
5	8.564	8.532	8.739	BV	92520	1371433	74.93%	4.879%
6	8.769	8.739	8.839	VV	43324	756536	41.33%	2.692%
7	8.863	8.839	9.125	VV	95932	1498417	81.87%	5.331%
8	9.657	9.625	9.852	BV	75928	1371690	74.95%	4.880%
9	11.068	10.979	11.118	BV	68259	1231198	67.27%	4.380%
10	11.145	11.118	11.439	VB	59809	1542057	84.25%	5.486%
11	11.832	11.799	11.979	BB	114826	1439091	78.63%	5.120%
12	12.895	12.857	13.056	PV	67626	1377925	75.29%	4.902%
13	13.191	13.152	13.425	BB	71636	1400697	76.53%	4.983%
14	15.078	14.955	15.098	BV	78101	1146227	62.63%	4.078%
15	15.119	15.098	15.295	VB	83636	1576942	86.16%	5.610%
16	16.638	16.582	16.653	BV	82408	1142179	62.41%	4.064%
17	16.669	16.653	16.839	VB	85261	1532107	83.71%	5.451%
18	17.022	16.972	17.102	BV	72289	1329252	72.63%	4.729%
19	18.396	18.352	18.414	BV	51995	881495	48.16%	3.136%
20	18.437	18.414	18.610	VV	70300	1830257	100.00%	6.512%
21	18.650	18.610	18.815	PV	53688	1379773	75.39%	4.909%
			Sum of corrected areas:			28107747		

Aromatic EPH 090424.M Wed Sep 04 14:01:37 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014168.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 11:12
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
Quant Time: Sep 04 11:26:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:26:46 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...	7.895	508804	4.548 ug/ml
Spiked Amount	50.000		Recovery =	9.10%
6) S	2-Flurobiphenyl (SURR)	8.775	305099	4.191 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	8.38%
11) S	ortho-Terphenyl (SURR)	11.832	681741	5.058 ug/ml
Spiked Amount	50.000		Recovery =	10.12%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.492	630987	4.901 ug/ml
2) T	Naphthalene (C11.7)	6.164	524504	4.158 ug/ml
3) T	2-Methylnaphthalene (...	7.266	538467	4.228 ug/ml
5) T	Acenaphthylene (C15.06)	8.566	605405	4.658 ug/ml
7) T	Acenaphthene (C15.5)	8.864	722250	5.215 ug/ml
8) T	Flouorene (C16.55)	9.661	610468	4.710 ug/ml
9) T	Phenanthrene (C19.36)	11.073	520580	4.307 ug/ml
10) T	Anthracene (C19.43)	11.152	762499	5.496 ug/ml
12) T	Fluoranthene (C21.85)	12.899	618524	4.771 ug/ml
13) T	Pyrene (C20.8)	13.194	656071	5.024 ug/ml
14) T	Benzo[a]anthracene (C...	15.085	478830	4.209 ug/ml
15) T	Chrysene (C27.41)	15.125	814353	5.761 ug/ml
16) T	benzo[b]fluoranthene ...	16.643	465608	4.062 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.673	801127	5.958 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.025	617193	5.029 ug/mlm
19) T	Indeno[1,2,3-cd]pyren...	18.403	370988	3.753 ug/ml
20) T	Dibenz[a,h]anthracene...	18.439	855207	5.821 ug/mlm
21) T	Benzo[g,h,i]perylene ...	18.652	628026	4.805 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014168.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 11:12
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

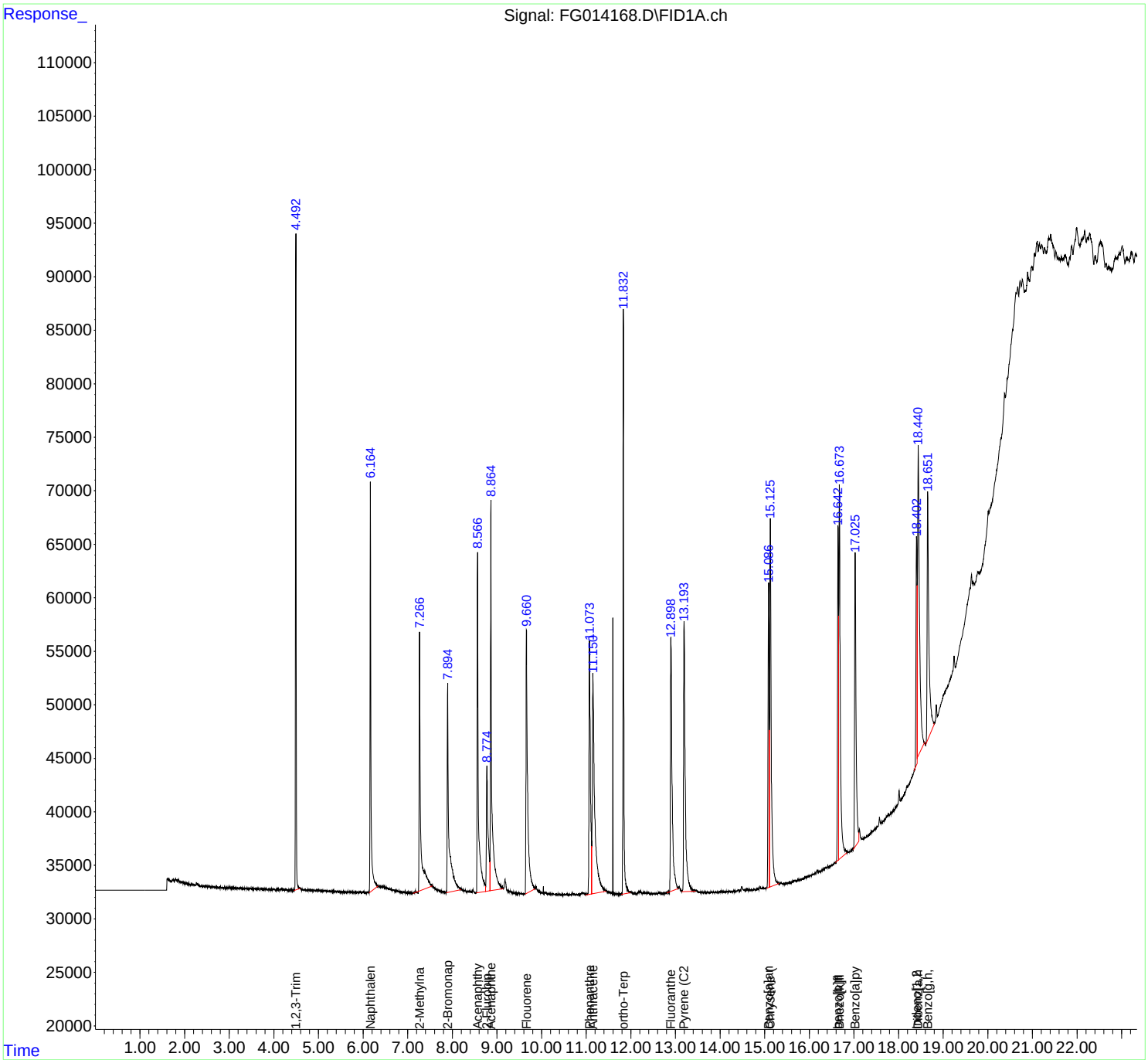
Integration File: autoint1.e
Quant Time: Sep 04 11:26:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:26:46 2024
Response via : Initial Calibration
Integrator: ChemStation

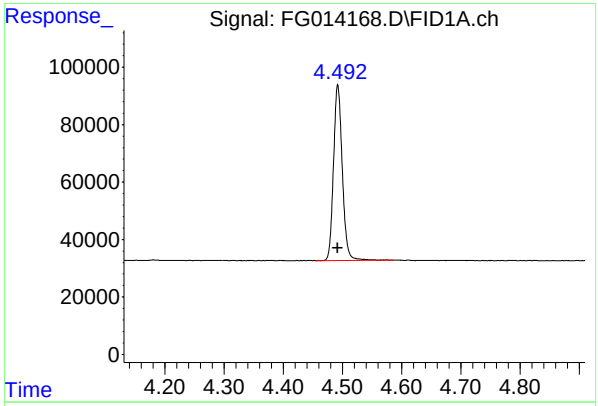
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024





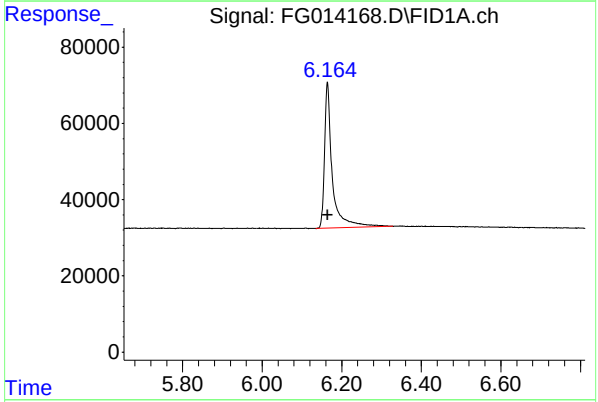
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 630987
Conc: 4.90 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

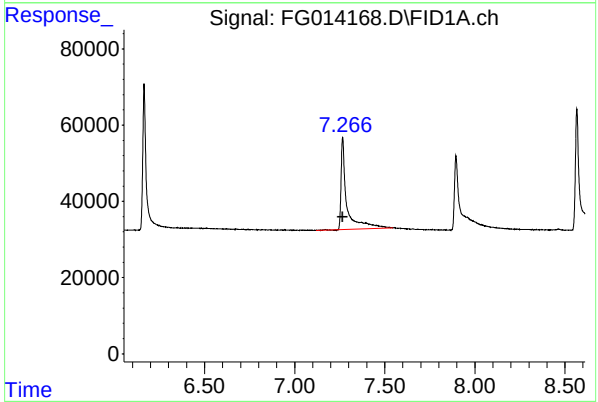
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



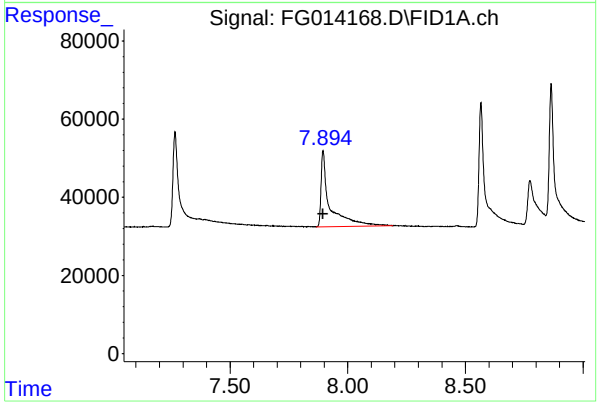
#2 Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 524504
Conc: 4.16 ug/ml



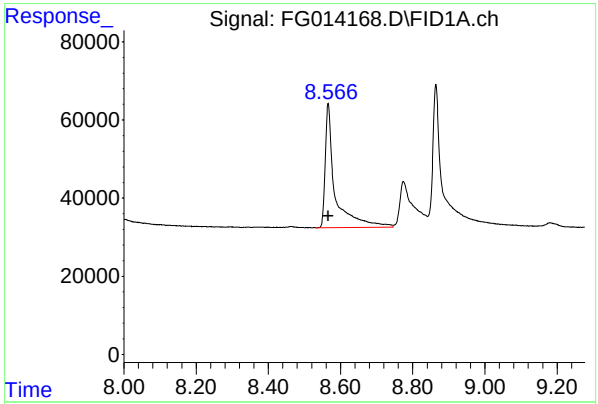
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.266 min
Delta R.T.: 0.000 min
Response: 538467
Conc: 4.23 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.895 min
Delta R.T.: 0.000 min
Response: 508804
Conc: 4.55 ug/ml



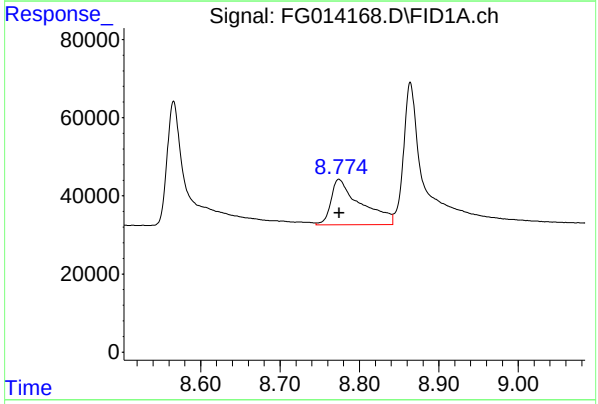
#5 Acenaphthylene (C15.06)

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 605405
Conc: 4.66 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

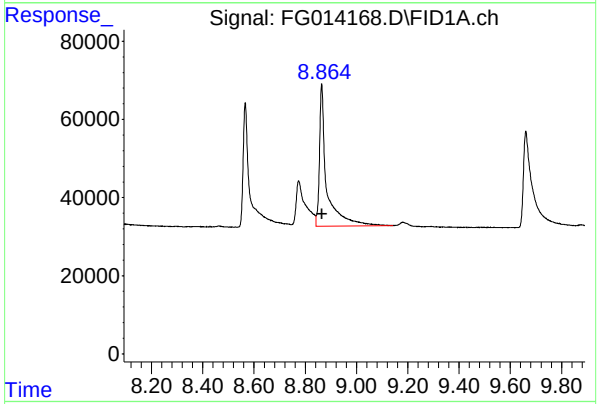
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



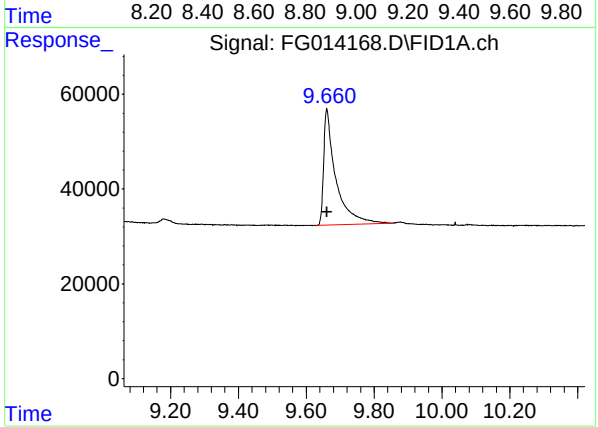
#6 2-Flurobiphenyl (SURR)

R.T.: 8.775 min
Delta R.T.: 0.000 min
Response: 305099
Conc: 4.19 ug/ml



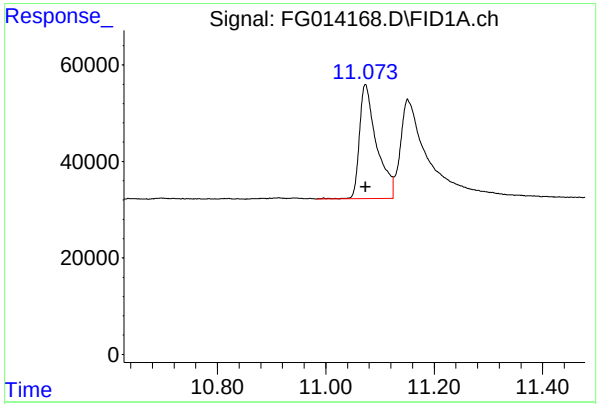
#7 Acenaphthene (C15.5)

R.T.: 8.864 min
Delta R.T.: 0.000 min
Response: 722250
Conc: 5.22 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.661 min
Delta R.T.: 0.000 min
Response: 610468
Conc: 4.71 ug/ml



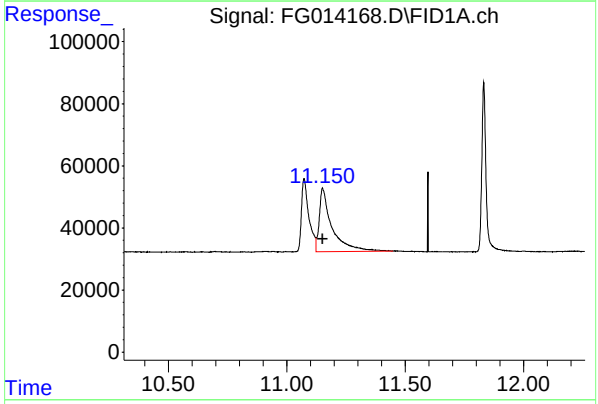
#9 Phenanthrene (C19.36)

R.T.: 11.073 min
Delta R.T.: 0.000 min
Response: 520580
Conc: 4.31 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

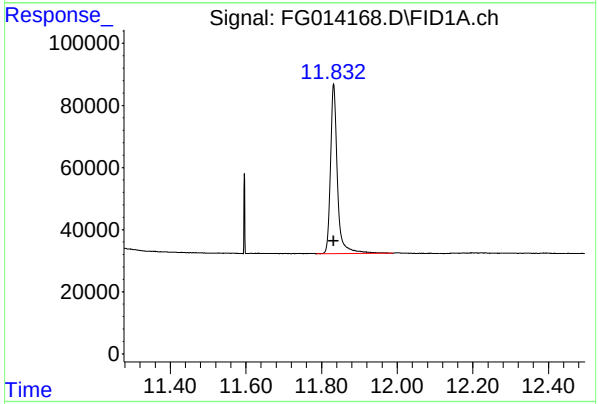
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



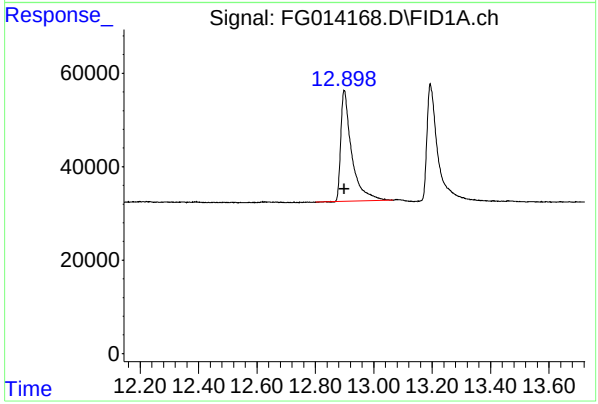
#10 Anthracene (C19.43)

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 762499
Conc: 5.50 ug/ml



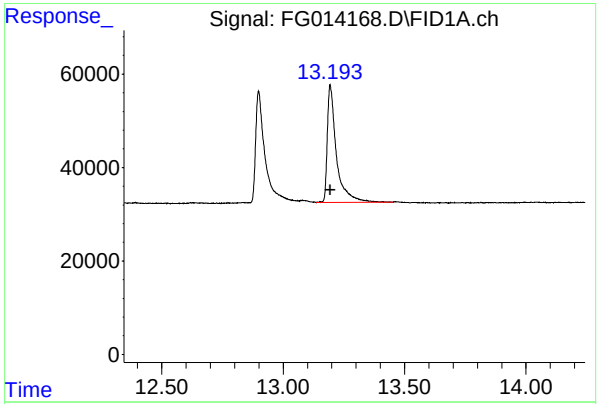
#11 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: 0.000 min
Response: 681741
Conc: 5.06 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.899 min
Delta R.T.: 0.000 min
Response: 618524
Conc: 4.77 ug/ml



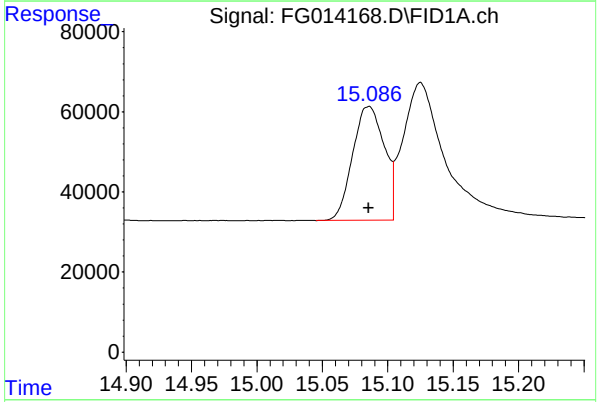
#13 Pyrene (C20.8)

R.T.: 13.194 min
Delta R.T.: 0.000 min
Response: 656071
Conc: 5.02 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

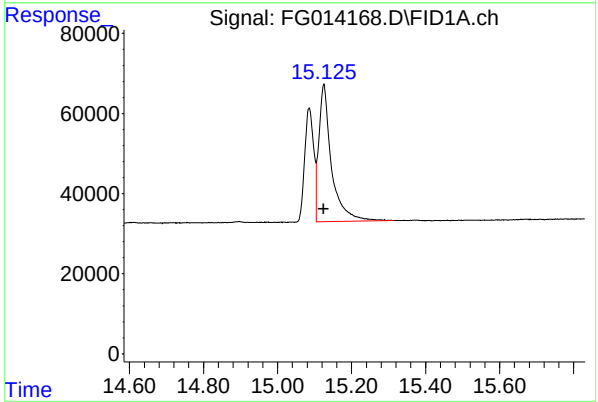
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



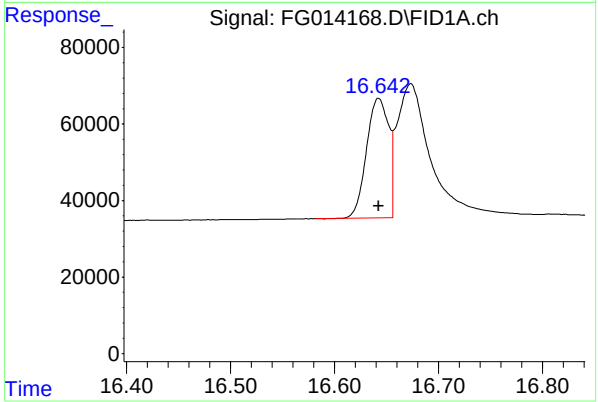
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.085 min
Delta R.T.: 0.000 min
Response: 478830
Conc: 4.21 ug/ml



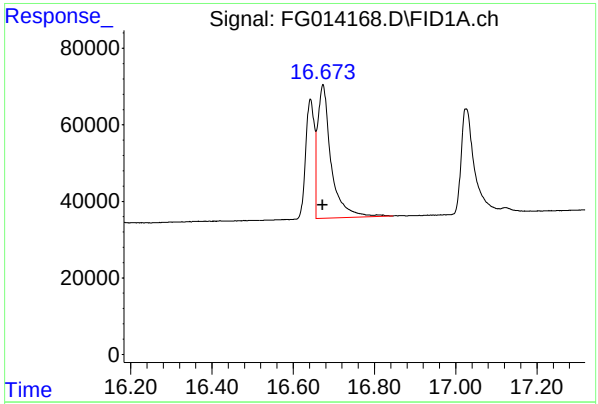
#15 Chrysene (C27.41)

R.T.: 15.125 min
Delta R.T.: 0.000 min
Response: 814353
Conc: 5.76 ug/ml



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

R.T.: 16.643 min
Delta R.T.: 0.000 min
Response: 465608
Conc: 4.06 ug/ml



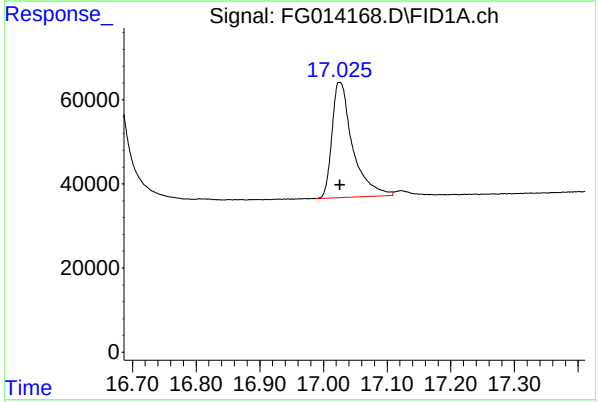
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.673 min
Delta R.T.: 0.000 mi
Response: 801127
Conc: 5.96 ug/m

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

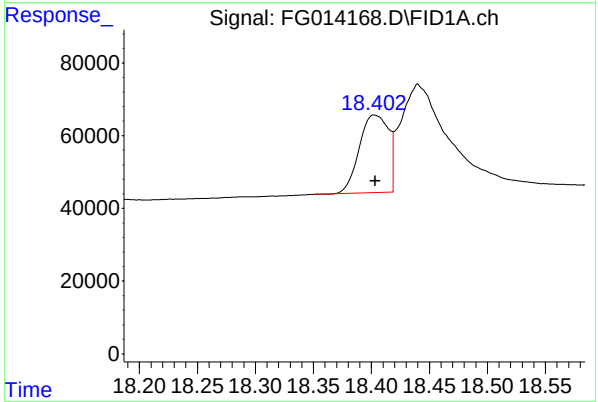
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024



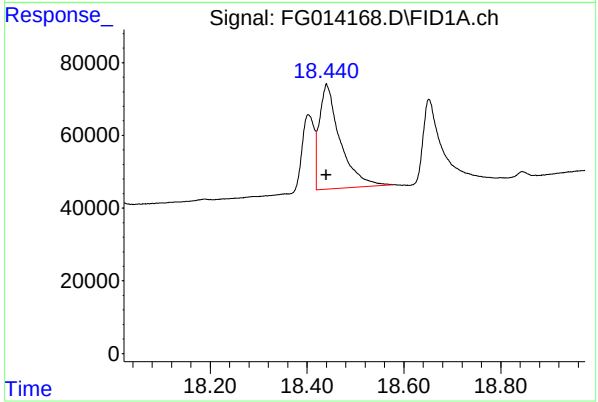
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.025 min
Delta R.T.: 0.000 min
Response: 617193
Conc: 5.03 ug/ml m



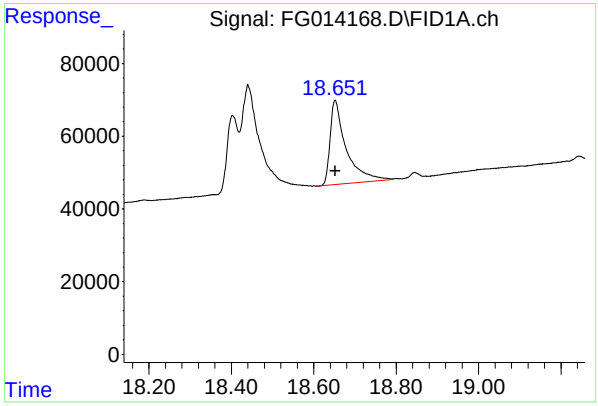
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.403 min
Delta R.T.: 0.000 min
Response: 370988
Conc: 3.75 ug/ml



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

R.T.: 18.439 min
Delta R.T.: 0.000 min
Response: 855207
Conc: 5.82 ug/ml m



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

R.T.: 18.652 min
Delta R.T.: 0.000 mi
Response: 628026
Conc: 4.81 ug/m

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Instrument :
FID_G
LabSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2024
Supervised By :Ankita Jodhani 09/04/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09042
Data File : FG014168.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 11:12
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.492	4.455	4.585	BB	61124	630987	69.48%	4.956%
2	6.164	6.135	6.329	BB	37873	524504	57.75%	4.120%
3	7.266	7.119	7.545	BB	24140	538467	59.29%	4.229%
4	7.895	7.865	8.192	BB	19446	508804	56.03%	3.996%
5	8.566	8.532	8.745	BV	31775	605405	66.66%	4.755%
6	8.775	8.745	8.842	VV	11597	305099	33.60%	2.396%
7	8.864	8.842	9.142	VV	36186	722250	79.53%	5.673%
8	9.661	9.629	9.855	BV	24368	610468	67.22%	4.795%
9	11.073	10.982	11.124	BV	23707	520580	57.32%	4.089%
10	11.152	11.124	11.449	VB	20336	762499	83.96%	5.989%
11	11.832	11.785	11.989	BV	54536	681741	75.07%	5.355%
12	12.899	12.802	13.065	BV	23760	618524	68.11%	4.858%
13	13.194	13.135	13.452	BB	25182	656071	72.24%	5.153%
14	15.085	15.045	15.104	BV	28407	478830	52.72%	3.761%
15	15.125	15.104	15.312	VB	34356	814353	89.67%	6.396%
16	16.643	16.582	16.656	BV	31282	465608	51.27%	3.657%
17	16.673	16.656	16.845	VB	34907	801127	88.21%	6.293%
18	17.026	16.972	17.109	BV	27050	578944	63.75%	4.547%
19	18.403	18.352	18.419	BV	21347	370988	40.85%	2.914%
20	18.441	18.419	18.605	VV	28967	908167	100.00%	7.133%
21	18.652	18.605	18.792	PV	23169	628026	69.15%	4.933%
			Sum of corrected areas:			12731441		

Aromatic EPH 090424.M Wed Sep 04 14:02:03 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014169.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 11:42
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 04 12:28:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.889	2291523	20.482 ug/ml
	Spiked Amount 50.000		Recovery = 40.96%	
6)	S 2-Flurobiphenyl (SURR)	8.765	1509379	20.731 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 41.46%	
11)	S ortho-Terphenyl (SURR)	11.833	2697600	20.012 ug/ml
	Spiked Amount 50.000		Recovery = 40.02%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.492	2541360	19.741 ug/ml
2)	T Naphthalene (C11.7)	6.162	2620485	20.774 ug/ml
3)	T 2-Methylnaphthalene (...	7.261	2589143	20.328 ug/ml
5)	T Acenaphthylene (C15.06)	8.563	2621454	20.169 ug/ml
7)	T Acenaphthene (C15.5)	8.862	2734429	19.745 ug/ml
8)	T Flouorene (C16.55)	9.655	2641250	20.377 ug/ml
9)	T Phenanthrene (C19.36)	11.064	2482400	20.540 ug/ml
10)	T Anthracene (C19.43)	11.140	2728220	19.665 ug/ml
12)	T Fluoranthene (C21.85)	12.890	2647480	20.422 ug/ml
13)	T Pyrene (C20.8)	13.188	2655911	20.340 ug/ml
14)	T Benzo[a]anthracene (C...	15.074	2351966	20.675 ug/ml
15)	T Chrysene (C27.41)	15.115	2728220	19.299 ug/ml
16)	T benzo[b]fluoranthene ...	16.634	2343786	20.449 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.666	2595772	19.304 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.018	2464866	19.837 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.392	1921684	19.441 ug/ml
20)	T Dibenz[a,h]anthracene...	18.431	3057640	20.770 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.651	2662614	20.372 ug/ml

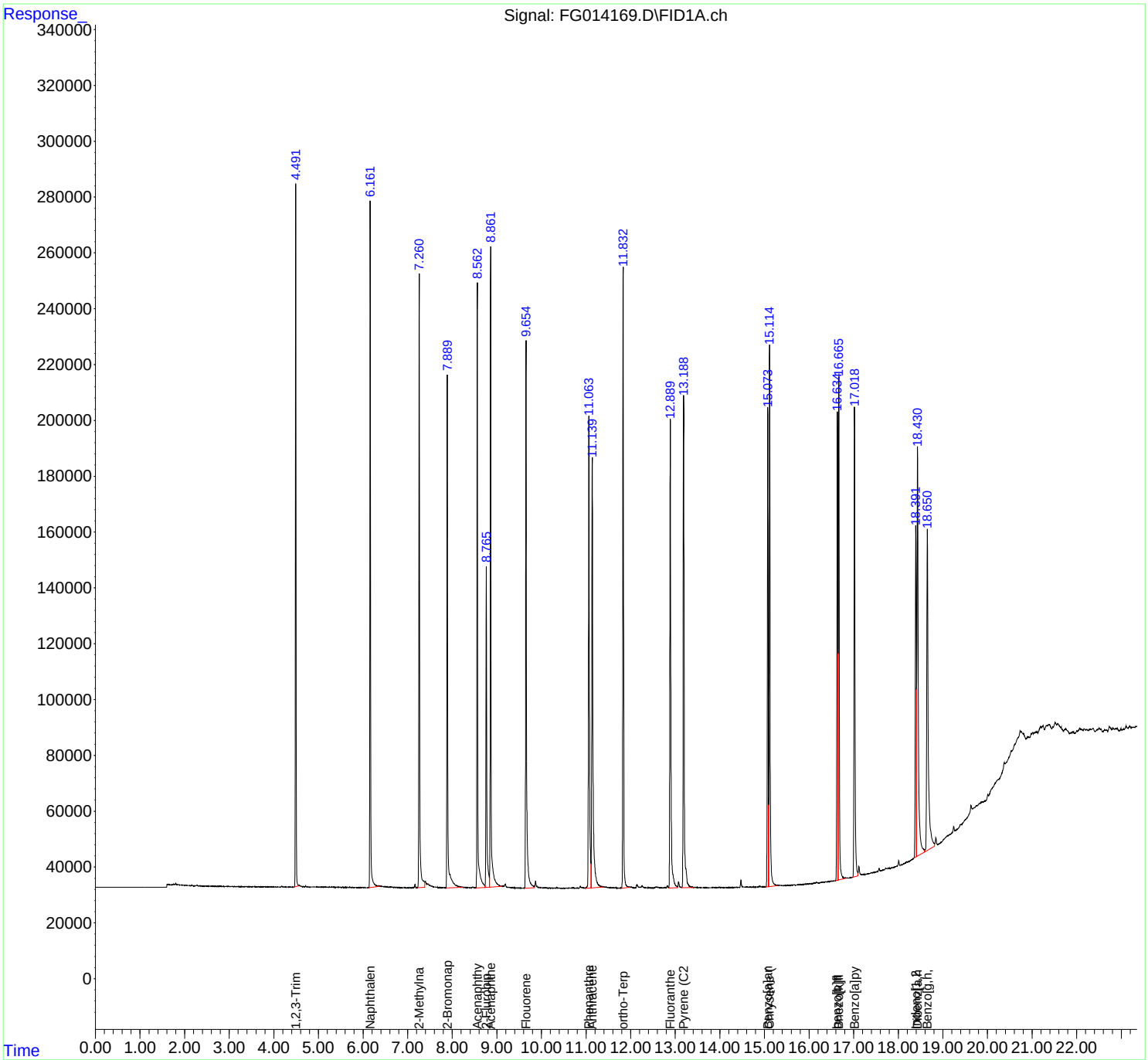
(f)=RT Delta > 1/2 Window (m)=manual int.

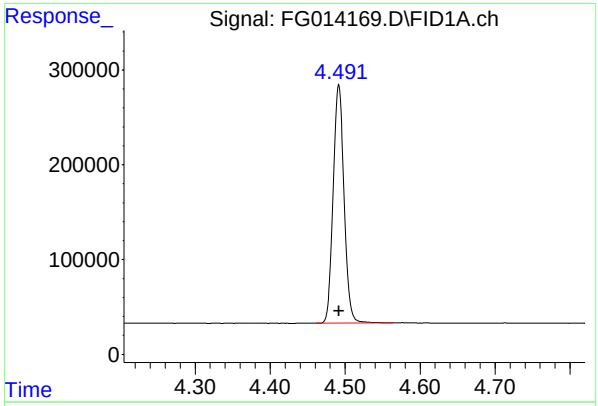
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014169.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 11:42
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 04 12:28:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

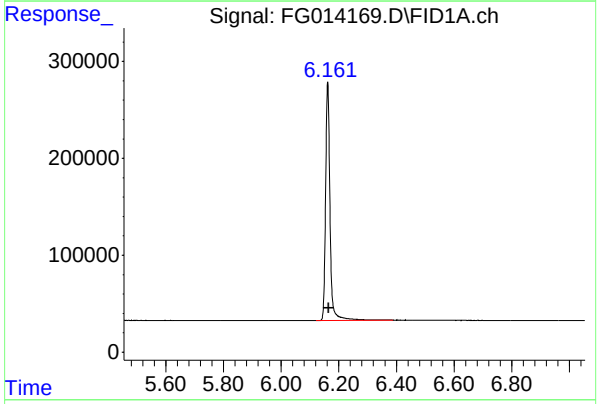




#1 1,2,3-Trimethylbenzene (C10.1)

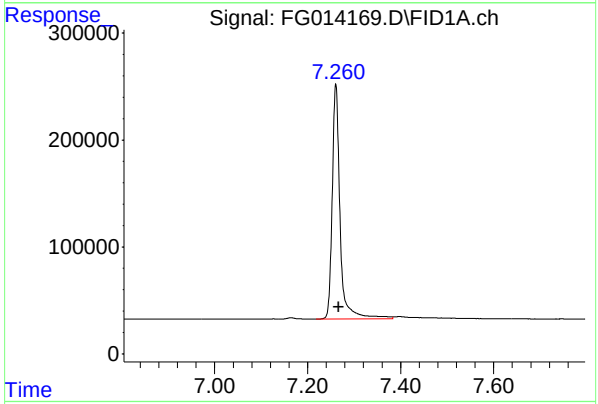
R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 2541360
Conc: 19.74 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



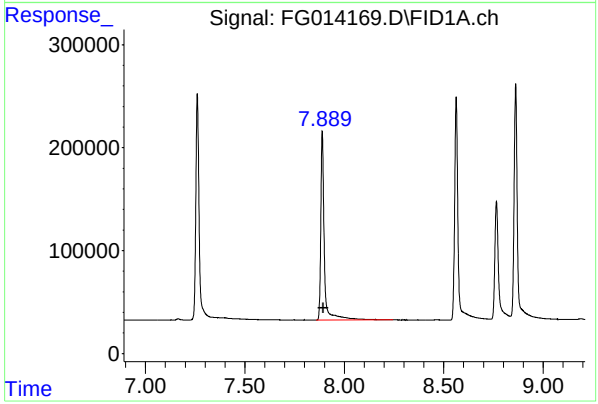
#2 Naphthalene (C11.7)

R.T.: 6.162 min
Delta R.T.: -0.003 min
Response: 2620485
Conc: 20.77 ug/ml



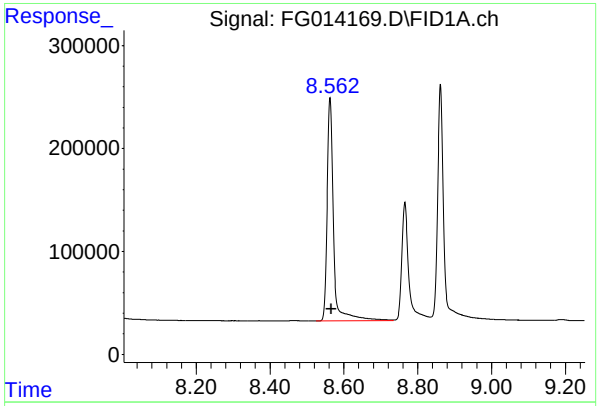
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.261 min
Delta R.T.: -0.005 min
Response: 2589143
Conc: 20.33 ug/ml



#4 2-Bromonaphthalene (SURR)

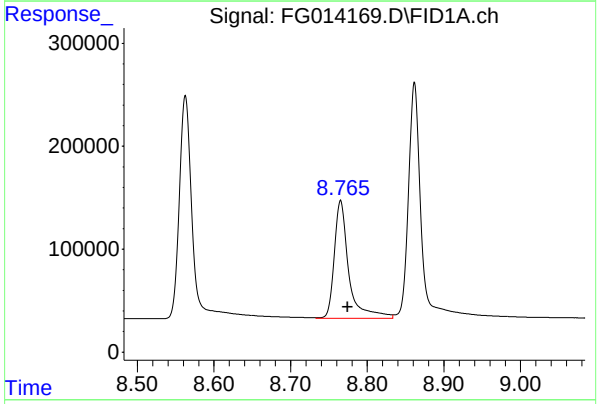
R.T.: 7.889 min
Delta R.T.: -0.006 min
Response: 2291523
Conc: 20.48 ug/ml



#5 Acenaphthylene (C15.06)

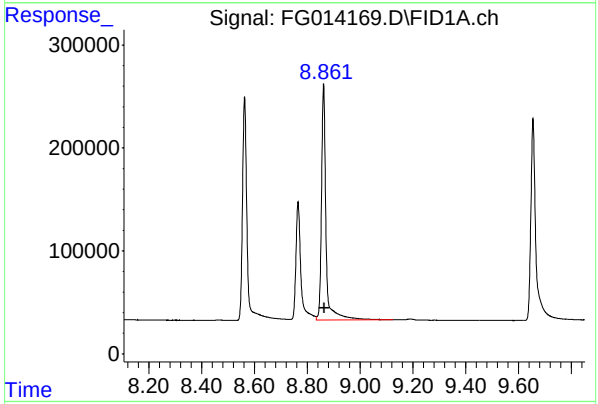
R.T.: 8.563 min
Delta R.T.: -0.004 min
Response: 2621454
Conc: 20.17 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



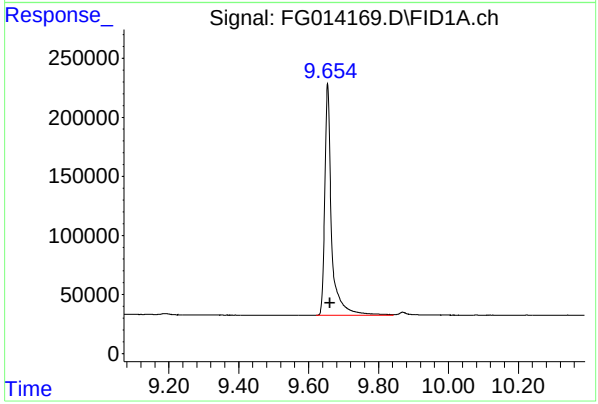
#6 2-Flurobiphenyl (SURR)

R.T.: 8.765 min
Delta R.T.: -0.010 min
Response: 1509379
Conc: 20.73 ug/ml



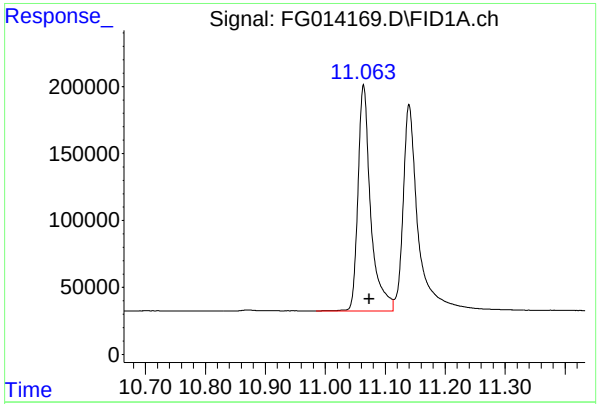
#7 Acenaphthene (C15.5)

R.T.: 8.862 min
Delta R.T.: -0.003 min
Response: 2734429
Conc: 19.75 ug/ml



#8 Flouorene (C16.55)

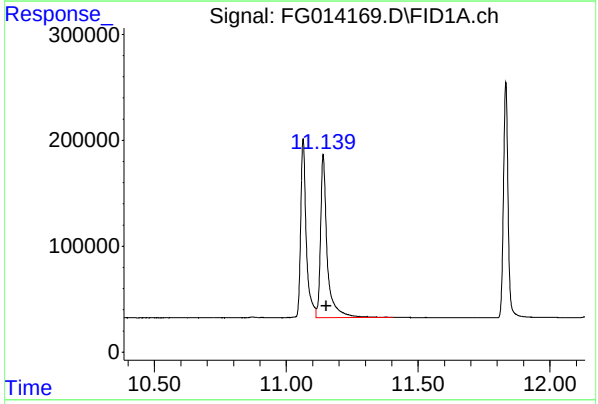
R.T.: 9.655 min
Delta R.T.: -0.006 min
Response: 2641250
Conc: 20.38 ug/ml



#9 Phenanthrene (C19.36)

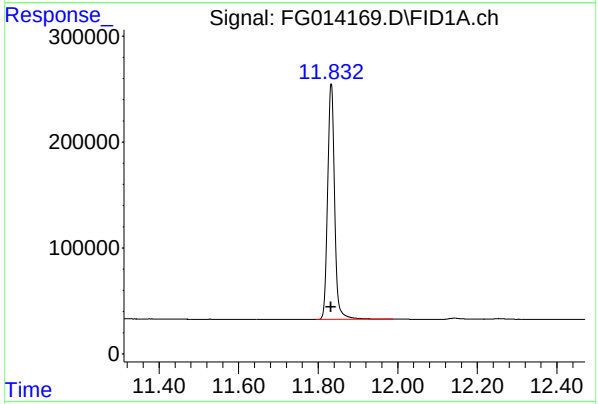
R.T.: 11.064 min
Delta R.T.: -0.009 min
Response: 2482400
Conc: 20.54 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



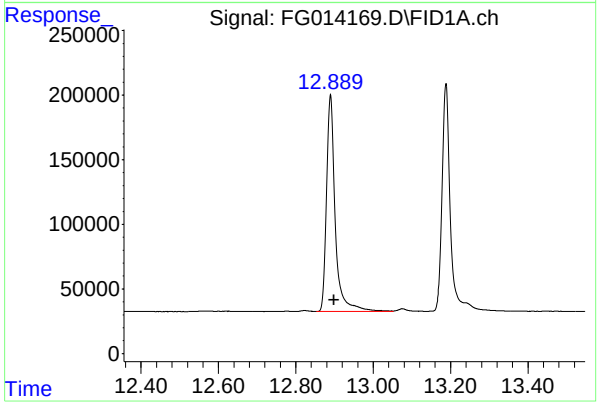
#10 Anthracene (C19.43)

R.T.: 11.140 min
Delta R.T.: -0.012 min
Response: 2728220
Conc: 19.66 ug/ml



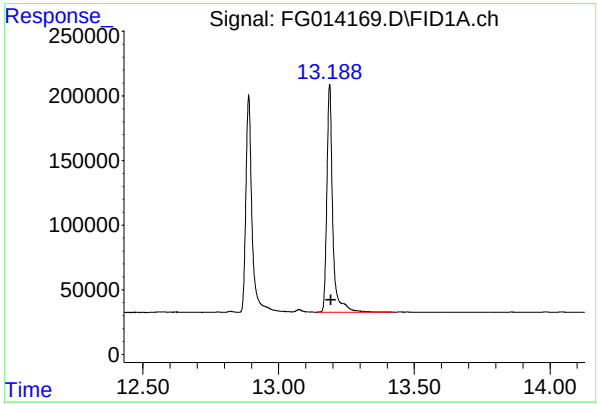
#11 ortho-Terphenyl (SURR)

R.T.: 11.833 min
Delta R.T.: 0.000 min
Response: 2697600
Conc: 20.01 ug/ml



#12 Fluoranthene (C21.85)

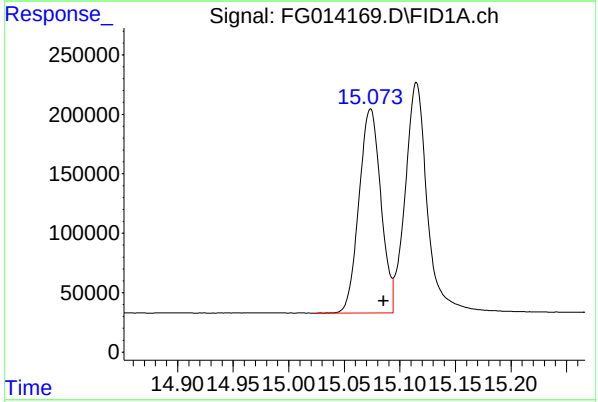
R.T.: 12.890 min
Delta R.T.: -0.009 min
Response: 2647480
Conc: 20.42 ug/ml



#13 Pyrene (C20.8)

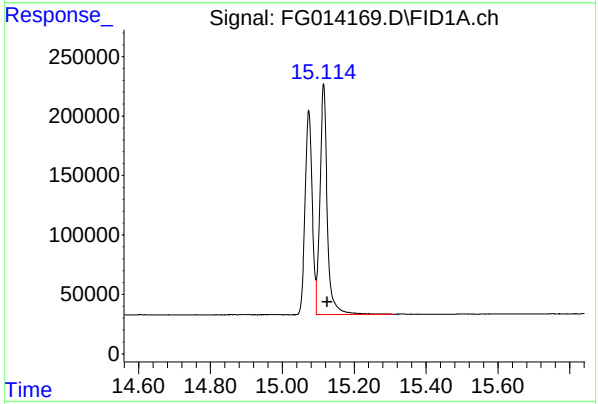
R.T.: 13.188 min
Delta R.T.: -0.006 min
Response: 2655911
Conc: 20.34 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



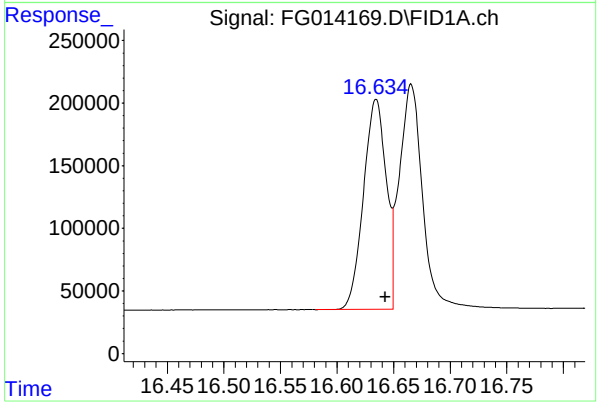
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.074 min
Delta R.T.: -0.012 min
Response: 2351966
Conc: 20.67 ug/ml



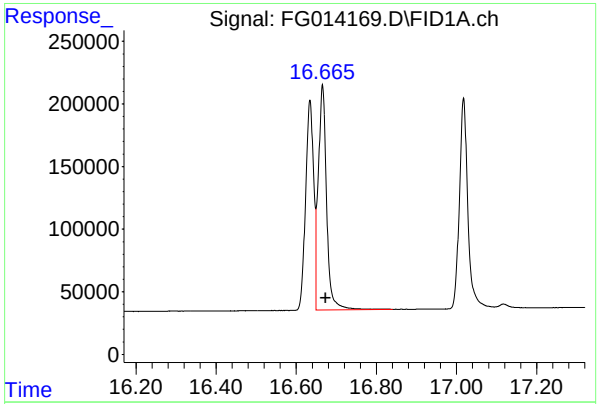
#15 Chrysene (C27.41)

R.T.: 15.115 min
Delta R.T.: -0.010 min
Response: 2728220
Conc: 19.30 ug/ml



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

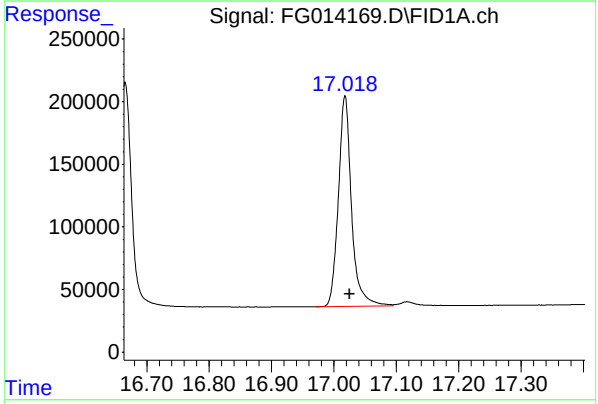
R.T.: 16.634 min
Delta R.T.: -0.008 min
Response: 2343786
Conc: 20.45 ug/ml



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

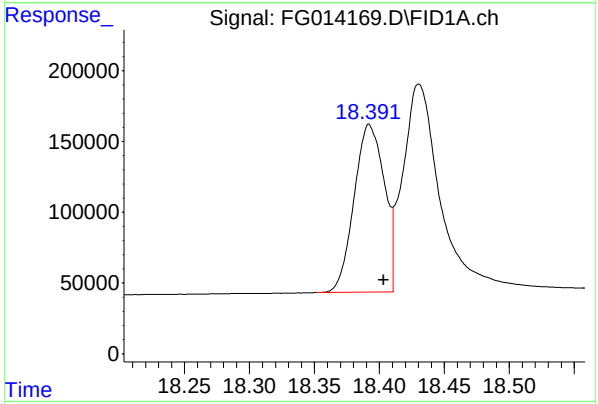
R.T.: 16.666 min
Delta R.T.: -0.008 min
Response: 2595772
Conc: 19.30 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



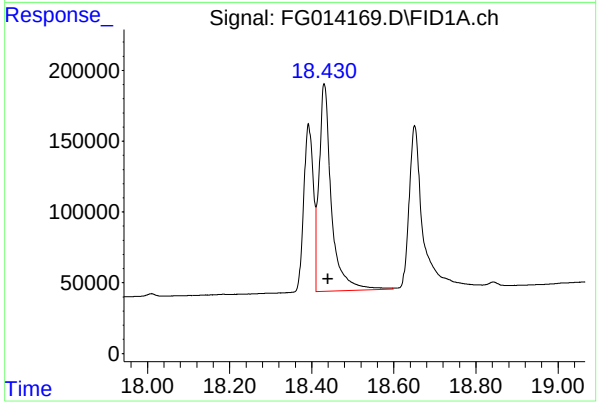
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.018 min
Delta R.T.: -0.007 min
Response: 2464866
Conc: 19.84 ug/ml



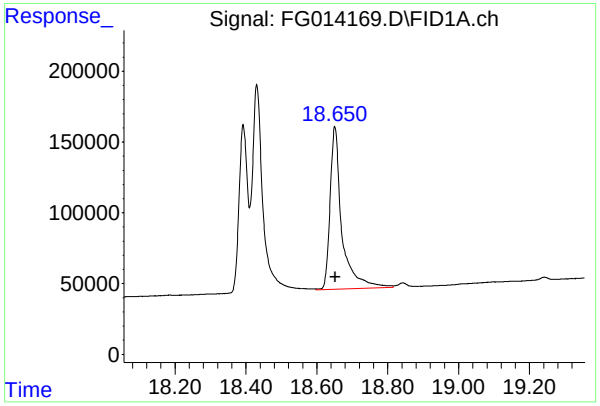
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.392 min
Delta R.T.: -0.011 min
Response: 1921684
Conc: 19.44 ug/ml



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

R.T.: 18.431 min
Delta R.T.: -0.009 min
Response: 3057640
Conc: 20.77 ug/ml



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

R.T.: 18.651 min
Delta R.T.: -0.001 mi
Response: 2662614
Conc: 20.37 ug/m

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090424AR\
Data File : FG014169.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2024 11:42
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.492	4.461	4.564	BV	251246	2541360	83.12%	4.805%
2	6.162	6.121	6.388	BB	245759	2620485	85.70%	4.955%
3	7.261	7.218	7.383	PV	219573	2589143	84.68%	4.896%
4	7.889	7.858	8.245	BB	183865	2291523	74.94%	4.333%
5	8.563	8.525	8.733	BV	216327	2621454	85.73%	4.957%
6	8.765	8.733	8.833	VV	114399	1509379	49.36%	2.854%
7	8.862	8.833	9.125	VV	228985	2734429	89.43%	5.170%
8	9.655	9.621	9.841	BV	195823	2641250	86.38%	4.994%
9	11.064	10.985	11.113	BV	168378	2482400	81.19%	4.694%
10	11.140	11.113	11.405	VB	153057	2728220	89.23%	5.159%
11	11.833	11.795	11.988	BB	222211	2697600	88.22%	5.101%
12	12.890	12.853	13.051	VV	166700	2647480	86.59%	5.006%
13	13.188	13.138	13.421	VB	176497	2655911	86.86%	5.022%
14	15.074	15.025	15.094	BV	172047	2351966	76.92%	4.447%
15	15.115	15.094	15.308	VB	194280	2728220	89.23%	5.159%
16	16.634	16.581	16.649	BV	168246	2343786	76.65%	4.432%
17	16.666	16.649	16.841	VB	179980	2595772	84.89%	4.908%
18	17.018	16.971	17.094	BV	168276	2464866	80.61%	4.661%
19	18.392	18.351	18.411	BV	118479	1921684	62.85%	3.634%
20	18.431	18.411	18.598	VV	146336	3057640	100.00%	5.781%
21	18.651	18.598	18.815	VV	114837	2662614	87.08%	5.035%
			Sum of corrected areas:			52887180		

Aromatic EPH 090424.M Wed Sep 04 14:02:36 2024

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

Continuing Calibration Report for SequenceID : FC091924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067178.D**						
Aliphatic C9-C12	6866172.000	60.000	3.177	6.459	114436.200	133603.315	14.346
Aliphatic C12-C16	4543224.000	40.000	6.460	9.852	113580.600	128900.867	11.885
Aliphatic C16-C21	6493224.000	60.000	9.853	13.212	108220.400	121616.431	11.015
Aliphatic C21-C28	8085597.000	80.000	13.213	16.869	101069.963	111967.399	9.733
Aliphatic C28-C40	9967991.000	120.000	16.870	21.722	83066.592	88261.110	5.885
Aliphatic EPH	35956208.000	360.000	3.177	21.722	99878.356	111160.957	10.150

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:	19 Sep 2024 18:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067178.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.177	6.459	6866172.000	60.000	ug/ml
Aliphatic C12-C16	6.460	9.852	4543224.000	40.000	ug/ml
Aliphatic C16-C21	9.853	13.212	6493224.000	60.000	ug/ml
Aliphatic C21-C28	13.213	16.869	8085597.000	80.000	ug/ml
Aliphatic C28-C40	16.870	21.722	9967991.000	120.000	ug/ml
Aliphatic EPH	3.177	21.722	35956208.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067178.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 18:42
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: Sep 20 03:52:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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)	11.504	2426152	17.424 ug/ml
Spiked Amount	50.000		Recovery =	34.85%
12) S	1-chlorooctadecane (S...	12.943	1758642	18.003 ug/ml
Spiked Amount	50.000		Recovery =	36.01%
	Target Compounds			
1) T	n-Nonane (C9)	3.277	2243012	16.910 ug/ml
2) T	n-Decane (C10)	4.342	2307492	17.181 ug/ml
3) T	A~Naphthalene (C11.7)	5.921	2444322	17.198 ug/ml
4) T	n-Dodecane (C12)	6.359	2315668	17.300 ug/ml
5) T	A~2-methylnaphthalene...	6.977	2309122	17.292 ug/ml
6) T	n-Tetradecane (C14)	8.152	2257742	17.519 ug/ml
7) T	n-Hexadecane (C16)	9.752	2285482	17.727 ug/ml
8) T	n-Octadecane (C18)	11.192	2281377	17.831 ug/ml
10) T	n-Eicosane (C20)	12.500	2134385	17.770 ug/ml
11) T	n-Heneicosane (C21)	13.112	2077462	17.787 ug/ml
13) T	n-Docosane (C22)	13.696	2051343	17.767 ug/ml
14) T	n-Tetracosane (C24)	14.799	2035693	17.926 ug/ml
15) T	n-Hexacosane (C26)	15.819	1989791	17.954 ug/ml
16) T	n-Octacosane (C28)	16.768	2008770	18.596 ug/ml
17) T	n-Tricontane (C30)	17.654	2133980	19.618 ug/ml
18) T	n-Dotriacontane (C32)	18.487	2093929	20.075 ug/ml
19) T	n-Tetratriacontane (C34)	19.270	1828272	19.817 ug/ml
20) T	n-Hexatriacontane (C36)	20.008	1502764	18.963 ug/ml
21) T	n-Octatriacontane (C38)	20.735	1303955	17.359 ug/ml
22) T	n-Tetracontane (C40)	21.623	1105091	15.818 ug/ml

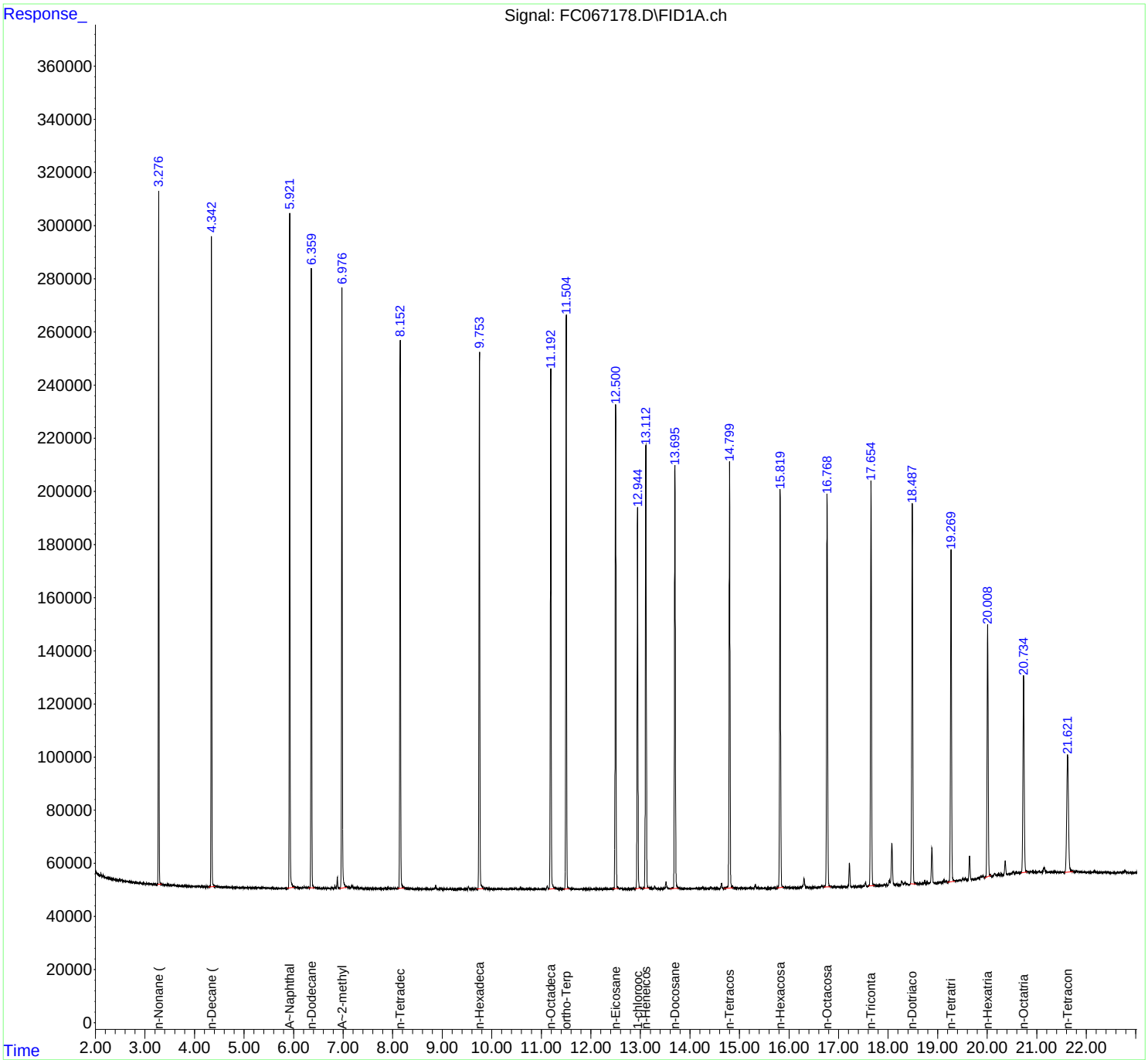
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067178.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 18:42
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: Sep 20 03:52:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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\FC091924AL\
Data File : FC067178.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 18:42
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 091024.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	3.277	3.250	3.330	BB	259454	2243012	91.76%	4.996%
2	4.342	4.290	4.410	BB	244886	2307492	94.40%	5.140%
3	5.921	5.869	6.017	BB	253068	2444322	100.00%	5.445%
4	6.359	6.295	6.425	BB	232536	2315668	94.74%	5.158%
5	6.977	6.929	7.077	BB	224997	2309122	94.47%	5.143%
6	8.152	8.097	8.239	BB	205782	2257742	92.37%	5.029%
7	9.752	9.695	9.834	BB	200562	2285482	93.50%	5.091%
8	11.192	11.157	11.274	BB	195915	2281377	93.33%	5.082%
9	11.504	11.449	11.565	BB	215442	2426152	99.26%	5.404%
10	12.500	12.435	12.560	BB	181966	2134385	87.32%	4.754%
11	12.943	12.882	13.007	BB	142451	1758642	71.95%	3.917%
12	13.112	13.050	13.180	BB	165603	2077462	84.99%	4.627%
13	13.696	13.597	13.774	BB	156966	2051343	83.92%	4.569%
14	14.799	14.687	14.875	BB	159638	2035693	83.28%	4.534%
15	15.819	15.759	15.885	BB	149834	1989791	81.40%	4.432%
16	16.768	16.700	16.847	BB	146862	2008770	82.18%	4.474%
17	17.654	17.600	17.727	BB	151832	2133980	87.30%	4.753%
18	18.487	18.450	18.555	BB	142798	2093929	85.67%	4.664%
19	19.270	19.200	19.350	BB	124103	1828272	74.80%	4.072%
20	20.008	19.955	20.069	BB	94697	1502764	61.48%	3.347%
21	20.735	20.682	20.810	BB	73968	1303955	53.35%	2.904%
22	21.623	21.560	21.730	BB	43962	1105091	45.21%	2.462%
			Sum of corrected areas:			44894444		

Aliphatic EPH 091024.M Fri Sep 20 04:31:01 2024

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

Continuing Calibration Report for SequenceID : FC091924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067193.D**						
Aliphatic C9-C12	6890097.000	60.000	3.177	6.459	114834.950	133603.315	14.048
Aliphatic C12-C16	4547338.000	40.000	6.460	9.852	113683.450	128900.867	11.806
Aliphatic C16-C21	6552052.000	60.000	9.853	13.212	109200.867	121616.431	10.209
Aliphatic C21-C28	8141290.000	80.000	13.213	16.869	101766.125	111967.399	9.111
Aliphatic C28-C40	10297528.000	120.000	16.870	21.722	85812.733	88261.110	2.774
Aliphatic EPH	36428305.000	360.000	3.177	21.722	101189.736	111160.957	8.970

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	20 Sep 2024 06:05
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067193.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.177	6.459	6890097.000	60.000	ug/ml
Aliphatic C12-C16	6.460	9.852	4547338.000	40.000	ug/ml
Aliphatic C16-C21	9.853	13.212	6552052.000	60.000	ug/ml
Aliphatic C21-C28	13.213	16.869	8141290.000	80.000	ug/ml
Aliphatic C28-C40	16.870	21.722	10297528.000	120.000	ug/ml
Aliphatic EPH	3.177	21.722	36428305.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067193.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 06:05
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: Sep 20 06:55:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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)	11.503	2441804	17.536 ug/ml
Spiked Amount	50.000		Recovery =	35.07%
12) S	1-chlorooctadecane (S...	12.942	1766949	18.088 ug/ml
Spiked Amount	50.000		Recovery =	36.18%
	Target Compounds			
1) T	n-Nonane (C9)	3.276	2252752	16.983 ug/ml
2) T	n-Decane (C10)	4.342	2318852	17.265 ug/ml
3) T	A~Naphthalene (C11.7)	5.921	2448938	17.231 ug/ml
4) T	n-Dodecane (C12)	6.358	2318493	17.321 ug/ml
5) T	A~2-methylnaphthalene...	6.976	2314726	17.334 ug/ml
6) T	n-Tetradecane (C14)	8.152	2260921	17.543 ug/ml
7) T	n-Hexadecane (C16)	9.751	2286417	17.734 ug/ml
8) T	n-Octadecane (C18)	11.191	2300883	17.984 ug/ml
10) T	n-Eicosane (C20)	12.499	2156181	17.951 ug/ml
11) T	n-Heneicosane (C21)	13.110	2094988	17.938 ug/ml
13) T	n-Docosane (C22)	13.696	2069826	17.927 ug/ml
14) T	n-Tetracosane (C24)	14.797	2041575	17.978 ug/ml
15) T	n-Hexacosane (C26)	15.818	2006243	18.102 ug/ml
16) T	n-Octacosane (C28)	16.765	2023646	18.734 ug/ml
17) T	n-Tricontane (C30)	17.652	2136432	19.641 ug/ml
18) T	n-Dotriacontane (C32)	18.484	2103386	20.166 ug/ml
19) T	n-Tetratriacontane (C34)	19.266	1858388	20.143 ug/ml
20) T	n-Hexatriacontane (C36)	20.007	1548920	19.545 ug/ml
21) T	n-Octatriacontane (C38)	20.733	1401290	18.655 ug/ml
22) T	n-Tetracontane (C40)	21.622	1249112	17.879 ug/ml

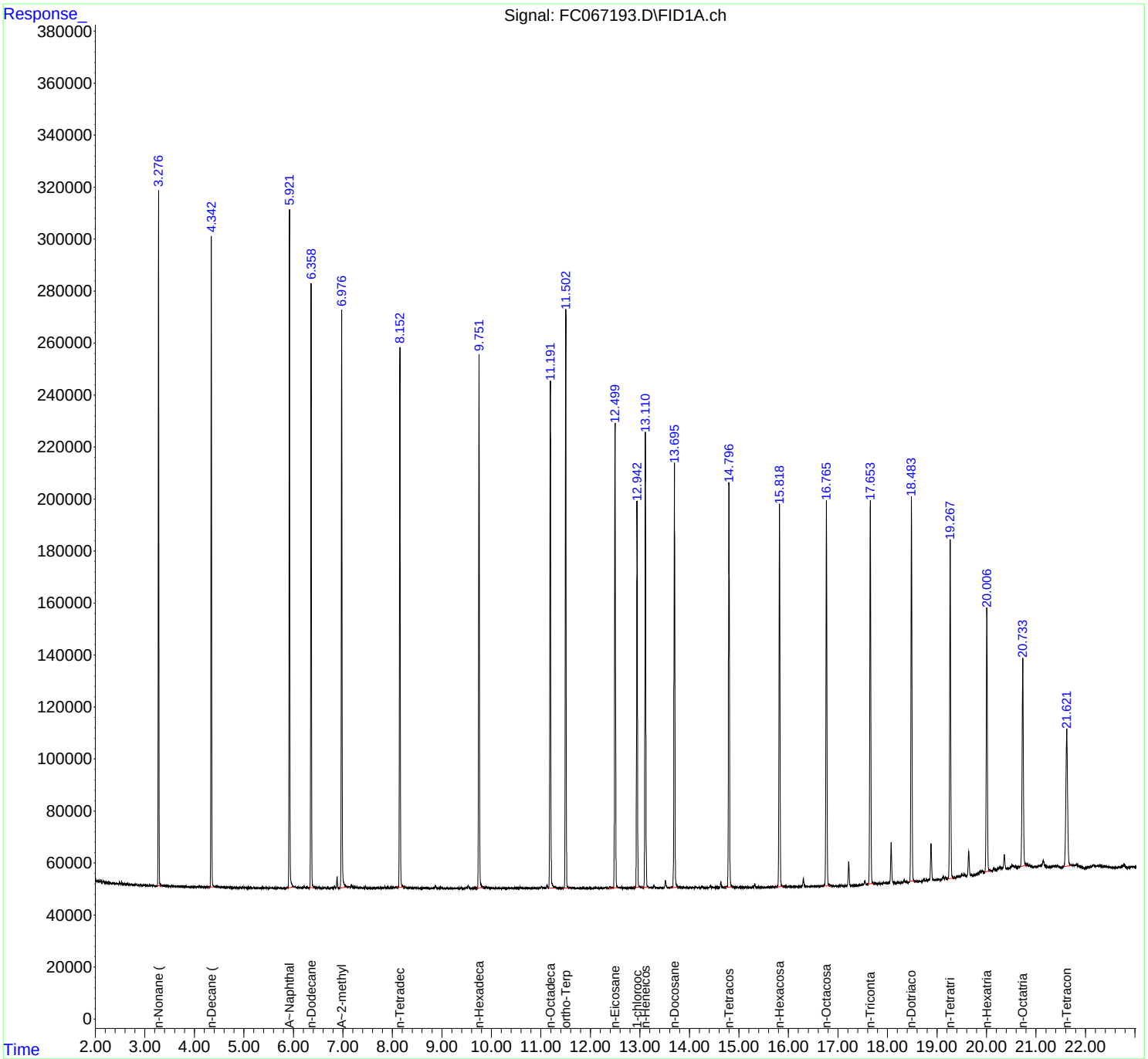
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067193.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 06:05
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: Sep 20 06:55:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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\FC091924AL\
Data File : FC067193.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 06:05
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 091024.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	3.276	3.250	3.325	BB	267180	2252752	91.99%	4.962%
2	4.342	4.289	4.412	BB	250281	2318852	94.69%	5.108%
3	5.921	5.865	6.020	BB	260731	2448938	100.00%	5.394%
4	6.358	6.300	6.415	BB	232307	2318493	94.67%	5.107%
5	6.976	6.929	7.084	BB	221784	2314726	94.52%	5.098%
6	8.152	8.087	8.230	BB	207340	2260921	92.32%	4.980%
7	9.751	9.692	9.840	BB	203341	2286417	93.36%	5.036%
8	11.191	11.155	11.304	BB	195218	2300883	93.95%	5.068%
9	11.503	11.440	11.562	BB	221590	2441804	99.71%	5.378%
10	12.499	12.354	12.565	BB	178156	2156181	88.05%	4.749%
11	12.942	12.885	12.997	BB	148676	1766949	72.15%	3.892%
12	13.110	13.042	13.179	BB	174876	2094988	85.55%	4.614%
13	13.696	13.600	13.770	BB	162831	2069826	84.52%	4.559%
14	14.797	14.717	14.872	BB	155412	2041575	83.37%	4.497%
15	15.818	15.757	15.899	BB	145764	2006243	81.92%	4.419%
16	16.765	16.700	16.844	BB	147944	2023646	82.63%	4.457%
17	17.652	17.600	17.717	BB	147230	2136432	87.24%	4.706%
18	18.484	18.450	18.555	BB	146847	2103386	85.89%	4.633%
19	19.266	19.219	19.350	BB	130555	1858388	75.89%	4.093%
20	20.007	19.955	20.072	BB	101271	1548920	63.25%	3.412%
21	20.733	20.670	20.812	BB	79643	1401290	57.22%	3.086%
22	21.622	21.560	21.710	BB	52878	1249112	51.01%	2.751%

Sum of corrected areas: 45400721

Aliphatic EPH 091024.M Fri Sep 20 06:57:55 2024

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

Continuing Calibration Report for SequenceID : FC092024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067196.D**						
Aliphatic C9-C12	6841146.000	60.000			114019.100	133603.315	14.658
Aliphatic C12-C16	4498486.000	40.000			112462.150	128900.867	12.753
Aliphatic C16-C21	6462124.000	60.000			107702.067	121616.431	11.441
Aliphatic C21-C28	8099175.000	80.000			101239.688	111967.399	9.581
Aliphatic C28-C40	10350708.000	120.000			86255.900	88261.110	2.272
Aliphatic EPH	36251639.000	360.000			100698.997	111160.957	9.412

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:	20 Sep 2024 08:35
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067196.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.	Response	Conc	Units
Aliphatic C9-C12		6841146.000	60.000	ug/ml
Aliphatic C12-C16		4498486.000	40.000	ug/ml
Aliphatic C16-C21		6462124.000	60.000	ug/ml
Aliphatic C21-C28		8099175.000	80.000	ug/ml
Aliphatic C28-C40		10350708.000	120.000	ug/ml
Aliphatic EPH		36251639.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067196.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 08:35
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: Sep 21 03:17:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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)	11.503	2421295	17.389 ug/ml
Spiked Amount	50.000		Recovery =	34.78%
12) S	1-chlorooctadecane (S...	12.942	1750967	17.924 ug/ml
Spiked Amount	50.000		Recovery =	35.85%
	Target Compounds			
1) T	n-Nonane (C9)	3.276	2239706	16.885 ug/ml
2) T	n-Decane (C10)	4.341	2302418	17.143 ug/ml
3) T	A~Naphthalene (C11.7)	5.921	2431588	17.109 ug/ml
4) T	n-Dodecane (C12)	6.358	2299022	17.175 ug/ml
5) T	A~2-methylnaphthalene...	6.976	2294902	17.186 ug/ml
6) T	n-Tetradecane (C14)	8.152	2237249	17.360 ug/ml
7) T	n-Hexadecane (C16)	9.751	2261237	17.539 ug/ml
8) T	n-Octadecane (C18)	11.192	2264819	17.702 ug/ml
10) T	n-Eicosane (C20)	12.499	2127320	17.711 ug/ml
11) T	n-Heneicosane (C21)	13.110	2069985	17.723 ug/ml
13) T	n-Docosane (C22)	13.696	2044596	17.708 ug/ml
14) T	n-Tetracosane (C24)	14.798	2032186	17.895 ug/ml
15) T	n-Hexacosane (C26)	15.817	2000069	18.046 ug/ml
16) T	n-Octacosane (C28)	16.766	2022324	18.722 ug/ml
17) T	n-Tricontane (C30)	17.653	2156008	19.821 ug/ml
18) T	n-Dotriacontane (C32)	18.483	2115978	20.286 ug/ml
19) T	n-Tetratriacontane (C34)	19.267	1864453	20.209 ug/ml
20) T	n-Hexatriacontane (C36)	20.006	1567335	19.778 ug/ml
21) T	n-Octatriacontane (C38)	20.730	1392195	18.534 ug/ml
22) T	n-Tetracontane (C40)	21.620	1254739	17.960 ug/ml

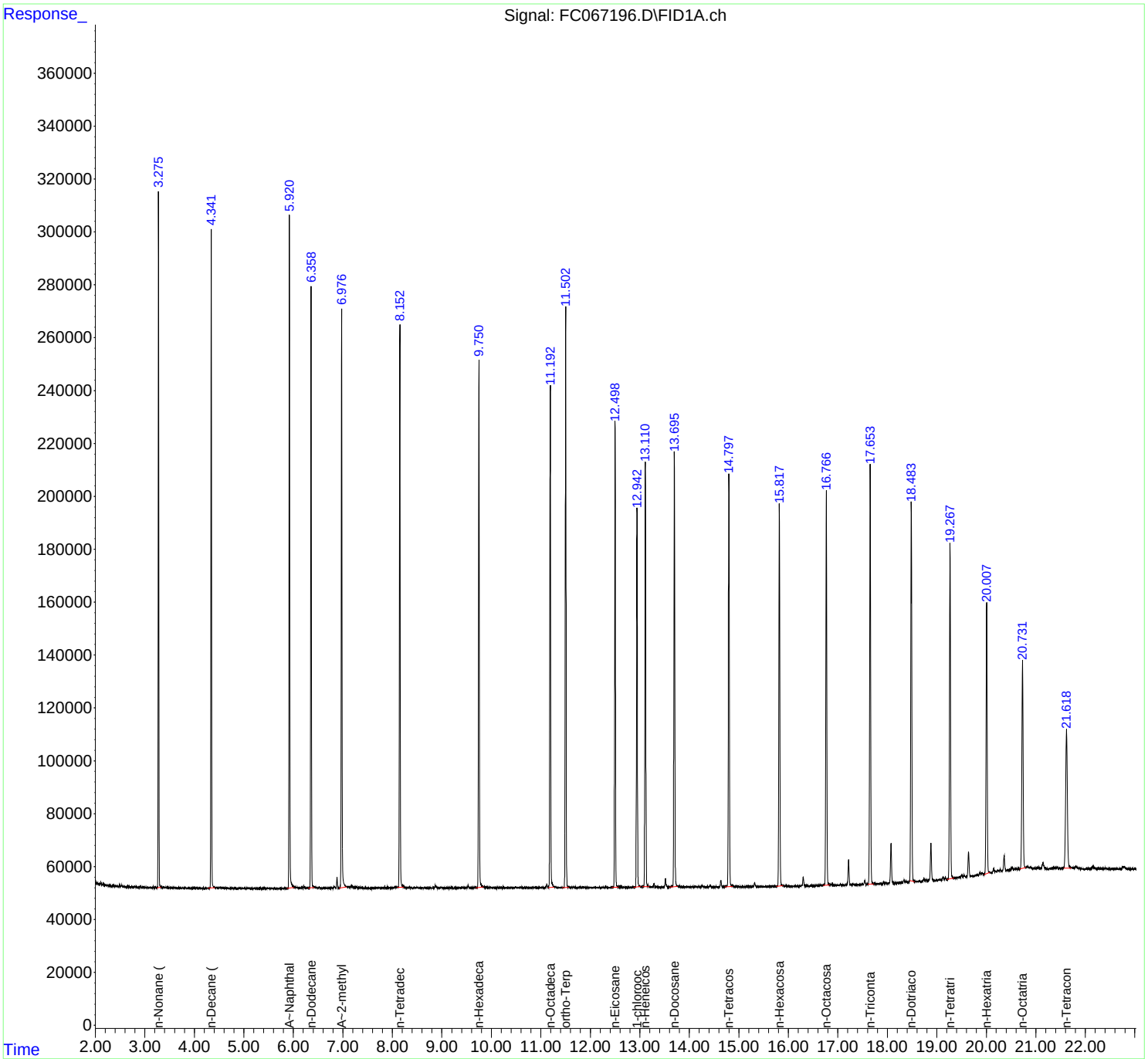
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067196.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 08:35
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: Sep 21 03:17:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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\FC092024AL\
Data File : FC067196.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 08:35
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 091024.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	3.276	3.250	3.329	BB	262827	2239706	92.11%	4.961%
2	4.341	4.279	4.415	BB	247662	2302418	94.69%	5.099%
3	5.921	5.869	6.019	BB	253778	2431588	100.00%	5.386%
4	6.358	6.302	6.422	BB	227502	2299022	94.55%	5.092%
5	6.976	6.929	7.077	BB	219017	2294902	94.38%	5.083%
6	8.152	8.097	8.235	BB	212321	2237249	92.01%	4.955%
7	9.751	9.694	9.839	BB	199060	2261237	92.99%	5.008%
8	11.192	11.155	11.269	BB	189997	2264819	93.14%	5.016%
9	11.503	11.435	11.562	BB	219747	2421295	99.58%	5.363%
10	12.499	12.434	12.567	BB	175745	2127320	87.49%	4.712%
11	12.942	12.874	13.009	BB	143525	1750967	72.01%	3.878%
12	13.110	13.049	13.185	BB	160139	2069985	85.13%	4.585%
13	13.696	13.599	13.765	BB	164195	2044596	84.08%	4.528%
14	14.798	14.714	14.879	BB	155521	2032186	83.57%	4.501%
15	15.817	15.755	15.887	BB	143841	2000069	82.25%	4.430%
16	16.766	16.700	16.837	BB	148676	2022324	83.17%	4.479%
17	17.653	17.600	17.724	BB	159051	2156008	88.67%	4.775%
18	18.483	18.450	18.552	BB	142942	2115978	87.02%	4.687%
19	19.267	19.200	19.344	BB	127049	1864453	76.68%	4.129%
20	20.006	19.955	20.070	BB	102081	1567335	64.46%	3.471%
21	20.730	20.670	20.802	BB	78513	1392195	57.25%	3.083%
22	21.620	21.560	21.722	BB	51952	1254739	51.60%	2.779%

Sum of corrected areas: 45150392

Aliphatic EPH 091024.M Sat Sep 21 07:06:59 2024

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

Continuing Calibration Report for SequenceID : FC092024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067203.D**						
Aliphatic C9-C12	8387529.000	60.000			139792.150	133603.315	-4.632
Aliphatic C12-C16	5515370.000	40.000			137884.250	128900.867	-6.969
Aliphatic C16-C21	7864204.000	60.000			131070.067	121616.431	-7.773
Aliphatic C21-C28	9613500.000	80.000			120168.750	111967.399	-7.325
Aliphatic C28-C40	11471389.000	120.000			95594.908	88261.110	-8.309
Aliphatic EPH	42851992.000	360.000			119033.311	111160.957	-7.082

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:	20 Sep 2024 14:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067203.D	Misc:	
Instrument:	FID_C	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.	Response	Conc	Units
Aliphatic C9-C12		8387529.000	60.000	ug/ml
Aliphatic C12-C16		5515370.000	40.000	ug/ml
Aliphatic C16-C21		7864204.000	60.000	ug/ml
Aliphatic C21-C28		9613500.000	80.000	ug/ml
Aliphatic C28-C40		11471389.000	120.000	ug/ml
Aliphatic EPH		42851992.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067203.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 14:50
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Sep 21 03:18:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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)	11.503	2911565	20.910 ug/ml
Spiked Amount	50.000		Recovery =	41.82%
12) S	1-chlorooctadecane (S...	12.942	2102362	21.522 ug/ml
Spiked Amount	50.000		Recovery =	43.04%
	Target Compounds			
1) T	n-Nonane (C9)	3.277	2763561	20.834 ug/ml
2) T	n-Decane (C10)	4.342	2807693	20.905 ug/ml
3) T	A~Naphthalene (C11.7)	5.920	2937494	20.668 ug/ml
4) T	n-Dodecane (C12)	6.358	2816275	21.040 ug/ml
5) T	A~2-methylnaphthalene...	6.976	2779609	20.815 ug/ml
6) T	n-Tetradecane (C14)	8.152	2745740	21.305 ug/ml
7) T	n-Hexadecane (C16)	9.751	2769630	21.482 ug/ml
8) T	n-Octadecane (C18)	11.191	2761852	21.587 ug/ml
10) T	n-Eicosane (C20)	12.499	2588045	21.547 ug/ml
11) T	n-Heneicosane (C21)	13.111	2514307	21.528 ug/ml
13) T	n-Docosane (C22)	13.696	2466926	21.366 ug/ml
14) T	n-Tetracosane (C24)	14.798	2424159	21.347 ug/ml
15) T	n-Hexacosane (C26)	15.817	2371138	21.395 ug/ml
16) T	n-Octacosane (C28)	16.766	2351277	21.767 ug/ml
17) T	n-Tricontane (C30)	17.653	2445467	22.482 ug/ml
18) T	n-Dotriacontane (C32)	18.485	2373246	22.753 ug/ml
19) T	n-Tetratriacontane (C34)	19.266	2075667	22.498 ug/ml
20) T	n-Hexatriacontane (C36)	20.006	1754814	22.143 ug/ml
21) T	n-Octatriacontane (C38)	20.731	1513025	20.143 ug/ml
22) T	n-Tetracontane (C40)	21.618	1309170	18.739 ug/ml

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

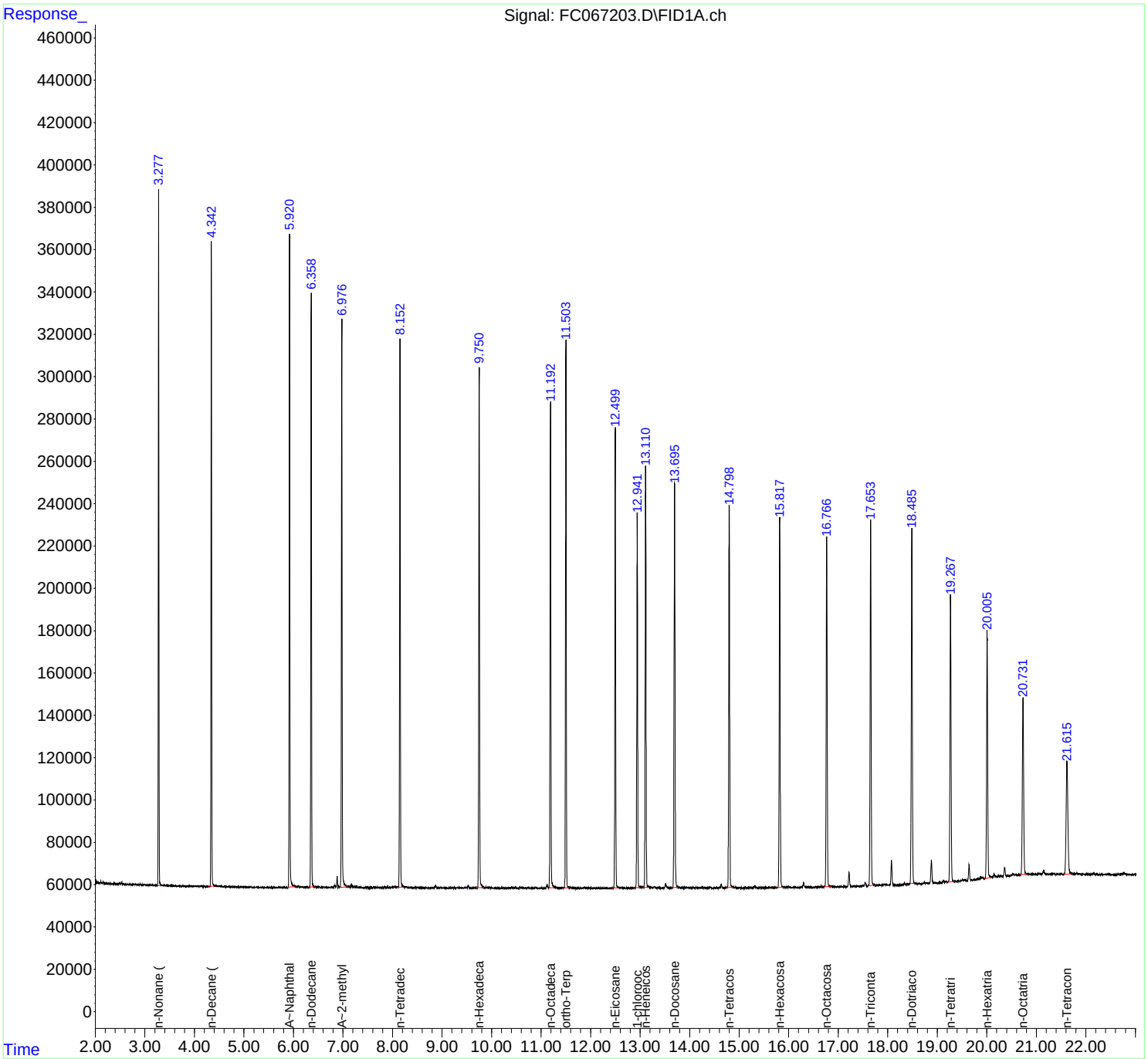
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067203.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 14:50
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Sep 21 03:18:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092024AL\
Data File : FC067203.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 14:50
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.277	3.250	3.340	BB	328221	2763561	94.08%	5.158%
2	4.342	4.288	4.415	BB	304989	2807693	95.58%	5.240%
3	5.920	5.870	6.023	BB	308480	2937494	100.00%	5.482%
4	6.358	6.303	6.423	BB	280524	2816275	95.87%	5.256%
5	6.976	6.928	7.095	BB	268980	2779609	94.63%	5.187%
6	8.152	8.088	8.237	BB	259008	2745740	93.47%	5.124%
7	9.751	9.695	9.845	BB	243900	2769630	94.29%	5.169%
8	11.191	11.152	11.272	BV	230732	2761852	94.02%	5.154%
9	11.503	11.445	11.562	BB	258661	2911565	99.12%	5.434%
10	12.499	12.432	12.562	BB	215447	2588045	88.10%	4.830%
11	12.942	12.880	13.002	BB	177331	2102362	71.57%	3.924%
12	13.111	13.047	13.187	BB	197496	2514307	85.59%	4.692%
13	13.696	13.638	13.768	BB	189857	2466926	83.98%	4.604%
14	14.798	14.737	14.877	BB	180816	2424159	82.52%	4.524%
15	15.817	15.747	15.893	BB	173265	2371138	80.72%	4.425%
16	16.766	16.700	16.848	BB	165631	2351277	80.04%	4.388%
17	17.653	17.600	17.732	BB	172123	2445467	83.25%	4.564%
18	18.485	18.450	18.562	BB	166965	2373246	80.79%	4.429%
19	19.266	19.213	19.347	BB	135294	2075667	70.66%	3.874%
20	20.006	19.955	20.092	BB	113130	1754814	59.74%	3.275%
21	20.731	20.670	20.810	BB	82894	1513025	51.51%	2.824%
22	21.618	21.560	21.727	BB	52782	1309170	44.57%	2.443%

Sum of corrected areas: 53583022

Aliphatic EPH 091024.M Sat Sep 21 07:07:40 2024

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

Continuing Calibration Report for SequenceID : FD091924AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048333.D**						
Aromatic C10-C12	7252716.000	40.000	4.108	5.827	181317.900	178623.258	-1.509
Aromatic C12-C16	10792977.000	60.000	5.828	8.434	179882.950	177158.638	-1.538
Aromatic C16-C21	13096353.000	80.000	8.435	12.696	163704.413	162091.063	-0.995
Aromatic C21-C36	26839639.000	180.000	12.697	18.099	149109.106	147829.005	-0.866
Aromatic EPH	57981685.000	360.000	4.108	18.099	161060.236	159308.207	-1.100

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:	19 Sep 2024 16:07
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048333.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.108	5.827	7252716.000	40.000	ug/ml
Aromatic C12-C16	5.828	8.434	10792977.000	60.000	ug/ml
Aromatic C16-C21	8.435	12.696	13096353.000	80.000	ug/ml
Aromatic C21-C36	12.697	18.099	26839639.000	180.000	ug/ml
Aromatic EPH	4.108	18.099	57981685.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048333.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 16:07
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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 05:20:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.387	3093096	20.395 ug/ml
Spiked Amount 50.000		Recovery =	40.79%
6) S 2-Flurobiphenyl (SURR)	8.238	1950228	20.411 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	40.82%
11) S ortho-Terphenyl (SURR)	11.273	3569579	20.805 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.208	3587578	20.337 ug/ml
2) T Naphthalene (C11.7)	5.727	3665138	20.268 ug/ml
3) T 2-Methylnaphthalene (...	6.774	3610449	20.180 ug/ml
5) T Acenaphthylene (C15.06)	8.040	3550055	20.319 ug/ml
7) T Acenaphthene (C15.5)	8.334	3632473	20.424 ug/ml
8) T Flouorene (C16.55)	9.113	3460773	20.668 ug/ml
9) T Phenanthrene (C19.36)	10.500	3353622	20.772 ug/ml
10) T Anthracene (C19.43)	10.576	2921398	18.359 ug/ml
12) T Fluoranthene (C21.85)	12.304	3390394	20.914 ug/ml
13) T Pyrene (C20.8)	12.596	3360560	20.959 ug/ml
14) T Benzo[a]anthracene (C...	14.465	2944366	21.020 ug/ml
15) T Chrysene (C27.41)	14.506	3441026	20.891 ug/ml
16) T benzo[b]fluoranthene ...	16.011	3087810	20.783 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.042	3196657	20.755 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.386	3023596	20.436 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.749	1964587	17.387 ug/ml
20) T Dibenz[a,h]anthracene...	17.792	2986968	19.572 ug/ml
21) T Benzo[g,h,i]perylene ...	17.999	2804235	19.024 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048333.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 16:07
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

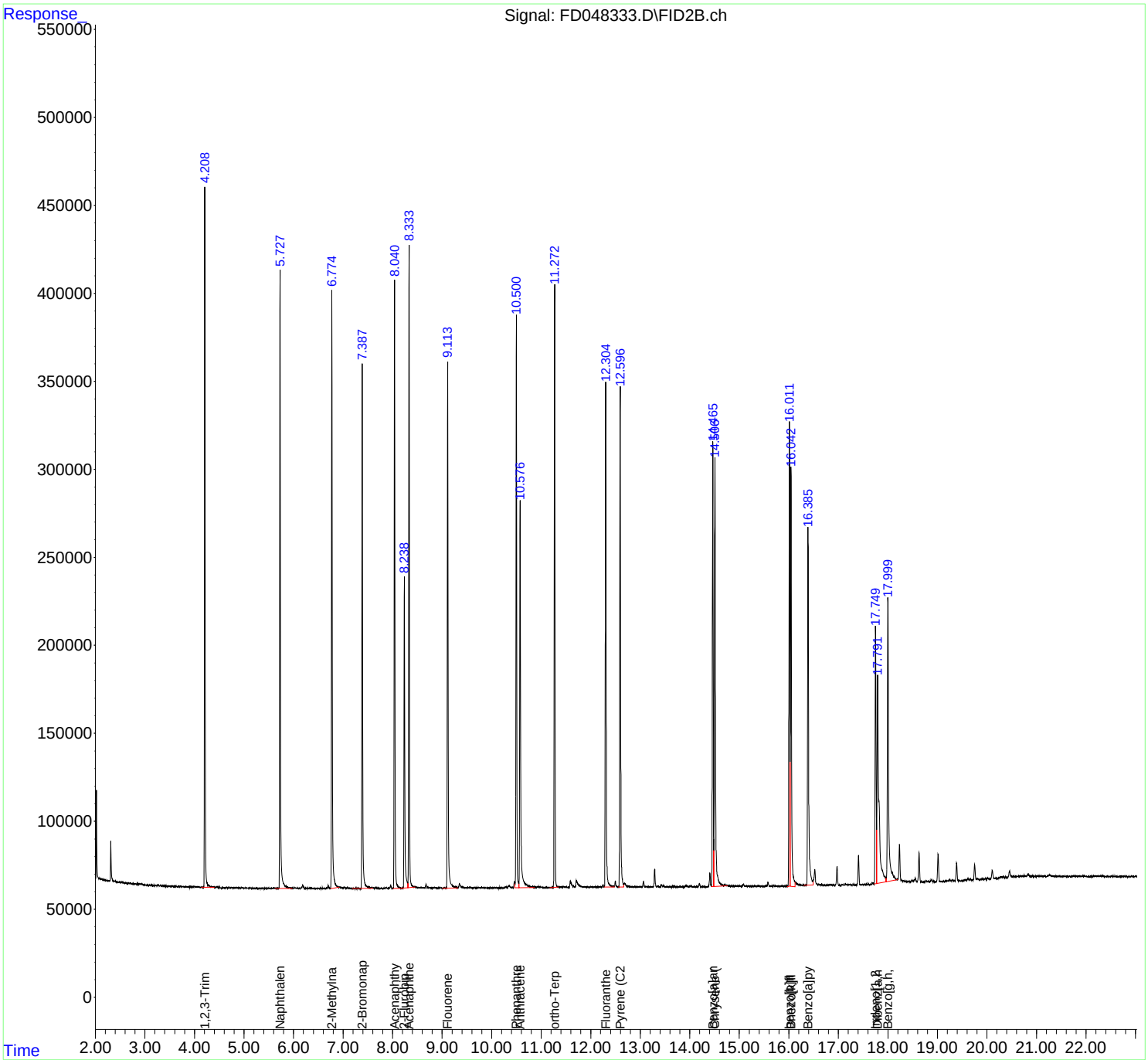
Integration File: autoint1.e
Quant Time: Sep 20 05:20:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



Instrument :
FID_D
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD09192
Data File : FD048333.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 16:07
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 090624.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	4.208	4.134	4.408	BB	395790	3587578	97.88%	5.396%
2	5.727	5.631	5.971	BV	350046	3665138	100.00%	5.512%
3	6.774	6.743	6.917	PV	339139	3610449	98.51%	5.430%
4	7.387	7.188	7.608	BB	296689	3093096	84.39%	4.652%
5	8.040	8.008	8.181	VV	344849	3550055	96.86%	5.339%
6	8.238	8.181	8.308	PV	176615	1950228	53.21%	2.933%
7	8.334	8.308	8.458	VV	363646	3632473	99.11%	5.463%
8	9.113	9.001	9.314	BV	296474	3460773	94.42%	5.205%
9	10.500	10.468	10.551	VV	324541	3353622	91.50%	5.044%
10	10.576	10.551	10.868	VB	219263	2921398	79.71%	4.394%
11	11.273	11.168	11.354	BV	338623	3569579	97.39%	5.369%
12	12.304	12.268	12.476	VV	287683	3390394	92.50%	5.099%
13	12.596	12.551	12.666	PV	283805	3360560	91.69%	5.054%
14	14.465	14.431	14.485	VV	252612	2944366	80.33%	4.428%
15	14.506	14.485	14.761	VB	242575	3441026	93.89%	5.175%
16	16.011	15.982	16.026	M	265685	3139339	85.65%	4.722%
17	16.042	16.027	16.105	M	239077	3038915	82.91%	4.571%
18	16.386	16.301	16.488	BV	200089	3023596	82.50%	4.548%
19	17.749	17.718	17.771	PV	146143	1964587	53.60%	2.955%
20	17.792	17.771	17.961	VV	117796	2986968	81.50%	4.492%
21	17.999	17.961	18.201	VBA	161434	2804235	76.51%	4.218%
			Sum of corrected areas:			66488375		

Aromatic EPH 090624.M Fri Sep 20 07:27:49 2024

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

Continuing Calibration Report for SequenceID : FD091924AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048348.D**						
Aromatic C10-C12	7520088.000	40.000	4.108	5.827	188002.200	178623.258	-5.251
Aromatic C12-C16	11374106.000	60.000	5.828	8.434	189568.433	177158.638	-7.005
Aromatic C16-C21	13900346.000	80.000	8.435	12.696	173754.325	162091.063	-7.195
Aromatic C21-C36	30318274.000	180.000	12.697	18.099	168434.856	147829.005	-13.939
Aromatic EPH	63112814.000	360.000	4.108	18.099	175313.372	159308.207	-10.047

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	20 Sep 2024 06:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048348.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.108	5.827	7520088.000	40.000	ug/ml
Aromatic C12-C16	5.828	8.434	11374106.000	60.000	ug/ml
Aromatic C16-C21	8.435	12.696	13900346.000	80.000	ug/ml
Aromatic C21-C36	12.697	18.099	30318274.000	180.000	ug/ml
Aromatic EPH	4.108	18.099	63112814.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048348.D
Signal(s) : FID2B.ch
Acq On : 20 Sep 2024 06:42
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: autoint1.e
Quant Time: Sep 20 07:15:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.385	3245771	21.401 ug/ml
	Spiked Amount 50.000		Recovery = 42.80%	
6)	S 2-Flurobiphenyl (SURR)	8.236	2121850	22.207 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 44.41%	
11)	S ortho-Terphenyl (SURR)	11.272	3760755	21.920 ug/ml
	Spiked Amount 50.000		Recovery = 43.84%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.207	3701102	20.980 ug/ml
2)	T Naphthalene (C11.7)	5.726	3818986	21.118 ug/ml
3)	T 2-Methylnaphthalene (...	6.773	3817617	21.338 ug/ml
5)	T Acenaphthylene (C15.06)	8.039	3750355	21.466 ug/ml
7)	T Acenaphthene (C15.5)	8.333	3806134	21.400 ug/ml
8)	T Flouorene (C16.55)	9.111	3672636	21.933 ug/ml
9)	T Phenanthrene (C19.36)	10.499	3575540	22.147 ug/ml
10)	T Anthracene (C19.43)	10.574	3072479	19.308 ug/ml
12)	T Fluoranthene (C21.85)	12.302	3597612	22.192 ug/ml
13)	T Pyrene (C20.8)	12.595	3579691	22.326 ug/ml
14)	T Benzo[a]anthracene (C...	14.464	3252259	23.218 ug/ml
15)	T Chrysene (C27.41)	14.506	3566835	21.654 ug/ml
16)	T benzo[b]fluoranthene ...	16.011	3369193	22.676 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.042	3312327	21.506 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.386	3353655	22.667 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.749	2833167	25.074 ug/ml
20)	T Dibenz[a,h]anthracene...	17.789	3663490	24.005 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.000	3369736	22.861 ug/ml

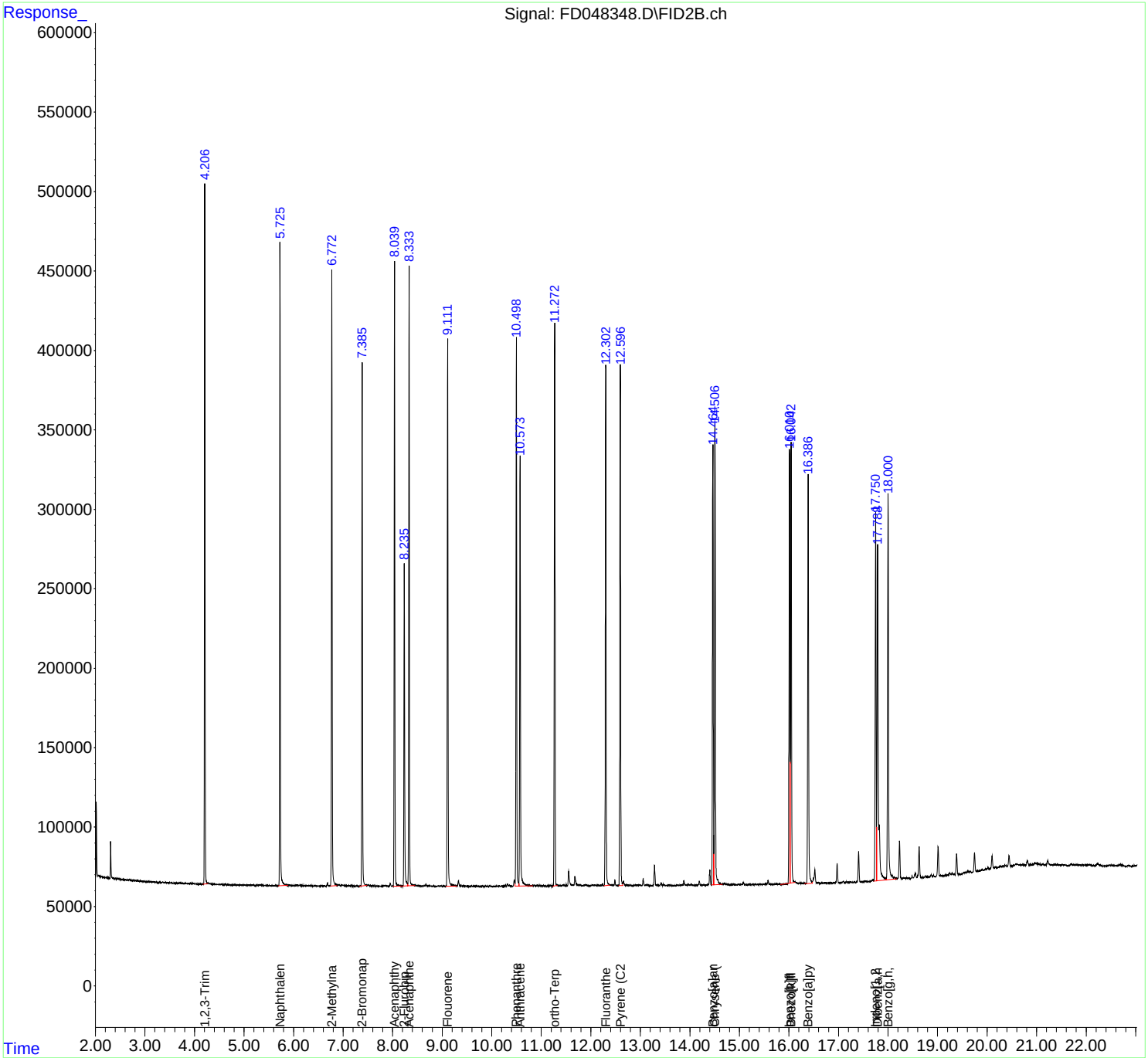
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048348.D
Signal(s) : FID2B.ch
Acq On : 20 Sep 2024 06:42
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: autoint1.e
Quant Time: Sep 20 07:15:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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\FD091924AR\
Data File : FD048348.D
Signal(s) : FID2B.ch
Acq On : 20 Sep 2024 06:42
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 090624.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	4.207	4.164	4.271	BV	436522	3701102	96.91%	5.123%
2	5.726	5.691	5.881	BB	402312	3818986	100.00%	5.286%
3	6.773	6.741	6.881	PV	389375	3817617	99.96%	5.285%
4	7.385	7.328	7.484	BV	329247	3245771	84.99%	4.493%
5	8.039	8.001	8.184	PB	388187	3750355	98.20%	5.191%
6	8.236	8.198	8.303	BV	201712	2121850	55.56%	2.937%
7	8.333	8.303	8.451	VB	393300	3806134	99.66%	5.269%
8	9.111	9.078	9.301	BB	344207	3672636	96.17%	5.084%
9	10.499	10.471	10.548	VV	343385	3575540	93.63%	4.949%
10	10.574	10.548	10.831	VV	270120	3072479	80.45%	4.253%
11	11.272	11.228	11.325	BV	351580	3760755	98.48%	5.206%
12	12.302	12.259	12.391	PV	325124	3597612	94.20%	4.980%
13	12.595	12.558	12.643	BV	324664	3579691	93.73%	4.955%
14	14.464	14.434	14.484	PV	277505	3252259	85.16%	4.502%
15	14.506	14.484	14.661	VV	287018	3566835	93.40%	4.937%
16	16.011	15.824	16.026	PV	273219	3369193	88.22%	4.664%
17	16.042	16.026	16.118	VV	276098	3312327	86.73%	4.585%
18	16.386	16.316	16.474	VV	259565	3353655	87.82%	4.642%
19	17.749	17.714	17.768	VV	232349	2833167	74.19%	3.922%
20	17.789	17.768	17.963	VV	209721	3663490	95.93%	5.071%
21	18.000	17.963	18.178	VV	243346	3369736	88.24%	4.665%
			Sum of corrected areas:			72241189		

Aromatic EPH 090624.M Fri Sep 20 07:52:45 2024

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

Continuing Calibration Report for SequenceID : FE091924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050216.D**						
Aliphatic C9-C12	7620239.000	60.000	3.159	6.778	127003.983	137280.139	7.486
Aliphatic C12-C16	5204646.000	40.000	6.779	10.211	130116.150	137537.275	5.396
Aliphatic C16-C21	7737573.000	60.000	10.212	13.571	128959.550	135214.517	4.626
Aliphatic C21-C28	10015787.000	80.000	13.572	17.227	125197.338	129389.049	3.240
Aliphatic C28-C40	14702751.000	120.000	17.228	22.082	122522.925	120097.177	-2.020
Aliphatic EPH	45280996.000	360.000	3.159	22.082	125780.544	129483.210	2.860

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:	19 Sep 2024 16:36
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050216.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.159	6.778	7620239.000	60.000	ug/ml
Aliphatic C12-C16	6.779	10.211	5204646.000	40.000	ug/ml
Aliphatic C16-C21	10.212	13.571	7737573.000	60.000	ug/ml
Aliphatic C21-C28	13.572	17.227	10015787.000	80.000	ug/ml
Aliphatic C28-C40	17.228	22.082	14702751.000	120.000	ug/ml
Aliphatic EPH	3.159	22.082	45280996.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050216.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 16:36
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 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 01:37:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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)	11.870	2828120	19.009 ug/ml
Spiked Amount	50.000		Recovery =	38.02%
12) S	1-chlorooctadecane (S...	13.304	2143247	19.080 ug/ml
Spiked Amount	50.000		Recovery =	38.16%
	Target Compounds			
1) T	n-Nonane (C9)	3.259	2479769	18.295 ug/mlm
2) T	n-Decane (C10)	4.510	2564807	18.584 ug/ml
3) T	A~Naphthalene (C11.7)	6.219	2621206	18.727 ug/ml
4) T	n-Dodecane (C12)	6.677	2575663	18.626 ug/ml
5) T	A~2-methylnaphthalene...	7.315	2472486	18.811 ug/ml
6) T	n-Tetradecane (C14)	8.504	2562581	18.819 ug/ml
7) T	n-Hexadecane (C16)	10.110	2642065	19.021 ug/ml
8) T	n-Octadecane (C18)	11.551	2676376	19.103 ug/ml
10) T	n-Eicosane (C20)	12.859	2548525	18.998 ug/ml
11) T	n-Heneicosane (C21)	13.470	2512672	19.123 ug/ml
13) T	n-Docosane (C22)	14.056	2494085	19.153 ug/ml
14) T	n-Tetracosane (C24)	15.157	2507679	19.203 ug/ml
15) T	n-Hexacosane (C26)	16.177	2460884	19.235 ug/ml
16) T	n-Octacosane (C28)	17.126	2553139	19.821 ug/ml
17) T	n-Tricontane (C30)	18.013	2752481	20.584 ug/ml
18) T	n-Dotriacontane (C32)	18.844	2817501	21.143 ug/ml
19) T	n-Tetratriacontane (C34)	19.627	2593570	20.990 ug/ml
20) T	n-Hexatriacontane (C36)	20.367	2288858	20.630 ug/ml
21) T	n-Octatriacontane (C38)	21.092	2172576	19.701 ug/ml
22) T	n-Tetracontane (C40)	21.984	2077765	19.095 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050216.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 16:36
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

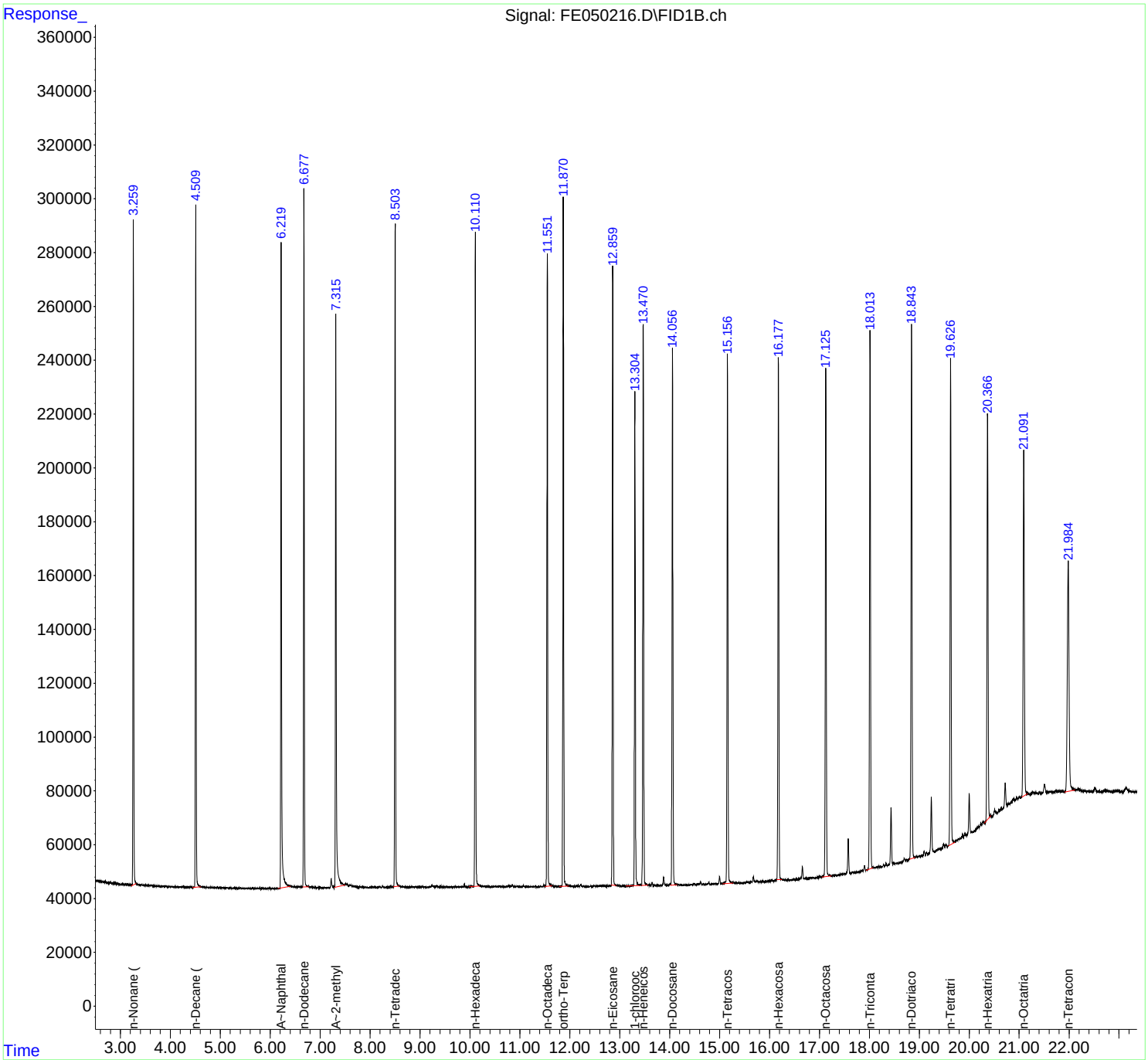
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 01:37:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE0919
Data File : FE050216.D
Signal(s) : FID1B.ch
Acq On : 19 Sep 2024 16:36
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 091024.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	3.259	3.241	3.339	BBA	242587	2346629	82.97%	4.254%
2	4.510	4.448	4.614	BB	252469	2564807	90.69%	4.649%
3	6.219	6.161	6.404	BB	238690	2621206	92.68%	4.752%
4	6.677	6.651	6.768	BB	259062	2575663	91.07%	4.669%
5	7.315	7.280	7.494	PV	212379	2472486	87.43%	4.482%
6	8.504	8.471	8.579	BBA	246410	2562581	90.61%	4.645%
7	10.110	9.984	10.199	BBA	243842	2642065	93.42%	4.789%
8	11.551	11.505	11.641	PBA	235131	2676376	94.63%	4.852%
9	11.870	11.794	11.981	BB	256640	2828120	100.00%	5.127%
10	12.859	12.831	12.931	BV	227745	2548525	90.11%	4.620%
11	13.304	13.121	13.398	BV	183301	2143247	75.78%	3.885%
12	13.470	13.434	13.564	VB	208568	2512672	88.85%	4.555%
13	14.056	14.020	14.148	VB	198534	2494085	88.19%	4.521%
14	15.157	15.068	15.271	BB	194921	2507679	88.67%	4.546%
15	16.177	16.141	16.249	BBA	194138	2460884	87.01%	4.461%
16	17.126	17.048	17.238	BB	188714	2553139	90.28%	4.628%
17	18.013	17.931	18.071	PV	199566	2752481	97.33%	4.990%
18	18.844	18.801	18.914	BV	198778	2817501	99.62%	5.107%
19	19.627	19.581	19.704	BV	177232	2593570	91.71%	4.702%
20	20.367	20.298	20.431	PBA	151996	2288858	80.93%	4.149%
21	21.092	21.051	21.169	BBA	128613	2172576	76.82%	3.938%
22	21.983	21.931	22.099	BBA	85582	2028996	71.74%	3.678%
			Sum of corrected areas:			55164148		

Aliphatic EPH 091024.M Fri Sep 20 02:06:27 2024

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

Continuing Calibration Report for SequenceID : FE091924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050231.D**						
Aliphatic C9-C12	7569177.000	60.000	3.159	6.778	126152.950	137280.139	8.105
Aliphatic C12-C16	5168333.000	40.000	6.779	10.211	129208.325	137537.275	6.056
Aliphatic C16-C21	7734358.000	60.000	10.212	13.571	128905.967	135214.517	4.666
Aliphatic C21-C28	10107099.000	80.000	13.572	17.227	126338.738	129389.049	2.357
Aliphatic C28-C40	14863027.000	120.000	17.228	22.082	123858.558	120097.177	-3.132
Aliphatic EPH	45441994.000	360.000	3.159	22.082	126227.761	129483.210	2.514

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:	20 Sep 2024 04:44
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050231.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.159	6.778	7569177.000	60.000	ug/ml
Aliphatic C12-C16	6.779	10.211	5168333.000	40.000	ug/ml
Aliphatic C16-C21	10.212	13.571	7734358.000	60.000	ug/ml
Aliphatic C21-C28	13.572	17.227	10107099.000	80.000	ug/ml
Aliphatic C28-C40	17.228	22.082	14863027.000	120.000	ug/ml
Aliphatic EPH	3.159	22.082	45441994.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050231.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 04:44
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 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 05:08:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.869	2845019	19.122 ug/ml
Spiked Amount	50.000		Recovery =	38.24%
12) S	1-chlorooctadecane (S...	13.304	2154255	19.178 ug/ml
Spiked Amount	50.000		Recovery =	38.36%
	Target Compounds			
1) T	n-Nonane (C9)	3.258	2458344	18.137 ug/mlm
2) T	n-Decane (C10)	4.509	2552315	18.494 ug/ml
3) T	A~Naphthalene (C11.7)	6.218	2619728	18.717 ug/ml
4) T	n-Dodecane (C12)	6.676	2558518	18.502 ug/ml
5) T	A~2-methylnaphthalene...	7.314	2454066	18.671 ug/ml
6) T	n-Tetradecane (C14)	8.503	2546463	18.700 ug/ml
7) T	n-Hexadecane (C16)	10.108	2621870	18.876 ug/ml
8) T	n-Octadecane (C18)	11.550	2666765	19.034 ug/ml
10) T	n-Eicosane (C20)	12.858	2544134	18.966 ug/ml
11) T	n-Heneicosane (C21)	13.470	2523459	19.205 ug/ml
13) T	n-Docosane (C22)	14.055	2514266	19.308 ug/ml
14) T	n-Tetracosane (C24)	15.156	2524096	19.328 ug/ml
15) T	n-Hexacosane (C26)	16.176	2491299	19.473 ug/ml
16) T	n-Octacosane (C28)	17.124	2577438	20.010 ug/ml
17) T	n-Tricontane (C30)	18.011	2797826	20.923 ug/ml
18) T	n-Dotriacontane (C32)	18.843	2872507	21.556 ug/ml
19) T	n-Tetratriacontane (C34)	19.626	2645190	21.408 ug/ml
20) T	n-Hexatriacontane (C36)	20.364	2346143	21.146 ug/ml
21) T	n-Octatriacontane (C38)	21.089	2178987	19.759 ug/ml
22) T	n-Tetracontane (C40)	21.979	2022374	18.585 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091924AL\
Data File : FE050231.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 04:44
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

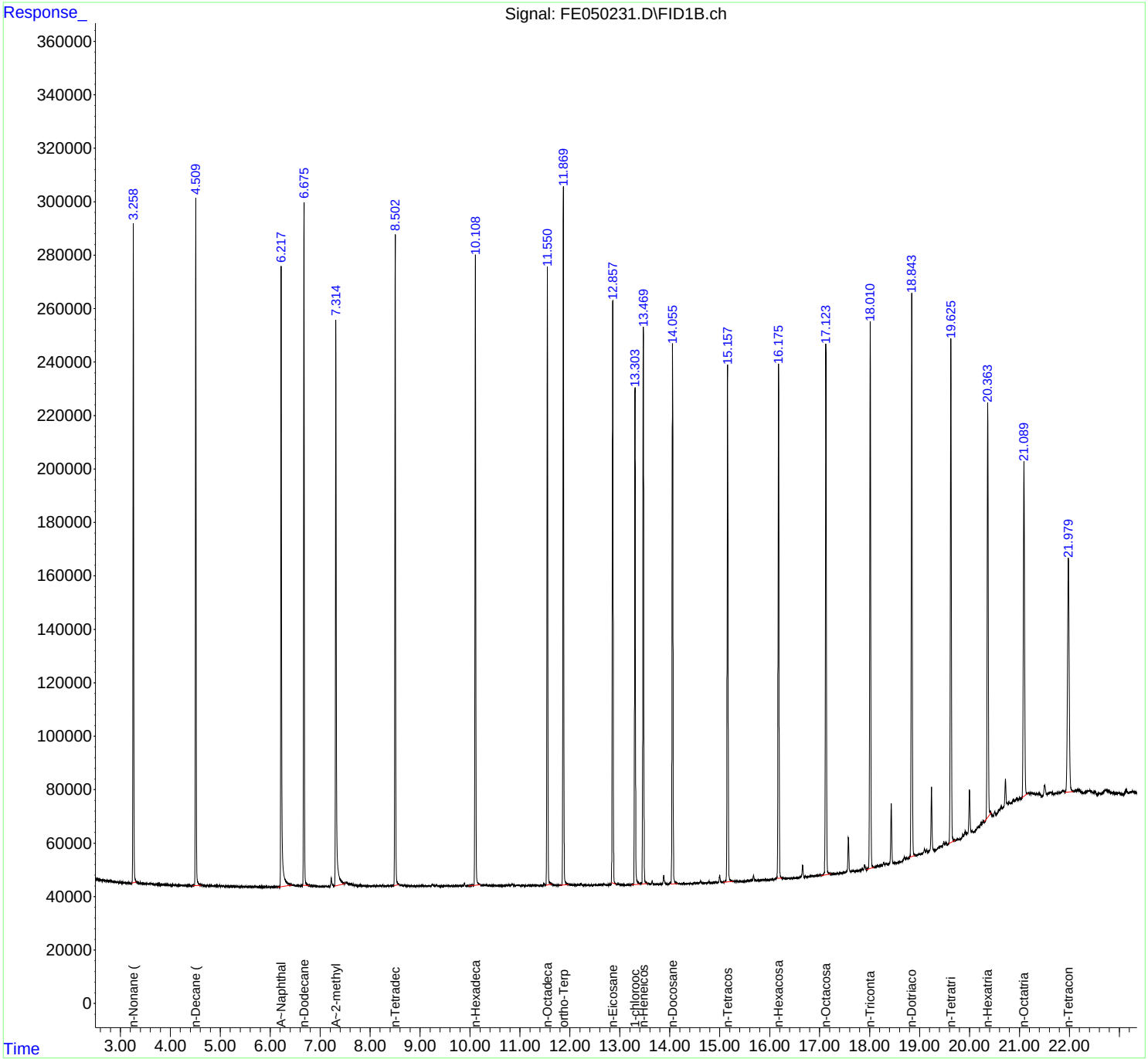
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 05:08:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE0919
Data File : FE050231.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 04:44
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 091024.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	3.259	3.241	3.339	BBA	240798	2284675	79.54%	4.133%
2	4.509	4.448	4.618	BB	256502	2552315	88.85%	4.617%
3	6.218	6.151	6.438	BB	231157	2619728	91.20%	4.739%
4	6.676	6.651	6.781	BB	253577	2558518	89.07%	4.628%
5	7.314	7.281	7.498	PV	210684	2454066	85.43%	4.439%
6	8.503	8.471	8.579	BBA	242615	2546463	88.65%	4.606%
7	10.108	9.964	10.199	BBA	234230	2621870	91.27%	4.743%
8	11.550	11.511	11.639	BBA	230600	2666765	92.84%	4.824%
9	11.869	11.794	11.971	BB	259649	2845019	99.04%	5.146%
10	12.858	12.831	12.924	BB	218180	2544134	88.57%	4.602%
11	13.304	13.234	13.391	BV	185174	2154255	75.00%	3.897%
12	13.470	13.433	13.551	PB	209208	2523459	87.85%	4.565%
13	14.055	14.020	14.161	VB	201843	2514266	87.53%	4.548%
14	15.156	15.071	15.274	BB	194322	2524096	87.87%	4.566%
15	16.176	16.141	16.249	BBA	192544	2491299	86.73%	4.506%
16	17.124	17.038	17.221	BB	197582	2577438	89.73%	4.662%
17	18.011	17.931	18.091	PB	205116	2797826	97.40%	5.061%
18	18.843	18.801	18.914	BB	211599	2872507	100.00%	5.196%
19	19.626	19.581	19.714	BB	188704	2645190	92.09%	4.785%
20	20.364	20.294	20.431	PBA	155055	2346143	81.68%	4.244%
21	21.089	21.051	21.169	BBA	124322	2178987	75.86%	3.941%
22	21.979	21.931	22.099	BBA	86744	1965227	68.42%	3.555%
			Sum of corrected areas:			55284246		

Aliphatic EPH 091024.M Fri Sep 20 05:10:09 2024

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

Continuing Calibration Report for SequenceID : FE092024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050234.D**						
Aliphatic C9-C12	8168122.000	60.000	3.158	6.776	136135.367	137280.139	0.834
Aliphatic C12-C16	5525792.000	40.000	6.777	10.209	138144.800	137537.275	-0.442
Aliphatic C16-C21	8165465.000	60.000	10.210	13.569	136091.083	135214.517	-0.648
Aliphatic C21-C28	10816677.000	80.000	13.570	17.223	135208.463	129389.049	-4.498
Aliphatic C28-C40	15563520.000	120.000	17.224	22.077	129696.000	120097.177	-7.993
Aliphatic EPH	48239576.000	360.000	3.158	22.077	133998.822	129483.210	-3.487

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:	20 Sep 2024 07:25
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050234.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.158	6.776	8168122.000	60.000	ug/ml
Aliphatic C12-C16	6.777	10.209	5525792.000	40.000	ug/ml
Aliphatic C16-C21	10.210	13.569	8165465.000	60.000	ug/ml
Aliphatic C21-C28	13.570	17.223	10816677.000	80.000	ug/ml
Aliphatic C28-C40	17.224	22.077	15563520.000	120.000	ug/ml
Aliphatic EPH	3.158	22.077	48239576.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050234.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 07:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:44:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.869	2978152	20.017 ug/ml
Spiked Amount	50.000		Recovery =	40.03%
12) S	1-chlorooctadecane (S...	13.303	2255010	20.075 ug/ml
Spiked Amount	50.000		Recovery =	40.15%
	Target Compounds			
1) T	n-Nonane (C9)	3.258	2671626	19.710 ug/mlm
2) T	n-Decane (C10)	4.509	2741993	19.868 ug/ml
3) T	A~Naphthalene (C11.7)	6.218	2812266	20.092 ug/ml
4) T	n-Dodecane (C12)	6.676	2754503	19.919 ug/ml
5) T	A~2-methylnaphthalene...	7.314	2618755	19.924 ug/ml
6) T	n-Tetradecane (C14)	8.503	2726935	20.026 ug/ml
7) T	n-Hexadecane (C16)	10.109	2798857	20.150 ug/ml
8) T	n-Octadecane (C18)	11.550	2836473	20.246 ug/ml
10) T	n-Eicosane (C20)	12.857	2682236	19.995 ug/ml
11) T	n-Heneicosane (C21)	13.469	2646756	20.143 ug/ml
13) T	n-Docosane (C22)	14.054	2654480	20.385 ug/ml
14) T	n-Tetracosane (C24)	15.156	2702733	20.696 ug/ml
15) T	n-Hexacosane (C26)	16.175	2680315	20.950 ug/ml
16) T	n-Octacosane (C28)	17.123	2779149	21.576 ug/ml
17) T	n-Tricontane (C30)	18.011	2989333	22.355 ug/ml
18) T	n-Dotriacontane (C32)	18.842	3017379	22.643 ug/ml
19) T	n-Tetratriacontane (C34)	19.625	2749993	22.256 ug/ml
20) T	n-Hexatriacontane (C36)	20.364	2416739	21.782 ug/ml
21) T	n-Octatriacontane (C38)	21.091	2259842	20.492 ug/ml
22) T	n-Tetracontane (C40)	21.977	2130234	19.577 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050234.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 07:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

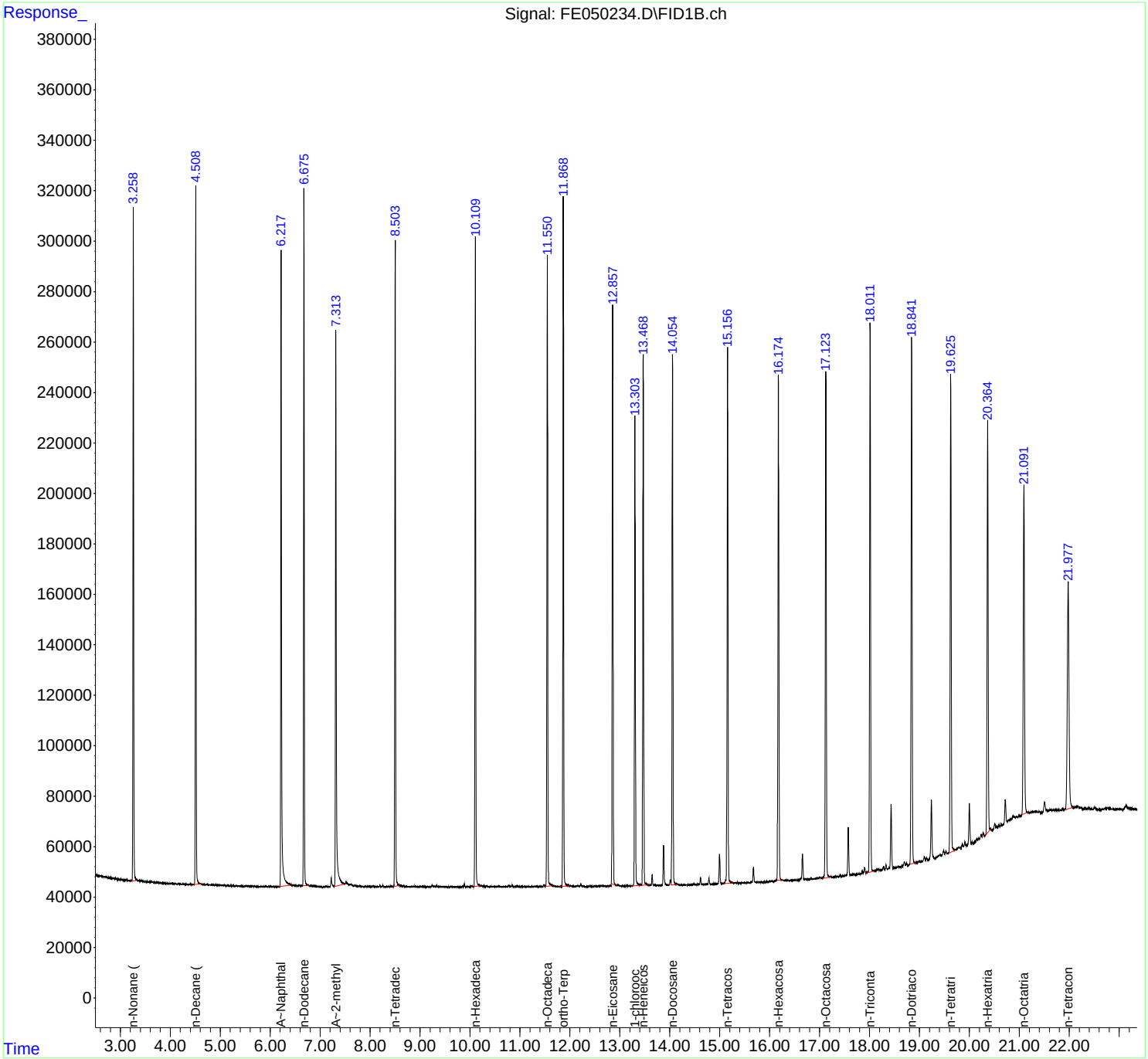
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:44:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE09202
Data File : FE050234.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 07:25
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.258	3.241	3.339	BBA	261564	2456223	81.40%	4.190%
2	4.509	4.448	4.618	BB	275009	2741993	90.87%	4.677%
3	6.218	6.164	6.434	BB	251244	2812266	93.20%	4.797%
4	6.676	6.651	6.784	BB	274473	2754503	91.29%	4.699%
5	7.314	7.284	7.494	PV	219682	2618755	86.79%	4.467%
6	8.503	8.471	8.579	BBA	255229	2726935	90.37%	4.652%
7	10.109	10.061	10.199	BBA	254445	2798857	92.76%	4.775%
8	11.550	11.508	11.641	PBA	250504	2836473	94.00%	4.839%
9	11.869	11.798	11.991	BB	273252	2978152	98.70%	5.080%
10	12.857	12.831	12.934	BB	228977	2682236	88.89%	4.576%
11	13.303	13.224	13.431	BB	185864	2255010	74.73%	3.847%
12	13.469	13.431	13.568	BB	211470	2646756	87.72%	4.515%
13	14.054	14.023	14.158	VB	210468	2654480	87.97%	4.528%
14	15.156	15.064	15.261	BB	211309	2702733	89.57%	4.611%
15	16.175	16.141	16.249	BBA	199831	2680315	88.83%	4.572%
16	17.123	17.048	17.224	BB	201382	2779149	92.10%	4.741%
17	18.011	17.929	18.104	PB	217675	2989333	99.07%	5.099%
18	18.842	18.801	18.924	BB	207780	3017379	100.00%	5.147%
19	19.625	19.581	19.708	BB	188386	2749993	91.14%	4.691%
20	20.364	20.308	20.431	PBA	163088	2416739	80.09%	4.123%
21	21.091	21.051	21.169	BBA	130507	2259842	74.89%	3.855%
22	21.977	21.931	22.099	BBA	89344	2062824	68.36%	3.519%
			Sum of corrected areas:			58620945		

Aliphatic EPH 091024.M Sat Sep 21 04:16:17 2024

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

Continuing Calibration Report for SequenceID : FE092024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050243.D**						
Aliphatic C9-C12	7900139.000	60.000	3.158	6.776	131668.983	137280.139	4.087
Aliphatic C12-C16	5326045.000	40.000	6.777	10.209	133151.125	137537.275	3.189
Aliphatic C16-C21	7884539.000	60.000	10.210	13.569	131408.983	135214.517	2.814
Aliphatic C21-C28	10451271.000	80.000	13.570	17.223	130640.888	129389.049	-0.967
Aliphatic C28-C40	15221268.000	120.000	17.224	22.077	126843.900	120097.177	-5.618
Aliphatic EPH	46783262.000	360.000	3.158	22.077	129953.506	129483.210	-0.363

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:	20 Sep 2024 13:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050243.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.158	6.776	7900139.000	60.000	ug/ml
Aliphatic C12-C16	6.777	10.209	5326045.000	40.000	ug/ml
Aliphatic C16-C21	10.210	13.569	7884539.000	60.000	ug/ml
Aliphatic C21-C28	13.570	17.223	10451271.000	80.000	ug/ml
Aliphatic C28-C40	17.224	22.077	15221268.000	120.000	ug/ml
Aliphatic EPH	3.158	22.077	46783262.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050243.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 13:47
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:45:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 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)	11.868	2869196	19.285 ug/ml
Spiked Amount	50.000		Recovery =	38.57%
12) S	1-chlorooctadecane (S...	13.302	2167490	19.296 ug/ml
Spiked Amount	50.000		Recovery =	38.59%
	Target Compounds			
1) T	n-Nonane (C9)	3.257	2586291	19.081 ug/mlm
2) T	n-Decane (C10)	4.508	2657462	19.255 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	2713161	19.384 ug/ml
4) T	n-Dodecane (C12)	6.675	2656386	19.210 ug/ml
5) T	A~2-methylnaphthalene...	7.313	2517200	19.151 ug/ml
6) T	n-Tetradecane (C14)	8.502	2634563	19.347 ug/ml
7) T	n-Hexadecane (C16)	10.108	2691482	19.377 ug/ml
8) T	n-Octadecane (C18)	11.549	2725269	19.452 ug/ml
10) T	n-Eicosane (C20)	12.857	2611078	19.465 ug/mlm
11) T	n-Heneicosane (C21)	13.468	2548192	19.393 ug/ml
13) T	n-Docosane (C22)	14.053	2554830	19.620 ug/ml
14) T	n-Tetracosane (C24)	15.155	2614624	20.022 ug/ml
15) T	n-Hexacosane (C26)	16.174	2594837	20.282 ug/ml
16) T	n-Octacosane (C28)	17.124	2686980	20.860 ug/ml
17) T	n-Tricontane (C30)	18.009	2918525	21.825 ug/ml
18) T	n-Dotriacontane (C32)	18.841	2949453	22.134 ug/ml
19) T	n-Tetratriacontane (C34)	19.623	2698615	21.840 ug/ml
20) T	n-Hexatriacontane (C36)	20.364	2380898	21.459 ug/ml
21) T	n-Octatriacontane (C38)	21.088	2182797	19.793 ug/ml
22) T	n-Tetracontane (C40)	21.978	2090980	19.216 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
Data File : FE050243.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 13:47
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

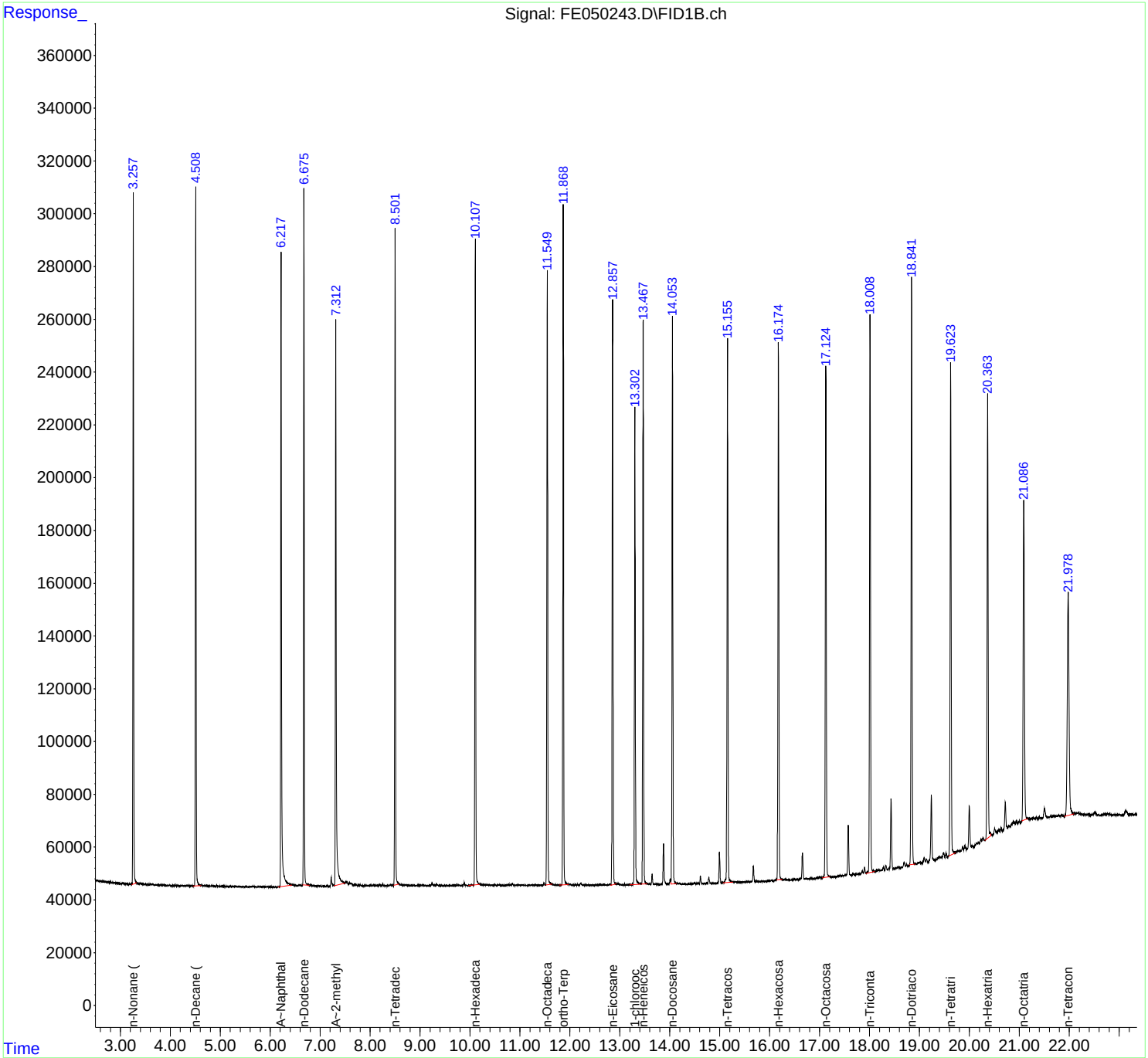
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:45:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:11:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE09202
Data File : FE050243.D
Signal(s) : FID1B.ch
Acq On : 20 Sep 2024 13:47
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.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	3.258	3.241	3.339	BBA	254502	2341827	79.40%	4.133%
2	4.508	4.448	4.618	BB	264264	2657462	90.10%	4.690%
3	6.217	6.154	6.438	BB	239608	2713161	91.99%	4.788%
4	6.675	6.651	6.781	BB	261816	2656386	90.06%	4.688%
5	7.313	7.284	7.494	PV	213606	2517200	85.34%	4.442%
6	8.502	8.471	8.579	BBA	248635	2634563	89.32%	4.649%
7	10.108	9.964	10.199	BBA	244623	2691482	91.25%	4.750%
8	11.549	11.508	11.641	PBA	231914	2725269	92.40%	4.809%
9	11.868	11.788	11.971	BB	257526	2869196	97.28%	5.063%
10	12.857	12.831	12.938	BB	222065	2566896	87.03%	4.530%
11	13.302	13.204	13.398	BV	179998	2167490	73.49%	3.825%
12	13.468	13.432	13.551	PB	214026	2548192	86.40%	4.497%
13	14.053	14.021	14.138	VB	213073	2554830	86.62%	4.509%
14	15.155	15.064	15.268	BB	204198	2614624	88.65%	4.614%
15	16.174	16.141	16.249	BBA	202772	2594837	87.98%	4.579%
16	17.124	17.048	17.208	BB	194275	2686980	91.10%	4.742%
17	18.009	17.928	18.101	PB	211044	2918525	98.95%	5.150%
18	18.841	18.801	18.918	BB	222705	2949453	100.00%	5.205%
19	19.623	19.581	19.714	BV	186008	2698615	91.50%	4.762%
20	20.364	20.304	20.431	PBA	167040	2380898	80.72%	4.202%
21	21.088	21.051	21.169	BBA	120301	2182797	74.01%	3.852%
22	21.977	21.931	22.099	BBA	83382	1995701	67.66%	3.522%
			Sum of corrected areas:			56666383		

Aliphatic EPH 091024.M Sat Sep 21 04:17:15 2024

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

Continuing Calibration Report for SequenceID : FG091924AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014280.D**						
Aromatic C10-C12	4811465.000	40.000	4.376	6.245	120286.625	127441.161	5.614
Aromatic C12-C16	7596272.000	60.000	6.246	8.944	126604.533	131942.474	4.046
Aromatic C16-C21	9769532.000	80.000	8.945	13.266	122119.150	129947.021	6.024
Aromatic C21-C36	21525714.000	180.000	13.267	18.723	119587.300	126096.133	5.162
Aromatic EPH	43702983.000	360.000	4.376	18.723	121397.175	128075.724	5.215

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:	19 Sep 2024 14:06
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014280.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.376	6.245	4811465.000	40.000	ug/ml
Aromatic C12-C16	6.246	8.944	7596272.000	60.000	ug/ml
Aromatic C16-C21	8.945	13.266	9769532.000	80.000	ug/ml
Aromatic C21-C36	13.267	18.723	21525714.000	180.000	ug/ml
Aromatic EPH	4.376	18.723	43702983.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014280.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 14:06
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 02:46:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.874	2124013	18.985 ug/ml
Spiked Amount	50.000		Recovery =	37.97%
6) S	2-Flurobiphenyl (SURR)	8.748	1373882	18.870 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	37.74%
11) S	ortho-Terphenyl (SURR)	11.814	2496960	18.524 ug/ml
Spiked Amount	50.000		Recovery =	37.05%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.476	2383635	18.515 ug/ml
2) T	Naphthalene (C11.7)	6.145	2427830	19.247 ug/ml
3) T	2-Methylnaphthalene (...	7.244	2511315	19.717 ug/ml
5) T	Acenaphthylene (C15.06)	8.545	2427616	18.678 ug/ml
7) T	Acenaphthene (C15.5)	8.844	2657341	19.188 ug/ml
8) T	Flouorene (C16.55)	9.637	2460619	18.983 ug/ml
9) T	Phenanthrene (C19.36)	11.045	2220580	18.373 ug/ml
10) T	Anthracene (C19.43)	11.120	2613234	18.836 ug/ml
12) T	Fluoranthene (C21.85)	12.869	2446787	18.874 ug/ml
13) T	Pyrene (C20.8)	13.166	2475099	18.955 ug/ml
14) T	Benzo[a]anthracene (C...	15.052	2074882	18.239 ug/mlm
15) T	Chrysene (C27.41)	15.093	2691016	19.036 ug/ml
16) T	benzo[b]fluoranthene ...	16.612	2021466	17.637 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.643	2636689	19.608 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.996	2331344	18.762 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.371	1594477	16.131 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.411	3217050	21.853 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.623	2512003	19.220 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014280.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 14:06
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

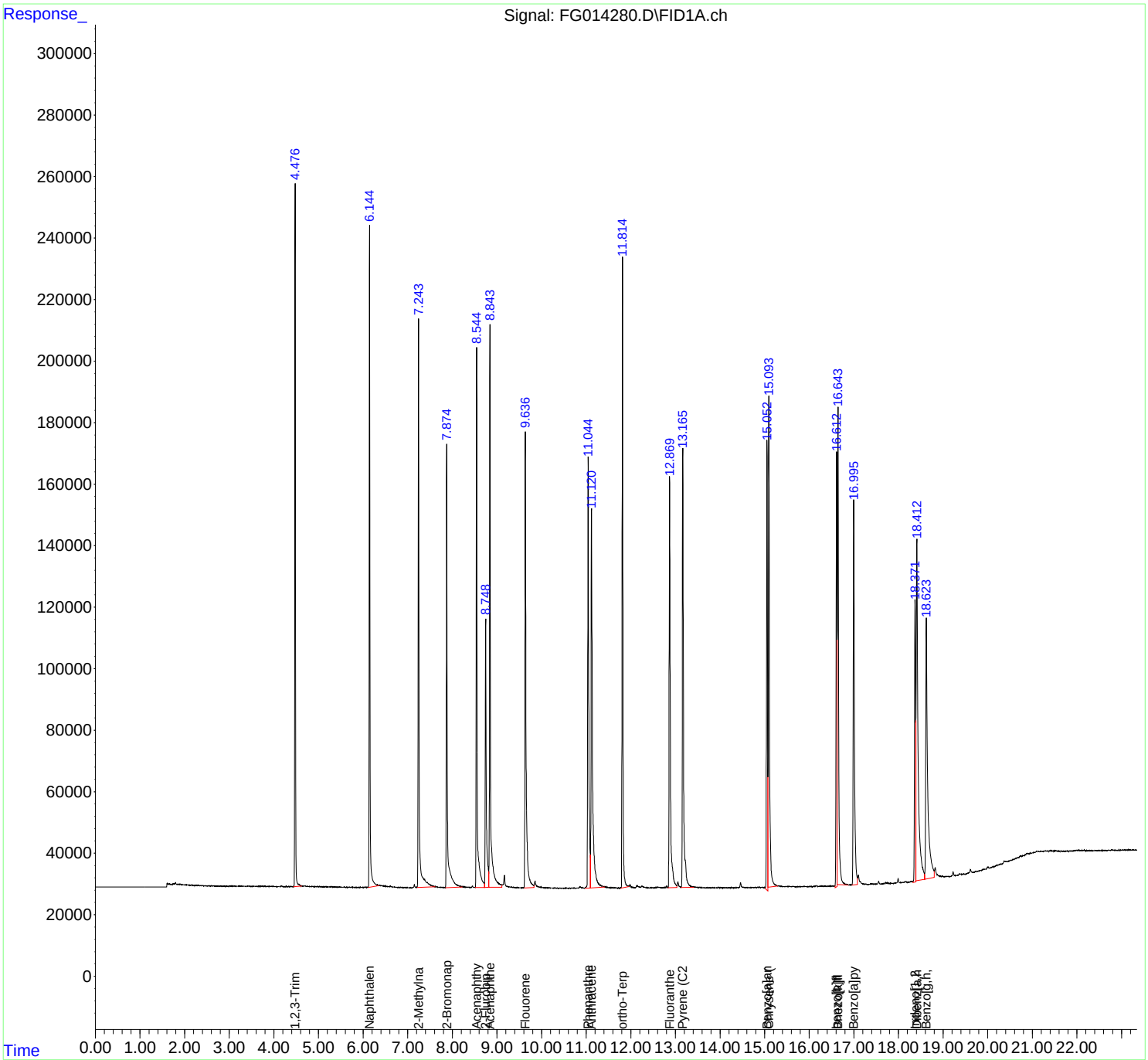
Integration File: autoint1.e
Quant Time: Sep 20 02:46:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09192
Data File : FG014280.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 14:06
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.476	4.435	4.625	BB	226509	2383635	74.09%	4.809%
2	6.145	6.111	6.368	BB	214780	2427830	75.47%	4.898%
3	7.244	7.208	7.618	BB	183850	2511315	78.06%	5.067%
4	7.874	7.838	8.228	BB	143818	2124013	66.02%	4.285%
5	8.545	8.508	8.719	BV	175587	2427616	75.46%	4.898%
6	8.748	8.719	8.816	VV	87167	1373882	42.71%	2.772%
7	8.844	8.816	9.111	VV	182878	2657341	82.60%	5.361%
8	9.637	9.601	9.830	BV	147477	2460619	76.49%	4.965%
9	11.045	10.965	11.094	BV	139890	2220580	69.03%	4.480%
10	11.120	11.094	11.421	VB	123368	2613234	81.23%	5.272%
11	11.814	11.771	11.961	BV	204823	2496960	77.62%	5.038%
12	12.869	12.831	13.035	BV	133809	2446787	76.06%	4.937%
13	13.166	13.128	13.415	VV	142786	2475099	76.94%	4.994%
14	15.052	15.011	15.072	BV	145083	2042722	63.50%	4.121%
15	15.093	15.072	15.298	VB	158515	2691016	83.65%	5.429%
16	16.612	16.581	16.627	BV	140713	2002117	62.23%	4.039%
17	16.643	16.627	16.881	VB	155313	2636689	81.96%	5.320%
18	16.996	16.951	17.080	BV	124923	2331344	72.47%	4.704%
19	18.371	18.301	18.389	BV	91395	1511882	47.00%	3.050%
20	18.411	18.389	18.583	VV	111140	3217050	100.00%	6.491%
21	18.623	18.583	18.801	VV	84785	2512003	78.08%	5.068%
			Sum of corrected areas:			49563733		

Aromatic EPH 090424.M Fri Sep 20 03:15:28 2024

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

Continuing Calibration Report for SequenceID : FG091924AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014295.D**						
Aromatic C10-C12	5050678.000	40.000	4.376	6.245	126266.950	127441.161	0.921
Aromatic C12-C16	7870333.000	60.000	6.246	8.944	131172.217	131942.474	0.584
Aromatic C16-C21	10295353.000	80.000	8.945	13.266	128691.913	129947.021	0.966
Aromatic C21-C36	22517646.000	180.000	13.267	18.723	125098.033	126096.133	0.792
Aromatic EPH	45734010.000	360.000	4.376	18.723	127038.917	128075.724	0.810

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:	20 Sep 2024 03:16
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014295.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.376	6.245	5050678.000	40.000	ug/ml
Aromatic C12-C16	6.246	8.944	7870333.000	60.000	ug/ml
Aromatic C16-C21	8.945	13.266	10295353.000	80.000	ug/ml
Aromatic C21-C36	13.267	18.723	22517646.000	180.000	ug/ml
Aromatic EPH	4.376	18.723	45734010.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014295.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 03:16
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 03:31:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.873	2237967	20.004 ug/ml
	Spiked Amount 50.000		Recovery =	40.01%
6)	S 2-Flurobiphenyl (SURR)	8.747	1434669	19.705 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	39.41%
11)	S ortho-Terphenyl (SURR)	11.813	2632833	19.532 ug/ml
	Spiked Amount 50.000		Recovery =	39.06%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.475	2492218	19.359 ug/ml
2)	T Naphthalene (C11.7)	6.144	2558460	20.282 ug/ml
3)	T 2-Methylnaphthalene (...	7.243	2644124	20.760 ug/ml
5)	T Acenaphthylene (C15.06)	8.544	2530710	19.471 ug/ml
7)	T Acenaphthene (C15.5)	8.843	2695499	19.464 ug/ml
8)	T Flouorene (C16.55)	9.635	2583848	19.934 ug/ml
9)	T Phenanthrene (C19.36)	11.043	2356620	19.499 ug/ml
10)	T Anthracene (C19.43)	11.120	2743795	19.777 ug/ml
12)	T Fluoranthene (C21.85)	12.867	2586882	19.955 ug/ml
13)	T Pyrene (C20.8)	13.164	2611090	19.997 ug/ml
14)	T Benzo[a]anthracene (C...	15.049	2177841	19.144 ug/mlm
15)	T Chrysene (C27.41)	15.091	2825737	19.989 ug/ml
16)	T benzo[b]fluoranthene ...	16.609	2145240	18.717 ug/mlm
17)	T Bnezo[k]fluoranthene ...	16.641	2655316	19.747 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.994	2452297	19.735 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.367	1659332	16.787 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.408	3374029	22.919 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.620	2640972	20.206 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
Data File : FG014295.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 03:16
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

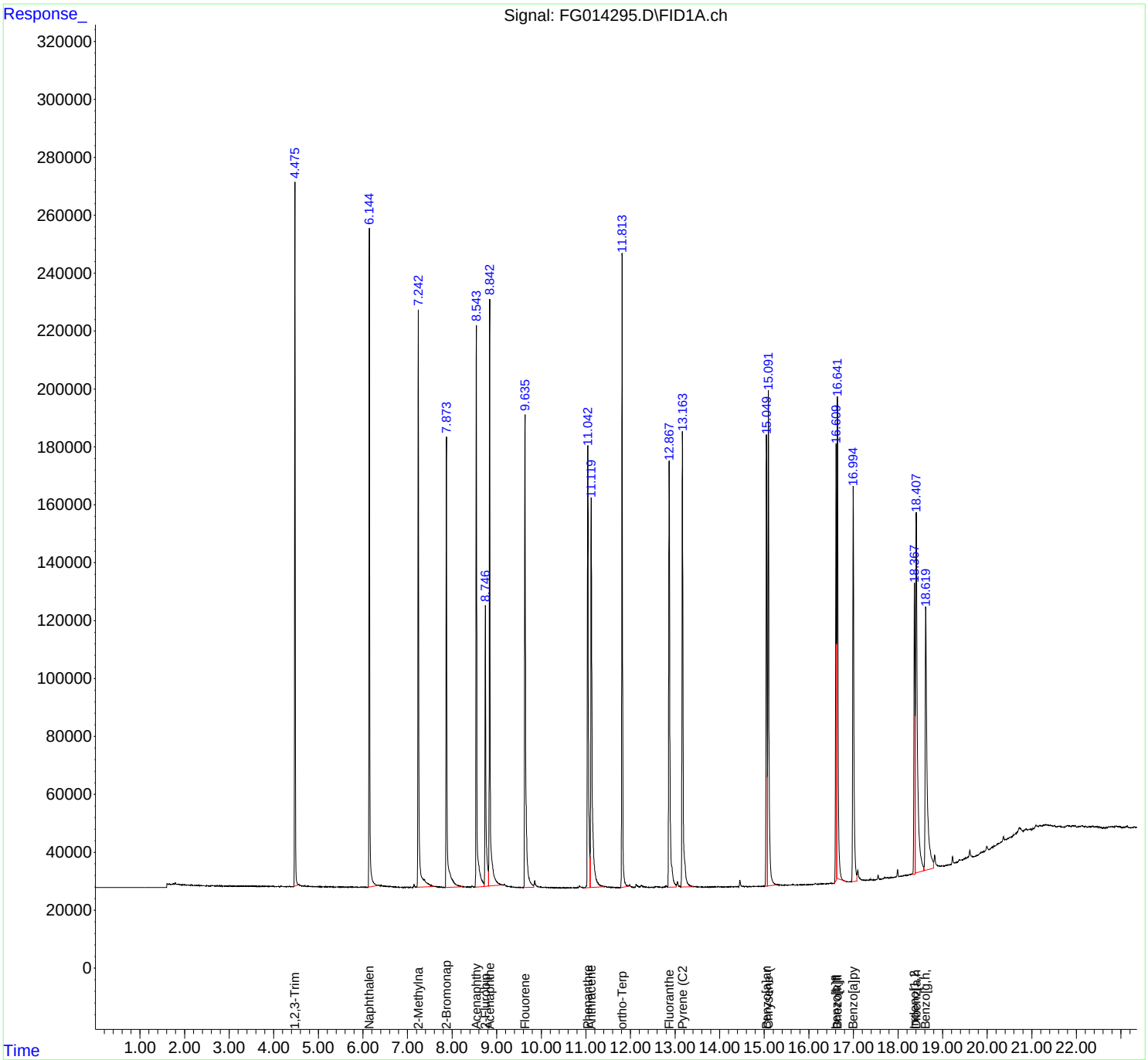
Integration File: autoint1.e
Quant Time: Sep 20 03:31:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024



rteres

Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09192
Data File : FG014295.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 03:16
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.475	4.439	4.555	BV	242328	2492218	73.86%	4.794%
2	6.144	6.109	6.362	BB	226672	2558460	75.83%	4.921%
3	7.243	7.209	7.592	BB	199248	2644124	78.37%	5.086%
4	7.873	7.842	8.239	BB	155369	2237967	66.33%	4.305%
5	8.544	8.512	8.718	BV	192665	2530710	75.01%	4.868%
6	8.747	8.718	8.816	VV	96964	1434669	42.52%	2.759%
7	8.843	8.816	9.112	VV	202108	2695499	79.89%	5.185%
8	9.635	9.602	9.829	BV	162829	2583848	76.58%	4.970%
9	11.043	10.962	11.093	BV	152519	2356620	69.85%	4.533%
10	11.120	11.093	11.419	VV	134657	2743795	81.32%	5.277%
11	11.813	11.759	11.962	BV	217975	2632833	78.03%	5.064%
12	12.867	12.831	13.029	VV	146490	2586882	76.67%	4.976%
13	13.164	13.122	13.412	VV	155395	2611090	77.39%	5.022%
14	15.049	14.995	15.070	BV	155649	2173879	64.43%	4.181%
15	15.091	15.070	15.275	VB	170722	2825737	83.75%	5.435%
16	16.610	16.582	16.625	BV	150107	2117192	62.75%	4.072%
17	16.641	16.625	16.859	VB	166844	2655316	78.70%	5.107%
18	16.994	16.952	17.076	BV	136403	2452297	72.68%	4.717%
19	18.368	18.302	18.386	BV	100163	1642858	48.69%	3.160%
20	18.408	18.386	18.582	VV	124733	3374029	100.00%	6.490%
21	18.620	18.582	18.795	VV	91280	2640972	78.27%	5.080%
			Sum of corrected areas:			51990995		

Aromatic EPH 090424.M Fri Sep 20 03:41:37 2024

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

Continuing Calibration Report for SequenceID : FG092024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014298.D**						
Aromatic C10-C12	5160532.000	40.000	4.374	6.243	129013.300	127441.161	-1.234
Aromatic C12-C16	8046436.000	60.000	6.244	8.941	134107.267	131942.474	-1.641
Aromatic C16-C21	10354206.000	80.000	8.942	13.263	129427.575	129947.021	0.400
Aromatic C21-C36	22486000.000	180.000	13.264	18.721	124922.222	126096.133	0.931
Aromatic EPH	46047174.000	360.000	4.374	18.721	127908.817	128075.724	0.130

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:	20 Sep 2024 07:58
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014298.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.374	6.243	5160532.000	40.000	ug/ml
Aromatic C12-C16	6.244	8.941	8046436.000	60.000	ug/ml
Aromatic C16-C21	8.942	13.263	10354206.000	80.000	ug/ml
Aromatic C21-C36	13.264	18.721	22486000.000	180.000	ug/ml
Aromatic EPH	4.374	18.721	46047174.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014298.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 07:58
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:12:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 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...	7.872	2267102	20.264 ug/ml
Spiked Amount	50.000		Recovery =	40.53%
6) S	2-Flurobiphenyl (SURR)	8.745	1452329	19.948 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	39.90%
11) S	ortho-Terphenyl (SURR)	11.812	2653806	19.687 ug/ml
Spiked Amount	50.000		Recovery =	39.37%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.474	2565052	19.925 ug/ml
2) T	Naphthalene (C11.7)	6.143	2595480	20.576 ug/ml
3) T	2-Methylnaphthalene (...	7.242	2710813	21.283 ug/ml
5) T	Acenaphthylene (C15.06)	8.543	2568345	19.760 ug/ml
7) T	Acenaphthene (C15.5)	8.841	2767278	19.982 ug/ml
8) T	Flouorene (C16.55)	9.634	2604123	20.090 ug/ml
9) T	Phenanthrene (C19.36)	11.043	2371828	19.625 ug/ml
10) T	Anthracene (C19.43)	11.118	2773110	19.989 ug/ml
12) T	Fluoranthene (C21.85)	12.865	2586502	19.952 ug/mlm
13) T	Pyrene (C20.8)	13.163	2605145	19.951 ug/mlm
14) T	Benzo[a]anthracene (C...	15.049	2141291	18.823 ug/mlm
15) T	Chrysene (C27.41)	15.090	2854853	20.195 ug/ml
16) T	benzo[b]fluoranthene ...	16.609	2232398	19.477 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.639	2634044	19.588 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.992	2458079	19.782 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.367	1669741	16.892 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.406	3231228	21.949 ug/mlm
21) T	Benzo[g,h,i]perylene ...	18.621	2677864	20.489 ug/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014298.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 07:58
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

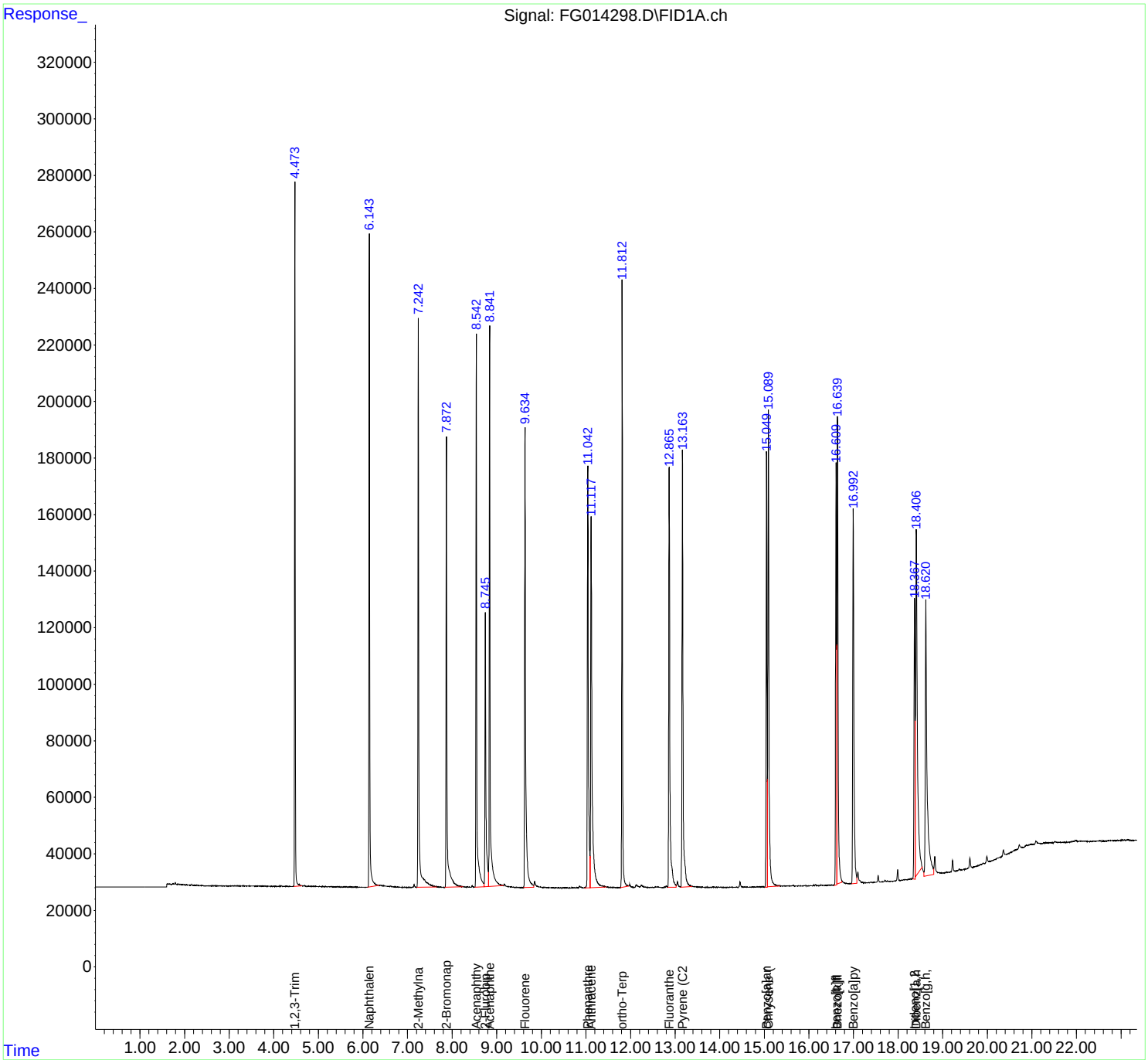
Integration File: autoint1.e
Quant Time: Sep 21 03:12:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09202
Data File : FG014298.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 07:58
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.474	4.445	4.635	BB	245852	2565052	79.04%	4.885%
2	6.143	6.102	6.369	BB	230228	2595480	79.98%	4.943%
3	7.242	7.202	7.659	BB	200364	2710813	83.53%	5.163%
4	7.872	7.839	8.245	BB	158917	2267102	69.86%	4.318%
5	8.543	8.505	8.716	BV	195511	2568345	79.14%	4.891%
6	8.745	8.716	8.814	VV	96766	1452329	44.75%	2.766%
7	8.841	8.814	9.155	VV	197584	2767278	85.27%	5.270%
8	9.634	9.599	9.828	BV	161278	2604123	80.24%	4.959%
9	11.043	10.962	11.092	BV	147954	2371828	73.09%	4.517%
10	11.118	11.092	11.462	VB	130166	2773110	85.45%	5.281%
11	11.812	11.762	11.962	BV	214882	2653806	81.78%	5.054%
12	12.866	12.775	13.027	VV	147094	2610086	80.43%	4.971%
13	13.164	13.119	13.584	VV	153209	2662065	82.03%	5.070%
14	15.049	15.001	15.069	PV	153780	2173273	66.97%	4.139%
15	15.090	15.069	15.357	VB	167644	2854853	87.97%	5.437%
16	16.609	16.573	16.624	M	149069	2193698	67.60%	4.178%
17	16.639	16.624	16.728	M	165302	2670830	82.30%	5.086%
18	16.992	16.950	17.074	BV	132823	2458079	75.74%	4.681%
19	18.367	18.333	18.384	M	99179	1633474	50.33%	3.111%
20	18.406	18.386	18.561	M	122952	3245230	100.00%	6.180%
21	18.621	18.575	18.797	VV	94422	2677864	82.52%	5.100%
			Sum of corrected areas:			52508717		

Aromatic EPH 090424.M Sat Sep 21 05:14:37 2024

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

Continuing Calibration Report for SequenceID : FG092024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014306.D**						
Aromatic C10-C12	5373548.000	40.000	4.374	6.243	134338.700	127441.161	-5.412
Aromatic C12-C16	8402648.000	60.000	6.244	8.941	140044.133	131942.474	-6.140
Aromatic C16-C21	10728828.000	80.000	8.942	13.263	134110.350	129947.021	-3.204
Aromatic C21-C36	23444214.000	180.000	13.264	18.721	130245.633	126096.133	-3.291
Aromatic EPH	47949238.000	360.000	4.374	18.721	133192.328	128075.724	-3.995

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:	20 Sep 2024 14:03
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014306.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.374	6.243	5373548.000	40.000	ug/ml
Aromatic C12-C16	6.244	8.941	8402648.000	60.000	ug/ml
Aromatic C16-C21	8.942	13.263	10728828.000	80.000	ug/ml
Aromatic C21-C36	13.264	18.721	23444214.000	180.000	ug/ml
Aromatic EPH	4.374	18.721	47949238.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014306.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 14:03
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Sep 21 03:14:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.872	2356900	21.067 ug/ml
Spiked Amount	50.000		Recovery =	42.13%
6) S	2-Flurobiphenyl (SURR)	8.746	1508631	20.721 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	41.44%
11) S	ortho-Terphenyl (SURR)	11.812	2736565	20.301 ug/ml
Spiked Amount	50.000		Recovery =	40.60%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.474	2674593	20.775 ug/ml
2) T	Naphthalene (C11.7)	6.143	2698955	21.396 ug/ml
3) T	2-Methylnaphthalene (...	7.242	2794157	21.938 ug/ml
5) T	Acenaphthylene (C15.06)	8.542	2677575	20.601 ug/ml
7) T	Acenaphthene (C15.5)	8.841	2930916	21.164 ug/ml
8) T	Flouorene (C16.55)	9.634	2693423	20.779 ug/ml
9) T	Phenanthrene (C19.36)	11.042	2441782	20.204 ug/ml
10) T	Anthracene (C19.43)	11.118	2867653	20.670 ug/ml
12) T	Fluoranthene (C21.85)	12.868	2688728	20.740 ug/ml
13) T	Pyrene (C20.8)	13.163	2725970	20.877 ug/ml
14) T	Benzo[a]anthracene (C...	15.048	2241949	19.708 ug/mlm
15) T	Chrysene (C27.41)	15.091	2956156	20.912 ug/ml
16) T	benzo[b]fluoranthene ...	16.609	2194379	19.145 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.640	2809358	20.892 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.993	2540095	20.442 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.367	1735123	17.554 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.408	3573306	24.273 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.620	2705120	20.697 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
Data File : FG014306.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 14:03
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

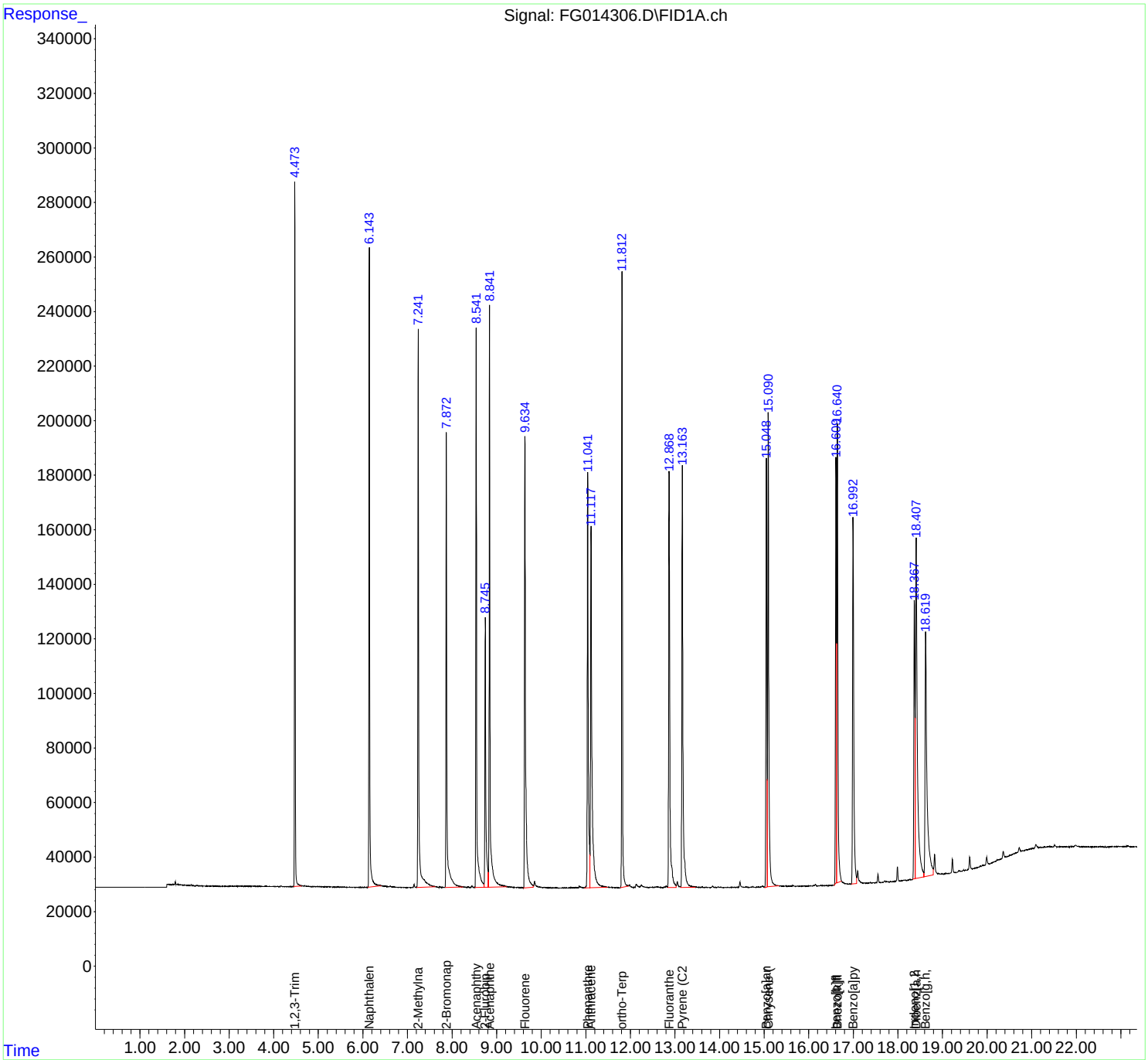
Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
Quant Time: Sep 21 03:14:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Quant Title : GC Extractables
QLast Update : Wed Sep 04 11:28:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_G
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/23/2024
Supervised By :Ankita Jodhani 09/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG09202
Data File : FG014306.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 14:03
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.474	4.445	4.625	BB	255441	2674593	74.85%	4.918%
2	6.143	6.112	6.409	BB	233921	2698955	75.53%	4.963%
3	7.242	7.202	7.625	BB	203841	2794157	78.20%	5.138%
4	7.872	7.839	8.249	BB	166373	2356900	65.96%	4.334%
5	8.542	8.505	8.715	BV	205110	2677575	74.93%	4.923%
6	8.746	8.715	8.814	VV	98625	1508631	42.22%	2.774%
7	8.841	8.814	9.225	VB	212042	2930916	82.02%	5.389%
8	9.634	9.592	9.822	BV	163869	2693423	75.38%	4.952%
9	11.042	10.962	11.092	BV	151656	2441782	68.33%	4.490%
10	11.118	11.092	11.489	VB	130697	2867653	80.25%	5.273%
11	11.812	11.775	11.962	BV	225299	2736565	76.58%	5.032%
12	12.868	12.831	13.028	VV	152236	2688728	75.24%	4.944%
13	13.163	13.125	13.462	VB	154320	2725970	76.29%	5.012%
14	15.048	15.012	15.069	PV	156559	2248772	62.93%	4.135%
15	15.091	15.069	15.332	VB	172966	2956156	82.73%	5.435%
16	16.609	16.582	16.624	BV	154028	2165901	60.61%	3.982%
17	16.640	16.624	16.872	VB	167154	2740505	76.69%	5.039%
18	16.993	16.952	17.075	BV	133811	2540095	71.09%	4.670%
19	18.367	18.302	18.386	BV	102037	1660933	46.48%	3.054%
20	18.408	18.386	18.582	VV	124443	3573306	100.00%	6.570%
21	18.620	18.582	18.795	VV	89767	2705120	75.70%	4.974%
			Sum of corrected areas:			54386633		

Aromatic EPH 090424.M Sat Sep 21 05:15:30 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:	PB163524BL		SDG No.:	P4103	
Lab Sample ID:	PB163524BL		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
FD048334.D	1	09/19/24	09/19/24	PB163524

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)	40.8		40 - 140	82%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	41.7		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.9		40 - 140	86%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB163524BL	Acq On:	19 Sep 2024 20:37
Client Sample ID:	PB163524BL	Operator:	YP/AJ
Data file:	FD048334.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	4.108	5.827	0	0	200	ug/ml
Aromatic C12-C16	5.828	8.434	0	0	300	ug/ml
Aromatic C16-C21	8.435	12.696	0	0	500	ug/ml
Aromatic C21-C36	12.697	18.099	0	0	800	ug/ml
Aromatic EPH	4.108	18.099	0	0		ug/ml
2-Flurobiphenyl (SURR)	8.238	8.238	3981011	41.66		ug/ml
2-Bromonaphthalene (SURR)	7.387	7.387	6191952	40.83		ug/ml
ortho-Terphenyl (SURR)	11.275	11.275	7356722	42.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048334.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 20:37
Operator : YP/AJ
Sample : PB163524BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB163524BL

Integration File: autoint1.e
Quant Time: Sep 20 05:20:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.387	6191952	40.827 ug/ml
Spiked Amount 50.000		Recovery =	81.65%
6) S 2-Flurobiphenyl (SURR)	8.238	3981011	41.664 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	83.33%
11) S ortho-Terphenyl (SURR)	11.275	7356722	42.879 ug/ml
Spiked Amount 50.000		Recovery =	85.76%
Target Compounds			

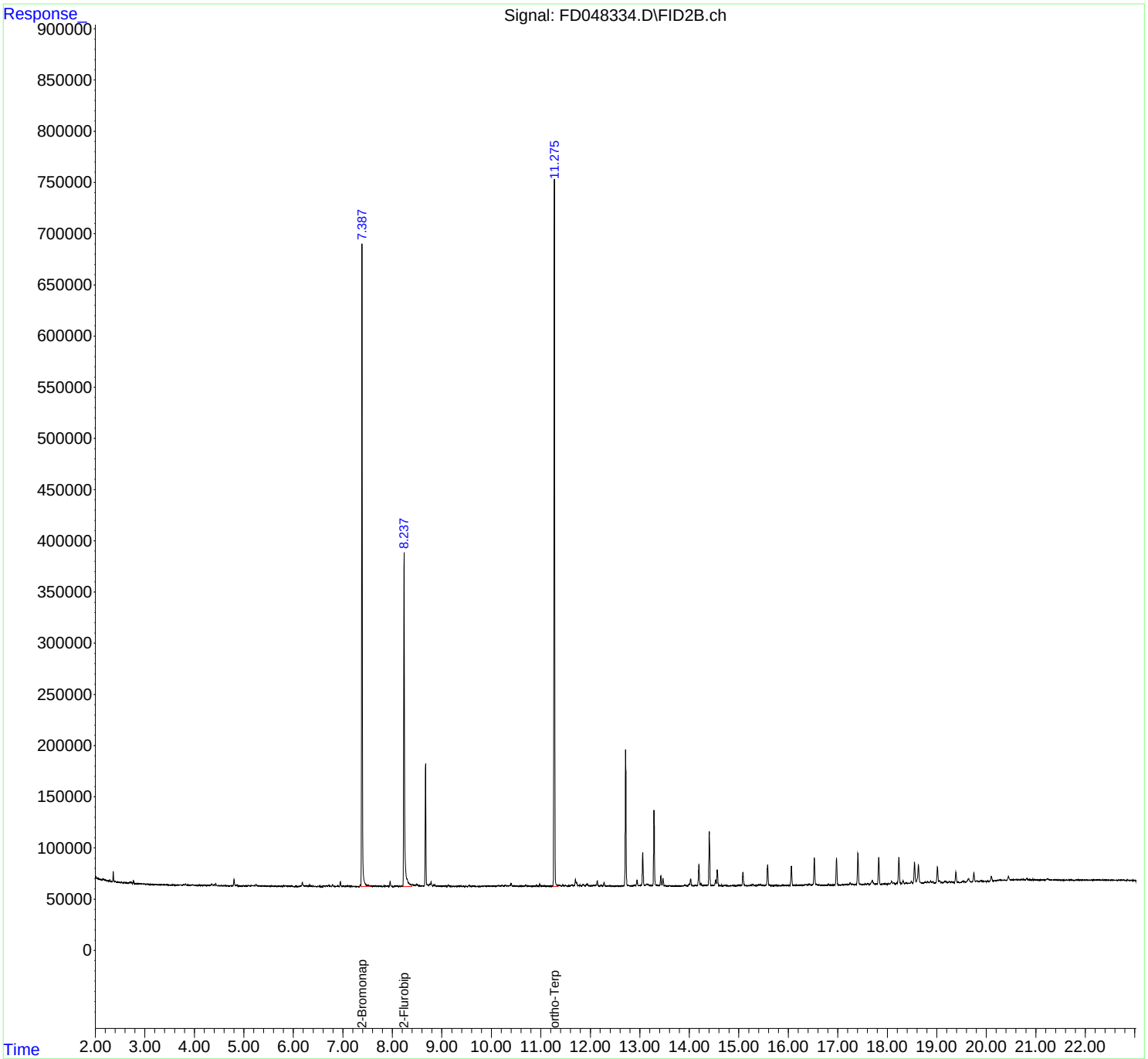
(f)=RT Delta > 1/2 Window (m)=manual int.

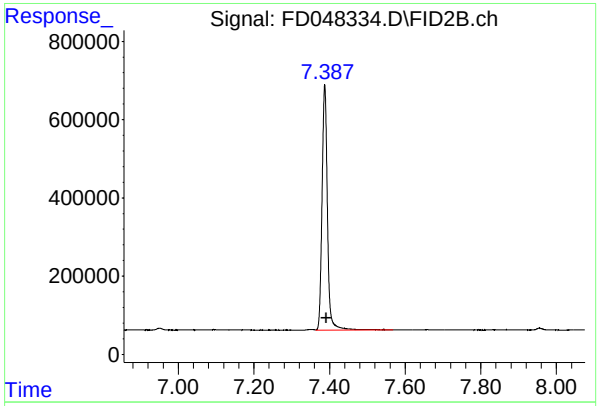
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048334.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 20:37
Operator : YP/AJ
Sample : PB163524BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB163524BL

Integration File: autoint1.e
Quant Time: Sep 20 05:20:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

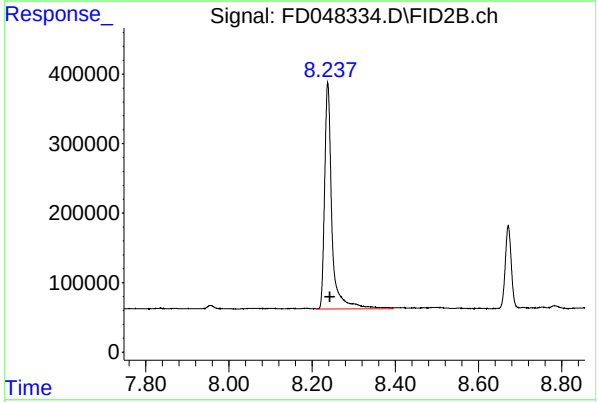




#4 2-Bromonaphthalene (SURR)

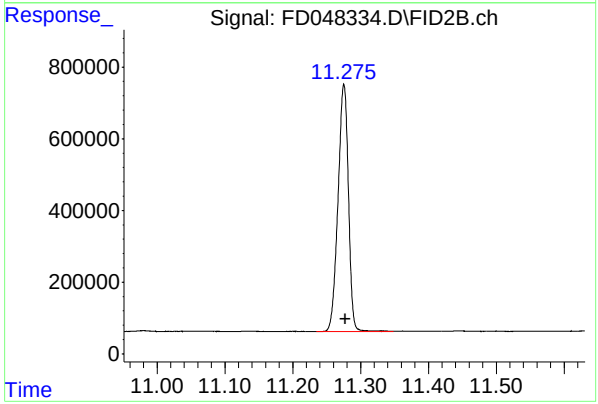
R.T.: 7.387 min
Delta R.T.: -0.004 min
Response: 6191952
Conc: 40.83 ug/ml

Instrument :
FID_D
ClientSampleId :
PB163524BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.238 min
Delta R.T.: -0.005 min
Response: 3981011
Conc: 41.66 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.275 min
Delta R.T.: -0.002 min
Response: 7356722
Conc: 42.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048334.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 20:37
Sample : PB163524BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.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	7.387	7.364	7.568	VV	627762	6191952	84.17%	35.323%
2	8.238	8.210	8.394	VV	325637	3981011	54.11%	22.710%
3	11.275	11.234	11.348	PV	688632	7356722	100.00%	41.967%

Sum of corrected areas: 17529685

Aromatic EPH 090624.M Fri Sep 20 07:28:53 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:			
Project:	North Point			Date Received:			
Client Sample ID:	PB163524BL			SDG No.:	P4103		
Lab Sample ID:	PB163524BL			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
09/19/24 12:25	09/19/24 20:37	PB163524

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	FC067179.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067179.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067179.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067179.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067179.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048334.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048334.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048334.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048334.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:	PB163524BL			SDG No.:	P4103
Lab Sample ID:	PB163524BL			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
FC067179.D	1	09/19/24	09/19/24	PB163524

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)		41.0		40 - 140	82%	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:	PB163524BL	Acq On:	19 Sep 2024 20:37
Client Sample ID:	PB163524BL	Operator:	YP/AJ
Data file:	FC067179.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.177	6.459	0	0	300	ug/ml
Aliphatic C12-C16	6.460	9.852	0	0	200	ug/ml
Aliphatic C16-C21	9.853	13.212	0	0	300	ug/ml
Aliphatic C21-C28	13.213	16.869	0	0	400	ug/ml
Aliphatic C28-C40	16.870	21.722	0	0	600	ug/ml
Aliphatic EPH	3.177	21.722	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	4005957	41.01		ug/ml
Aliphatic C9-C28	3.177	16.869	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067179.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:37
Operator : YP/AJ
Sample : PB163524BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB163524BL

Integration File: autoint1.e
Quant Time: Sep 20 03:52:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.944	4005957	41.009 ug/ml
Spiked Amount 50.000		Recovery = 82.02%	
Target Compounds			

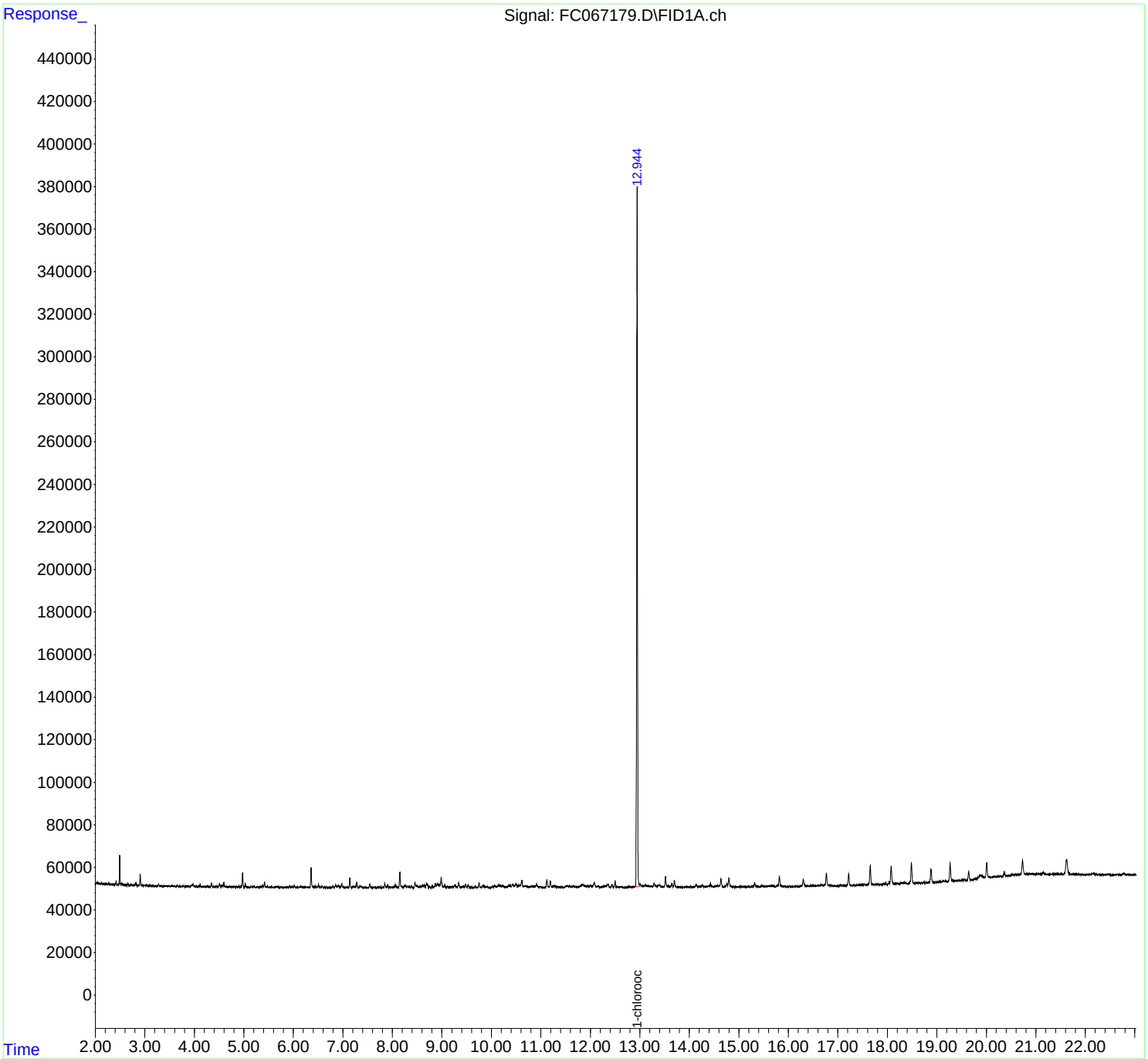
(f)=RT Delta > 1/2 Window (m)=manual int.

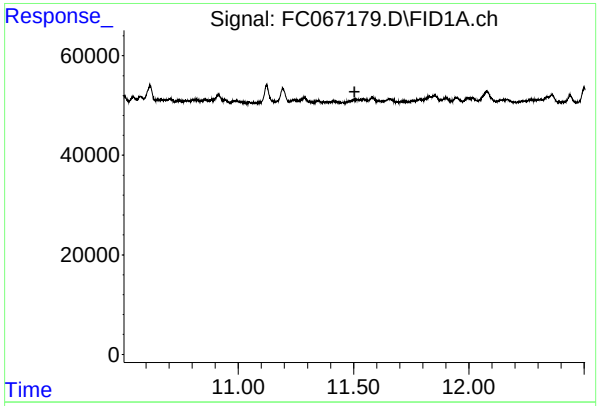
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067179.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:37
Operator : YP/AJ
Sample : PB163524BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB163524BL

Integration File: autoint1.e
Quant Time: Sep 20 03:52:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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

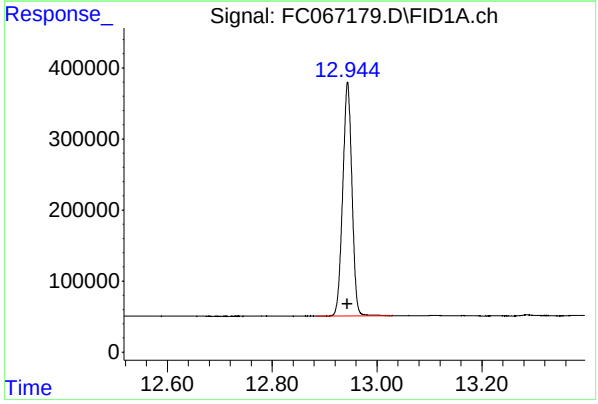




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.504 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB163524BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.944 min
Delta R.T.: 0.000 min
Response: 4005957
Conc: 41.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067179.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 20:37
Sample : PB163524BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	12.944	12.884	13.030	BB	329158	4005957	100.00%	100.000%

Sum of corrected areas: 4005957

Aliphatic EPH 091024.M Fri Sep 20 04:31:20 2024

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Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB163524BS		SDG No.:	P4103	
Lab Sample ID:	PB163524BS		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
09/19/24 12:25	09/19/24 21:15	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.98		1	0.38	1.00	mg/kg	FC067180.D
Aliphatic C12-C16	Aliphatic C12-C16	5.30		1	0.24	0.67	mg/kg	FC067180.D
Aliphatic C16-C21	Aliphatic C16-C21	9.56		1	0.30	1.00	mg/kg	FC067180.D
Aliphatic C21-C28	Aliphatic C21-C28	13.1		1	0.80	1.33	mg/kg	FC067180.D
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1	1.80	2.00	mg/kg	FC067180.D
Aromatic C10-C12	Aromatic C10-C12	5.50		1	0.30	0.67	mg/kg	FD048335.D
Aromatic C12-C16	Aromatic C12-C16	9.16		1	0.34	1.00	mg/kg	FD048335.D
Aromatic C16-C21	Aromatic C16-C21	18.1		1	0.96	1.67	mg/kg	FD048335.D
Aromatic C21-C36	Aromatic C21-C36	27.8		1	2.00	2.67	mg/kg	FD048335.D
Total AliphaticEPH	Total AliphaticEPH	56.1			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.6			3.60	6.01	mg/kg	
Total EPH	Total EPH	117			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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Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB163524BS		SDG No.:	P4103	
Lab Sample ID:	PB163524BS		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
FC067180.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.98		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.30		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.56		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.1		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.1		40 - 140	72%	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:	PB163524BS	Acq On:	19 Sep 2024 21:15
Client Sample ID:	PB163524BS	Operator:	YP/AJ
Data file:	FC067180.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.177	6.459	11994601	89.778	300	ug/ml
Aliphatic C12-C16	6.460	9.852	10257222	79.574	200	ug/ml
Aliphatic C16-C21	9.853	13.212	17438084	143.386	300	ug/ml
Aliphatic C21-C28	13.213	16.869	22080355	197.203	400	ug/ml
Aliphatic C28-C40	16.870	21.722	29448960	333.657	600	ug/ml
Aliphatic EPH	3.177	21.722	91219222	843.599		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.945	12.945	3526295	36.1		ug/ml
Aliphatic C9-C28	3.177	16.869	61770262	509.941	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067180.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:15
Operator : YP/AJ
Sample : PB163524BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB163524BS

Integration File: autoint1.e
Quant Time: Sep 20 03:52:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.945	3526295	36.098 ug/ml
Spiked Amount	50.000		Recovery =	72.20%
	Target Compounds			
1) T	n-Nonane (C9)	3.278	3264655	24.612 ug/ml
2) T	n-Decane (C10)	4.343	4063496	30.255 ug/ml
4) T	n-Dodecane (C12)	6.360	4666450	34.862 ug/ml
6) T	n-Tetradecane (C14)	8.154	4985479	38.684 ug/ml
7) T	n-Hexadecane (C16)	9.754	5271743	40.890 ug/ml
8) T	n-Octadecane (C18)	11.195	5680247	44.397 ug/ml
10) T	n-Eicosane (C20)	12.503	5963539	49.649 ug/ml
11) T	n-Heneicosane (C21)	13.114	5794298	49.611 ug/ml
13) T	n-Docosane (C22)	13.700	5714379	49.492 ug/ml
14) T	n-Tetracosane (C24)	14.801	5572406	49.069 ug/ml
15) T	n-Hexacosane (C26)	15.820	5434625	49.036 ug/ml
16) T	n-Octacosane (C28)	16.770	5358945	49.611 ug/ml
17) T	n-Tricontane (C30)	17.657	5421297	49.840 ug/ml
18) T	n-Dotriacontane (C32)	18.489	5332982	51.128 ug/ml
19) T	n-Tetratriacontane (C34)	19.272	5271546	57.139 ug/ml
20) T	n-Hexatriacontane (C36)	20.011	4958924	62.575 ug/ml
21) T	n-Octatriacontane (C38)	20.737	4579979	60.972 ug/ml
22) T	n-Tetracontane (C40)	21.625	3884232	55.596 ug/ml

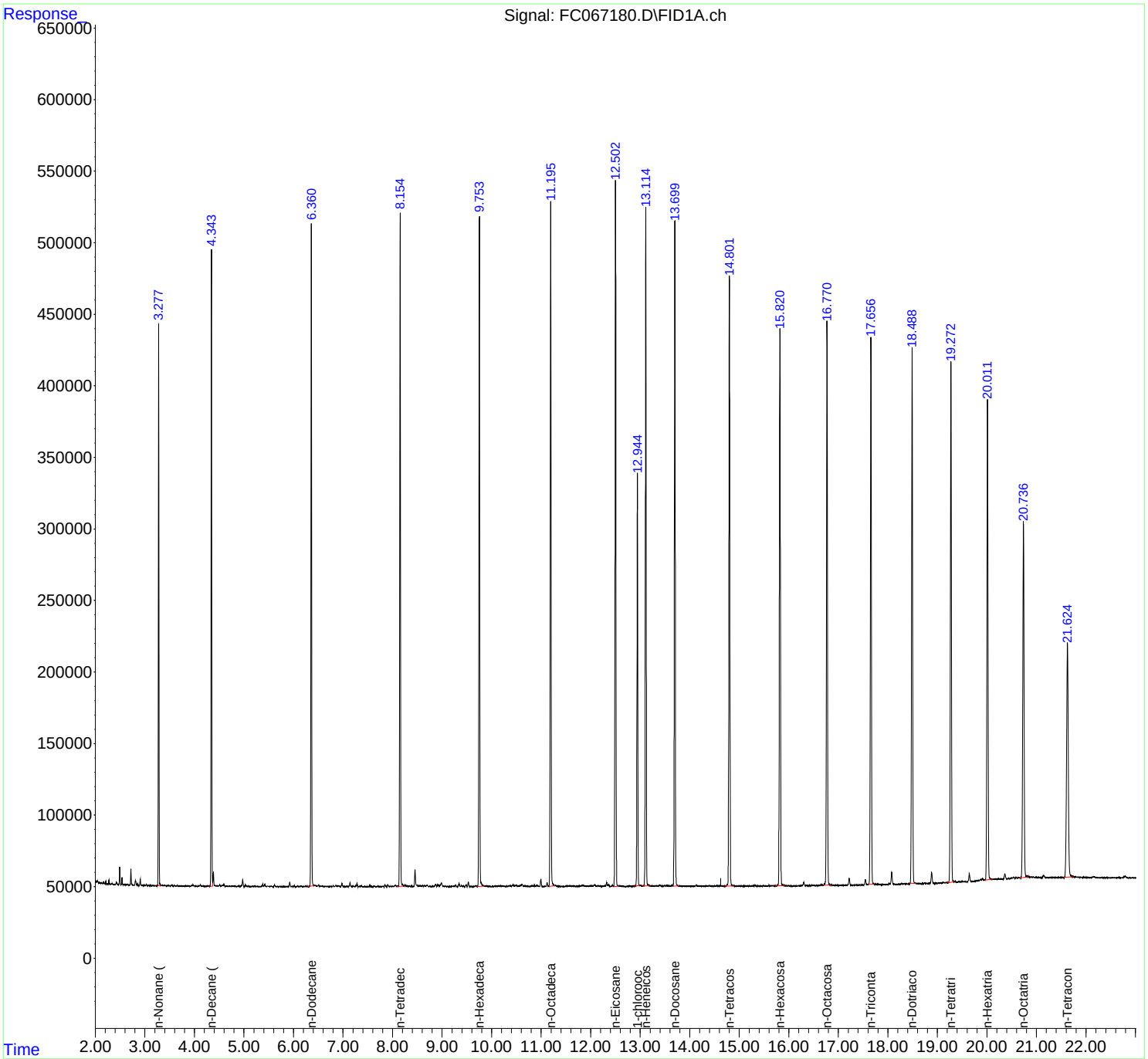
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067180.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:15
Operator : YP/AJ
Sample : PB163524BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB163524BS

Integration File: autoint1.e
Quant Time: Sep 20 03:52:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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\FC091924AL\
Data File : FC067180.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:15
Sample : PB163524BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.250	3.337	BB	391640	3264655	54.74%	3.446%
2	4.343	4.282	4.369	BV	444938	4063496	68.14%	4.289%
3	6.360	6.297	6.427	BB	461626	4666450	78.25%	4.925%
4	8.154	8.097	8.230	BV	465943	4985479	83.60%	5.262%
5	9.754	9.707	9.849	BB	467988	5271743	88.40%	5.564%
6	11.195	11.159	11.275	PV	480396	5680247	95.25%	5.995%
7	12.503	12.462	12.575	PB	491803	5963539	100.00%	6.294%
8	12.945	12.882	12.995	BB	288163	3526295	59.13%	3.722%
9	13.114	13.042	13.200	BB	474549	5794298	97.16%	6.116%
10	13.700	13.661	13.785	PB	463770	5714379	95.82%	6.031%
11	14.801	14.704	14.894	BB	424957	5572406	93.44%	5.881%
12	15.820	15.727	15.920	BB	389077	5434625	91.13%	5.736%
13	16.770	16.700	16.852	BB	394386	5358945	89.86%	5.656%
14	17.657	17.600	17.729	BB	380924	5421297	90.91%	5.722%
15	18.489	18.450	18.564	BB	372390	5332982	89.43%	5.629%
16	19.272	19.200	19.340	BB	363800	5271546	88.40%	5.564%
17	20.011	19.955	20.105	BB	331624	4958924	83.15%	5.234%
18	20.737	20.670	20.830	BB	246575	4579979	76.80%	4.834%
19	21.625	21.560	21.749	BBA	163392	3884232	65.13%	4.100%
			Sum of corrected areas:			94745516		

Aliphatic EPH 091024.M Fri Sep 20 04:31:53 2024

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	PB163524BS			SDG No.:	P4103
Lab Sample ID:	PB163524BS			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
FD048335.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.50		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.16		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.1		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.8		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.7		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.6		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.2		40 - 140	88%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB163524BS	Acq On:	19 Sep 2024 21:15
Client Sample ID:	PB163524BS	Operator:	YP/AJ
Data file:	FD048335.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	4.108	5.827	14748130	82.566	200	ug/ml
Aromatic C12-C16	5.828	8.434	24348291	137.438	300	ug/ml
Aromatic C16-C21	8.435	12.696	43973390	271.288	500	ug/ml
Aromatic C21-C36	12.697	18.099	61590471	416.633	800	ug/ml
Aromatic EPH	4.108	18.099	144660282	907.925		ug/ml
ortho-Terphenyl (SURR)	11.275	11.275	7587038	44.22		ug/ml
2-Bromonaphthalene (SURR)	7.388	7.388	8291148	54.67		ug/ml
2-Flurobiphenyl (SURR)	8.239	8.239	5213448	54.56		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048335.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 21:15
Operator : YP/AJ
Sample : PB163524BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB163524BS

Integration File: autoint1.e
Quant Time: Sep 20 05:21:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.388	8291148	54.669 ug/ml
Spiked Amount	50.000		Recovery =	109.34%
6) S	2-Flurobiphenyl (SURR)	8.239	5213448	54.563 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	109.13%
11) S	ortho-Terphenyl (SURR)	11.275	7587038	44.221 ug/ml
Spiked Amount	50.000		Recovery =	88.44%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.209	6971760	39.521 ug/ml
2) T	Naphthalene (C11.7)	5.728	7776370	43.002 ug/ml
3) T	2-Methylnaphthalene (...	6.775	7961008	44.498 ug/ml
5) T	Acenaphthylene (C15.06)	8.042	8240156	47.164 ug/ml
7) T	Acenaphthene (C15.5)	8.338	8147127	45.808 ug/ml
8) T	Flouorene (C16.55)	9.116	8342490	49.821 ug/ml
9) T	Phenanthrene (C19.36)	10.504	8446955	52.320 ug/ml
10) T	Anthracene (C19.43)	10.579	8311982	52.234 ug/ml
12) T	Fluoranthene (C21.85)	12.309	10071125	62.124 ug/ml
13) T	Pyrene (C20.8)	12.602	8800838	54.889 ug/ml
14) T	Benzo[a]anthracene (C...	14.471	8097035	57.804 ug/ml
15) T	Chrysene (C27.41)	14.515	8165886	49.575 ug/ml
16) T	benzo[b]fluoranthene ...	16.019	8103685	54.542 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.054	8312678	53.973 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.394	7797682	52.704 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.760	6996685	61.921 ug/ml
20) T	Dibenz[a,h]anthracene...	17.796	7356432	48.203 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.011	6760388	45.863 ug/ml

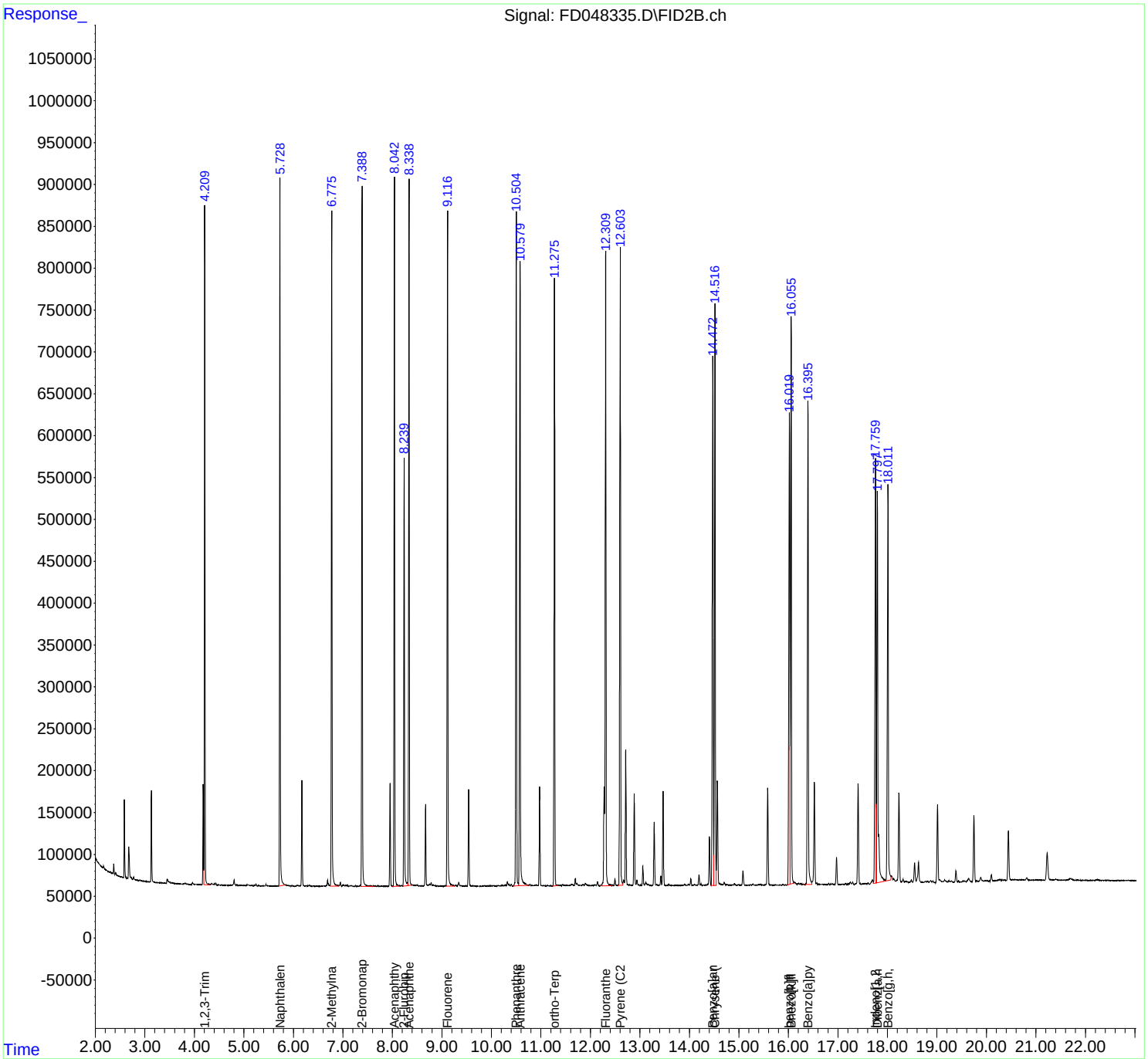
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048335.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 21:15
Operator : YP/AJ
Sample : PB163524BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB163524BS

Integration File: autoint1.e
Quant Time: Sep 20 05:21:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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\FD091924AR\
Data File : FD048335.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 21:15
Sample : PB163524BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.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	4.209	4.191	4.314	VV	799257	6971760	69.23%	4.206%
2	5.728	5.704	5.830	BV	843115	7776370	77.21%	4.692%
3	6.775	6.741	6.914	VV	803855	7961008	79.05%	4.803%
4	7.388	7.360	7.634	VV	836412	8291148	82.33%	5.002%
5	8.042	8.001	8.141	VV	843161	8240156	81.82%	4.971%
6	8.239	8.209	8.311	PV	510982	5213448	51.77%	3.145%
7	8.338	8.311	8.404	VV	842557	8147127	80.90%	4.915%
8	9.116	9.088	9.258	VV	795963	8342490	82.84%	5.033%
9	10.504	10.433	10.546	PV	813796	8446955	83.87%	5.096%
10	10.579	10.546	10.751	VV	732086	8311982	82.53%	5.015%
11	11.275	11.229	11.348	PV	719998	7587038	75.33%	4.577%
12	12.309	12.228	12.438	VV	754613	10071125	100.00%	6.076%
13	12.602	12.544	12.653	PV	748421	8800838	87.39%	5.310%
14	14.471	14.434	14.490	VV	627770	8097035	80.40%	4.885%
15	14.515	14.490	14.541	VV	690924	8165886	81.08%	4.927%
16	16.019	15.978	16.034	PV	561066	8103685	80.46%	4.889%
17	16.054	16.034	16.120	VV	679520	8312678	82.54%	5.015%
18	16.394	16.318	16.475	BV	574275	7797682	77.43%	4.704%
19	17.760	17.717	17.774	VV	512185	6996685	69.47%	4.221%
20	17.796	17.774	17.967	VV	464522	7356432	73.04%	4.438%
21	18.011	17.967	18.070	VV	470334	6760388	67.13%	4.079%

Sum of corrected areas: 165751917

Aromatic EPH 090624.M Fri Sep 20 07:30:03 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:	PB163524BSD		SDG No.:	P4103	
Lab Sample ID:	PB163524BSD		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
09/19/24 12:25	09/19/24 21:53	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.15		1	0.38	1.00	mg/kg	FC067181.D
Aliphatic C12-C16	Aliphatic C12-C16	5.41		1	0.24	0.67	mg/kg	FC067181.D
Aliphatic C16-C21	Aliphatic C16-C21	9.65		1	0.30	1.00	mg/kg	FC067181.D
Aliphatic C21-C28	Aliphatic C21-C28	13.4		1	0.80	1.33	mg/kg	FC067181.D
Aliphatic C28-C40	Aliphatic C28-C40	23.0		1	1.80	2.00	mg/kg	FC067181.D
Aromatic C10-C12	Aromatic C10-C12	5.51		1	0.30	0.67	mg/kg	FD048336.D
Aromatic C12-C16	Aromatic C12-C16	9.17		1	0.34	1.00	mg/kg	FD048336.D
Aromatic C16-C21	Aromatic C16-C21	20.9		1	0.96	1.67	mg/kg	FD048336.D
Aromatic C21-C36	Aromatic C21-C36	27.5		1	2.00	2.66	mg/kg	FD048336.D
Total AliphaticEPH	Total AliphaticEPH	57.6			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	63.1			3.60	6.00	mg/kg	
Total EPH	Total EPH	121			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:	PB163524BSD		SDG No.:	P4103	
Lab Sample ID:	PB163524BSD		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
FC067181.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.15		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.41		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.65		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.0		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		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:	PB163524BSD	Acq On:	19 Sep 2024 21:53
Client Sample ID:	PB163524BSD	Operator:	YP/AJ
Data file:	FC067181.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	3.177	6.459	12332581	92.307	300	ug/ml
Aliphatic C12-C16	6.460	9.852	10465903	81.193	200	ug/ml
Aliphatic C16-C21	9.853	13.212	17626140	144.932	300	ug/ml
Aliphatic C21-C28	13.213	16.869	22468722	200.672	400	ug/ml
Aliphatic C28-C40	16.870	21.722	30453808	345.042	600	ug/ml
Aliphatic EPH	3.177	21.722	93347154	864.147		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	3433434	35.15		ug/ml
Aliphatic C9-C28	3.177	16.869	62893346	519.104	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067181.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:53
Operator : YP/AJ
Sample : PB163524BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB163524BSD

Integration File: autoint1.e
Quant Time: Sep 20 03:53:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.944	3433434	35.148 ug/ml
Spiked Amount	50.000		Recovery =	70.30%
	Target Compounds			
1) T	n-Nonane (C9)	3.278	3366116	25.377 ug/ml
2) T	n-Decane (C10)	4.343	4183682	31.150 ug/ml
4) T	n-Dodecane (C12)	6.360	4782783	35.731 ug/ml
6) T	n-Tetradecane (C14)	8.154	5094071	39.527 ug/ml
7) T	n-Hexadecane (C16)	9.754	5371832	41.666 ug/ml
8) T	n-Octadecane (C18)	11.194	5781729	45.190 ug/ml
10) T	n-Eicosane (C20)	12.503	6016935	50.094 ug/ml
11) T	n-Heneicosane (C21)	13.114	5827476	49.895 ug/ml
13) T	n-Docosane (C22)	13.700	5763347	49.916 ug/ml
14) T	n-Tetracosane (C24)	14.801	5657922	49.822 ug/ml
15) T	n-Hexacosane (C26)	15.822	5554679	50.120 ug/ml
16) T	n-Octacosane (C28)	16.771	5492774	50.850 ug/ml
17) T	n-Tricontane (C30)	17.658	5539863	50.930 ug/ml
18) T	n-Dotriacontane (C32)	18.489	5428444	52.044 ug/ml
19) T	n-Tetratriacontane (C34)	19.272	5389934	58.422 ug/ml
20) T	n-Hexatriacontane (C36)	20.011	5085239	64.169 ug/ml
21) T	n-Octatriacontane (C38)	20.735	4788581	63.749 ug/ml
22) T	n-Tetracontane (C40)	21.627	4221747	60.427 ug/ml

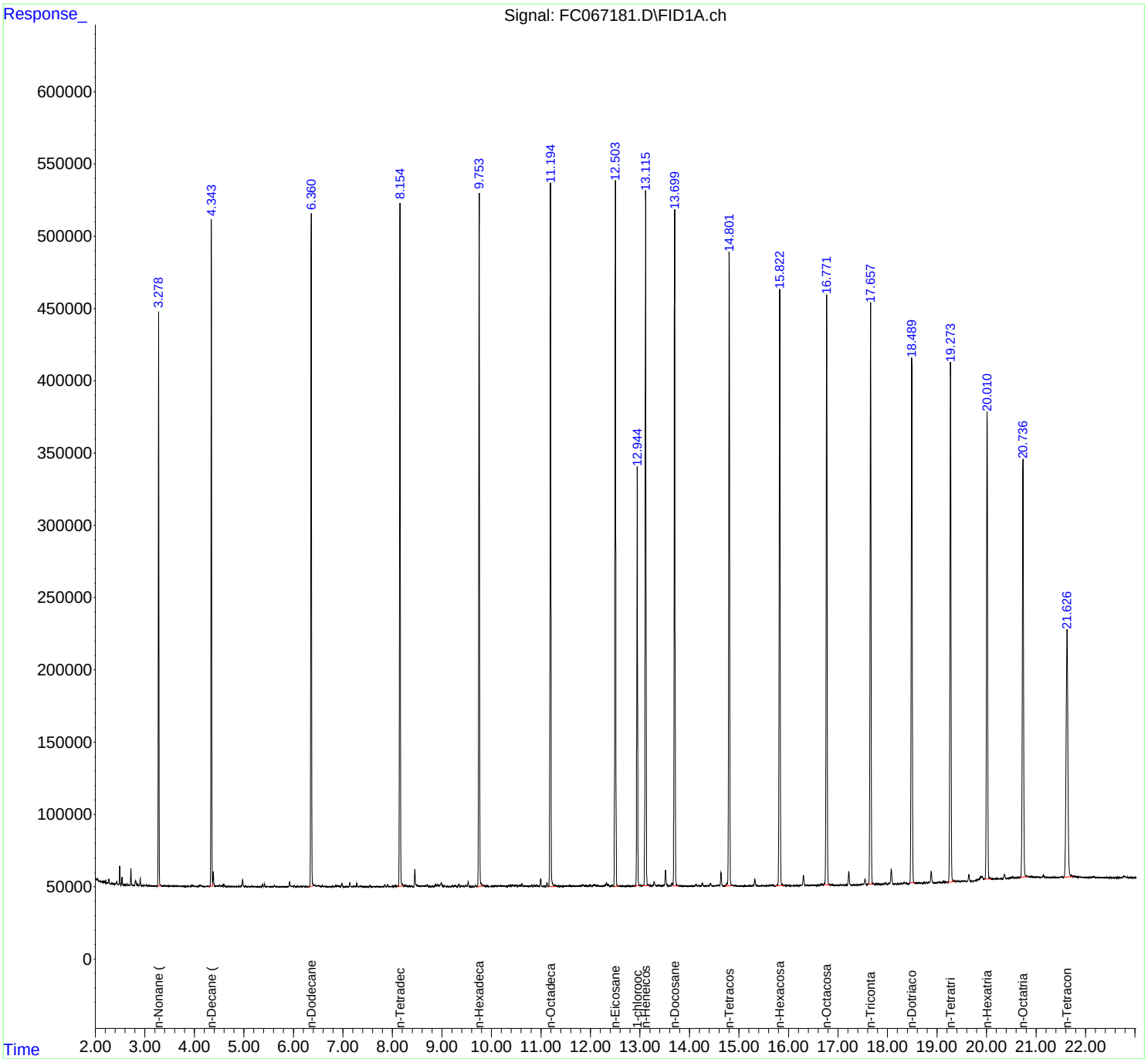
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067181.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:53
Operator : YP/AJ
Sample : PB163524BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB163524BSD

Integration File: autoint1.e
Quant Time: Sep 20 03:53:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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\FC091924AL\
Data File : FC067181.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 21:53
Sample : PB163524BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.250	3.337	BB	396145	3366116	55.94%	3.478%
2	4.343	4.287	4.369	BV	457589	4183682	69.53%	4.323%
3	6.360	6.297	6.417	BB	465514	4782783	79.49%	4.942%
4	8.154	8.097	8.232	BV	470824	5094071	84.66%	5.264%
5	9.754	9.709	9.857	BB	480123	5371832	89.28%	5.551%
6	11.194	11.149	11.309	VB	485274	5781729	96.09%	5.974%
7	12.503	12.462	12.574	PB	489018	6016935	100.00%	6.217%
8	12.944	12.880	12.992	BB	287758	3433434	57.06%	3.548%
9	13.114	13.042	13.194	BB	477757	5827476	96.85%	6.021%
10	13.700	13.663	13.779	VB	466405	5763347	95.79%	5.955%
11	14.801	14.710	14.879	BB	438878	5657922	94.03%	5.846%
12	15.822	15.730	15.919	BB	412745	5554679	92.32%	5.739%
13	16.771	16.700	16.852	BB	405877	5492774	91.29%	5.675%
14	17.658	17.600	17.732	BB	400354	5539863	92.07%	5.724%
15	18.489	18.450	18.564	BB	362662	5428444	90.22%	5.609%
16	19.272	19.200	19.377	BB	357283	5389934	89.58%	5.569%
17	20.011	19.955	20.104	BB	318243	5085239	84.52%	5.254%
18	20.736	20.670	20.835	BB	286243	4788581	79.59%	4.948%
19	21.627	21.560	21.750	BBA	171006	4221747	70.16%	4.362%
			Sum of corrected areas:			96780586		

Aliphatic EPH 091024.M Fri Sep 20 04:33:35 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:	PB163524BSD		SDG No.:	P4103	
Lab Sample ID:	PB163524BSD		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
FD048336.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.51		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.17		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.9		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.5		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.6		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.3		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.0		40 - 140	88%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB163524BSD	Acq On:	19 Sep 2024 21:53
Client Sample ID:	PB163524BSD	Operator:	YP/AJ
Data file:	FD048336.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.108	5.827	14776477	82.724	200	ug/ml
Aromatic C12-C16	5.828	8.434	24404343	137.754	300	ug/ml
Aromatic C16-C21	8.435	12.696	50916130	314.121	500	ug/ml
Aromatic C21-C36	12.697	18.099	60959459	412.365	800	ug/ml
Aromatic EPH	4.108	18.099	151056409	946.964		ug/ml
ortho-Terphenyl (SURR)	11.275	11.275	7551046	44.01		ug/ml
2-Bromonaphthalene (SURR)	7.388	7.388	8277876	54.58		ug/ml
2-Flurobiphenyl (SURR)	8.239	8.239	5189739	54.31		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048336.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 21:53
Operator : YP/AJ
Sample : PB163524BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB163524BSD

Integration File: autoint1.e
Quant Time: Sep 20 05:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.388	8277876	54.581 ug/ml
Spiked Amount	50.000		Recovery =	109.16%
6) S	2-Flurobiphenyl (SURR)	8.239	5189739	54.315 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	108.63%
11) S	ortho-Terphenyl (SURR)	11.275	7551046	44.012 ug/ml
Spiked Amount	50.000		Recovery =	88.02%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.210	7004927	39.709 ug/ml
2) T	Naphthalene (C11.7)	5.728	7771550	42.975 ug/ml
3) T	2-Methylnaphthalene (...	6.775	7998113	44.705 ug/ml
5) T	Acenaphthylene (C15.06)	8.042	8245905	47.196 ug/ml
7) T	Acenaphthene (C15.5)	8.337	8160325	45.882 ug/ml
8) T	Flouorene (C16.55)	9.116	8322816	49.703 ug/ml
9) T	Phenanthrene (C19.36)	10.504	8365071	51.813 ug/ml
10) T	Anthracene (C19.43)	10.579	8176462	51.382 ug/ml
12) T	Fluoranthene (C21.85)	12.309	9870006	60.883 ug/ml
13) T	Pyrene (C20.8)	12.603	8630729	53.829 ug/ml
14) T	Benzo[a]anthracene (C...	14.471	7903874	56.425 ug/ml
15) T	Chrysene (C27.41)	14.514	7869694	47.777 ug/ml
16) T	benzo[b]fluoranthene ...	16.019	7961777	53.587 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.053	8009238	52.003 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.394	7675461	51.878 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.759	7032996	62.243 ug/ml
20) T	Dibenz[a,h]anthracene...	17.797	7414398	48.583 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.012	7092021	48.113 ug/ml

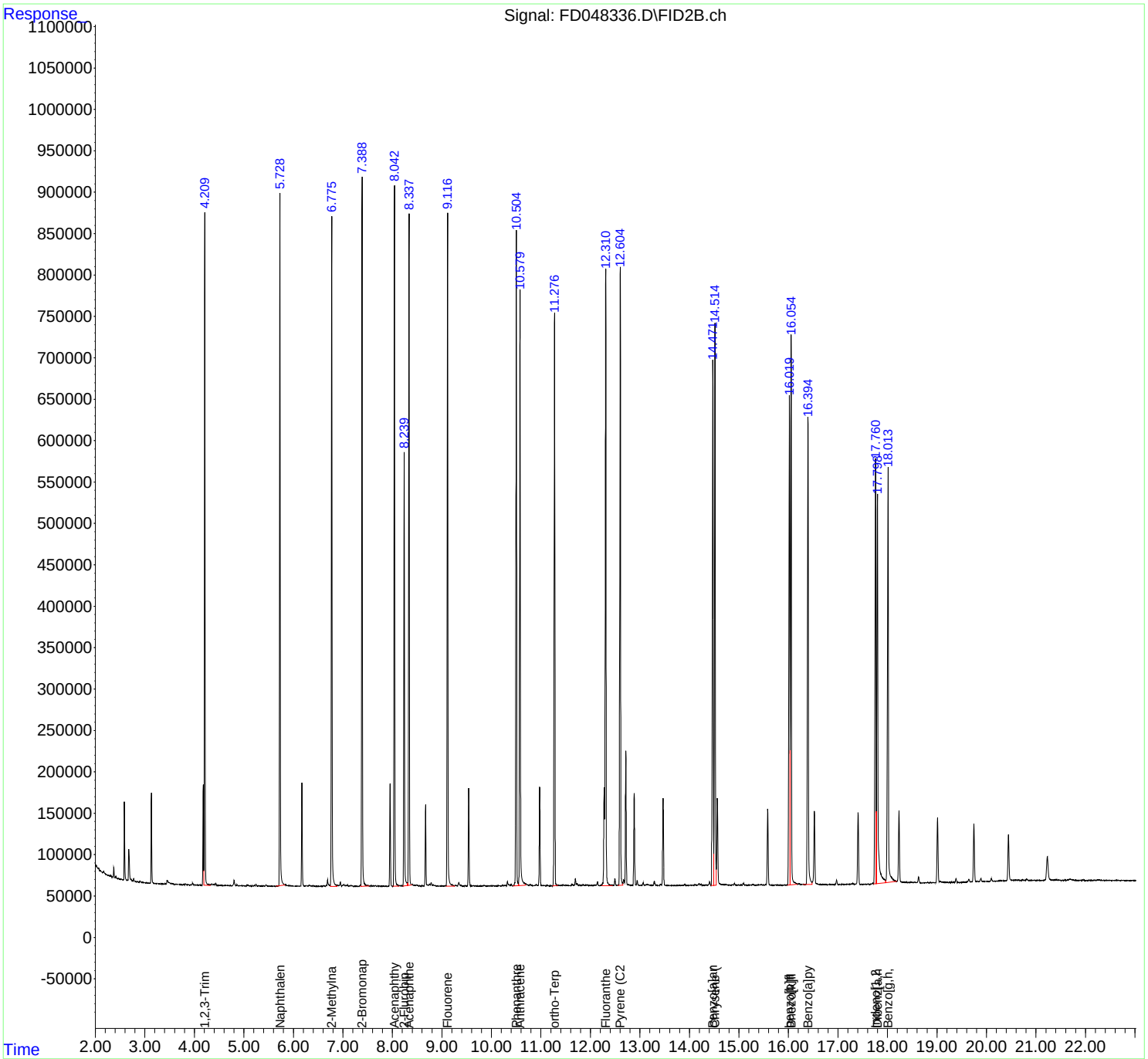
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048336.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 21:53
Operator : YP/AJ
Sample : PB163524BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB163524BSD

Integration File: autoint1.e
Quant Time: Sep 20 05:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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\FD091924AR\
Data File : FD048336.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 21:53
Sample : PB163524BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.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	4.210	4.191	4.321	VV	808873	7004927	70.97%	4.258%
2	5.728	5.655	5.831	BV	835176	7771550	78.74%	4.724%
3	6.775	6.745	6.879	VV	804141	7998113	81.03%	4.861%
4	7.388	7.360	7.535	VV	856244	8277876	83.87%	5.031%
5	8.042	8.015	8.133	VV	839608	8245905	83.55%	5.012%
6	8.239	8.205	8.306	PV	515358	5189739	52.58%	3.154%
7	8.337	8.306	8.398	VV	814743	8160325	82.68%	4.960%
8	9.116	9.088	9.258	VV	822367	8322816	84.32%	5.059%
9	10.504	10.427	10.546	PV	794574	8365071	84.75%	5.084%
10	10.579	10.546	10.688	VV	711572	8176462	82.84%	4.970%
11	11.276	11.231	11.347	BV	686553	7551046	76.50%	4.590%
12	12.309	12.228	12.448	VV	739679	9870006	100.00%	5.999%
13	12.603	12.548	12.655	PV	760886	8630729	87.44%	5.246%
14	14.471	14.431	14.490	VV	634496	7903874	80.08%	4.804%
15	14.514	14.490	14.541	VV	680757	7869694	79.73%	4.783%
16	16.019	15.978	16.034	BV	578587	7961777	80.67%	4.839%
17	16.053	16.034	16.185	VV	678055	8009238	81.15%	4.868%
18	16.394	16.295	16.478	BV	566928	7675461	77.77%	4.665%
19	17.759	17.717	17.775	PV	508588	7032996	71.26%	4.275%
20	17.797	17.775	17.966	VV	478364	7414398	75.12%	4.507%
21	18.012	17.966	18.195	VV	493153	7092021	71.85%	4.311%

Sum of corrected areas: 164524025

Aromatic EPH 090624.M Fri Sep 20 07:49:22 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:	WC-23MS			SDG No.:	P4103
Lab Sample ID:	P4103-16MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86
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
09/19/24 12:25	09/19/24 23:47	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	23.0		1	0.44	1.16	mg/kg	FC067184.D
Aliphatic C12-C16	Aliphatic C12-C16	44.9	E	1	0.28	0.77	mg/kg	FC067184.D
Aliphatic C16-C21	Aliphatic C16-C21	18.8		1	0.35	1.16	mg/kg	FC067184.D
Aliphatic C21-C28	Aliphatic C21-C28	13.2		1	0.93	1.55	mg/kg	FC067184.D
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	2.09	2.32	mg/kg	FC067184.D
Aromatic C10-C12	Aromatic C10-C12	10.3		1	0.35	0.77	mg/kg	FD048339.D
Aromatic C12-C16	Aromatic C12-C16	19.8		1	0.40	1.16	mg/kg	FD048339.D
Aromatic C16-C21	Aromatic C16-C21	27.1		1	1.11	1.93	mg/kg	FD048339.D
Aromatic C21-C36	Aromatic C21-C36	30.9		1	2.32	3.09	mg/kg	FD048339.D
Total AliphaticEPH	Total AliphaticEPH	126			4.09	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	88.1			4.17	6.95	mg/kg	
Total EPH	Total EPH	215			8.26	13.9	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	North Point			Date Received:	
Client Sample ID:	WC-23MS			SDG No.:	P4103
Lab Sample ID:	P4103-16MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86
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
FC067184.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		23.0		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		44.9	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		18.8		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		13.2		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.5		2.09	2.32	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-16MS	Acq On:	19 Sep 2024 23:47
Client Sample ID:	WC-23MS	Operator:	YP/AJ
Data file:	FC067184.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.177	6.459	39770309	297.675	300	ug/ml
Aliphatic C12-C16	6.460	9.852	74850150	580.68	200	ug/ml
Aliphatic C16-C21	9.853	13.212	29489461	242.479	300	ug/ml
Aliphatic C21-C28	13.213	16.869	19107157	170.649	400	ug/ml
Aliphatic C28-C40	16.870	21.722	30223477	342.433	600	ug/ml
Aliphatic EPH	3.177	21.722	193440554	1630		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	3239657	33.16		ug/ml
Aliphatic C9-C28	3.177	16.869	163217077	1290	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067184.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 23:47
Operator : YP/AJ
Sample : P4103-16MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23MS

Integration File: autoint1.e
Quant Time: Sep 20 03:53:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.944	3239657	33.164 ug/ml
Spiked Amount	50.000		Recovery =	66.33%
	Target Compounds			
1) T	n-Nonane (C9)	3.278	3177113	23.952 ug/ml
2) T	n-Decane (C10)	4.343	3874970	28.851 ug/ml
4) T	n-Dodecane (C12)	6.361	5340576	39.898 ug/ml
6) T	n-Tetradecane (C14)	8.155	6118979	47.480 ug/ml
7) T	n-Hexadecane (C16)	9.754	5051056	39.178 ug/ml
8) T	n-Octadecane (C18)	11.194	4894912	38.259 ug/ml
10) T	n-Eicosane (C20)	12.502	4807712	40.026 ug/ml
11) T	n-Heneicosane (C21)	13.113	4575684	39.178 ug/ml
13) T	n-Docosane (C22)	13.699	4506827	39.034 ug/ml
14) T	n-Tetracosane (C24)	14.800	4371156	38.491 ug/ml
15) T	n-Hexacosane (C26)	15.820	4294607	38.750 ug/ml
16) T	n-Octacosane (C28)	16.769	4196549	38.850 ug/ml
17) T	n-Tricontane (C30)	17.656	4209542	38.700 ug/ml
18) T	n-Dotriacontane (C32)	18.488	4144484	39.734 ug/ml
19) T	n-Tetratriacontane (C34)	19.270	4084382	44.271 ug/ml
20) T	n-Hexatriacontane (C36)	20.010	3843665	48.502 ug/ml
21) T	n-Octatriacontane (C38)	20.734	3677260	48.955 ug/ml
22) T	n-Tetracontane (C40)	21.624	3252051	46.548 ug/ml

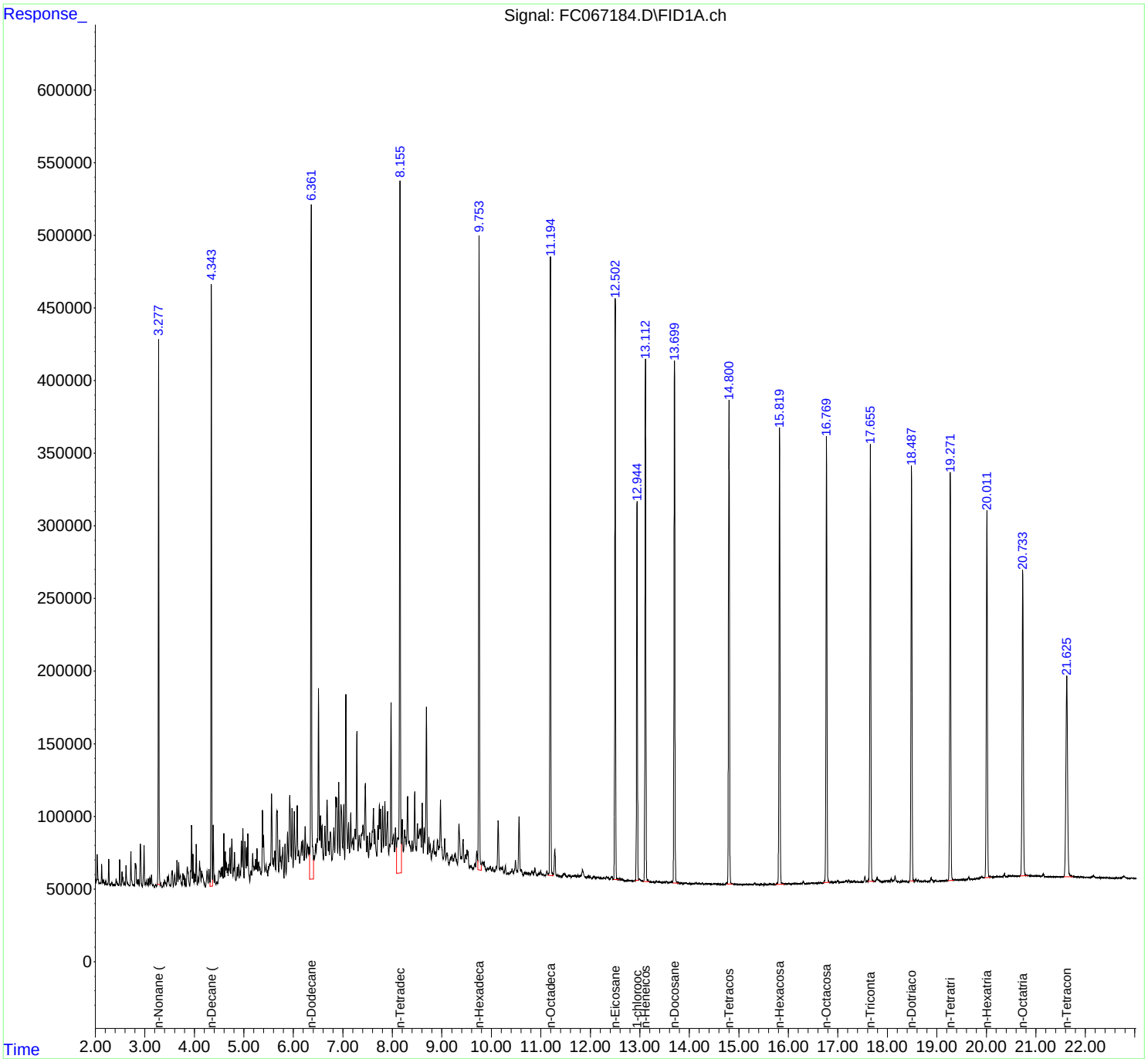
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067184.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 23:47
Operator : YP/AJ
Sample : P4103-16MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23MS

Integration File: autoint1.e
Quant Time: Sep 20 03:53:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067184.D
Signal(s) : FID1A.ch
Acq On : 19 Sep 2024 23:47
Sample : P4103-16MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.204	3.312	BV	375787	3234574	48.46%	1.643%
2	3.321	3.312	3.354	VV	1995	23703	0.36%	0.012%
3	3.375	3.354	3.386	PV	2911	25587	0.38%	0.013%
4	3.401	3.386	3.437	VV	4748	82846	1.24%	0.042%
5	3.454	3.437	3.465	VV	7106	68284	1.02%	0.035%
6	3.478	3.465	3.508	VV	7724	95727	1.43%	0.049%
7	3.515	3.508	3.523	VV	1375	10035	0.15%	0.005%
8	3.554	3.523	3.575	VV	11458	187742	2.81%	0.095%
9	3.603	3.575	3.625	VV	8447	123243	1.85%	0.063%
10	3.649	3.625	3.667	VV	18340	204391	3.06%	0.104%
11	3.684	3.667	3.698	VV	16728	172414	2.58%	0.088%
12	3.718	3.698	3.752	VV	7881	158104	2.37%	0.080%
13	3.769	3.752	3.779	VV	9361	87976	1.32%	0.045%
14	3.787	3.779	3.802	VV	8184	73063	1.09%	0.037%
15	3.815	3.802	3.832	VV	5825	53058	0.79%	0.027%
16	3.858	3.832	3.906	VV	13827	292328	4.38%	0.148%
17	3.944	3.906	3.960	VV	42757	508188	7.61%	0.258%
18	3.972	3.960	3.990	VV	22467	222302	3.33%	0.113%
19	4.004	3.990	4.019	VV	9069	101335	1.52%	0.051%
20	4.038	4.019	4.060	VV	29343	297963	4.46%	0.151%
21	4.078	4.060	4.089	VV	6422	73010	1.09%	0.037%
22	4.106	4.089	4.134	VV	17817	276201	4.14%	0.140%
23	4.149	4.134	4.224	VV	10976	271043	4.06%	0.138%
24	4.257	4.224	4.278	VV	10902	172627	2.59%	0.088%
25	4.295	4.278	4.316	VV	12088	155615	2.33%	0.079%
26	4.343	4.316	4.366	VV	413880	3888865	58.26%	1.975%
27	4.382	4.366	4.400	VV	42315	401231	6.01%	0.204%
28	4.412	4.400	4.434	VV	7625	93101	1.39%	0.047%
29	4.458	4.434	4.471	VV	3251	61097	0.92%	0.031%
30	4.506	4.471	4.525	VV	10698	262480	3.93%	0.133%
31	4.540	4.525	4.553	VV	13160	170734	2.56%	0.087%
32	4.566	4.553	4.580	VV	13707	162266	2.43%	0.082%
33	4.596	4.580	4.611	VV	36690	368843	5.53%	0.187%
34	4.625	4.611	4.638	VV	24012	268008	4.02%	0.136%
35	4.649	4.638	4.681	VV	16452	320228	4.80%	0.163%
36	4.718	4.681	4.735	VV	26668	505015	7.57%	0.257%

rteres

37	4.758	4.735	4.780	VV	33135	531158	7.96%	0.270%
38	4.811	4.780	4.839	VV	23803	430838	6.45%	0.219%
39	4.865	4.839	4.879	VV	13606	203847	3.05%	0.104%
40	4.896	4.879	4.916	VV	15253	253706	3.80%	0.129%
41	4.950	4.916	4.964	VV	31547	461615	6.92%	0.234%
42	4.981	4.964	5.003	VV	40282	516625	7.74%	0.262%
43	5.023	5.003	5.044	VV	31206	499314	7.48%	0.254%
44	5.057	5.044	5.068	VV	26852	281333	4.21%	0.143%
45	5.081	5.068	5.120	VV	36349	518907	7.77%	0.264%
46	5.146	5.120	5.159	VV	10443	193127	2.89%	0.098%
47	5.178	5.159	5.208	VV	22866	440481	6.60%	0.224%
48	5.238	5.208	5.252	VV	19009	383352	5.74%	0.195%
49	5.266	5.252	5.282	VV	26218	334549	5.01%	0.170%
50	5.298	5.282	5.318	VV	16726	301726	4.52%	0.153%
51	5.326	5.318	5.343	VV	13095	171731	2.57%	0.087%
52	5.378	5.343	5.428	VV	52641	1160697	17.39%	0.590%
53	5.448	5.428	5.483	VV	15349	388363	5.82%	0.197%
54	5.522	5.483	5.533	VV	15751	395095	5.92%	0.201%
55	5.560	5.533	5.603	VV	63256	1234402	18.49%	0.627%
56	5.625	5.603	5.642	VV	24711	425024	6.37%	0.216%
57	5.670	5.642	5.704	VV	51998	1192820	17.87%	0.606%
58	5.725	5.704	5.759	VV	31907	645859	9.68%	0.328%
59	5.787	5.759	5.811	VV	27341	543991	8.15%	0.276%
60	5.832	5.811	5.854	VV	29499	430416	6.45%	0.219%
61	5.883	5.854	5.902	VV	37256	664760	9.96%	0.338%
62	5.928	5.902	5.956	VV	62318	1282460	19.21%	0.651%
63	5.975	5.956	5.996	VV	53610	738506	11.06%	0.375%
64	6.020	5.996	6.044	VV	51406	883707	13.24%	0.449%
65	6.078	6.044	6.096	VV	55884	1022831	15.32%	0.520%
66	6.108	6.096	6.128	VV	24143	408744	6.12%	0.208%
67	6.166	6.128	6.179	VV	30794	720162	10.79%	0.366%
68	6.194	6.179	6.220	VV	31955	633820	9.50%	0.322%
69	6.239	6.220	6.263	VV	41399	730092	10.94%	0.371%
70	6.286	6.263	6.302	VV	28893	588615	8.82%	0.299%
71	6.313	6.302	6.328	VV	27294	384830	5.77%	0.195%
72	6.361	6.328	6.409	VV	469041	5579897	83.60%	2.834%
73	6.420	6.409	6.430	VV	20908	251211	3.76%	0.128%
74	6.449	6.430	6.461	VV	29381	468471	7.02%	0.238%
75	6.509	6.461	6.532	VV	136264	2319881	34.76%	1.178%
76	6.548	6.532	6.567	VV	48707	798081	11.96%	0.405%
77	6.579	6.567	6.607	VV	41742	698396	10.46%	0.355%
78	6.636	6.607	6.657	VV	41632	887698	13.30%	0.451%
79	6.682	6.657	6.706	VV	59479	1173219	17.58%	0.596%
80	6.715	6.706	6.728	VV	30959	354101	5.31%	0.180%
81	6.747	6.728	6.781	VV	36651	923385	13.83%	0.469%
82	6.818	6.781	6.837	VV	40406	928380	13.91%	0.472%
83	6.859	6.837	6.868	VV	61989	840112	12.59%	0.427%
84	6.875	6.868	6.897	VV	60610	793679	11.89%	0.403%
85	6.917	6.897	6.942	VV	71332	1129404	16.92%	0.574%
86	6.965	6.942	7.001	VV	55603	1409681	21.12%	0.716%
87	7.019	7.001	7.038	VV	56480	836344	12.53%	0.425%
88	7.062	7.038	7.098	VV	132059	2103014	31.51%	1.068%
89	7.115	7.098	7.136	VV	44074	748520	11.21%	0.380%

90	7.160	7.136	7.179	VV	50407	906204	13.58%	0.460%
91	7.204	7.179	7.220	VV	32967	748737	11.22%	0.380%
92	7.246	7.220	7.260	VV	39010	785666	11.77%	0.399%
93	7.283	7.260	7.308	VV	106895	1624433	24.34%	0.825%
94	7.331	7.308	7.358	VV	35173	889524	13.33%	0.452%
95	7.407	7.358	7.429	VV	41167	1533990	22.98%	0.779%
96	7.454	7.429	7.481	VV	70393	1455807	21.81%	0.739%
97	7.497	7.481	7.521	VV	34582	656922	9.84%	0.334%
98	7.541	7.521	7.558	VV	36690	631765	9.46%	0.321%
99	7.619	7.558	7.635	VV	53168	1676453	25.12%	0.852%
100	7.647	7.635	7.686	VV	39155	902399	13.52%	0.458%
101	7.708	7.686	7.720	VV	41963	664421	9.95%	0.337%
102	7.737	7.720	7.750	VV	55962	809255	12.12%	0.411%
103	7.761	7.750	7.781	VV	52869	732590	10.98%	0.372%
104	7.804	7.781	7.824	VV	55246	966682	14.48%	0.491%
105	7.850	7.824	7.872	VV	58369	1174080	17.59%	0.596%
106	7.903	7.872	7.928	VV	51489	1225209	18.36%	0.622%
107	7.974	7.928	8.001	VV	125946	2225458	33.34%	1.130%
108	8.023	8.001	8.045	VV	35290	828035	12.41%	0.421%
109	8.063	8.045	8.084	VV	39962	748639	11.22%	0.380%
110	8.155	8.084	8.182	VV	483368	6674853	100.00%	3.390%
111	8.201	8.182	8.224	VV	46048	866680	12.98%	0.440%
112	8.249	8.224	8.281	VV	38470	1089631	16.32%	0.553%
113	8.309	8.281	8.334	VV	61688	1311556	19.65%	0.666%
114	8.344	8.334	8.380	VV	30502	775512	11.62%	0.394%
115	8.399	8.380	8.415	VV	31135	569080	8.53%	0.289%
116	8.453	8.415	8.490	VV	65045	1587382	23.78%	0.806%
117	8.508	8.490	8.532	VV	42806	871660	13.06%	0.443%
118	8.549	8.532	8.560	VV	38605	603834	9.05%	0.307%
119	8.571	8.560	8.586	VV	39422	557619	8.35%	0.283%
120	8.605	8.586	8.626	VV	57047	952421	14.27%	0.484%
121	8.644	8.626	8.657	VV	39953	611869	9.17%	0.311%
122	8.689	8.657	8.716	VV	121796	2077324	31.12%	1.055%
123	8.739	8.716	8.754	VV	33687	636034	9.53%	0.323%
124	8.767	8.754	8.789	VV	28438	502489	7.53%	0.255%
125	8.835	8.789	8.853	VV	30663	945193	14.16%	0.480%
126	8.867	8.853	8.883	VV	23418	403764	6.05%	0.205%
127	8.913	8.883	8.934	VV	31628	818625	12.26%	0.416%
128	8.974	8.934	9.026	VV	59042	1732073	25.95%	0.880%
129	9.058	9.026	9.081	VV	32523	781757	11.71%	0.397%
130	9.104	9.081	9.148	VV	22733	760335	11.39%	0.386%
131	9.176	9.148	9.191	VV	19900	462475	6.93%	0.235%
132	9.208	9.191	9.225	VV	21695	404905	6.07%	0.206%
133	9.274	9.225	9.318	VV	22368	1032750	15.47%	0.525%
134	9.347	9.318	9.382	VV	42788	1082742	16.22%	0.550%
135	9.392	9.382	9.402	VV	20281	240189	3.60%	0.122%
136	9.430	9.402	9.455	VV	32029	745010	11.16%	0.378%
137	9.479	9.455	9.493	VV	21518	446684	6.69%	0.227%
138	9.509	9.493	9.520	VV	24722	356832	5.35%	0.181%
139	9.529	9.520	9.556	VV	23922	391855	5.87%	0.199%
140	9.588	9.556	9.620	VV	13628	492189	7.37%	0.250%
141	9.630	9.620	9.640	VV	12138	144838	2.17%	0.074%

142	9.665	9.640	9.681	VV	15251	336626	5.04%	0.171%
143	9.707	9.681	9.723	VV	23886	481981	7.22%	0.245%
144	9.754	9.723	9.798	VV	447548	5552670	83.19%	2.820%
145	9.814	9.798	9.842	VV	16190	418549	6.27%	0.213%
146	9.854	9.842	9.900	VV	16276	455264	6.82%	0.231%
147	9.922	9.900	9.943	VV	12163	295594	4.43%	0.150%
148	9.980	9.943	10.006	VV	12545	438904	6.58%	0.223%
149	10.026	10.006	10.055	VV	12343	326873	4.90%	0.166%
150	10.098	10.055	10.110	VV	13444	378663	5.67%	0.192%
151	10.139	10.110	10.170	VV	44898	871576	13.06%	0.443%
152	10.188	10.170	10.209	VV	12700	273365	4.10%	0.139%
153	10.226	10.209	10.254	VV	12510	307779	4.61%	0.156%
154	10.285	10.254	10.310	VV	13502	352293	5.28%	0.179%
155	10.331	10.310	10.361	VV	8841	252464	3.78%	0.128%
156	10.420	10.361	10.446	VV	11585	489225	7.33%	0.248%
157	10.489	10.446	10.526	VV	17589	561978	8.42%	0.285%
158	10.561	10.526	10.644	VV	47264	1190646	17.84%	0.605%
159	10.683	10.644	10.744	VV	8861	499352	7.48%	0.254%
160	10.761	10.744	10.787	VV	8780	210594	3.16%	0.107%
161	10.819	10.787	10.846	VV	9919	311218	4.66%	0.158%
162	10.881	10.846	10.924	VV	12175	428984	6.43%	0.218%
163	10.945	10.924	10.958	VV	7998	154845	2.32%	0.079%
164	10.965	10.958	10.981	VV	8313	112490	1.69%	0.057%
165	10.996	10.981	11.038	VV	10163	282271	4.23%	0.143%
166	11.047	11.038	11.071	VV	7497	146724	2.20%	0.075%
167	11.085	11.071	11.097	VV	7270	111647	1.67%	0.057%
168	11.123	11.097	11.151	VV	10214	275720	4.13%	0.140%
169	11.194	11.151	11.249	VV	429641	5304643	79.47%	2.694%
170	11.283	11.249	11.331	VV	24604	606253	9.08%	0.308%
171	11.346	11.331	11.368	VV	7368	148564	2.23%	0.075%
172	11.389	11.368	11.409	VV	6633	155203	2.33%	0.079%
173	11.466	11.409	11.477	VV	7705	284880	4.27%	0.145%
174	11.487	11.477	11.530	VV	7668	217640	3.26%	0.111%
175	11.559	11.530	11.572	VV	7218	167470	2.51%	0.085%
176	11.586	11.572	11.611	VV	7116	154829	2.32%	0.079%
177	11.634	11.611	11.661	VV	6681	188121	2.82%	0.096%
178	11.682	11.661	11.724	VV	7010	246780	3.70%	0.125%
179	11.746	11.724	11.776	VV	6795	198831	2.98%	0.101%
180	11.799	11.776	11.812	VV	7194	142249	2.13%	0.072%
181	11.842	11.812	11.912	VV	10624	456864	6.84%	0.232%
182	11.931	11.912	11.948	VV	5918	123521	1.85%	0.063%
183	11.987	11.948	12.034	VV	6342	300365	4.50%	0.153%
184	12.077	12.034	12.101	VV	6211	223959	3.36%	0.114%
185	12.160	12.101	12.187	VV	5574	274719	4.12%	0.140%
186	12.216	12.187	12.233	VV	5062	135625	2.03%	0.069%
187	12.272	12.233	12.301	VV	5431	199663	2.99%	0.101%
188	12.326	12.301	12.344	VV	6218	140457	2.10%	0.071%
189	12.363	12.344	12.397	VV	5633	156620	2.35%	0.080%
190	12.434	12.397	12.465	VV	6188	206605	3.10%	0.105%
191	12.502	12.465	12.581	VV	404691	5079740	76.10%	2.580%
192	12.602	12.581	12.630	VV	4480	122038	1.83%	0.062%
193	12.643	12.630	12.715	VV	4210	176530	2.64%	0.090%
194	12.773	12.715	12.806	VV	3439	174874	2.62%	0.089%

195	12.823	12.806	12.844	VV	3276	69991	1.05%	0.036%
196	12.861	12.844	12.878	VV	3187	60054	0.90%	0.031%
197	12.944	12.878	12.979	VV	264502	3436602	51.49%	1.746%
198	12.994	12.979	13.031	VV	4494	117377	1.76%	0.060%
199	13.039	13.031	13.074	VV	3190	77020	1.15%	0.039%
200	13.113	13.074	13.261	VV	360984	4849507	72.65%	2.463%
201	13.273	13.261	13.298	VV	2454	46849	0.70%	0.024%
202	13.334	13.298	13.364	VV	2865	91899	1.38%	0.047%
203	13.380	13.364	13.448	VV	2472	105342	1.58%	0.054%
204	13.493	13.448	13.508	VV	2118	69448	1.04%	0.035%
205	13.540	13.508	13.581	VV	2679	88643	1.33%	0.045%
206	13.613	13.581	13.624	VV	1952	46684	0.70%	0.024%
207	13.643	13.624	13.664	VV	2898	53838	0.81%	0.027%
208	13.699	13.664	13.811	VV	359171	4633824	69.42%	2.354%
209	13.830	13.811	13.887	VV	1386	53618	0.80%	0.027%
210	13.930	13.887	13.978	VV	1580	67185	1.01%	0.034%
211	13.998	13.978	14.039	VV	1184	36227	0.54%	0.018%
212	14.072	14.039	14.088	VV	1117	28330	0.42%	0.014%
213	14.133	14.088	14.178	VV	1725	60134	0.90%	0.031%
214	14.199	14.178	14.241	VV	1213	32906	0.49%	0.017%
215	14.259	14.241	14.298	VV	1283	28301	0.42%	0.014%
216	14.315	14.298	14.358	VV	815	25656	0.38%	0.013%
217	14.388	14.358	14.444	VV	904	36922	0.55%	0.019%
218	14.464	14.444	14.481	VV	600	11332	0.17%	0.006%
219	14.506	14.481	14.527	VV	1050	20641	0.31%	0.010%
220	14.539	14.527	14.598	VV	705	23851	0.36%	0.012%
221	14.607	14.598	14.638	VV	568	11156	0.17%	0.006%
222	14.657	14.638	14.690	VV	572	14058	0.21%	0.007%
223	14.701	14.690	14.719	VV	544	7617	0.11%	0.004%
224	14.753	14.719	14.763	VV	1641	24194	0.36%	0.012%
225	14.800	14.763	14.914	VV	332637	4421519	66.24%	2.246%
226	14.938	14.914	14.995	VV	526	18909	0.28%	0.010%
227	15.001	14.995	15.018	VV	337	3494	0.05%	0.002%
228	15.045	15.018	15.074	VV	451	8596	0.13%	0.004%
229	15.104	15.074	15.115	VV	421	6789	0.10%	0.003%
230	15.121	15.115	15.198	VV	367	9232	0.14%	0.005%
231	15.225	15.198	15.258	VV	496	10172	0.15%	0.005%
232	15.273	15.258	15.290	VV	359	5105	0.08%	0.003%
233	15.318	15.290	15.392	VV	1296	27991	0.42%	0.014%
234	15.447	15.392	15.478	PV	312	7803	0.12%	0.004%
235	15.626	15.478	15.684	PV	530	28679	0.43%	0.015%
236	15.694	15.684	15.741	VV	342	7107	0.11%	0.004%
237	15.820	15.741	15.941	VV	313045	4321005	64.74%	2.195%
238	16.016	15.941	16.048	VV	841	29618	0.44%	0.015%
239	16.057	16.048	16.071	VV	306	3538	0.05%	0.002%
240	16.154	16.071	16.169	VV	605	25668	0.38%	0.013%
241	16.183	16.169	16.229	VV	506	13808	0.21%	0.007%
242	16.262	16.229	16.278	VV	680	14400	0.22%	0.007%
243	16.300	16.278	16.361	VV	2009	44107	0.66%	0.022%
244	16.379	16.361	16.404	VV	481	11326	0.17%	0.006%
245	16.462	16.404	16.481	VV	778	28955	0.43%	0.015%
246	16.507	16.481	16.555	VV	815	31982	0.48%	0.016%

247	16.567	16.555	16.598	VV	745	16479	0.25%	0.008%
248	16.651	16.598	16.683	VV	1077	43975	0.66%	0.022%
249	16.769	16.683	16.834	VV	302678	4289751	64.27%	2.179%
250	16.855	16.834	16.913	VV	1481	58494	0.88%	0.030%
251	17.000	16.913	17.038	VV	2586	108966	1.63%	0.055%
252	17.071	17.038	17.117	VV	1353	56206	0.84%	0.029%
253	17.171	17.117	17.196	VV	2269	75981	1.14%	0.039%
254	17.218	17.196	17.264	VV	2769	73876	1.11%	0.038%
255	17.279	17.264	17.294	VV	1392	23135	0.35%	0.012%
256	17.323	17.294	17.358	VV	2054	58540	0.88%	0.030%
257	17.409	17.358	17.464	VV	1394	76090	1.14%	0.039%
258	17.503	17.464	17.517	VV	1441	39145	0.59%	0.020%
259	17.544	17.517	17.578	VV	4799	96264	1.44%	0.049%
260	17.656	17.578	17.748	VV	293892	4368329	65.44%	2.219%
261	17.789	17.748	17.866	VV	4082	163733	2.45%	0.083%
262	17.891	17.866	17.914	VV	1363	34939	0.52%	0.018%
263	17.949	17.914	17.957	VV	1376	33090	0.50%	0.017%
264	17.991	17.957	18.008	VV	1958	48957	0.73%	0.025%
265	18.026	18.008	18.052	VV	1671	39919	0.60%	0.020%
266	18.077	18.052	18.108	VV	3193	72246	1.08%	0.037%
267	18.155	18.108	18.207	VV	4900	132052	1.98%	0.067%
268	18.224	18.207	18.255	VV	1238	30543	0.46%	0.016%
269	18.276	18.255	18.287	VV	1333	21653	0.32%	0.011%
270	18.308	18.287	18.357	VV	1377	50887	0.76%	0.026%
271	18.374	18.357	18.425	VV	1097	40433	0.61%	0.021%
272	18.488	18.425	18.551	VV	286783	4248314	63.65%	2.158%
273	18.578	18.551	18.602	VV	2557	55751	0.84%	0.028%
274	18.626	18.602	18.692	VV	2098	75292	1.13%	0.038%
275	18.713	18.692	18.731	VV	1234	26776	0.40%	0.014%
276	18.754	18.731	18.820	VV	1325	61214	0.92%	0.031%
277	18.882	18.820	18.943	VV	3221	124130	1.86%	0.063%
278	18.980	18.943	19.021	VV	1729	61415	0.92%	0.031%
279	19.081	19.021	19.101	VV	1413	59642	0.89%	0.030%
280	19.270	19.101	19.342	VV	281680	4294628	64.34%	2.181%
281	19.379	19.342	19.410	VV	2187	79103	1.19%	0.040%
282	19.426	19.410	19.438	VV	1816	30083	0.45%	0.015%
283	19.456	19.438	19.464	VV	1838	28487	0.43%	0.014%
284	19.483	19.464	19.511	VV	2005	53002	0.79%	0.027%
285	19.526	19.511	19.538	VV	1983	30685	0.46%	0.016%
286	19.574	19.538	19.588	VV	2064	59303	0.89%	0.030%
287	19.643	19.588	19.666	VV	3455	118963	1.78%	0.060%
288	19.682	19.666	19.721	VV	2517	76775	1.15%	0.039%
289	19.907	19.721	19.960	VV	3915	408556	6.12%	0.208%
290	20.010	19.960	20.118	VV	255444	4162270	62.36%	2.114%
291	20.202	20.118	20.238	VV	3877	261921	3.92%	0.133%
292	20.264	20.238	20.315	VV	3919	175570	2.63%	0.089%
293	20.362	20.315	20.395	VV	5632	207688	3.11%	0.105%
294	20.477	20.395	20.506	VV	4414	269320	4.03%	0.137%
295	20.536	20.506	20.561	VV	4392	139465	2.09%	0.071%
296	20.567	20.561	20.581	VV	4152	49521	0.74%	0.025%
297	20.588	20.581	20.608	VV	4167	65335	0.98%	0.033%
298	20.614	20.608	20.627	VV	4050	45539	0.68%	0.023%
299	20.734	20.627	20.905	VV	212814	4376965	65.57%	2.223%

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300	20.911	20.905	20.937	VV	4178	78304	1.17%	0.040%
301	20.965	20.937	20.974	VV	4126	89055	1.33%	0.045%
302	20.998	20.974	21.031	VV	4163	138490	2.07%	0.070%
303	21.053	21.031	21.068	VV	4011	86064	1.29%	0.044%
304	21.072	21.068	21.101	VV	3911	76280	1.14%	0.039%
305	21.147	21.101	21.204	VV	4977	251115	3.76%	0.128%
306	21.213	21.204	21.225	VV	3383	42327	0.63%	0.021%
307	21.252	21.225	21.271	VV	3425	92859	1.39%	0.047%
308	21.280	21.271	21.319	VV	3423	95106	1.42%	0.048%
309	21.371	21.319	21.418	VV	3406	191951	2.88%	0.097%
310	21.429	21.418	21.448	VV	3279	57527	0.86%	0.029%
311	21.463	21.448	21.538	VV	3259	170575	2.56%	0.087%
312	21.624	21.538	21.701	VBA	141155	3563127	53.38%	1.810%

Sum of corrected areas: 196877151

Aliphatic EPH 091024.M Fri Sep 20 04:39:10 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:	WC-23MS			SDG No.:	P4103
Lab Sample ID:	P4103-16MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86
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
FD048339.D	1	09/19/24	09/19/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.3		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	19.8		0.40	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	27.1		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.9		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.3		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.4		40 - 140	49%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-16MS	Acq On:	19 Sep 2024 23:47
Client Sample ID:	WC-23MS	Operator:	YP/AJ
Data file:	FD048339.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	4.108	5.827	23706817	132.72	200	ug/ml
Aromatic C12-C16	5.828	8.434	45274696	255.56	300	ug/ml
Aromatic C16-C21	8.435	12.696	56828665	350.597	500	ug/ml
Aromatic C21-C36	12.697	18.099	59060017	399.516	800	ug/ml
Aromatic EPH	4.108	18.099	184870195	1140		ug/ml
ortho-Terphenyl (SURR)	11.273	11.273	4189262	24.42		ug/ml
2-Bromonaphthalene (SURR)	7.388	7.388	7575388	49.95		ug/ml
2-Flurobiphenyl (SURR)	8.238	8.238	4523269	47.34		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048339.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 23:47
Operator : YP/AJ
Sample : P4103-16MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC-23MS

Integration File: autoint1.e
Quant Time: Sep 20 05:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.388	7575388	49.949 ug/ml
Spiked Amount	50.000		Recovery =	99.90%
6) S	2-Flurobiphenyl (SURR)	8.238	4523269	47.340 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	94.68%
11) S	ortho-Terphenyl (SURR)	11.273	4189262	24.417 ug/ml
Spiked Amount	50.000		Recovery =	48.83%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.208	5431990	30.792 ug/ml
2) T	Naphthalene (C11.7)	5.727	6755337	37.356 ug/ml
3) T	2-Methylnaphthalene (...	6.775	7209669	40.298 ug/ml
5) T	Acenaphthylene (C15.06)	8.041	7190165	41.154 ug/ml
7) T	Acenaphthene (C15.5)	8.337	7057649	39.682 ug/ml
8) T	Flouorene (C16.55)	9.115	7219433	43.114 ug/ml
9) T	Phenanthrene (C19.36)	10.503	7111509	44.049 ug/ml
10) T	Anthracene (C19.43)	10.578	6893305	43.319 ug/ml
12) T	Fluoranthene (C21.85)	12.307	7703952	47.522 ug/ml
13) T	Pyrene (C20.8)	12.601	7410612	46.219 ug/ml
14) T	Benzo[a]anthracene (C...	14.469	6203113	44.283 ug/ml
15) T	Chrysene (C27.41)	14.511	6386353	38.772 ug/ml
16) T	benzo[b]fluoranthene ...	16.016	6218293	41.852 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.050	6302860	40.924 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.391	5983389	40.441 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.757	5889114	52.119 ug/ml
20) T	Dibenz[a,h]anthracene...	17.794	5938078	38.910 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.008	5638203	38.250 ug/ml

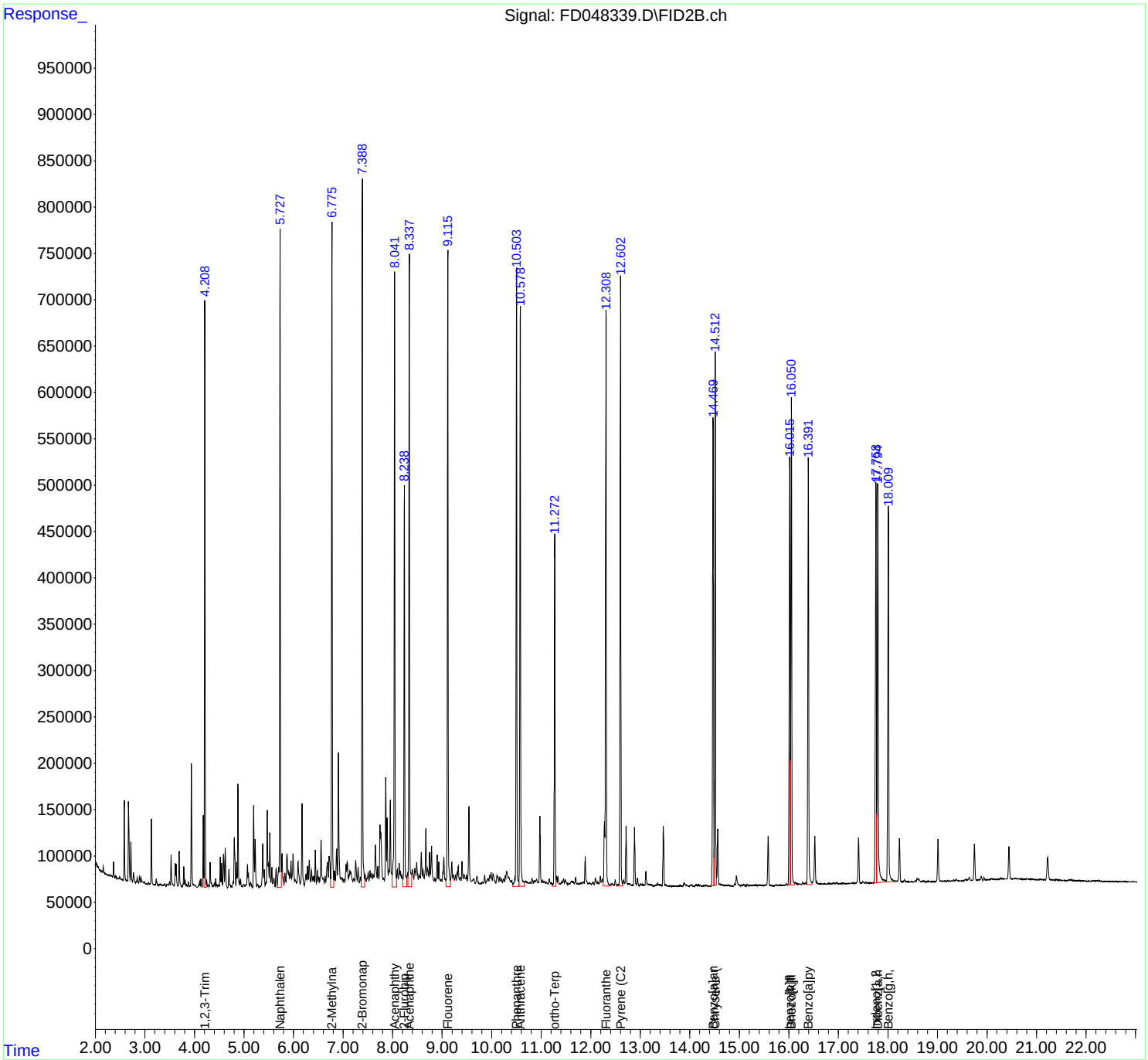
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048339.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 23:47
Operator : YP/AJ
Sample : P4103-16MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC-23MS

Integration File: autoint1.e
Quant Time: Sep 20 05:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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\FD091924AR\
Data File : FD048339.D
Signal(s) : FID2B.ch
Acq On : 19 Sep 2024 23:47
Sample : P4103-16MS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.177	4.152	4.191	BV	77032	676603	8.91%	0.336%
2	4.208	4.191	4.235	VV	632949	5412599	71.28%	2.687%
3	4.246	4.235	4.265	VV	6785	66970	0.88%	0.033%
4	4.279	4.265	4.298	VV	2539	30028	0.40%	0.015%
5	4.316	4.298	4.337	VV	26653	266262	3.51%	0.132%
6	4.342	4.337	4.360	VV	4280	42045	0.55%	0.021%
7	4.365	4.360	4.382	VV	1601	17050	0.22%	0.008%
8	4.400	4.382	4.414	VV	4106	46999	0.62%	0.023%
9	4.428	4.414	4.441	VV	9184	82501	1.09%	0.041%
10	4.451	4.441	4.466	VV	3337	33818	0.45%	0.017%
11	4.480	4.466	4.490	VV	2255	25867	0.34%	0.013%
12	4.498	4.490	4.504	VV	2457	17170	0.23%	0.009%
13	4.521	4.504	4.535	VV	32939	290429	3.82%	0.144%
14	4.548	4.535	4.566	VV	26239	247710	3.26%	0.123%
15	4.586	4.566	4.606	VV	35778	465840	6.13%	0.231%
16	4.620	4.606	4.663	VV	42591	485849	6.40%	0.241%
17	4.695	4.663	4.714	PV	19844	194685	2.56%	0.097%
18	4.721	4.714	4.738	VV	3038	30643	0.40%	0.015%
19	4.748	4.738	4.760	VV	1263	12119	0.16%	0.006%
20	4.779	4.760	4.786	VV	6465	59233	0.78%	0.029%
21	4.804	4.786	4.835	VV	54262	760261	10.01%	0.377%
22	4.851	4.835	4.862	VV	27636	255186	3.36%	0.127%
23	4.878	4.862	4.900	VV	111271	1073368	14.14%	0.533%
24	4.909	4.900	4.920	VV	6974	65773	0.87%	0.033%
25	4.932	4.920	4.951	VV	8338	87406	1.15%	0.043%
26	4.964	4.951	4.977	VV	1591	18192	0.24%	0.009%
27	4.997	4.977	5.013	VV	3888	52282	0.69%	0.026%
28	5.020	5.013	5.025	VV	1782	11401	0.15%	0.006%
29	5.037	5.025	5.045	VV	3137	29605	0.39%	0.015%
30	5.070	5.045	5.082	VV	25108	291425	3.84%	0.145%
31	5.088	5.082	5.109	VV	14210	130585	1.72%	0.065%
32	5.129	5.109	5.139	VV	4980	58136	0.77%	0.029%
33	5.146	5.139	5.161	VV	3987	35792	0.47%	0.018%
34	5.168	5.161	5.174	VV	981	6654	0.09%	0.003%
35	5.194	5.174	5.213	VV	88322	895819	11.80%	0.445%
36	5.226	5.213	5.257	VV	52233	570852	7.52%	0.283%

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37	5.271	5.257	5.306	VV	3606	59987	0.79%	0.030%
38	5.319	5.306	5.330	VV	1233	12366	0.16%	0.006%
39	5.378	5.330	5.398	VV	47143	607593	8.00%	0.302%
40	5.409	5.398	5.426	VV	19404	190527	2.51%	0.095%
41	5.443	5.426	5.451	VV	5776	65329	0.86%	0.032%
42	5.469	5.451	5.486	VV	83347	873690	11.51%	0.434%
43	5.493	5.486	5.507	VV	25340	258385	3.40%	0.128%
44	5.521	5.507	5.544	VV	59045	577813	7.61%	0.287%
45	5.562	5.544	5.579	VV	21779	249826	3.29%	0.124%
46	5.605	5.579	5.628	VV	9822	174545	2.30%	0.087%
47	5.648	5.628	5.668	VV	21406	252814	3.33%	0.126%
48	5.701	5.668	5.708	VV	22078	314379	4.14%	0.156%
49	5.728	5.708	5.753	VV	709521	6445073	84.88%	3.200%
50	5.768	5.753	5.807	VV	36697	545515	7.18%	0.271%
51	5.825	5.807	5.847	VV	15566	231818	3.05%	0.115%
52	5.866	5.847	5.895	VV	35655	644601	8.49%	0.320%
53	5.905	5.895	5.917	VV	16805	189102	2.49%	0.094%
54	5.926	5.917	5.935	VV	14112	131315	1.73%	0.065%
55	5.949	5.935	5.964	VV	28549	316283	4.17%	0.157%
56	5.990	5.964	6.020	VV	36388	645041	8.49%	0.320%
57	6.030	6.020	6.063	VV	8620	177396	2.34%	0.088%
58	6.091	6.063	6.135	VV	27764	549087	7.23%	0.273%
59	6.172	6.135	6.217	VV	90686	1146713	15.10%	0.569%
60	6.252	6.217	6.266	VV	14286	255480	3.36%	0.127%
61	6.283	6.266	6.299	VV	23114	311552	4.10%	0.155%
62	6.318	6.299	6.341	VV	29171	435655	5.74%	0.216%
63	6.364	6.341	6.379	VV	18174	267390	3.52%	0.133%
64	6.391	6.379	6.401	VV	11416	125948	1.66%	0.063%
65	6.410	6.401	6.424	VV	11546	124896	1.64%	0.062%
66	6.440	6.424	6.463	VV	40432	450031	5.93%	0.223%
67	6.480	6.463	6.497	VV	17682	217989	2.87%	0.108%
68	6.514	6.497	6.529	VV	11080	168787	2.22%	0.084%
69	6.556	6.529	6.587	VV	50746	722596	9.52%	0.359%
70	6.595	6.587	6.620	VV	10081	166136	2.19%	0.082%
71	6.636	6.620	6.652	VV	11564	164726	2.17%	0.082%
72	6.685	6.652	6.701	VV	27021	518172	6.82%	0.257%
73	6.718	6.701	6.749	VV	33581	667781	8.79%	0.332%
74	6.775	6.749	6.813	VV	717395	7217647	95.05%	3.584%
75	6.828	6.813	6.845	VV	18035	226904	2.99%	0.113%
76	6.869	6.845	6.887	VV	40685	600661	7.91%	0.298%
77	6.907	6.887	6.943	VV	145272	1799927	23.70%	0.894%
78	6.951	6.943	6.958	VV	10394	94384	1.24%	0.047%
79	6.960	6.958	6.973	VV	10440	85339	1.12%	0.042%
80	6.985	6.973	7.000	VV	9861	133106	1.75%	0.066%
81	7.017	7.000	7.036	VV	9239	166611	2.19%	0.083%
82	7.059	7.036	7.071	VV	24705	331162	4.36%	0.164%
83	7.088	7.071	7.108	VV	26872	426758	5.62%	0.212%
84	7.137	7.108	7.147	VV	17690	316701	4.17%	0.157%
85	7.157	7.147	7.198	VV	16716	359272	4.73%	0.178%
86	7.212	7.198	7.236	VV	9442	184847	2.43%	0.092%
87	7.256	7.236	7.285	VV	29308	496982	6.54%	0.247%
88	7.305	7.285	7.330	VV	20645	315286	4.15%	0.157%
89	7.348	7.330	7.363	VV	10625	160104	2.11%	0.079%

90	7.388	7.363	7.433	VV	764529	7593430	100.00%	3.770%
91	7.445	7.433	7.470	VV	13333	223319	2.94%	0.111%
92	7.484	7.470	7.491	VV	9465	107495	1.42%	0.053%
93	7.507	7.491	7.526	VV	15811	249331	3.28%	0.124%
94	7.543	7.526	7.557	VV	17631	242506	3.19%	0.120%
95	7.569	7.557	7.590	VV	14752	234901	3.09%	0.117%
96	7.607	7.590	7.623	VV	14073	231817	3.05%	0.115%
97	7.652	7.623	7.687	VV	45804	874628	11.52%	0.434%
98	7.701	7.687	7.727	VV	22756	360216	4.74%	0.179%
99	7.746	7.727	7.755	VV	67326	677000	8.92%	0.336%
100	7.762	7.755	7.806	VV	59719	968308	12.75%	0.481%
101	7.818	7.806	7.837	VV	9716	162768	2.14%	0.081%
102	7.862	7.837	7.878	VV	118472	1311332	17.27%	0.651%
103	7.890	7.878	7.913	VV	74803	879309	11.58%	0.437%
104	7.927	7.913	7.935	VV	18712	219256	2.89%	0.109%
105	7.954	7.935	7.993	VV	94063	1268200	16.70%	0.630%
106	8.041	7.993	8.077	VV	663931	7192290	94.72%	3.571%
107	8.094	8.077	8.117	VV	18906	319632	4.21%	0.159%
108	8.135	8.117	8.148	VV	25615	322649	4.25%	0.160%
109	8.158	8.148	8.174	VV	17368	232259	3.06%	0.115%
110	8.183	8.174	8.205	VV	12912	204193	2.69%	0.101%
111	8.238	8.205	8.285	VV	434012	4545774	59.86%	2.257%
112	8.302	8.285	8.310	VV	15162	195550	2.58%	0.097%
113	8.337	8.310	8.382	VV	682105	7072610	93.14%	3.512%
114	8.402	8.382	8.430	VV	18595	412759	5.44%	0.205%
115	8.447	8.430	8.472	VV	20201	399412	5.26%	0.198%
116	8.487	8.472	8.520	VV	26469	486302	6.40%	0.241%
117	8.534	8.520	8.548	VV	13472	195984	2.58%	0.097%
118	8.553	8.548	8.561	VV	11174	82573	1.09%	0.041%
119	8.580	8.561	8.600	VV	37412	532596	7.01%	0.264%
120	8.614	8.600	8.638	VV	19133	318642	4.20%	0.158%
121	8.672	8.638	8.691	VV	63450	869254	11.45%	0.432%
122	8.706	8.691	8.731	VV	20370	399600	5.26%	0.198%
123	8.747	8.731	8.762	VV	37748	447760	5.90%	0.222%
124	8.788	8.762	8.835	VV	44503	832966	10.97%	0.414%
125	8.855	8.835	8.872	VV	9442	181884	2.40%	0.090%
126	8.901	8.872	8.920	VV	34863	500345	6.59%	0.248%
127	8.934	8.920	8.972	VV	27268	415241	5.47%	0.206%
128	8.982	8.972	8.996	VV	7989	104996	1.38%	0.052%
129	9.015	8.996	9.020	VV	15882	165102	2.17%	0.082%
130	9.035	9.020	9.057	VV	32683	445785	5.87%	0.221%
131	9.064	9.057	9.075	VV	8942	92185	1.21%	0.046%
132	9.115	9.075	9.169	VV	686652	7252615	95.51%	3.601%
133	9.195	9.169	9.215	VV	27077	452825	5.96%	0.225%
134	9.226	9.215	9.248	VV	13080	211757	2.79%	0.105%
135	9.270	9.248	9.287	VV	13042	230476	3.04%	0.114%
136	9.304	9.287	9.312	VV	16447	196677	2.59%	0.098%
137	9.326	9.312	9.348	VV	22590	332102	4.37%	0.165%
138	9.365	9.348	9.384	VV	10394	193392	2.55%	0.096%
139	9.402	9.384	9.426	VV	27725	401465	5.29%	0.199%
140	9.442	9.426	9.469	VV	13789	292501	3.85%	0.145%
141	9.473	9.469	9.479	VV	9513	59701	0.79%	0.030%

142	9.494	9.479	9.509	VV	12564	179126	2.36%	0.089%
143	9.543	9.509	9.584	VV	86876	1214852	16.00%	0.603%
144	9.592	9.584	9.598	VV	6422	55650	0.73%	0.028%
145	9.634	9.598	9.668	VV	8837	291791	3.84%	0.145%
146	9.703	9.668	9.753	VV	11527	331915	4.37%	0.165%
147	9.766	9.753	9.790	VV	4235	82730	1.09%	0.041%
148	9.806	9.790	9.832	VV	5225	111671	1.47%	0.055%
149	9.860	9.832	9.881	VV	12642	211349	2.78%	0.105%
150	9.930	9.881	9.946	VV	9373	271163	3.57%	0.135%
151	9.962	9.946	9.973	VV	12720	163173	2.15%	0.081%
152	9.989	9.973	10.013	VV	15674	272968	3.59%	0.136%
153	10.030	10.013	10.087	VV	13983	385192	5.07%	0.191%
154	10.108	10.087	10.120	VV	12366	182842	2.41%	0.091%
155	10.129	10.120	10.147	VV	11055	145004	1.91%	0.072%
156	10.164	10.147	10.185	VV	10639	187074	2.46%	0.093%
157	10.202	10.185	10.218	VV	9090	141474	1.86%	0.070%
158	10.241	10.218	10.258	VV	8927	171858	2.26%	0.085%
159	10.277	10.258	10.286	VV	12440	160252	2.11%	0.080%
160	10.299	10.286	10.335	VV	16491	394596	5.20%	0.196%
161	10.347	10.335	10.378	VV	10512	222107	2.92%	0.110%
162	10.384	10.378	10.393	VV	6390	55065	0.73%	0.027%
163	10.408	10.393	10.425	VV	7095	108816	1.43%	0.054%
164	10.470	10.425	10.476	VV	10239	173490	2.28%	0.086%
165	10.503	10.476	10.550	VV	668430	6982767	91.96%	3.467%
166	10.578	10.550	10.633	VV	626661	6856387	90.29%	3.404%
167	10.638	10.633	10.657	VV	6057	80118	1.06%	0.040%
168	10.684	10.657	10.693	VV	6017	122563	1.61%	0.061%
169	10.699	10.693	10.715	VV	5972	68599	0.90%	0.034%
170	10.725	10.715	10.755	VV	5231	108320	1.43%	0.054%
171	10.782	10.755	10.797	VV	5022	113351	1.49%	0.056%
172	10.817	10.797	10.840	VV	9176	169355	2.23%	0.084%
173	10.857	10.840	10.867	VV	6855	91156	1.20%	0.045%
174	10.877	10.867	10.888	VV	6566	80466	1.06%	0.040%
175	10.907	10.888	10.946	VV	8490	208513	2.75%	0.104%
176	10.975	10.946	11.012	VV	76296	997595	13.14%	0.495%
177	11.030	11.012	11.047	VV	7348	123676	1.63%	0.061%
178	11.061	11.047	11.082	VV	6166	110862	1.46%	0.055%
179	11.102	11.082	11.137	VV	5272	143243	1.89%	0.071%
180	11.164	11.137	11.188	VV	8516	172731	2.27%	0.086%
181	11.200	11.188	11.224	VV	4366	76987	1.01%	0.038%
182	11.273	11.224	11.298	VV	379454	4215552	55.52%	2.093%
183	11.307	11.298	11.324	VV	11193	135042	1.78%	0.067%
184	11.338	11.324	11.382	VV	11069	205640	2.71%	0.102%
185	11.416	11.382	11.430	VV	5354	123970	1.63%	0.062%
186	11.452	11.430	11.469	VV	8870	153655	2.02%	0.076%
187	11.487	11.469	11.536	VV	7888	198077	2.61%	0.098%
188	11.559	11.536	11.576	VV	3869	76706	1.01%	0.038%
189	11.608	11.576	11.633	VV	5942	167558	2.21%	0.083%
190	11.645	11.633	11.672	VV	5790	107846	1.42%	0.054%
191	11.695	11.672	11.719	VV	9947	171323	2.26%	0.085%
192	11.726	11.719	11.741	VV	3787	48205	0.63%	0.024%
193	11.750	11.741	11.774	VV	3739	65723	0.87%	0.033%
194	11.804	11.774	11.822	VV	4663	106612	1.40%	0.053%

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195	11.848	11.822	11.868	VV	5621	128277	1.69%	0.064%
196	11.889	11.868	11.942	VV	32755	506607	6.67%	0.252%
197	11.957	11.942	11.966	VV	3995	53157	0.70%	0.026%
198	11.978	11.966	12.014	VV	4204	101316	1.33%	0.050%
199	12.048	12.014	12.073	VV	5328	128834	1.70%	0.064%
200	12.092	12.073	12.128	VV	9734	200078	2.63%	0.099%
201	12.143	12.128	12.159	VV	5620	80695	1.06%	0.040%
202	12.195	12.159	12.213	VV	11289	204080	2.69%	0.101%
203	12.236	12.213	12.251	VV	8294	147739	1.95%	0.073%
204	12.277	12.251	12.285	VV	70292	755403	9.95%	0.375%
205	12.308	12.285	12.396	VV	623506	7017049	92.41%	3.484%
206	12.416	12.396	12.425	VV	2860	43872	0.58%	0.022%
207	12.438	12.425	12.471	VV	3484	66716	0.88%	0.033%
208	12.493	12.471	12.525	VV	7591	118542	1.56%	0.059%
209	12.553	12.525	12.565	VV	2590	50515	0.67%	0.025%
210	12.602	12.565	12.647	VV	659486	7422716	97.75%	3.686%
211	12.664	12.647	12.688	VV	7260	127727	1.68%	0.063%
212	12.714	12.688	12.743	VV	65288	795528	10.48%	0.395%
213	12.764	12.743	12.856	VV	3465	156917	2.07%	0.078%
214	12.884	12.856	12.921	VV	64063	825984	10.88%	0.410%
215	12.942	12.921	12.985	VV	9193	157588	2.08%	0.078%
216	13.006	12.985	13.023	VV	3328	51463	0.68%	0.026%
217	13.040	13.023	13.068	VV	2709	57153	0.75%	0.028%
218	13.082	13.068	13.090	VV	1982	24027	0.32%	0.012%
219	13.113	13.090	13.182	VV	16569	295143	3.89%	0.147%
220	13.199	13.182	13.205	VV	2496	31278	0.41%	0.016%
221	13.209	13.205	13.230	VV	2539	30288	0.40%	0.015%
222	13.236	13.230	13.260	VV	1792	23043	0.30%	0.011%
223	13.265	13.260	13.275	VV	928	7344	0.10%	0.004%
224	13.280	13.275	13.285	VV	746	4090	0.05%	0.002%
225	13.313	13.285	13.329	VV	1880	36256	0.48%	0.018%
226	13.346	13.329	13.363	VV	4029	55511	0.73%	0.028%
227	13.374	13.363	13.396	VV	2303	36938	0.49%	0.018%
228	13.414	13.396	13.438	VV	2355	40862	0.54%	0.020%
229	13.466	13.438	13.497	VV	65054	800081	10.54%	0.397%
230	13.513	13.497	13.538	VV	2653	40570	0.53%	0.020%
231	13.562	13.538	13.582	VV	828	18110	0.24%	0.009%
232	13.594	13.582	13.630	VV	803	13419	0.18%	0.007%
233	13.653	13.630	13.665	PV	974	10505	0.14%	0.005%
234	13.671	13.665	13.674	VV	624	3273	0.04%	0.002%
235	13.677	13.674	13.693	VV	626	5035	0.07%	0.002%
236	13.701	13.693	13.708	VV	566	3843	0.05%	0.002%
237	13.723	13.708	13.735	VV	514	7126	0.09%	0.004%
238	13.746	13.735	13.751	VV	626	5057	0.07%	0.003%
239	13.760	13.751	13.781	VV	684	10386	0.14%	0.005%
240	13.811	13.781	13.833	VV	1606	28771	0.38%	0.014%
241	13.881	13.833	13.923	VV	4245	98769	1.30%	0.049%
242	13.929	13.923	13.966	VV	1444	22627	0.30%	0.011%
243	13.975	13.966	13.987	VV	559	4608	0.06%	0.002%
244	14.033	13.987	14.077	VV	1701	47634	0.63%	0.024%
245	14.082	14.077	14.100	VV	286	3311	0.04%	0.002%
246	14.131	14.100	14.148	VV	2387	37368	0.49%	0.019%

247	14.169	14.148	14.191	VV	2340	36258	0.48%	0.018%
248	14.202	14.191	14.235	VV	1443	20463	0.27%	0.010%
249	14.242	14.235	14.247	VV	366	2038	0.03%	0.001%
250	14.253	14.247	14.260	VV	426	2870	0.04%	0.001%
251	14.285	14.260	14.306	VV	1456	23603	0.31%	0.012%
252	14.326	14.306	14.350	VV	1465	24239	0.32%	0.012%
253	14.363	14.350	14.387	VV	775	10661	0.14%	0.005%
254	14.469	14.387	14.488	PV	505878	6228259	82.02%	3.092%
255	14.512	14.488	14.540	VV	575348	6430967	84.69%	3.193%
256	14.564	14.540	14.598	VV	61862	815652	10.74%	0.405%
257	14.607	14.598	14.650	VV	2129	56259	0.74%	0.028%
258	14.662	14.650	14.667	VV	1472	13841	0.18%	0.007%
259	14.673	14.667	14.708	VV	1379	28274	0.37%	0.014%
260	14.716	14.708	14.720	VV	999	6071	0.08%	0.003%
261	14.726	14.720	14.744	VV	966	12159	0.16%	0.006%
262	14.759	14.744	14.769	VV	1109	12595	0.17%	0.006%
263	14.790	14.769	14.827	VV	1466	28196	0.37%	0.014%
264	14.834	14.827	14.850	VV	378	3630	0.05%	0.002%
265	14.858	14.850	14.878	VV	437	4496	0.06%	0.002%
266	14.902	14.878	14.917	VV	2468	32757	0.43%	0.016%
267	14.940	14.917	14.987	VV	11027	205301	2.70%	0.102%
268	14.989	14.987	15.016	VV	1763	19515	0.26%	0.010%
269	15.021	15.016	15.037	VV	679	6837	0.09%	0.003%
270	15.091	15.037	15.125	VV	2014	52379	0.69%	0.026%
271	15.129	15.125	15.140	VV	536	3737	0.05%	0.002%
272	15.164	15.140	15.188	VV	1510	26941	0.35%	0.013%
273	15.202	15.188	15.229	VV	758	14460	0.19%	0.007%
274	15.235	15.229	15.243	VV	426	3737	0.05%	0.002%
275	15.268	15.243	15.295	VV	1033	23092	0.30%	0.011%
276	15.301	15.295	15.306	VV	835	4613	0.06%	0.002%
277	15.322	15.306	15.345	VV	1115	18562	0.24%	0.009%
278	15.378	15.345	15.393	VV	1174	21616	0.28%	0.011%
279	15.413	15.393	15.439	VV	1011	20894	0.28%	0.010%
280	15.442	15.439	15.450	VV	704	4175	0.05%	0.002%
281	15.466	15.450	15.491	VV	971	16004	0.21%	0.008%
282	15.504	15.491	15.510	VV	645	5967	0.08%	0.003%
283	15.513	15.510	15.522	VV	591	3766	0.05%	0.002%
284	15.541	15.522	15.550	VV	1426	17720	0.23%	0.009%
285	15.580	15.550	15.612	VV	53631	695695	9.16%	0.345%
286	15.619	15.612	15.633	VV	750	8312	0.11%	0.004%
287	15.638	15.633	15.649	VV	762	5717	0.08%	0.003%
288	15.654	15.649	15.663	VV	430	3176	0.04%	0.002%
289	15.667	15.663	15.700	VV	389	3621	0.05%	0.002%
290	15.710	15.700	15.715	PV	383	1459	0.02%	0.001%
291	15.742	15.715	15.750	VV	1169	15994	0.21%	0.008%
292	15.754	15.750	15.776	VV	1204	12704	0.17%	0.006%
293	15.792	15.776	15.817	VV	964	15001	0.20%	0.007%
294	15.845	15.817	15.867	VV	842	19309	0.25%	0.010%
295	15.873	15.867	15.878	VV	546	3094	0.04%	0.002%
296	15.891	15.878	15.903	VV	835	9863	0.13%	0.005%
297	15.909	15.903	15.917	VV	824	6061	0.08%	0.003%
298	15.946	15.917	15.976	VV	1921	43236	0.57%	0.021%
299	16.017	15.976	16.031	VV	462317	6219245	81.90%	3.088%

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300	16.050	16.031	16.118	VV	526855	6372469	83.92%	3.164%
301	16.131	16.118	16.182	VV	3290	96246	1.27%	0.048%
302	16.202	16.182	16.218	VV	1977	37031	0.49%	0.018%
303	16.223	16.218	16.235	VV	1672	15623	0.21%	0.008%
304	16.244	16.235	16.253	VV	1677	16573	0.22%	0.008%
305	16.274	16.253	16.293	VV	3495	55544	0.73%	0.028%
306	16.310	16.293	16.318	VV	2333	28784	0.38%	0.014%
307	16.336	16.318	16.352	VV	3257	47056	0.62%	0.023%
308	16.392	16.352	16.470	VV	462183	6070591	79.95%	3.014%
309	16.522	16.470	16.550	VV	53381	827013	10.89%	0.411%
310	16.565	16.550	16.587	VV	4049	63513	0.84%	0.032%
311	16.595	16.587	16.617	VV	2149	33886	0.45%	0.017%
312	16.624	16.617	16.648	VV	1966	30992	0.41%	0.015%
313	16.659	16.648	16.679	VV	1639	28931	0.38%	0.014%
314	16.690	16.679	16.709	VV	1716	27492	0.36%	0.014%
315	16.726	16.709	16.742	VV	2150	36405	0.48%	0.018%
316	16.747	16.742	16.760	VV	1634	16326	0.22%	0.008%
317	16.807	16.760	16.828	VV	2220	77546	1.02%	0.039%
318	16.831	16.828	16.843	VV	2124	18821	0.25%	0.009%
319	16.851	16.843	16.870	VV	1970	26901	0.35%	0.013%
320	16.906	16.870	16.949	VV	2730	104110	1.37%	0.052%
321	16.969	16.949	16.992	VV	3211	64648	0.85%	0.032%
322	16.996	16.992	17.007	VV	1875	16249	0.21%	0.008%
323	17.011	17.007	17.030	VV	2123	26134	0.34%	0.013%
324	17.043	17.030	17.048	VV	1969	20082	0.26%	0.010%
325	17.052	17.048	17.056	VV	2079	9258	0.12%	0.005%
326	17.067	17.056	17.100	VV	2197	53427	0.70%	0.027%
327	17.115	17.100	17.140	VV	2384	47772	0.63%	0.024%
328	17.153	17.140	17.160	VV	1837	21464	0.28%	0.011%
329	17.164	17.160	17.171	VV	1828	12173	0.16%	0.006%
330	17.183	17.171	17.188	VV	2086	20313	0.27%	0.010%
331	17.203	17.188	17.217	VV	2223	35111	0.46%	0.017%
332	17.223	17.217	17.230	VV	2051	14616	0.19%	0.007%
333	17.236	17.230	17.238	VV	1873	8976	0.12%	0.004%
334	17.264	17.238	17.283	VV	2436	58956	0.78%	0.029%
335	17.300	17.283	17.327	VV	2578	59130	0.78%	0.029%
336	17.340	17.327	17.347	VV	2201	23944	0.32%	0.012%
337	17.405	17.347	17.440	VV	51074	780685	10.28%	0.388%
338	17.444	17.440	17.473	VV	2337	44978	0.59%	0.022%
339	17.495	17.473	17.532	VV	3701	100552	1.32%	0.050%
340	17.554	17.532	17.587	VV	2859	82908	1.09%	0.041%
341	17.608	17.587	17.634	VV	2891	65408	0.86%	0.032%
342	17.661	17.634	17.680	VV	2448	61271	0.81%	0.030%
343	17.701	17.680	17.715	VV	2743	51463	0.68%	0.026%
344	17.758	17.715	17.772	VV	435032	5942501	78.26%	2.951%
345	17.794	17.772	17.922	VV	432659	6171879	81.28%	3.064%
346	17.926	17.922	17.968	VV	5375	136746	1.80%	0.068%
347	18.009	17.968	18.130	VV	407222	5982523	78.79%	2.970%
348	18.137	18.130	18.144	VV	4126	32846	0.43%	0.016%
349	18.160	18.144	18.185	VV	4404	101941	1.34%	0.051%
350	18.194	18.185	18.200	VBA	4407	41974	0.55%	0.021%

Sum of corrected areas: 201401713

Aromatic EPH 090624.M Fri Sep 20 07:54:36 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:	WC-23MSD			SDG No.:	P4103
Lab Sample ID:	P4103-16MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86
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
FD048340.D	1	09/19/24	09/20/24	PB163524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.3		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	20.2		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	27.8		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.6		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.8		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.3		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.6		40 - 140	51%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4103-16MSD	Acq On:	20 Sep 2024 00:25
Client Sample ID:	WC-23MSD	Operator:	YP/AJ
Data file:	FD048340.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	4.108	5.827	23843202	133.483	200	ug/ml
Aromatic C12-C16	5.828	8.434	46414242	261.993	300	ug/ml
Aromatic C16-C21	8.435	12.696	58338105	359.909	500	ug/ml
Aromatic C21-C36	12.697	18.099	58458249	395.445	800	ug/ml
Aromatic EPH	4.108	18.099	187053798	1150		ug/ml
2-Bromonaphthalene (SURR)	7.388	7.388	7703234	50.79		ug/ml
2-Flurobiphenyl (SURR)	8.239	8.239	4615649	48.31		ug/ml
ortho-Terphenyl (SURR)	11.273	11.273	4398624	25.64		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048340.D
Signal(s) : FID2B.ch
Acq On : 20 Sep 2024 00:25
Operator : YP/AJ
Sample : P4103-16MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC-23MSD

Integration File: autoint1.e
Quant Time: Sep 20 05:21:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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...	7.388	7703234	50.792 ug/ml
	Spiked Amount 50.000		Recovery = 101.58%	
6)	S 2-Flurobiphenyl (SURR)	8.239	4615649	48.306 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 96.61%	
11)	S ortho-Terphenyl (SURR)	11.273	4398624	25.638 ug/ml
	Spiked Amount 50.000		Recovery = 51.28%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.208	5502793	31.193 ug/ml
2)	T Naphthalene (C11.7)	5.727	6861084	37.940 ug/ml
3)	T 2-Methylnaphthalene (...	6.775	7317962	40.903 ug/ml
5)	T Acenaphthylene (C15.06)	8.041	7308014	41.828 ug/ml
7)	T Acenaphthene (C15.5)	8.337	7148845	40.195 ug/ml
8)	T Flouorene (C16.55)	9.115	7339505	43.831 ug/ml
9)	T Phenanthrene (C19.36)	10.503	7249315	44.902 ug/ml
10)	T Anthracene (C19.43)	10.578	6959258	43.733 ug/ml
12)	T Fluoranthene (C21.85)	12.307	7858273	48.474 ug/ml
13)	T Pyrene (C20.8)	12.601	7509167	46.833 ug/ml
14)	T Benzo[a]anthracene (C...	14.469	6325779	45.159 ug/ml
15)	T Chrysene (C27.41)	14.512	6515643	39.557 ug/ml
16)	T benzo[b]fluoranthene ...	16.016	6329838	42.603 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.050	6356421	41.271 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.392	6066297	41.002 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.758	6136880	54.312 ug/ml
20)	T Dibenz[a,h]anthracene...	17.795	6114412	40.065 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.009	5814005	39.443 ug/ml

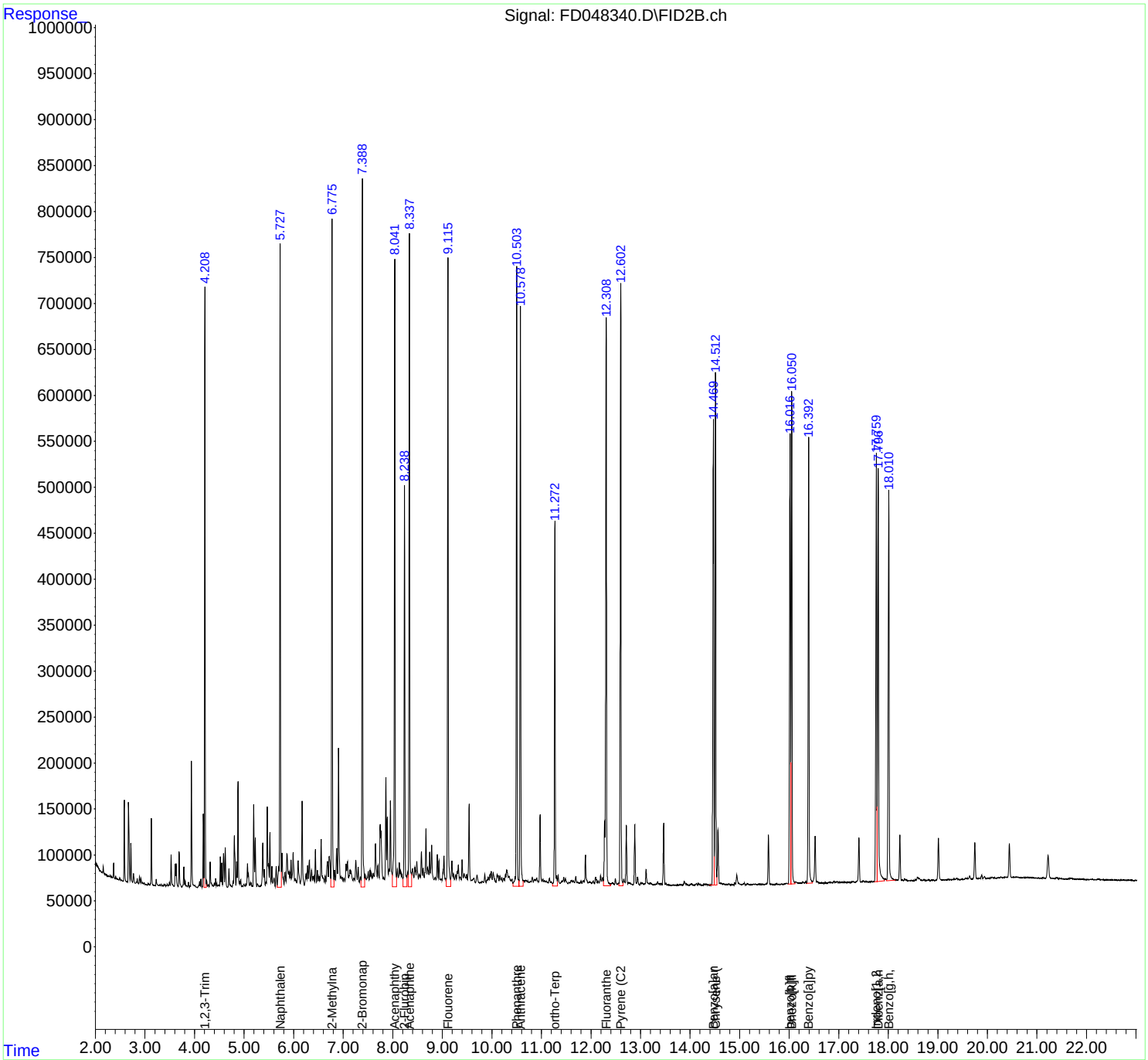
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
Data File : FD048340.D
Signal(s) : FID2B.ch
Acq On : 20 Sep 2024 00:25
Operator : YP/AJ
Sample : P4103-16MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC-23MSD

Integration File: autoint1.e
Quant Time: Sep 20 05:21:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Quant Title : GC Extractables
QLast Update : Fri Sep 06 11:53:01 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\FD091924AR\
Data File : FD048340.D
Signal(s) : FID2B.ch
Acq On : 20 Sep 2024 00:25
Sample : P4103-16MSD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.177	4.152	4.191	PV	73278	574918	7.46%	0.282%
2	4.208	4.191	4.235	PV	645827	5312287	68.98%	2.608%
3	4.246	4.235	4.264	PV	4860	37676	0.49%	0.018%
4	4.278	4.264	4.297	PV	2236	22065	0.29%	0.011%
5	4.315	4.297	4.357	PV	27069	296337	3.85%	0.145%
6	4.363	4.357	4.382	VV	1662	18772	0.24%	0.009%
7	4.399	4.382	4.413	VV	4142	45429	0.59%	0.022%
8	4.427	4.413	4.441	VV	9265	84084	1.09%	0.041%
9	4.450	4.441	4.465	VV	3338	32718	0.42%	0.016%
10	4.479	4.465	4.489	VV	2163	24156	0.31%	0.012%
11	4.497	4.489	4.504	VV	2385	18460	0.24%	0.009%
12	4.521	4.504	4.535	VV	33147	291251	3.78%	0.143%
13	4.548	4.535	4.565	VV	26569	249863	3.24%	0.123%
14	4.586	4.565	4.605	VV	36998	472756	6.14%	0.232%
15	4.620	4.605	4.663	VV	43495	491299	6.38%	0.241%
16	4.694	4.663	4.713	PV	20573	203151	2.64%	0.100%
17	4.721	4.713	4.738	VV	3173	34944	0.45%	0.017%
18	4.747	4.738	4.758	VV	1491	13714	0.18%	0.007%
19	4.778	4.758	4.786	VV	6764	62166	0.81%	0.031%
20	4.803	4.786	4.835	VV	56343	775898	10.07%	0.381%
21	4.851	4.835	4.862	VV	28386	260419	3.38%	0.128%
22	4.877	4.862	4.900	VV	115306	1089275	14.14%	0.535%
23	4.909	4.900	4.920	VV	6856	66713	0.87%	0.033%
24	4.932	4.920	4.950	VV	8716	88928	1.15%	0.044%
25	4.965	4.950	4.977	VV	1805	21484	0.28%	0.011%
26	4.996	4.977	5.011	VV	3961	51712	0.67%	0.025%
27	5.035	5.011	5.045	VV	3323	48237	0.63%	0.024%
28	5.069	5.045	5.081	VV	26038	293903	3.82%	0.144%
29	5.088	5.081	5.111	VV	14579	144187	1.87%	0.071%
30	5.129	5.111	5.138	VV	5337	59775	0.78%	0.029%
31	5.146	5.138	5.162	VV	4772	43820	0.57%	0.022%
32	5.167	5.162	5.174	VV	1400	8954	0.12%	0.004%
33	5.194	5.174	5.213	VV	90275	918763	11.93%	0.451%
34	5.226	5.213	5.256	VV	53854	578142	7.51%	0.284%
35	5.271	5.256	5.304	VV	3789	64895	0.84%	0.032%
36	5.318	5.304	5.329	VV	1693	19054	0.25%	0.009%

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37	5.377	5.329	5.398	VV	48621	631816	8.20%	0.310%
38	5.409	5.398	5.426	VV	19805	196508	2.55%	0.096%
39	5.443	5.426	5.450	VV	6097	68955	0.90%	0.034%
40	5.468	5.450	5.486	VV	87321	892520	11.59%	0.438%
41	5.493	5.486	5.507	VV	26449	263856	3.43%	0.130%
42	5.521	5.507	5.543	VV	59748	591626	7.68%	0.290%
43	5.562	5.543	5.579	VV	22903	257253	3.34%	0.126%
44	5.604	5.579	5.627	VV	9962	186860	2.43%	0.092%
45	5.648	5.627	5.668	VV	22777	266999	3.47%	0.131%
46	5.701	5.668	5.709	VV	22537	339747	4.41%	0.167%
47	5.727	5.709	5.753	VV	699590	6524787	84.72%	3.204%
48	5.768	5.753	5.786	VV	37325	463493	6.02%	0.228%
49	5.790	5.786	5.807	VV	10593	96102	1.25%	0.047%
50	5.824	5.807	5.846	VV	16124	242475	3.15%	0.119%
51	5.866	5.846	5.895	VV	36594	666435	8.65%	0.327%
52	5.905	5.895	5.917	VV	17158	196191	2.55%	0.096%
53	5.926	5.917	5.935	VV	14762	138336	1.80%	0.068%
54	5.948	5.935	5.963	VV	29687	323195	4.20%	0.159%
55	5.990	5.963	6.019	VV	38237	662906	8.61%	0.325%
56	6.030	6.019	6.042	VV	9427	114198	1.48%	0.056%
57	6.047	6.042	6.064	VV	7500	81939	1.06%	0.040%
58	6.090	6.064	6.134	VV	29048	569088	7.39%	0.279%
59	6.172	6.134	6.217	VV	93712	1181863	15.35%	0.580%
60	6.251	6.217	6.265	VV	14798	269047	3.49%	0.132%
61	6.283	6.265	6.298	VV	23704	323773	4.20%	0.159%
62	6.318	6.298	6.341	VV	29719	452384	5.87%	0.222%
63	6.363	6.341	6.379	VV	18524	283285	3.68%	0.139%
64	6.390	6.379	6.400	VV	11965	129659	1.68%	0.064%
65	6.410	6.400	6.423	VV	11893	134752	1.75%	0.066%
66	6.439	6.423	6.462	VV	41117	464168	6.03%	0.228%
67	6.480	6.462	6.496	VV	18291	230083	2.99%	0.113%
68	6.513	6.496	6.528	VV	11853	182676	2.37%	0.090%
69	6.555	6.528	6.588	VV	52217	755943	9.82%	0.371%
70	6.595	6.588	6.620	VV	10413	165332	2.15%	0.081%
71	6.636	6.620	6.652	VV	12248	175337	2.28%	0.086%
72	6.684	6.652	6.701	VV	27908	537401	6.98%	0.264%
73	6.717	6.701	6.749	VV	33551	687314	8.92%	0.337%
74	6.775	6.749	6.813	VV	727589	7319655	95.04%	3.594%
75	6.827	6.813	6.844	VV	18557	234405	3.04%	0.115%
76	6.869	6.844	6.887	VV	42307	618236	8.03%	0.304%
77	6.907	6.887	6.942	VV	151094	1833745	23.81%	0.900%
78	6.953	6.942	6.974	VV	11181	196503	2.55%	0.096%
79	6.983	6.974	6.999	VV	10572	136431	1.77%	0.067%
80	7.015	6.999	7.034	VV	9820	172382	2.24%	0.085%
81	7.059	7.034	7.071	VV	25145	349942	4.54%	0.172%
82	7.087	7.071	7.108	VV	27629	442987	5.75%	0.218%
83	7.136	7.108	7.147	VV	18713	335989	4.36%	0.165%
84	7.156	7.147	7.198	VV	17304	372395	4.84%	0.183%
85	7.212	7.198	7.235	VV	10026	193901	2.52%	0.095%
86	7.255	7.235	7.284	VV	29191	510239	6.63%	0.251%
87	7.304	7.284	7.330	VV	21739	339145	4.40%	0.167%
88	7.348	7.330	7.362	VV	11057	166946	2.17%	0.082%
89	7.388	7.362	7.433	VV	770280	7701629	100.00%	3.781%

90	7.445	7.433	7.471	VV	13721	241247	3.13%	0.118%
91	7.484	7.471	7.490	VV	10174	106591	1.38%	0.052%
92	7.506	7.490	7.525	VV	16678	260627	3.38%	0.128%
93	7.543	7.525	7.557	VV	18478	256333	3.33%	0.126%
94	7.570	7.557	7.590	VV	15122	249404	3.24%	0.122%
95	7.606	7.590	7.626	VV	14655	261263	3.39%	0.128%
96	7.652	7.626	7.687	VV	47131	876060	11.37%	0.430%
97	7.701	7.687	7.727	VV	23418	377065	4.90%	0.185%
98	7.746	7.727	7.754	VV	68089	691297	8.98%	0.339%
99	7.762	7.754	7.804	VV	61207	983845	12.77%	0.483%
100	7.819	7.804	7.836	VV	10294	178122	2.31%	0.087%
101	7.862	7.836	7.877	VV	118945	1336514	17.35%	0.656%
102	7.890	7.877	7.912	VV	76139	899644	11.68%	0.442%
103	7.927	7.912	7.935	VV	19078	232645	3.02%	0.114%
104	7.954	7.935	7.992	VV	93799	1290466	16.76%	0.634%
105	8.041	7.992	8.076	VV	684658	7306867	94.87%	3.588%
106	8.094	8.076	8.114	VV	19440	319130	4.14%	0.157%
107	8.134	8.114	8.148	VV	26427	354264	4.60%	0.174%
108	8.159	8.148	8.173	VV	18082	236533	3.07%	0.116%
109	8.183	8.173	8.204	VV	13609	211167	2.74%	0.104%
110	8.239	8.204	8.285	VV	436096	4628094	60.09%	2.272%
111	8.302	8.285	8.311	VV	15853	203364	2.64%	0.100%
112	8.337	8.311	8.381	VV	711264	7154279	92.89%	3.513%
113	8.399	8.381	8.429	VV	19426	439309	5.70%	0.216%
114	8.447	8.429	8.472	VV	21191	421408	5.47%	0.207%
115	8.486	8.472	8.519	VV	27657	499449	6.48%	0.245%
116	8.534	8.519	8.547	VV	13878	204430	2.65%	0.100%
117	8.552	8.547	8.560	VV	11977	88569	1.15%	0.043%
118	8.579	8.560	8.599	VV	38104	548750	7.13%	0.269%
119	8.614	8.599	8.637	VV	20204	337448	4.38%	0.166%
120	8.671	8.637	8.691	VV	63146	897429	11.65%	0.441%
121	8.704	8.691	8.730	VV	21221	417575	5.42%	0.205%
122	8.746	8.730	8.762	VV	37903	459659	5.97%	0.226%
123	8.787	8.762	8.832	VV	45329	852551	11.07%	0.419%
124	8.854	8.832	8.873	VV	9975	211626	2.75%	0.104%
125	8.901	8.873	8.919	VV	34924	510771	6.63%	0.251%
126	8.933	8.919	8.971	VV	28385	437204	5.68%	0.215%
127	8.983	8.971	8.995	VV	8534	109784	1.43%	0.054%
128	9.014	8.995	9.019	VV	16714	177967	2.31%	0.087%
129	9.034	9.019	9.055	VV	33299	450249	5.85%	0.221%
130	9.064	9.055	9.078	VV	8961	117710	1.53%	0.058%
131	9.115	9.078	9.168	VV	685010	7344499	95.36%	3.606%
132	9.195	9.168	9.214	VV	28114	466911	6.06%	0.229%
133	9.225	9.214	9.247	VV	14109	223955	2.91%	0.110%
134	9.269	9.247	9.285	VV	13265	239499	3.11%	0.118%
135	9.302	9.285	9.311	VV	16652	204521	2.66%	0.100%
136	9.324	9.311	9.345	VV	23706	337741	4.39%	0.166%
137	9.362	9.345	9.383	VV	10563	213348	2.77%	0.105%
138	9.400	9.383	9.425	VV	29247	417285	5.42%	0.205%
139	9.442	9.425	9.478	VV	14073	363658	4.72%	0.179%
140	9.492	9.478	9.508	VV	13258	192253	2.50%	0.094%
141	9.542	9.508	9.580	VV	89929	1234485	16.03%	0.606%

142	9.611	9.580	9.615	VV	7540	144992	1.88%	0.071%
143	9.634	9.615	9.667	VV	9183	231484	3.01%	0.114%
144	9.701	9.667	9.751	VV	12349	351392	4.56%	0.173%
145	9.762	9.751	9.784	VV	4520	80029	1.04%	0.039%
146	9.805	9.784	9.831	VV	6012	138853	1.80%	0.068%
147	9.858	9.831	9.881	VV	13412	228225	2.96%	0.112%
148	9.929	9.881	9.945	VV	9895	285494	3.71%	0.140%
149	9.962	9.945	9.972	VV	13038	170041	2.21%	0.083%
150	9.988	9.972	10.011	VV	16228	282118	3.66%	0.139%
151	10.028	10.011	10.082	VV	15072	398041	5.17%	0.195%
152	10.107	10.082	10.118	VV	13016	191838	2.49%	0.094%
153	10.127	10.118	10.146	VV	11585	164084	2.13%	0.081%
154	10.164	10.146	10.182	VV	11362	188650	2.45%	0.093%
155	10.201	10.182	10.217	VV	9626	160999	2.09%	0.079%
156	10.241	10.217	10.257	VV	9106	180864	2.35%	0.089%
157	10.275	10.257	10.285	VV	13305	168562	2.19%	0.083%
158	10.298	10.285	10.336	VV	17778	423093	5.49%	0.208%
159	10.349	10.336	10.376	VV	11034	222718	2.89%	0.109%
160	10.382	10.376	10.395	VV	6666	72144	0.94%	0.035%
161	10.407	10.395	10.427	VV	7846	113110	1.47%	0.056%
162	10.469	10.427	10.477	VV	10543	188302	2.44%	0.092%
163	10.503	10.477	10.550	VV	675230	7084943	91.99%	3.479%
164	10.578	10.550	10.631	VV	630715	6956744	90.33%	3.416%
165	10.640	10.631	10.656	VV	6530	91051	1.18%	0.045%
166	10.695	10.656	10.712	VV	6500	199208	2.59%	0.098%
167	10.726	10.712	10.750	VV	5739	109417	1.42%	0.054%
168	10.764	10.750	10.768	VV	4842	48182	0.63%	0.024%
169	10.783	10.768	10.795	VV	5284	80795	1.05%	0.040%
170	10.817	10.795	10.840	VV	9675	188327	2.45%	0.092%
171	10.856	10.840	10.865	VV	7575	94395	1.23%	0.046%
172	10.874	10.865	10.888	VV	7191	90706	1.18%	0.045%
173	10.905	10.888	10.928	VV	8920	169702	2.20%	0.083%
174	10.934	10.928	10.946	VV	5366	56909	0.74%	0.028%
175	10.975	10.946	11.012	VV	77775	1017566	13.21%	0.500%
176	11.029	11.012	11.047	VV	7745	132911	1.73%	0.065%
177	11.060	11.047	11.085	VV	6304	125344	1.63%	0.062%
178	11.100	11.085	11.119	VV	5702	100050	1.30%	0.049%
179	11.125	11.119	11.135	VV	4112	38153	0.50%	0.019%
180	11.163	11.135	11.184	VV	8637	176842	2.30%	0.087%
181	11.197	11.184	11.226	VV	4641	97800	1.27%	0.048%
182	11.273	11.226	11.297	VV	397098	4274516	55.50%	2.099%
183	11.306	11.297	11.322	VV	11563	135438	1.76%	0.066%
184	11.338	11.322	11.377	VV	11909	213163	2.77%	0.105%
185	11.416	11.377	11.432	VV	5869	151255	1.96%	0.074%
186	11.452	11.432	11.469	VV	9492	153623	1.99%	0.075%
187	11.485	11.469	11.535	VV	8336	210501	2.73%	0.103%
188	11.558	11.535	11.573	VV	4149	78626	1.02%	0.039%
189	11.609	11.573	11.630	VV	6333	172841	2.24%	0.085%
190	11.644	11.630	11.669	VV	6049	115920	1.51%	0.057%
191	11.695	11.669	11.717	VV	10098	182451	2.37%	0.090%
192	11.726	11.717	11.734	VV	3969	37547	0.49%	0.018%
193	11.743	11.734	11.774	VV	3747	83892	1.09%	0.041%
194	11.801	11.774	11.820	VV	4913	109511	1.42%	0.054%

195	11.847	11.820	11.866	VV	5853	136808	1.78%	0.067%
196	11.889	11.866	11.940	VV	33796	529498	6.88%	0.260%
197	11.957	11.940	11.967	VV	4153	60565	0.79%	0.030%
198	11.978	11.967	12.013	VV	4654	108039	1.40%	0.053%
199	12.046	12.013	12.071	VV	5413	135046	1.75%	0.066%
200	12.092	12.071	12.128	VV	9870	209985	2.73%	0.103%
201	12.143	12.128	12.160	VV	5908	88984	1.16%	0.044%
202	12.195	12.160	12.214	VV	11504	211597	2.75%	0.104%
203	12.236	12.214	12.250	VV	8988	154844	2.01%	0.076%
204	12.276	12.250	12.284	VV	70094	772938	10.04%	0.380%
205	12.308	12.284	12.397	VV	617562	7106844	92.28%	3.489%
206	12.414	12.397	12.425	VV	2972	44626	0.58%	0.022%
207	12.440	12.425	12.467	VV	3801	68072	0.88%	0.033%
208	12.492	12.467	12.526	VV	7517	133651	1.74%	0.066%
209	12.550	12.526	12.562	VV	2905	51589	0.67%	0.025%
210	12.602	12.562	12.647	VV	656341	7519121	97.63%	3.692%
211	12.664	12.647	12.690	VV	7506	136318	1.77%	0.067%
212	12.713	12.690	12.740	VV	65555	801403	10.41%	0.393%
213	12.764	12.740	12.852	VV	3531	163276	2.12%	0.080%
214	12.884	12.852	12.920	VV	66374	843311	10.95%	0.414%
215	12.941	12.920	12.984	VV	9522	162547	2.11%	0.080%
216	13.006	12.984	13.021	VV	3667	54373	0.71%	0.027%
217	13.042	13.021	13.069	VV	2872	67937	0.88%	0.033%
218	13.083	13.069	13.091	VV	2217	25891	0.34%	0.013%
219	13.113	13.091	13.182	VV	17687	310364	4.03%	0.152%
220	13.206	13.182	13.225	VV	2925	62493	0.81%	0.031%
221	13.234	13.225	13.259	VV	1883	28726	0.37%	0.014%
222	13.263	13.259	13.279	VV	1024	11213	0.15%	0.006%
223	13.311	13.279	13.325	VV	2056	40443	0.53%	0.020%
224	13.345	13.325	13.365	VV	4233	64463	0.84%	0.032%
225	13.376	13.365	13.395	VV	2370	36113	0.47%	0.018%
226	13.416	13.395	13.436	VV	2559	45664	0.59%	0.022%
227	13.466	13.436	13.499	VV	68384	821089	10.66%	0.403%
228	13.511	13.499	13.535	VV	2888	41584	0.54%	0.020%
229	13.557	13.535	13.564	VV	1042	16044	0.21%	0.008%
230	13.569	13.564	13.592	VV	1013	12294	0.16%	0.006%
231	13.603	13.592	13.628	VV	729	9122	0.12%	0.004%
232	13.650	13.628	13.659	PV	1001	9071	0.12%	0.004%
233	13.675	13.659	13.695	VV	786	14108	0.18%	0.007%
234	13.702	13.695	13.718	VV	605	6406	0.08%	0.003%
235	13.741	13.718	13.749	VV	626	7988	0.10%	0.004%
236	13.763	13.749	13.776	VV	905	10736	0.14%	0.005%
237	13.811	13.776	13.847	VV	1521	37485	0.49%	0.018%
238	13.881	13.847	13.922	VV	4555	103524	1.34%	0.051%
239	13.925	13.922	13.984	VV	1514	30471	0.40%	0.015%
240	14.032	13.984	14.075	VV	1867	53146	0.69%	0.026%
241	14.081	14.075	14.100	VV	656	6633	0.09%	0.003%
242	14.127	14.100	14.149	VV	2182	39448	0.51%	0.019%
243	14.168	14.149	14.187	VV	2579	35766	0.46%	0.018%
244	14.201	14.187	14.230	VV	1443	21643	0.28%	0.011%
245	14.249	14.230	14.255	VV	450	5540	0.07%	0.003%
246	14.260	14.255	14.265	VV	371	1751	0.02%	0.001%

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247	14.286	14.265	14.310	VV	1682	26732	0.35%	0.013%
248	14.323	14.310	14.346	VV	1460	21909	0.28%	0.011%
249	14.363	14.346	14.390	VV	1113	16202	0.21%	0.008%
250	14.402	14.390	14.418	VV	520	7193	0.09%	0.004%
251	14.427	14.418	14.432	VV	610	4357	0.06%	0.002%
252	14.469	14.432	14.488	VV	507673	6327633	82.16%	3.107%
253	14.513	14.488	14.540	VV	558527	6528824	84.77%	3.206%
254	14.562	14.540	14.594	VV	60199	821103	10.66%	0.403%
255	14.603	14.594	14.670	VV	2416	81125	1.05%	0.040%
256	14.680	14.670	14.703	VV	1627	24760	0.32%	0.012%
257	14.724	14.703	14.729	VV	948	13251	0.17%	0.007%
258	14.733	14.729	14.735	VV	970	3822	0.05%	0.002%
259	14.739	14.735	14.744	VV	984	4458	0.06%	0.002%
260	14.751	14.744	14.765	VV	991	10916	0.14%	0.005%
261	14.785	14.765	14.821	VV	1439	28741	0.37%	0.014%
262	14.829	14.821	14.849	VV	581	5611	0.07%	0.003%
263	14.861	14.849	14.870	VV	436	3931	0.05%	0.002%
264	14.873	14.870	14.880	VV	389	1762	0.02%	0.001%
265	14.900	14.880	14.915	VV	2538	34223	0.44%	0.017%
266	14.941	14.915	14.984	VV	11037	206687	2.68%	0.101%
267	14.988	14.984	15.011	VV	2009	21932	0.28%	0.011%
268	15.016	15.011	15.039	VV	751	10949	0.14%	0.005%
269	15.094	15.039	15.121	VV	2044	50178	0.65%	0.025%
270	15.133	15.121	15.137	VV	372	3007	0.04%	0.001%
271	15.160	15.137	15.190	VV	1559	29546	0.38%	0.015%
272	15.201	15.190	15.229	VV	780	11805	0.15%	0.006%
273	15.240	15.229	15.248	VV	377	3777	0.05%	0.002%
274	15.267	15.248	15.273	VV	869	9951	0.13%	0.005%
275	15.285	15.273	15.302	VV	1047	14902	0.19%	0.007%
276	15.311	15.302	15.355	VV	1014	22403	0.29%	0.011%
277	15.375	15.355	15.392	VV	1052	17640	0.23%	0.009%
278	15.401	15.392	15.449	VV	961	22981	0.30%	0.011%
279	15.461	15.449	15.490	VV	879	16952	0.22%	0.008%
280	15.501	15.490	15.505	VV	769	5638	0.07%	0.003%
281	15.510	15.505	15.521	VV	762	5490	0.07%	0.003%
282	15.540	15.521	15.550	VV	1342	17972	0.23%	0.009%
283	15.579	15.550	15.614	VV	54513	701314	9.11%	0.344%
284	15.626	15.614	15.630	VV	766	5740	0.07%	0.003%
285	15.642	15.630	15.664	VV	839	12725	0.17%	0.006%
286	15.666	15.664	15.676	VV	489	2406	0.03%	0.001%
287	15.684	15.676	15.700	VV	331	2769	0.04%	0.001%
288	15.750	15.700	15.770	PV	1166	24101	0.31%	0.012%
289	15.795	15.770	15.811	VV	765	10717	0.14%	0.005%
290	15.817	15.811	15.821	VV	413	2063	0.03%	0.001%
291	15.842	15.821	15.875	VV	728	16240	0.21%	0.008%
292	15.898	15.875	15.912	VV	745	9825	0.13%	0.005%
293	15.953	15.912	15.977	VV	1462	38142	0.50%	0.019%
294	16.017	15.977	16.031	VV	490512	6315035	82.00%	3.101%
295	16.050	16.031	16.120	VV	535712	6418287	83.34%	3.151%
296	16.133	16.120	16.183	VV	2742	71689	0.93%	0.035%
297	16.198	16.183	16.210	VV	1363	20283	0.26%	0.010%
298	16.216	16.210	16.233	VV	1243	15533	0.20%	0.008%
299	16.237	16.233	16.251	VV	1102	10604	0.14%	0.005%

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300	16.272	16.251	16.300	VV	2765	51635	0.67%	0.025%
301	16.310	16.300	16.322	VV	1553	18433	0.24%	0.009%
302	16.335	16.322	16.350	VV	2911	33356	0.43%	0.016%
303	16.392	16.350	16.473	VV	484822	6132490	79.63%	3.011%
304	16.522	16.473	16.550	VV	51779	782939	10.17%	0.384%
305	16.565	16.550	16.585	VV	2700	41200	0.53%	0.020%
306	16.596	16.585	16.641	VV	1124	26713	0.35%	0.013%
307	16.647	16.641	16.657	VV	739	5955	0.08%	0.003%
308	16.663	16.657	16.670	VV	702	4711	0.06%	0.002%
309	16.677	16.670	16.685	VV	745	5085	0.07%	0.002%
310	16.690	16.685	16.701	VV	688	5063	0.07%	0.002%
311	16.726	16.701	16.760	VV	1028	22047	0.29%	0.011%
312	16.778	16.760	16.784	VV	875	8628	0.11%	0.004%
313	16.806	16.784	16.832	VV	1146	24637	0.32%	0.012%
314	16.844	16.832	16.870	VV	939	15691	0.20%	0.008%
315	16.903	16.870	16.920	VV	1821	35739	0.46%	0.018%
316	16.934	16.920	16.950	VV	1127	16727	0.22%	0.008%
317	16.969	16.950	16.989	VV	1981	29100	0.38%	0.014%
318	17.006	16.989	17.025	VV	839	12614	0.16%	0.006%
319	17.066	17.025	17.084	VV	780	22573	0.29%	0.011%
320	17.089	17.084	17.096	VV	653	4255	0.06%	0.002%
321	17.114	17.096	17.141	VV	921	16433	0.21%	0.008%
322	17.145	17.141	17.152	VV	399	1997	0.03%	0.001%
323	17.155	17.152	17.162	VV	257	1639	0.02%	0.001%
324	17.178	17.162	17.190	VV	663	6077	0.08%	0.003%
325	17.203	17.190	17.210	VV	672	6042	0.08%	0.003%
326	17.214	17.210	17.239	VV	657	6149	0.08%	0.003%
327	17.269	17.239	17.287	VV	808	17050	0.22%	0.008%
328	17.293	17.287	17.324	VV	1029	14451	0.19%	0.007%
329	17.335	17.324	17.341	VV	518	4264	0.06%	0.002%
330	17.406	17.341	17.438	VV	48761	691857	8.98%	0.340%
331	17.446	17.438	17.457	VV	583	5714	0.07%	0.003%
332	17.461	17.457	17.465	VV	517	2219	0.03%	0.001%
333	17.493	17.465	17.520	VV	1920	35539	0.46%	0.017%
334	17.545	17.520	17.590	VV	871	20626	0.27%	0.010%
335	17.613	17.590	17.635	VV	624	8753	0.11%	0.004%
336	17.647	17.635	17.654	PV	570	3956	0.05%	0.002%
337	17.659	17.654	17.682	VV	521	5740	0.07%	0.003%
338	17.700	17.682	17.717	VV	701	8391	0.11%	0.004%
339	17.759	17.717	17.773	VV	466273	6104422	79.26%	2.997%
340	17.796	17.773	17.919	VV	447551	6170400	80.12%	3.030%
341	17.935	17.919	17.968	VV	2520	58565	0.76%	0.029%
342	18.010	17.968	18.149	VV	426361	5850472	75.96%	2.873%
343	18.154	18.149	18.187	VV	783	10014	0.13%	0.005%

Sum of corrected areas: 203668050

Aromatic EPH 090624.M Fri Sep 20 07:55:03 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:	WC-23MSD			SDG No.:	P4103
Lab Sample ID:	P4103-16MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86
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
09/19/24 12:25	09/20/24 0:25	PB163524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	24.0	E	1	0.44	1.16	mg/kg	FC067185.D
Aliphatic C12-C16	Aliphatic C12-C16	46.2	E	1	0.28	0.77	mg/kg	FC067185.D
Aliphatic C16-C21	Aliphatic C16-C21	19.1		1	0.35	1.16	mg/kg	FC067185.D
Aliphatic C21-C28	Aliphatic C21-C28	13.2		1	0.93	1.55	mg/kg	FC067185.D
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	2.09	2.32	mg/kg	FC067185.D
Aromatic C10-C12	Aromatic C10-C12	10.3		1	0.35	0.77	mg/kg	FD048340.D
Aromatic C12-C16	Aromatic C12-C16	20.2		1	0.39	1.16	mg/kg	FD048340.D
Aromatic C16-C21	Aromatic C16-C21	27.8		1	1.11	1.93	mg/kg	FD048340.D
Aromatic C21-C36	Aromatic C21-C36	30.6		1	2.32	3.09	mg/kg	FD048340.D
Total AliphaticEPH	Total AliphaticEPH	129			4.08	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	88.9			4.17	6.95	mg/kg	
Total EPH	Total EPH	218			8.26	13.9	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	WC-23MSD		SDG No.:	P4103	
Lab Sample ID:	P4103-16MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
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
FC067185.D	1	09/19/24	09/20/24	PB163524

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		24.0	E	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		46.2	E	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		19.1		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		13.2		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.5		2.09	2.32	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4103-16MSD	Acq On:	20 Sep 2024 00:25
Client Sample ID:	WC-23MSD	Operator:	YP/AJ
Data file:	FC067185.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.177	6.459	41423514	310.049	300	ug/ml
Aliphatic C12-C16	6.460	9.852	77095306	598.098	200	ug/ml
Aliphatic C16-C21	9.853	13.212	30034124	246.958	300	ug/ml
Aliphatic C21-C28	13.213	16.869	19065024	170.273	400	ug/ml
Aliphatic C28-C40	16.870	21.722	30213921	342.324	600	ug/ml
Aliphatic EPH	3.177	21.722	197831889	1670		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	3013065	30.84		ug/ml
Aliphatic C9-C28	3.177	16.869	167617968	1330	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067185.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 00:25
Operator : YP/AJ
Sample : P4103-16MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-23MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 03:53:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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...	12.943	3013065	30.844 ug/mlm
Spiked Amount	50.000		Recovery =	61.69%
	Target Compounds			
1) T	n-Nonane (C9)	3.278	3257808	24.560 ug/ml
2) T	n-Decane (C10)	4.343	3971958	29.574 ug/ml
4) T	n-Dodecane (C12)	6.361	5448176	40.702 ug/ml
6) T	n-Tetradecane (C14)	8.155	5710409	44.309 ug/ml
7) T	n-Hexadecane (C16)	9.754	4981519	38.639 ug/ml
8) T	n-Octadecane (C18)	11.194	4881649	38.155 ug/ml
10) T	n-Eicosane (C20)	12.503	4763462	39.658 ug/ml
11) T	n-Heneicosane (C21)	13.113	4533908	38.820 ug/mlm
13) T	n-Docosane (C22)	13.699	4461372	38.640 ug/ml
14) T	n-Tetracosane (C24)	14.801	4354906	38.348 ug/ml
15) T	n-Hexacosane (C26)	15.820	4271922	38.545 ug/ml
16) T	n-Octacosane (C28)	16.769	4183665	38.731 ug/ml
17) T	n-Tricontane (C30)	17.656	4202930	38.639 ug/ml
18) T	n-Dotriacontane (C32)	18.488	4158921	39.872 ug/ml
19) T	n-Tetratriacontane (C34)	19.270	4111123	44.561 ug/ml
20) T	n-Hexatriacontane (C36)	20.010	3889914	49.086 ug/ml
21) T	n-Octatriacontane (C38)	20.735	3768760	50.173 ug/ml
22) T	n-Tetracontane (C40)	21.625	3420894	48.965 ug/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091924AL\
Data File : FC067185.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 00:25
Operator : YP/AJ
Sample : P4103-16MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

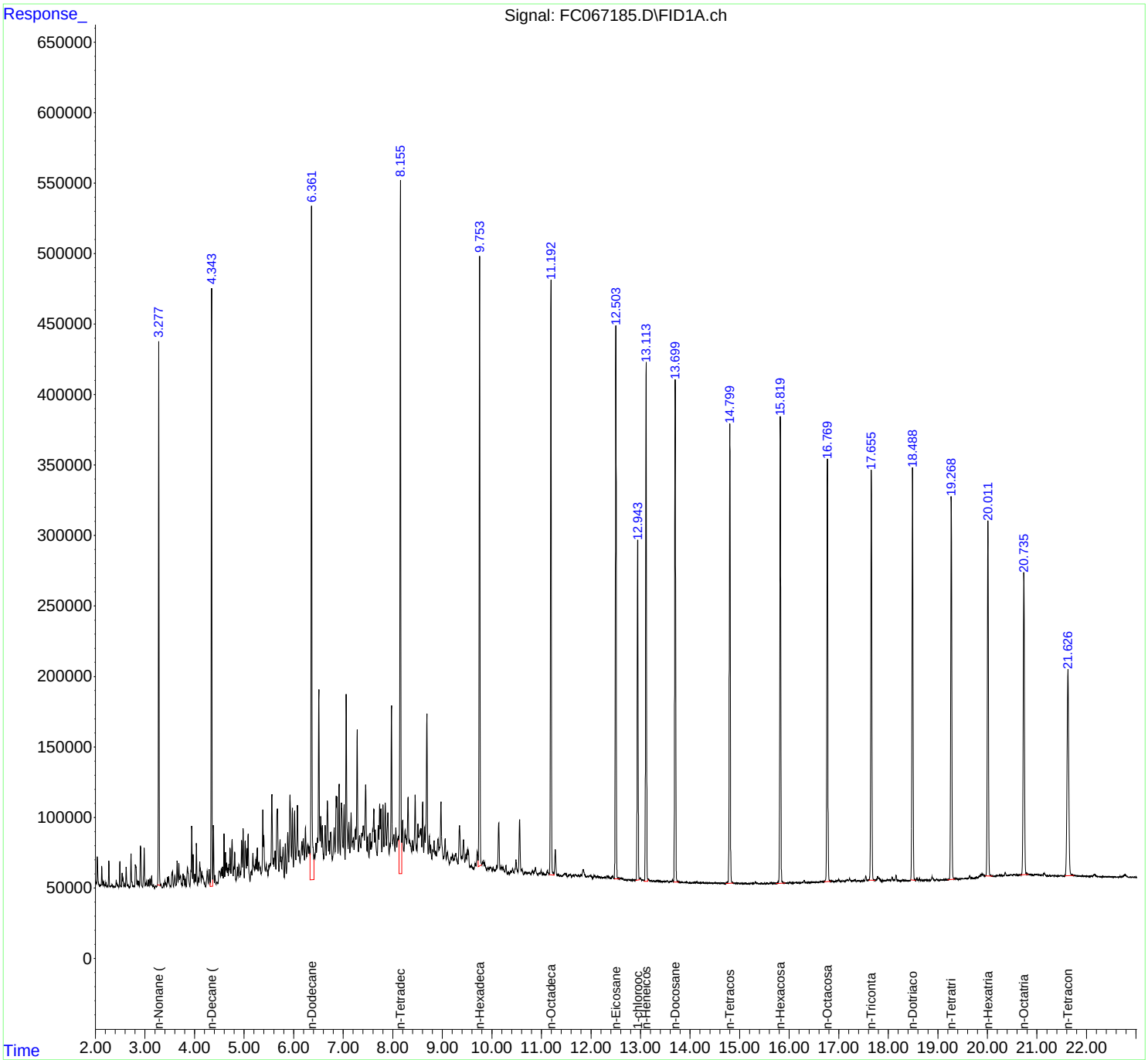
Instrument :
FID_C
ClientSampleId :
WC-23MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
Quant Time: Sep 20 03:53:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 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 :
WC-23MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC0919
Data File : FC067185.D
Signal(s) : FID1A.ch
Acq On : 20 Sep 2024 00:25
Sample : P4103-16MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.204	3.312	BV	385822	3316196	54.97%	1.650%
2	3.322	3.312	3.354	VV	1931	24284	0.40%	0.012%
3	3.376	3.354	3.387	PV	3005	26851	0.45%	0.013%
4	3.401	3.387	3.437	VV	4896	85036	1.41%	0.042%
5	3.455	3.437	3.465	VV	7445	70597	1.17%	0.035%
6	3.478	3.465	3.506	VV	8022	99968	1.66%	0.050%
7	3.554	3.506	3.576	VV	11694	207797	3.44%	0.103%
8	3.603	3.576	3.624	VV	8666	128624	2.13%	0.064%
9	3.649	3.624	3.668	VV	19067	214241	3.55%	0.107%
10	3.684	3.668	3.698	VV	17218	179435	2.97%	0.089%
11	3.718	3.698	3.752	VV	8400	168105	2.79%	0.084%
12	3.769	3.752	3.779	VV	9767	93168	1.54%	0.046%
13	3.787	3.779	3.802	VV	8521	77325	1.28%	0.038%
14	3.815	3.802	3.832	VV	6187	57894	0.96%	0.029%
15	3.858	3.832	3.906	VV	14370	308451	5.11%	0.153%
16	3.944	3.906	3.960	VV	43767	528071	8.75%	0.263%
17	3.972	3.960	3.990	VV	23355	232036	3.85%	0.115%
18	4.004	3.990	4.019	VV	9480	107861	1.79%	0.054%
19	4.038	4.019	4.060	VV	31172	310593	5.15%	0.154%
20	4.078	4.060	4.089	VV	6762	79518	1.32%	0.040%
21	4.106	4.089	4.134	VV	18381	289026	4.79%	0.144%
22	4.148	4.134	4.224	VV	11402	293372	4.86%	0.146%
23	4.257	4.224	4.278	VV	11553	186519	3.09%	0.093%
24	4.295	4.278	4.316	VV	12802	165037	2.74%	0.082%
25	4.343	4.316	4.366	VV	424456	3992645	66.18%	1.986%
26	4.382	4.366	4.400	VV	43706	416508	6.90%	0.207%
27	4.412	4.400	4.434	VV	8364	103070	1.71%	0.051%
28	4.459	4.434	4.471	VV	3635	69274	1.15%	0.034%
29	4.508	4.471	4.525	VV	11287	283081	4.69%	0.141%
30	4.541	4.525	4.553	VV	13563	177744	2.95%	0.088%
31	4.566	4.553	4.579	VV	14398	172451	2.86%	0.086%
32	4.596	4.579	4.611	VV	37926	385374	6.39%	0.192%
33	4.625	4.611	4.638	VV	24847	279621	4.63%	0.139%
34	4.649	4.638	4.681	VV	17227	339843	5.63%	0.169%
35	4.718	4.681	4.735	VV	27796	529334	8.77%	0.263%
36	4.757	4.735	4.780	VV	33931	552660	9.16%	0.275%

Instrument :
FID_C
ClientSampleId :
WC-23MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

rteres

37	4.811	4.780	4.841	VV	24872	463009	7.67%	0.230%
38	4.865	4.841	4.879	VV	14357	216097		
39	4.896	4.879	4.916	VV	16067	267773		
40	4.950	4.916	4.964	VV	32971	486785		
41	4.981	4.964	5.003	VV	41751	539281		
42	5.022	5.003	5.044	VV	32854	522869		
43	5.057	5.044	5.068	VV	27669	292787	4.85%	0.146%
44	5.081	5.068	5.120	VV	37674	545495	9.04%	0.271%
45	5.146	5.120	5.159	VV	11316	208784	3.46%	0.104%
46	5.178	5.159	5.208	VV	23836	466748	7.74%	0.232%
47	5.238	5.208	5.252	VV	19861	404021	6.70%	0.201%
48	5.267	5.252	5.282	VV	27776	352649	5.85%	0.175%
49	5.299	5.282	5.318	VV	17431	321591	5.33%	0.160%
50	5.326	5.318	5.344	VV	13907	184846	3.06%	0.092%
51	5.378	5.344	5.428	VV	54759	1209574	20.05%	0.602%
52	5.448	5.428	5.483	VV	16324	412932	6.84%	0.205%
53	5.523	5.483	5.534	VV	16490	425117	7.05%	0.211%
54	5.560	5.534	5.603	VV	65039	1275610	21.14%	0.635%
55	5.625	5.603	5.641	VV	25608	446935	7.41%	0.222%
56	5.671	5.641	5.704	VV	55667	1243572	20.61%	0.619%
57	5.725	5.704	5.739	VV	33460	463970	7.69%	0.231%
58	5.746	5.739	5.759	VV	21736	214698	3.56%	0.107%
59	5.787	5.759	5.811	VV	28401	571831	9.48%	0.284%
60	5.832	5.811	5.853	VV	30718	453385	7.51%	0.226%
61	5.883	5.853	5.902	VV	38712	698919	11.58%	0.348%
62	5.927	5.902	5.957	VV	63718	1329809	22.04%	0.661%
63	5.975	5.957	5.996	VV	55740	766633	12.71%	0.381%
64	6.020	5.996	6.044	VV	53515	917540	15.21%	0.456%
65	6.078	6.044	6.096	VV	57718	1069423	17.73%	0.532%
66	6.108	6.096	6.128	VV	25547	423663	7.02%	0.211%
67	6.165	6.128	6.179	VV	32092	758202	12.57%	0.377%
68	6.195	6.179	6.220	VV	34146	654943	10.86%	0.326%
69	6.239	6.220	6.263	VV	42284	761082	12.61%	0.379%
70	6.286	6.263	6.301	VV	29845	609157	10.10%	0.303%
71	6.313	6.301	6.328	VV	28679	408107	6.76%	0.203%
72	6.361	6.328	6.409	VV	479148	5721999	94.84%	2.846%
73	6.420	6.409	6.430	VV	22264	267918	4.44%	0.133%
74	6.450	6.430	6.462	VV	30707	494150	8.19%	0.246%
75	6.509	6.462	6.533	VV	139610	2393877	39.68%	1.191%
76	6.548	6.533	6.567	VV	49495	812645	13.47%	0.404%
77	6.579	6.567	6.607	VV	43289	736163	12.20%	0.366%
78	6.637	6.607	6.657	VV	43596	913313	15.14%	0.454%
79	6.682	6.657	6.706	VV	60812	1212318	20.09%	0.603%
80	6.716	6.706	6.728	VV	32443	373950	6.20%	0.186%
81	6.748	6.728	6.780	VV	38360	949481	15.74%	0.472%
82	6.818	6.780	6.837	VV	41620	975548	16.17%	0.485%
83	6.859	6.837	6.897	VV	63492	1685009	27.93%	0.838%
84	6.917	6.897	6.942	VV	72563	1169711	19.39%	0.582%
85	6.965	6.942	6.998	VV	58754	1401879	23.24%	0.697%
86	7.018	6.998	7.038	VV	57489	920517	15.26%	0.458%
87	7.061	7.038	7.098	VV	136523	2168515	35.94%	1.079%
88	7.115	7.098	7.136	VV	45544	773036	12.81%	0.385%
89	7.160	7.136	7.178	VV	52237	930373	15.42%	0.463%

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90	7.204	7.178	7.220	VV	34481	777648	12.89%	0.387%
91	7.246	7.220	7.260	VV	40929	825947	13	
92	7.283	7.260	7.308	VV	110385	1664484	27	
93	7.332	7.308	7.357	VV	36054	922167	15	
94	7.405	7.357	7.428	VV	42793	1576928	26	
95	7.454	7.428	7.481	VV	71925	1508781	25	
96	7.497	7.481	7.521	VV	35117	684605	11.35%	0.341%
97	7.541	7.521	7.558	VV	37726	650276	10.78%	0.323%
98	7.619	7.558	7.635	VV	54542	1746417	28.95%	0.869%
99	7.647	7.635	7.686	VV	40098	937547	15.54%	0.466%
100	7.708	7.686	7.720	VV	42900	685878	11.37%	0.341%
101	7.737	7.720	7.750	VV	57739	830317	13.76%	0.413%
102	7.761	7.750	7.781	VV	54938	751613	12.46%	0.374%
103	7.804	7.781	7.823	VV	57690	998885	16.56%	0.497%
104	7.850	7.823	7.872	VV	59203	1209352	20.04%	0.602%
105	7.903	7.872	7.927	VV	52338	1260405	20.89%	0.627%
106	7.975	7.927	8.001	VV	128134	2298254	38.09%	1.143%
107	8.023	8.001	8.045	VV	36869	846423	14.03%	0.421%
108	8.064	8.045	8.084	VV	41411	766936	12.71%	0.381%
109	8.114	8.084	8.124	VV	34944	780248	12.93%	0.388%
110	8.155	8.124	8.182	VV	501170	6033280	100.00%	3.001%
111	8.200	8.182	8.224	VV	46619	896793	14.86%	0.446%
112	8.249	8.224	8.282	VV	39638	1140712	18.91%	0.567%
113	8.309	8.282	8.332	VV	63170	1306388	21.65%	0.650%
114	8.344	8.332	8.381	VV	32072	834590	13.83%	0.415%
115	8.399	8.381	8.415	VV	32127	576331	9.55%	0.287%
116	8.453	8.415	8.490	VV	64312	1637284	27.14%	0.814%
117	8.509	8.490	8.531	VV	44039	872654	14.46%	0.434%
118	8.549	8.531	8.559	VV	38909	634450	10.52%	0.316%
119	8.571	8.559	8.586	VV	40544	587001	9.73%	0.292%
120	8.605	8.586	8.626	VV	59421	975322	16.17%	0.485%
121	8.643	8.626	8.657	VV	41717	624659	10.35%	0.311%
122	8.690	8.657	8.716	VV	122418	2139763	35.47%	1.064%
123	8.739	8.716	8.754	VV	35284	651047	10.79%	0.324%
124	8.766	8.754	8.789	VV	29145	517223	8.57%	0.257%
125	8.835	8.789	8.854	VV	32087	982037	16.28%	0.488%
126	8.865	8.854	8.883	VV	24596	409959	6.79%	0.204%
127	8.914	8.883	8.933	VV	33369	832971	13.81%	0.414%
128	8.974	8.933	9.024	VV	59860	1765120	29.26%	0.878%
129	9.058	9.024	9.081	VV	33360	834512	13.83%	0.415%
130	9.102	9.081	9.144	VV	23330	759709	12.59%	0.378%
131	9.176	9.144	9.188	VV	20516	481494	7.98%	0.240%
132	9.207	9.188	9.226	VV	22186	454009	7.53%	0.226%
133	9.274	9.226	9.315	VV	22987	1045674	17.33%	0.520%
134	9.348	9.315	9.381	VV	42662	1123464	18.62%	0.559%
135	9.392	9.381	9.403	VV	20696	260963	4.33%	0.130%
136	9.429	9.403	9.455	VV	32778	772714	12.81%	0.384%
137	9.478	9.455	9.493	VV	22534	455811	7.55%	0.227%
138	9.509	9.493	9.556	VV	25657	780792	12.94%	0.388%
139	9.589	9.556	9.614	VV	14511	468933	7.77%	0.233%
140	9.630	9.614	9.644	VV	12898	224023	3.71%	0.111%
141	9.664	9.644	9.680	VV	15817	313461	5.20%	0.156%

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142	9.706	9.680	9.724	VV	23956	505297	8.38%	0.251%
143	9.754	9.724	9.798	VV	447147	5611096	93	
144	9.817	9.798	9.844	VV	16830	446324		
145	9.854	9.844	9.897	VV	16420	443558		
146	9.923	9.897	9.944	VV	12832	331913		
147	9.965	9.944	9.974	VV	12838	222935		
148	9.983	9.974	10.008	VV	13158	242613	4.02%	0.121%
149	10.025	10.008	10.055	VV	13086	328789	5.45%	0.164%
150	10.097	10.055	10.110	VV	14163	392647	6.51%	0.195%
151	10.139	10.110	10.169	VV	45126	880617	14.60%	0.438%
152	10.187	10.169	10.204	VV	13225	266442	4.42%	0.133%
153	10.225	10.204	10.258	VV	12994	371629	6.16%	0.185%
154	10.285	10.258	10.310	VV	14283	345977	5.73%	0.172%
155	10.331	10.310	10.359	VV	9367	259657	4.30%	0.129%
156	10.384	10.359	10.393	VV	10046	188564	3.13%	0.094%
157	10.419	10.393	10.447	VV	11987	337357	5.59%	0.168%
158	10.488	10.447	10.523	VV	18176	558945	9.26%	0.278%
159	10.562	10.523	10.591	VV	46481	925648	15.34%	0.460%
160	10.608	10.591	10.640	VV	11358	292491	4.85%	0.145%
161	10.684	10.640	10.711	VV	9263	367862	6.10%	0.183%
162	10.725	10.711	10.733	VV	8950	113827	1.89%	0.057%
163	10.761	10.733	10.791	VV	9087	297772	4.94%	0.148%
164	10.819	10.791	10.846	VV	10226	306247	5.08%	0.152%
165	10.881	10.846	10.921	VV	12524	437578	7.25%	0.218%
166	10.967	10.921	10.977	VV	8635	275849	4.57%	0.137%
167	10.995	10.977	11.038	VV	10670	314920	5.22%	0.157%
168	11.050	11.038	11.074	VV	8064	168593	2.79%	0.084%
169	11.086	11.074	11.098	VV	7821	108881	1.80%	0.054%
170	11.123	11.098	11.158	VV	10588	316953	5.25%	0.158%
171	11.194	11.158	11.250	VV	431334	5290004	87.68%	2.631%
172	11.282	11.250	11.319	VV	25312	566191	9.38%	0.282%
173	11.347	11.319	11.369	VV	7500	210184	3.48%	0.105%
174	11.388	11.369	11.407	VV	7007	153267	2.54%	0.076%
175	11.466	11.407	11.527	VV	8030	518730	8.60%	0.258%
176	11.559	11.527	11.572	VV	7326	185404	3.07%	0.092%
177	11.586	11.572	11.613	VV	7396	168194	2.79%	0.084%
178	11.635	11.613	11.663	VV	7009	201639	3.34%	0.100%
179	11.682	11.663	11.727	VV	7434	259599	4.30%	0.129%
180	11.745	11.727	11.776	VV	7342	194989	3.23%	0.097%
181	11.799	11.776	11.812	VV	7383	149469	2.48%	0.074%
182	11.842	11.812	11.909	VV	10961	466307	7.73%	0.232%
183	11.931	11.909	11.947	VV	6332	135408	2.24%	0.067%
184	11.969	11.947	12.038	VV	6633	326259	5.41%	0.162%
185	12.074	12.038	12.101	VV	6371	222793	3.69%	0.111%
186	12.160	12.101	12.186	VV	5829	286042	4.74%	0.142%
187	12.209	12.186	12.234	VV	5363	148282	2.46%	0.074%
188	12.271	12.234	12.304	VV	5428	216067	3.58%	0.107%
189	12.325	12.304	12.345	VV	6495	141825	2.35%	0.071%
190	12.361	12.345	12.397	VV	5829	159646	2.65%	0.079%
191	12.437	12.397	12.464	VV	6462	215391	3.57%	0.107%
192	12.503	12.464	12.582	VV	399480	5060313	83.87%	2.517%
193	12.602	12.582	12.626	VV	4654	116977	1.94%	0.058%
194	12.645	12.626	12.681	VV	4372	127426	2.11%	0.063%

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195	12.690	12.681	12.734	VV	3438	106302	1.76%	0.053%
196	12.761	12.734	12.776	VV	3683	87215		
197	12.783	12.776	12.810	VV	3530	67690		
198	12.825	12.810	12.838	VV	3436	54251		
199	12.859	12.838	12.878	VV	3361	75559		
200	12.943	12.878	12.979	VV	242659	3209150	53	
201	12.995	12.979	13.025	VV	4646	111074	1.84%	0.055%
202	13.041	13.025	13.071	VV	3288	86263	1.43%	0.043%
203	13.114	13.071	13.201	VV	366184	4743552	78.62%	2.359%
204	13.211	13.201	13.258	VV	2618	83548	1.38%	0.042%
205	13.273	13.258	13.304	VV	2568	64227	1.06%	0.032%
206	13.335	13.304	13.358	VV	2931	79727	1.32%	0.040%
207	13.383	13.358	13.463	VV	2601	139953	2.32%	0.070%
208	13.489	13.463	13.511	VV	2244	59974	0.99%	0.030%
209	13.540	13.511	13.581	VV	2755	88640	1.47%	0.044%
210	13.604	13.581	13.624	VV	2121	50044	0.83%	0.025%
211	13.643	13.624	13.664	VV	3178	56553	0.94%	0.028%
212	13.699	13.664	13.804	VV	356977	4594707	76.16%	2.285%
213	13.833	13.804	13.884	VV	1549	64493	1.07%	0.032%
214	13.931	13.884	13.979	VV	1777	77313	1.28%	0.038%
215	13.998	13.979	14.031	VV	1221	34435	0.57%	0.017%
216	14.101	14.031	14.113	VV	1265	53973	0.89%	0.027%
217	14.134	14.113	14.171	VV	1858	44909	0.74%	0.022%
218	14.200	14.171	14.231	VV	1323	36232	0.60%	0.018%
219	14.261	14.231	14.290	VV	1342	33819	0.56%	0.017%
220	14.315	14.290	14.331	VV	943	19779	0.33%	0.010%
221	14.342	14.331	14.361	VV	833	14135	0.23%	0.007%
222	14.390	14.361	14.464	VV	1050	46773	0.78%	0.023%
223	14.506	14.464	14.533	VV	1146	32381	0.54%	0.016%
224	14.544	14.533	14.564	VV	811	13097	0.22%	0.007%
225	14.576	14.564	14.592	VV	662	9883	0.16%	0.005%
226	14.607	14.592	14.634	VV	614	13178	0.22%	0.007%
227	14.656	14.634	14.691	VV	655	18511	0.31%	0.009%
228	14.801	14.691	14.904	VV	325891	4424347	73.33%	2.201%
229	14.937	14.904	14.988	VV	573	21380	0.35%	0.011%
230	14.996	14.988	15.015	VV	328	4375	0.07%	0.002%
231	15.035	15.015	15.081	VV	402	10938	0.18%	0.005%
232	15.100	15.081	15.171	VV	403	13703	0.23%	0.007%
233	15.227	15.171	15.253	PV	477	11756	0.19%	0.006%
234	15.263	15.253	15.294	VV	364	6716	0.11%	0.003%
235	15.318	15.294	15.401	VV	1237	27440	0.45%	0.014%
236	15.409	15.401	15.421	VV	121	817	0.01%	0.000%
237	15.445	15.421	15.466	PV	329	4801	0.08%	0.002%
238	15.498	15.466	15.524	VV	167	4142	0.07%	0.002%
239	15.537	15.524	15.561	VV	314	4472	0.07%	0.002%
240	15.570	15.561	15.596	VV	194	2951	0.05%	0.001%
241	15.630	15.596	15.662	VV	582	13923	0.23%	0.007%
242	15.694	15.662	15.730	VV	396	9474	0.16%	0.005%
243	15.820	15.730	15.932	PV	325357	4291373	71.13%	2.135%
244	16.017	15.932	16.053	VV	897	29547	0.49%	0.015%
245	16.063	16.053	16.088	VV	299	5466	0.09%	0.003%
246	16.105	16.088	16.117	VV	567	7192	0.12%	0.004%

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247	16.148	16.117	16.161	VV	510	12186	0.20%	0.006%
248	16.165	16.161	16.228	VV	503	14913		
249	16.299	16.228	16.368	VV	1988	57449		
250	16.386	16.368	16.425	VV	508	14928		
251	16.471	16.425	16.483	VV	695	20632		
252	16.496	16.483	16.503	VV	777	8128		
253	16.514	16.503	16.551	VV	737	19062	0.32%	0.009%
254	16.567	16.551	16.587	VV	729	12908	0.21%	0.006%
255	16.646	16.587	16.689	VV	999	46541	0.77%	0.023%
256	16.769	16.689	16.834	VV	299485	4265032	70.69%	2.121%
257	16.855	16.834	16.909	VV	1342	51696	0.86%	0.026%
258	17.000	16.909	17.035	VV	2401	101817	1.69%	0.051%
259	17.062	17.035	17.103	VV	1183	43999	0.73%	0.022%
260	17.172	17.103	17.195	VV	2032	79350	1.32%	0.039%
261	17.218	17.195	17.264	VV	2937	74356	1.23%	0.037%
262	17.285	17.264	17.295	VV	1157	20367	0.34%	0.010%
263	17.323	17.295	17.358	VV	1846	53442	0.89%	0.027%
264	17.372	17.358	17.391	VV	1212	21641	0.36%	0.011%
265	17.403	17.391	17.464	VV	1341	48977	0.81%	0.024%
266	17.498	17.464	17.516	VV	1373	35632	0.59%	0.018%
267	17.544	17.516	17.575	VV	4626	89444	1.48%	0.044%
268	17.656	17.575	17.740	VV	289855	4349970	72.10%	2.164%
269	17.788	17.740	17.874	VV	3945	168064	2.79%	0.084%
270	17.879	17.874	17.884	VV	1189	6459	0.11%	0.003%
271	17.893	17.884	17.914	VV	1257	19627	0.33%	0.010%
272	17.942	17.914	17.951	VV	1277	24985	0.41%	0.012%
273	17.994	17.951	18.014	VV	1824	53030	0.88%	0.026%
274	18.026	18.014	18.050	VV	1505	28921	0.48%	0.014%
275	18.075	18.050	18.111	VV	3477	78608	1.30%	0.039%
276	18.156	18.111	18.213	VV	4780	122258	2.03%	0.061%
277	18.225	18.213	18.254	VV	1019	21523	0.36%	0.011%
278	18.307	18.254	18.348	VV	1212	56388	0.93%	0.028%
279	18.354	18.348	18.374	VV	949	14936	0.25%	0.007%
280	18.382	18.374	18.431	VV	1024	28078	0.47%	0.014%
281	18.488	18.431	18.554	VV	289618	4248393	70.42%	2.113%
282	18.577	18.554	18.601	VV	2298	47132	0.78%	0.023%
283	18.627	18.601	18.702	VV	1913	71324	1.18%	0.035%
284	18.713	18.702	18.733	VV	1076	19008	0.32%	0.009%
285	18.753	18.733	18.821	VV	1261	51772	0.86%	0.026%
286	18.834	18.821	18.847	VV	935	14015	0.23%	0.007%
287	18.882	18.847	18.944	VV	3411	103395	1.71%	0.051%
288	18.976	18.944	19.024	VV	1514	52621	0.87%	0.026%
289	19.070	19.024	19.106	VV	1236	52242	0.87%	0.026%
290	19.128	19.106	19.149	VV	1153	27324	0.45%	0.014%
291	19.175	19.149	19.204	VV	1236	38299	0.63%	0.019%
292	19.270	19.204	19.344	VV	267160	4227772	70.07%	2.103%
293	19.355	19.344	19.361	VV	1827	17486	0.29%	0.009%
294	19.381	19.361	19.402	VV	2053	43931	0.73%	0.022%
295	19.421	19.402	19.444	VV	1702	39960	0.66%	0.020%
296	19.477	19.444	19.494	VV	1868	51055	0.85%	0.025%
297	19.499	19.494	19.519	VV	1810	25895	0.43%	0.013%
298	19.565	19.519	19.587	VV	1941	73450	1.22%	0.037%
299	19.644	19.587	19.667	VV	3631	118142	1.96%	0.059%

Instrument :
FID_C
ClientSampleId :
WC-23MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024
Supervised By :Ankita Jodhani 09/20/2024

rteres

300	19.681	19.667	19.715	VV	2431	61806	1.02%	0.031%
301	19.802	19.715	19.809	VV	2612	124203	2	
302	19.906	19.809	19.954	VV	4877	333295	5	
303	20.010	19.954	20.131	VV	257147	4245972	70	
304	20.171	20.131	20.187	VV	3623	113345	1	
305	20.207	20.187	20.228	VV	3762	87908	1	
306	20.258	20.228	20.304	VV	3759	167586	2.78%	0.083%
307	20.361	20.304	20.401	VV	5548	237007	3.93%	0.118%
308	20.421	20.401	20.430	VV	3705	63277	1.05%	0.031%
309	20.487	20.430	20.506	VV	4178	181439	3.01%	0.090%
310	20.538	20.506	20.567	VV	4203	147834	2.45%	0.074%
311	20.586	20.567	20.624	VV	4059	134522	2.23%	0.067%
312	20.629	20.624	20.640	VV	3840	35560	0.59%	0.018%
313	20.735	20.640	20.939	VV	217494	4496815	74.53%	2.237%
314	20.984	20.939	21.107	VV	4059	381836	6.33%	0.190%
315	21.148	21.107	21.233	VV	4872	278859	4.62%	0.139%
316	21.264	21.233	21.278	VV	3161	82852	1.37%	0.041%
317	21.284	21.278	21.337	VV	3168	109552	1.82%	0.054%
318	21.351	21.337	21.374	VV	3114	65902	1.09%	0.033%
319	21.412	21.374	21.424	VV	2985	88396	1.47%	0.044%
320	21.433	21.424	21.474	VV	3006	87808	1.46%	0.044%
321	21.486	21.474	21.547	VV	2937	126278	2.09%	0.063%
322	21.625	21.547	21.701	VBA	147860	3696781	61.27%	1.839%
			Sum of corrected areas:			201041046		

Aliphatic EPH 091024.M Fri Sep 20 04:39:26 2024

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

Manual Integration Report

Sequence:	FC091024AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P3902-03MS	FC067085.D	n-Octacosane (C28)	yogesh	9/11/2024 8:42:16 AM	Ankita	9/11/2024 11:25:06	Peak Integrated by Software
P3902-03MS	FC067085.D	n-Tetracontane (C40)	yogesh	9/11/2024 8:42:16 AM	Ankita	9/11/2024 11:25:06	Peak Integrated by Software
P3902-03MS	FC067085.D	n-Tetradecane (C14)	yogesh	9/11/2024 8:42:16 AM	Ankita	9/11/2024 11:25:06	Peak Integrated by Software
P3902-03MSD	FC067086.D	n-Octacosane (C28)	yogesh	9/11/2024 8:42:17 AM	Ankita	9/11/2024 11:25:08	Peak Integrated by Software
P3902-03MSD	FC067086.D	n-Tetracontane (C40)	yogesh	9/11/2024 8:42:17 AM	Ankita	9/11/2024 11:25:08	Peak Integrated by Software
P3902-03MSD	FC067086.D	n-Tetradecane (C14)	yogesh	9/11/2024 8:42:17 AM	Ankita	9/11/2024 11:25:08	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067089.D	n-Tetracontane (C40)	yogesh	9/11/2024 8:42:18 AM	Ankita	9/11/2024 11:25:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC091924AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB163519BS	FC067170.D	n-Octacosane (C28)	yogesh	9/20/2024 7:56:44 AM	Ankita	9/20/2024 8:47:19	Peak Integrated by Software
PB163519BS	FC067170.D	n-Tetracosane (C24)	yogesh	9/20/2024 7:56:44 AM	Ankita	9/20/2024 8:47:19	Peak Integrated by Software
PB163519BSD	FC067171.D	n-Octacosane (C28)	yogesh	9/20/2024 7:56:45 AM	Ankita	9/20/2024 8:47:20	Peak Integrated by Software
PB163519BSD	FC067171.D	n-Tetracosane (C24)	yogesh	9/20/2024 7:56:45 AM	Ankita	9/20/2024 8:47:20	Peak Integrated by Software
P4088-07MS	FC067174.D	n-Tetracosane (C24)	yogesh	9/20/2024 7:56:47 AM	Ankita	9/20/2024 8:47:22	Peak Integrated by Software
P4088-07MSD	FC067175.D	n-Tetracosane (C24)	yogesh	9/20/2024 7:56:48 AM	Ankita	9/20/2024 8:47:24	Peak Integrated by Software
P4103-16D	FC067183.D	1-chlorooctadecane (SURR)	yogesh	9/20/2024 7:56:50 AM	Ankita	9/20/2024 8:47:25	Peak Integrated by Software
P4103-16MSD	FC067185.D	1-chlorooctadecane (SURR)	yogesh	9/20/2024 7:56:52 AM	Ankita	9/20/2024 8:47:27	Peak Integrated by Software
P4103-16MSD	FC067185.D	n-Heneicosane (C21)	yogesh	9/20/2024 7:56:52 AM	Ankita	9/20/2024 8:47:27	Peak Integrated by Software
P4104-01	FC067186.D	1-chlorooctadecane (SURR)	yogesh	9/20/2024 7:56:54 AM	Ankita	9/20/2024 8:47:28	Peak Integrated by Software

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Manual Integration Report

Sequence:	fc092024al	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4104-04DL	FC067198.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:29:37 AM	Ankita	9/23/2024 10:13:10	Peak Integrated by Software
P4104-06DL	FC067199.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:29:39 AM	Ankita	9/23/2024 10:13:11	Peak Integrated by Software
P4104-07DL	FC067200.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:29:40 AM	Ankita	9/23/2024 10:13:13	Peak Integrated by Software
P4104-07DL2	FC067201.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:29:41 AM	Ankita	9/23/2024 10:13:14	Peak Integrated by Software
P4104-19MS	FC067209.D	n-Dotriacontane (C32)	yogesh	9/23/2024 9:29:43 AM	Ankita	9/23/2024 10:13:15	Peak Integrated by Software
P4104-22	FC067213.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:29:44 AM	Ankita	9/23/2024 10:13:17	Peak Integrated by Software
P4104-23	FC067214.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:29:46 AM	Ankita	9/23/2024 10:13:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD090624AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD048278.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/9/2024 8:45:55 AM	Ankita	9/9/2024 9:31:13	Peak Integrated by Software
100 PPM AROMATIC HC	FD048278.D	Dibenz[a,h]anthracene (C30.36)	yogesh	9/9/2024 8:45:55 AM	Ankita	9/9/2024 9:31:13	Peak Integrated by Software
5 PPM AROMATIC HC	FD048282.D	Dibenz[a,h]anthracene (C30.36)	yogesh	9/9/2024 8:45:56 AM	Ankita	9/9/2024 9:31:15	Peak Integrated by Software
20 PPM AROMATIC HC	FD048283.D	benzo[b]fluoranthene (C30.41)	yogesh	9/9/2024 8:45:58 AM	Ankita	9/9/2024 9:31:16	Peak Integrated by Software
20 PPM AROMATIC HC	FD048283.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/9/2024 8:45:58 AM	Ankita	9/9/2024 9:31:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD091924AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048333.D	benzo[b]fluoranthene (C30.41)	yogesh	9/20/2024 10:16:32 AM	Ankita	9/20/2024 2:09:54	Peak Integrated by Software
20 PPM AROMATIC HC	FD048333.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/20/2024 10:16:32 AM	Ankita	9/20/2024 2:09:54	Peak Integrated by Software
P4104-06	FD048345.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 10:16:34 AM	Ankita	9/20/2024 2:09:57	Peak Integrated by Software
P4104-06	FD048345.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 10:16:34 AM	Ankita	9/20/2024 2:09:57	Peak Integrated by Software
P4104-07	FD048346.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 10:16:36 AM	Ankita	9/20/2024 2:09:58	Peak Integrated by Software
P4104-07	FD048346.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 10:16:36 AM	Ankita	9/20/2024 2:09:58	Peak Integrated by Software
P4104-07	FD048346.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 10:16:36 AM	Ankita	9/20/2024 2:09:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE091024AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE049982.D	n-Hexatriacontane (C36)	yogesh	9/10/2024 8:42:44 AM	Ankita	9/10/2024 9:04:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE091924AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE050200.D	n-Nonane (C9)	yogesh	9/20/2024 7:57:48 AM	Ankita	9/20/2024 8:46:40	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050200.D	n-Tetracontane (C40)	yogesh	9/20/2024 7:57:48 AM	Ankita	9/20/2024 8:46:40	Peak Integrated by Software
P4098-01DL	FE050201.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:57:49 AM	Ankita	9/20/2024 8:46:42	Peak Integrated by Software
P4090-02DL	FE050206.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:57:52 AM	Ankita	9/20/2024 8:46:43	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050208.D	n-Nonane (C9)	yogesh	9/20/2024 7:57:53 AM	Ankita	9/20/2024 8:46:46	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050216.D	n-Nonane (C9)	yogesh	9/20/2024 7:57:56 AM	Ankita	9/20/2024 8:46:47	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050216.D	n-Tetracontane (C40)	yogesh	9/20/2024 7:57:56 AM	Ankita	9/20/2024 8:46:47	Peak Integrated by Software
P4103-01	FE050217.D	1-chlorooctadecane (SURR)	yogesh	9/20/2024 7:57:58 AM	Ankita	9/20/2024 8:46:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050231.D	n-Nonane (C9)	yogesh	9/20/2024 7:57:59 AM	Ankita	9/20/2024 8:46:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050231.D	n-Tetracontane (C40)	yogesh	9/20/2024 7:57:59 AM	Ankita	9/20/2024 8:46:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE092024AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE050234.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:29 AM	Ankita	9/23/2024 10:12:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050234.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:29 AM	Ankita	9/23/2024 10:12:22	Peak Integrated by Software
P4103-04DL	FE050237.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:05:30 AM	Ankita	9/23/2024 10:12:24	Peak Integrated by Software
P4103-10DL2	FE050240.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:05:32 AM	Ankita	9/23/2024 10:12:25	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050243.D	n-Eicosane (C20)	yogesh	9/23/2024 9:05:34 AM	Ankita	9/23/2024 10:12:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050243.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:34 AM	Ankita	9/23/2024 10:12:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050243.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:34 AM	Ankita	9/23/2024 10:12:27	Peak Integrated by Software
P4104-10DL	FE050244.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:05:36 AM	Ankita	9/23/2024 10:12:29	Peak Integrated by Software
P4104-10DL2	FE050245.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:05:39 AM	Ankita	9/23/2024 10:12:30	Peak Integrated by Software
P4104-14DL2	FE050251.D	1-chlorooctadecane (SURR)	yogesh	9/23/2024 9:05:41 AM	Ankita	9/23/2024 10:12:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050254.D	n-Eicosane (C20)	yogesh	9/23/2024 9:05:42 AM	Ankita	9/23/2024 10:12:33	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050254.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:42 AM	Ankita	9/23/2024 10:12:33	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050254.D	n-Octatriacontane (C38)	yogesh	9/23/2024 9:05:42 AM	Ankita	9/23/2024 10:12:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE092024AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE050254.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:42 AM	Ankita	9/23/2024 10:12:33	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050266.D	n-Eicosane (C20)	yogesh	9/23/2024 9:05:44 AM	Ankita	9/23/2024 10:12:36	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050266.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:44 AM	Ankita	9/23/2024 10:12:36	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050266.D	n-Octatriacontane (C38)	yogesh	9/23/2024 9:05:44 AM	Ankita	9/23/2024 10:12:36	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050266.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:44 AM	Ankita	9/23/2024 10:12:36	Peak Integrated by Software
PB163556BS	FE050268.D	n-Dotriacontane (C32)	yogesh	9/23/2024 9:05:46 AM	Ankita	9/23/2024 10:12:38	Peak Integrated by Software
PB163556BS	FE050268.D	n-Eicosane (C20)	yogesh	9/23/2024 9:05:46 AM	Ankita	9/23/2024 10:12:38	Peak Integrated by Software
PB163556BS	FE050268.D	n-Octatriacontane (C38)	yogesh	9/23/2024 9:05:46 AM	Ankita	9/23/2024 10:12:38	Peak Integrated by Software
PB163556BS	FE050268.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:46 AM	Ankita	9/23/2024 10:12:38	Peak Integrated by Software
PB163556BSD	FE050269.D	n-Dotriacontane (C32)	yogesh	9/23/2024 9:05:47 AM	Ankita	9/23/2024 10:12:39	Peak Integrated by Software
PB163556BSD	FE050269.D	n-Eicosane (C20)	yogesh	9/23/2024 9:05:47 AM	Ankita	9/23/2024 10:12:39	Peak Integrated by Software
PB163556BSD	FE050269.D	n-Octatriacontane (C38)	yogesh	9/23/2024 9:05:47 AM	Ankita	9/23/2024 10:12:39	Peak Integrated by Software
PB163556BSD	FE050269.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:47 AM	Ankita	9/23/2024 10:12:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE092024AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4126-01MS	FE050275.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:49 AM	Ankita	9/23/2024 10:12:41	Peak Integrated by Software
P4126-01MSD	FE050276.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:51 AM	Ankita	9/23/2024 10:12:43	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050279.D	n-Eicosane (C20)	yogesh	9/23/2024 9:05:52 AM	Ankita	9/23/2024 10:12:45	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050279.D	n-Nonane (C9)	yogesh	9/23/2024 9:05:52 AM	Ankita	9/23/2024 10:12:45	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE050279.D	n-Tetracontane (C40)	yogesh	9/23/2024 9:05:52 AM	Ankita	9/23/2024 10:12:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG090424AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPM AROMATIC HC	FG014165.D	Pyrene (C20.8)	yogesh	9/4/2024 3:00:51 PM	Ankita	9/4/2024 3:56:35	Peak Integrated by Software
10 PPM AROMATIC HC	FG014167.D	Dibenz[a,h]anthracene (C30.36)	yogesh	9/4/2024 3:00:53 PM	Ankita	9/4/2024 3:56:37	Peak Integrated by Software
5 PPM AROMATIC HC	FG014168.D	Benzo[a]pyrene (C31.34)	yogesh	9/4/2024 3:00:54 PM	Ankita	9/4/2024 3:56:38	Peak Integrated by Software
5 PPM AROMATIC HC	FG014168.D	Dibenz[a,h]anthracene (C30.36)	yogesh	9/4/2024 3:00:54 PM	Ankita	9/4/2024 3:56:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG091924AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FG014280.D	Benzo[a]anthracene (C26.37)	yogesh	9/20/2024 7:55:03 AM	Ankita	9/20/2024 8:49:31	Peak Integrated by Software
20 PPM AROMATIC HC	FG014280.D	benzo[b]fluoranthene (C30.41)	yogesh	9/20/2024 7:55:03 AM	Ankita	9/20/2024 8:49:31	Peak Integrated by Software
20 PPM AROMATIC HC	FG014280.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	9/20/2024 7:55:03 AM	Ankita	9/20/2024 8:49:31	Peak Integrated by Software
P4103-01	FG014281.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:05 AM	Ankita	9/20/2024 8:49:32	Peak Integrated by Software
P4103-01	FG014281.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:05 AM	Ankita	9/20/2024 8:49:32	Peak Integrated by Software
P4103-01	FG014281.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:05 AM	Ankita	9/20/2024 8:49:32	Peak Integrated by Software
P4103-04	FG014282.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:06 AM	Ankita	9/20/2024 8:49:34	Peak Integrated by Software
P4103-04	FG014282.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:06 AM	Ankita	9/20/2024 8:49:34	Peak Integrated by Software
P4103-07	FG014283.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:09 AM	Ankita	9/20/2024 8:49:36	Peak Integrated by Software
P4103-07	FG014283.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:09 AM	Ankita	9/20/2024 8:49:36	Peak Integrated by Software
P4103-10	FG014284.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:07 AM	Ankita	9/20/2024 8:49:38	Peak Integrated by Software
P4103-10	FG014284.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:07 AM	Ankita	9/20/2024 8:49:38	Peak Integrated by Software
P4103-10	FG014284.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:07 AM	Ankita	9/20/2024 8:49:38	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4104-08	FG014286.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:10 AM	Ankita	9/20/2024 8:49:40	Peak Integrated by Software
P4104-09	FG014287.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:10 AM	Ankita	9/20/2024 8:49:42	Peak Integrated by Software
P4104-09	FG014287.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:10 AM	Ankita	9/20/2024 8:49:42	Peak Integrated by Software
P4104-09	FG014287.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:10 AM	Ankita	9/20/2024 8:49:42	Peak Integrated by Software
P4104-10	FG014288.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:12 AM	Ankita	9/20/2024 8:49:43	Peak Integrated by Software
P4104-10	FG014288.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:12 AM	Ankita	9/20/2024 8:49:43	Peak Integrated by Software
P4104-10	FG014288.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:12 AM	Ankita	9/20/2024 8:49:43	Peak Integrated by Software
P4104-11	FG014289.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:14 AM	Ankita	9/20/2024 8:49:45	Peak Integrated by Software
P4104-11	FG014289.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:14 AM	Ankita	9/20/2024 8:49:45	Peak Integrated by Software
P4104-11	FG014289.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:14 AM	Ankita	9/20/2024 8:49:45	Peak Integrated by Software
P4104-12	FG014290.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:15 AM	Ankita	9/20/2024 8:49:46	Peak Integrated by Software
P4104-12	FG014290.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:15 AM	Ankita	9/20/2024 8:49:46	Peak Integrated by Software
P4104-12	FG014290.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:15 AM	Ankita	9/20/2024 8:49:46	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4104-14	FG014292.D	2-Bromonaphthalene (SURR)	yogesh	9/20/2024 7:55:16 AM	Ankita	9/20/2024 8:49:48	Peak Integrated by Software
P4104-14	FG014292.D	2-Flurobiphenyl (SURR)	yogesh	9/20/2024 7:55:16 AM	Ankita	9/20/2024 8:49:48	Peak Integrated by Software
P4104-14	FG014292.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:16 AM	Ankita	9/20/2024 8:49:48	Peak Integrated by Software
P4104-15	FG014293.D	ortho-Terphenyl (SURR)	yogesh	9/20/2024 7:55:18 AM	Ankita	9/20/2024 8:49:50	Peak Integrated by Software
20 PPM AROMATIC HC	FG014295.D	Benzo[a]anthracene (C26.37)	yogesh	9/20/2024 7:55:20 AM	Ankita	9/20/2024 8:49:52	Peak Integrated by Software
20 PPM AROMATIC HC	FG014295.D	benzo[b]fluoranthene (C30.41)	yogesh	9/20/2024 7:55:20 AM	Ankita	9/20/2024 8:49:52	Peak Integrated by Software
20 PPM AROMATIC HC	FG014295.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	9/20/2024 7:55:20 AM	Ankita	9/20/2024 8:49:52	Peak Integrated by Software

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Sequence:	FG092024AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FG014298.D	Benzo[a]anthracene (C26.37)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
20 PPM AROMATIC HC	FG014298.D	benzo[b]fluoranthene (C30.41)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
20 PPM AROMATIC HC	FG014298.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
20 PPM AROMATIC HC	FG014298.D	Dibenz[a,h]anthracene (C30.36)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
20 PPM AROMATIC HC	FG014298.D	Fluoranthene (C21.85)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
20 PPM AROMATIC HC	FG014298.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
20 PPM AROMATIC HC	FG014298.D	Pyrene (C20.8)	yogesh	9/23/2024 9:06:52 AM	Ankita	9/23/2024 10:09:53	Peak Integrated by Software
P4103-01DL	FG014299.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:06:53 AM	Ankita	9/23/2024 10:09:54	Peak Integrated by Software
P4103-01DL	FG014299.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:06:53 AM	Ankita	9/23/2024 10:09:54	Peak Integrated by Software
P4103-01DL	FG014299.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:06:53 AM	Ankita	9/23/2024 10:09:54	Peak Integrated by Software
P4103-04DL	FG014300.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:06:55 AM	Ankita	9/23/2024 10:09:56	Peak Integrated by Software
P4103-04DL	FG014300.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:06:55 AM	Ankita	9/23/2024 10:09:56	Peak Integrated by Software
P4104-08	FG014301.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:06:58 AM	Ankita	9/23/2024 10:09:58	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4104-08	FG014301.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:06:58 AM	Ankita	9/23/2024 10:09:58	Peak Integrated by Software
P4103-07DL	FG014302.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:06:59 AM	Ankita	9/23/2024 10:10:00	Peak Integrated by Software
P4103-07DL	FG014302.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:06:59 AM	Ankita	9/23/2024 10:10:00	Peak Integrated by Software
P4103-10DL	FG014303.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:01 AM	Ankita	9/23/2024 10:10:02	Peak Integrated by Software
P4103-10DL	FG014303.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:01 AM	Ankita	9/23/2024 10:10:02	Peak Integrated by Software
P4103-10DL	FG014303.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:01 AM	Ankita	9/23/2024 10:10:02	Peak Integrated by Software
P4104-09DL	FG014304.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:03 AM	Ankita	9/23/2024 10:10:03	Peak Integrated by Software
P4104-09DL	FG014304.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:03 AM	Ankita	9/23/2024 10:10:03	Peak Integrated by Software
20 PPM AROMATIC HC	FG014306.D	Benzo[a]anthracene (C26.37)	yogesh	9/23/2024 9:07:06 AM	Ankita	9/23/2024 10:10:05	Peak Integrated by Software
20 PPM AROMATIC HC	FG014306.D	benzo[b]fluoranthene (C30.41)	yogesh	9/23/2024 9:07:06 AM	Ankita	9/23/2024 10:10:05	Peak Integrated by Software
20 PPM AROMATIC HC	FG014306.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/23/2024 9:07:06 AM	Ankita	9/23/2024 10:10:05	Peak Integrated by Software
20 PPM AROMATIC HC	FG014306.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	9/23/2024 9:07:06 AM	Ankita	9/23/2024 10:10:05	Peak Integrated by Software
P4104-10DL	FG014307.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:09 AM	Ankita	9/23/2024 10:10:07	Peak Integrated by Software

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P4104-10DL	FG014307.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:09 AM	Ankita	9/23/2024 10:10:07	Peak Integrated by Software
P4104-10DL	FG014307.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:09 AM	Ankita	9/23/2024 10:10:07	Peak Integrated by Software
P4104-10DL2	FG014308.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:11 AM	Ankita	9/23/2024 10:10:09	Peak Integrated by Software
P4104-10DL2	FG014308.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:11 AM	Ankita	9/23/2024 10:10:09	Peak Integrated by Software
P4104-10DL2	FG014308.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:11 AM	Ankita	9/23/2024 10:10:09	Peak Integrated by Software
P4104-11DL	FG014309.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:13 AM	Ankita	9/23/2024 10:10:10	Peak Integrated by Software
P4104-11DL	FG014309.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:13 AM	Ankita	9/23/2024 10:10:10	Peak Integrated by Software
P4104-11DL	FG014309.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:13 AM	Ankita	9/23/2024 10:10:10	Peak Integrated by Software
P4104-12DL	FG014310.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:54 AM	Ankita	9/23/2024 10:10:12	Peak Integrated by Software
P4104-12DL	FG014310.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:54 AM	Ankita	9/23/2024 10:10:12	Peak Integrated by Software
P4104-12DL	FG014310.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:54 AM	Ankita	9/23/2024 10:10:12	Peak Integrated by Software
P4104-12DL	FG014311.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:56 AM	Ankita	9/23/2024 10:10:13	Peak Integrated by Software
P4104-12DL	FG014311.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:56 AM	Ankita	9/23/2024 10:10:13	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4104-12DL	FG014311.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:56 AM	Ankita	9/23/2024 10:10:13	Peak Integrated by Software
P4104-14DL	FG014312.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:57 AM	Ankita	9/23/2024 10:10:15	Peak Integrated by Software
P4104-14DL	FG014312.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:57 AM	Ankita	9/23/2024 10:10:15	Peak Integrated by Software
P4104-14DL	FG014312.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:57 AM	Ankita	9/23/2024 10:10:15	Peak Integrated by Software
P4104-14DL2	FG014313.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:07:59 AM	Ankita	9/23/2024 10:10:17	Peak Integrated by Software
P4104-14DL2	FG014313.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:07:59 AM	Ankita	9/23/2024 10:10:17	Peak Integrated by Software
P4104-14DL2	FG014313.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:07:59 AM	Ankita	9/23/2024 10:10:17	Peak Integrated by Software
20 PPM AROMATIC HC	FG014315.D	Benzo[a]anthracene (C26.37)	yogesh	9/23/2024 9:08:01 AM	Ankita	9/23/2024 10:10:19	Peak Integrated by Software
20 PPM AROMATIC HC	FG014315.D	benzo[b]fluoranthene (C30.41)	yogesh	9/23/2024 9:08:01 AM	Ankita	9/23/2024 10:10:19	Peak Integrated by Software
20 PPM AROMATIC HC	FG014315.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/23/2024 9:08:01 AM	Ankita	9/23/2024 10:10:19	Peak Integrated by Software
20 PPM AROMATIC HC	FG014315.D	Dibenz[a,h]anthracene (C30.36)	yogesh	9/23/2024 9:08:01 AM	Ankita	9/23/2024 10:10:19	Peak Integrated by Software
20 PPM AROMATIC HC	FG014315.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	9/23/2024 9:08:01 AM	Ankita	9/23/2024 10:10:19	Peak Integrated by Software
P4104-18	FG014318.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:08:02 AM	Ankita	9/23/2024 10:10:21	Peak Integrated by Software

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P4104-18	FG014318.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:08:02 AM	Ankita	9/23/2024 10:10:21	Peak Integrated by Software
P4104-24	FG014319.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:08:04 AM	Ankita	9/23/2024 10:10:23	Peak Integrated by Software
P4104-24	FG014319.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:08:04 AM	Ankita	9/23/2024 10:10:23	Peak Integrated by Software
P4104-24	FG014319.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:08:04 AM	Ankita	9/23/2024 10:10:23	Peak Integrated by Software
P4104-25	FG014320.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:08:07 AM	Ankita	9/23/2024 10:10:25	Peak Integrated by Software
P4104-25	FG014320.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:08:07 AM	Ankita	9/23/2024 10:10:25	Peak Integrated by Software
P4104-25	FG014320.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:08:07 AM	Ankita	9/23/2024 10:10:25	Peak Integrated by Software
P4104-26	FG014321.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:08:09 AM	Ankita	9/23/2024 10:10:26	Peak Integrated by Software
P4104-26	FG014321.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:08:09 AM	Ankita	9/23/2024 10:10:26	Peak Integrated by Software
P4104-26	FG014321.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:08:09 AM	Ankita	9/23/2024 10:10:26	Peak Integrated by Software
P4104-27	FG014322.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:08:11 AM	Ankita	9/23/2024 10:10:29	Peak Integrated by Software
P4104-29	FG014324.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:08:13 AM	Ankita	9/23/2024 10:10:30	Peak Integrated by Software
P4104-29	FG014324.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:08:13 AM	Ankita	9/23/2024 10:10:30	Peak Integrated by Software

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P4104-29	FG014324.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:08:13 AM	Ankita	9/23/2024 10:10:30	Peak Integrated by Software
P4104-30	FG014325.D	2-Bromonaphthalene (SURR)	yogesh	9/23/2024 9:08:14 AM	Ankita	9/23/2024 10:10:32	Peak Integrated by Software
P4104-30	FG014325.D	2-Flurobiphenyl (SURR)	yogesh	9/23/2024 9:08:14 AM	Ankita	9/23/2024 10:10:32	Peak Integrated by Software
P4104-30	FG014325.D	ortho-Terphenyl (SURR)	yogesh	9/23/2024 9:08:14 AM	Ankita	9/23/2024 10:10:32	Peak Integrated by Software
20 PPM AROMATIC HC	FG014327.D	Benzo[a]anthracene (C26.37)	yogesh	9/23/2024 9:08:16 AM	Ankita	9/23/2024 10:10:34	Peak Integrated by Software
20 PPM AROMATIC HC	FG014327.D	benzo[b]fluoranthene (C30.41)	yogesh	9/23/2024 9:08:16 AM	Ankita	9/23/2024 10:10:34	Peak Integrated by Software
20 PPM AROMATIC HC	FG014327.D	Bnezo[k]fluoranthene (C30.14)	yogesh	9/23/2024 9:08:16 AM	Ankita	9/23/2024 10:10:34	Peak Integrated by Software
20 PPM AROMATIC HC	FG014327.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	9/23/2024 9:08:16 AM	Ankita	9/23/2024 10:10:34	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091024AL

Review By	yogesh	Review On	9/10/2024 1:23:26 PM		
Supervise By	Ankita	Supervise On	9/11/2024 11:25:19 AM		
SubDirectory	FC091024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067071.D	09 Sep 2024 08:40	YP/AJ	Ok
2	I.BLK	FC067072.D	09 Sep 2024 09:16	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067073.D	09 Sep 2024 11:08	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067074.D	09 Sep 2024 11:45	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067075.D	09 Sep 2024 12:23	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067076.D	09 Sep 2024 13:02	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067077.D	09 Sep 2024 13:40	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067078.D	09 Sep 2024 14:19	YP/AJ	Ok
9	I.BLK	FC067079.D	09 Sep 2024 14:58	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067080.D	09 Sep 2024 15:37	YP/AJ	Ok
11	PB163237BL	FC067081.D	09 Sep 2024 16:16	YP/AJ	Ok
12	PB163237BS	FC067082.D	09 Sep 2024 16:54	YP/AJ	Ok
13	PB163237BSD	FC067083.D	09 Sep 2024 17:33	YP/AJ	Ok
14	P3902-03	FC067084.D	09 Sep 2024 18:12	YP/AJ	Ok
15	P3902-03MS	FC067085.D	09 Sep 2024 18:51	YP/AJ	Ok,M
16	P3902-03MSD	FC067086.D	09 Sep 2024 19:29	YP/AJ	Ok,M
17	P3902-04	FC067087.D	09 Sep 2024 20:08	YP/AJ	Ok
18	I.BLK	FC067088.D	09 Sep 2024 21:25	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC067089.D	09 Sep 2024 23:57	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091924AL

Review By	yogesh	Review On	9/19/2024 12:35:28 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:32 AM		
SubDirectory	FC091924AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067166.D	19 Sep 2024 08:57	YP/AJ	Ok
2	I.BLK	FC067167.D	19 Sep 2024 09:35	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067168.D	19 Sep 2024 10:51	YP/AJ	Ok
4	PB163519BL	FC067169.D	19 Sep 2024 12:19	YP/AJ	Ok
5	PB163519BS	FC067170.D	19 Sep 2024 12:57	YP/AJ	Ok,M
6	PB163519BSD	FC067171.D	19 Sep 2024 13:34	YP/AJ	Ok,M
7	P4088-07	FC067172.D	19 Sep 2024 14:12	YP/AJ	Ok
8	P4088-07D	FC067173.D	19 Sep 2024 14:50	YP/AJ	Ok
9	P4088-07MS	FC067174.D	19 Sep 2024 15:29	YP/AJ	Ok,M
10	P4088-07MSD	FC067175.D	19 Sep 2024 16:07	YP/AJ	Ok,M
11	P4088-10	FC067176.D	19 Sep 2024 16:46	YP/AJ	Ok
12	I.BLK	FC067177.D	19 Sep 2024 18:03	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC067178.D	19 Sep 2024 18:42	YP/AJ	Ok
14	PB163524BL	FC067179.D	19 Sep 2024 20:37	YP/AJ	Ok
15	PB163524BS	FC067180.D	19 Sep 2024 21:15	YP/AJ	Ok
16	PB163524BSD	FC067181.D	19 Sep 2024 21:53	YP/AJ	Ok
17	P4103-16	FC067182.D	19 Sep 2024 22:31	YP/AJ	Dilution
18	P4103-16D	FC067183.D	19 Sep 2024 23:09	YP/AJ	Ok,M
19	P4103-16MS	FC067184.D	19 Sep 2024 23:47	YP/AJ	Ok
20	P4103-16MSD	FC067185.D	20 Sep 2024 00:25	YP/AJ	Ok,M
21	P4104-01	FC067186.D	20 Sep 2024 01:03	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091924AL

Review By	yogesh	Review On	9/19/2024 12:35:28 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:32 AM		
SubDirectory	FC091924AL	HP Acquire Method		HP Processing Method	FC091024AL

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	P4104-02	FC067187.D	20 Sep 2024 01:41	YP/AJ	Ok
23	P4104-03	FC067188.D	20 Sep 2024 02:19	YP/AJ	Ok
24	P4104-04	FC067189.D	20 Sep 2024 02:56	YP/AJ	Dilution
25	P4104-06	FC067190.D	20 Sep 2024 03:34	YP/AJ	Dilution
26	P4104-07	FC067191.D	20 Sep 2024 04:12	YP/AJ	Dilution
27	I.BLK	FC067192.D	20 Sep 2024 05:27	YP/AJ	Ok
28	20 PPM ALIPHATIC HC STD	FC067193.D	20 Sep 2024 06:05	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC092024AL

Review By	yogesh	Review On	9/20/2024 12:22:38 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:13:29 AM		
SubDirectory	FC092024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067194.D	20 Sep 2024 07:20	YP/AJ	Ok
2	I.BLK	FC067195.D	20 Sep 2024 07:58	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067196.D	20 Sep 2024 08:35	YP/AJ	Ok
4	P4103-16DL	FC067197.D	20 Sep 2024 10:03	YP/AJ	Ok
5	P4104-04DL	FC067198.D	20 Sep 2024 10:41	YP/AJ	Ok,M
6	P4104-06DL	FC067199.D	20 Sep 2024 11:19	YP/AJ	Ok,M
7	P4104-07DL	FC067200.D	20 Sep 2024 12:15	YP/AJ	Dilution
8	P4104-07DL2	FC067201.D	20 Sep 2024 12:53	YP/AJ	Ok,M
9	I.BLK	FC067202.D	20 Sep 2024 14:10	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067203.D	20 Sep 2024 14:50	YP/AJ	Ok
11	PB163557BL	FC067204.D	20 Sep 2024 16:46	YP/AJ	Ok
12	PB163557BS	FC067205.D	20 Sep 2024 17:25	YP/AJ	Ok
13	PB163557BSD	FC067206.D	20 Sep 2024 18:04	YP/AJ	Ok
14	P4104-19	FC067207.D	20 Sep 2024 18:43	YP/AJ	Ok
15	P4104-19D	FC067208.D	20 Sep 2024 19:21	YP/AJ	Ok
16	P4104-19MS	FC067209.D	20 Sep 2024 19:59	YP/AJ	Ok,M
17	P4104-19MSD	FC067210.D	20 Sep 2024 20:37	YP/AJ	Ok
18	P4104-20	FC067211.D	20 Sep 2024 21:15	YP/AJ	Ok
19	P4104-21	FC067212.D	20 Sep 2024 21:53	YP/AJ	Dilution
20	P4104-22	FC067213.D	20 Sep 2024 22:32	YP/AJ	Dilution
21	P4104-23	FC067214.D	20 Sep 2024 23:10	YP/AJ	Dilution

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC092024AL

Review By	yogesh	Review On	9/20/2024 12:22:38 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:13:29 AM		
SubDirectory	FC092024AL	HP Acquire Method		HP Processing Method	FC091024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FC067215.D	21 Sep 2024 00:29	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC067216.D	21 Sep 2024 01:08	YP/AJ	Ok
24	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
25	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
26	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
27	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
28	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
29	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
30	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
31	PB163576BL	FC067217.D	21 Sep 2024 03:45	YP/AJ	Ok
32	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
33	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
34	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
35	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
36	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
37	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
38	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
39	PB163576BS	FC067218.D	21 Sep 2024 04:24	YP/AJ	Ok
40	PB163576BSD	FC067219.D	21 Sep 2024 05:02	YP/AJ	Ok
41	PB163576BSD	FC067219.D	21 Sep 2024 05:02	YP/AJ	Ok
42	PB163576BSD	FC067219.D	21 Sep 2024 05:02	YP/AJ	Ok
43	P4127-03	FC067220.D	21 Sep 2024 05:40	YP/AJ	Ok
44	P4127-04	FC067221.D	21 Sep 2024 06:18	YP/AJ	ReRun

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC092024AL

Review By	yogesh	Review On	9/20/2024 12:22:38 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:13:29 AM		
SubDirectory	FC092024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	

45	P4127-05	FC067222.D	21 Sep 2024 06:56	YP/AJ	Ok
46	P4127-06	FC067223.D	21 Sep 2024 07:33	YP/AJ	Ok
47	P4127-07	FC067224.D	21 Sep 2024 08:10	YP/AJ	Ok
48	P4127-07MS	FC067225.D	21 Sep 2024 08:48	YP/AJ	Ok
49	P4127-07MSD	FC067226.D	21 Sep 2024 09:25	YP/AJ	Ok
50	I.BLK	FC067227.D	21 Sep 2024 10:41	YP/AJ	Ok
51	20 PPM ALIPHATIC HC STD	FC067228.D	21 Sep 2024 11:18	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD090624AR

Review By	yogesh	Review On	9/6/2024 2:56:30 PM		
Supervise By	Ankita	Supervise On	9/9/2024 9:31:20 AM		
SubDirectory	FD090624AR	HP Acquire Method		HP Processing Method	FD090624AR

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	FD048276.D	06 Sep 2024 06:20	YP/AJ	Ok
2	I.BLK	FD048277.D	06 Sep 2024 06:55	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048278.D	06 Sep 2024 08:26	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD048279.D	06 Sep 2024 09:03	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048280.D	06 Sep 2024 09:40	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048281.D	06 Sep 2024 10:17	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048282.D	06 Sep 2024 10:54	YP/AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FD048283.D	06 Sep 2024 11:32	YP/AJ	Ok,M
9	I.BLK	FD048284.D	06 Sep 2024 12:10	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048285.D	06 Sep 2024 12:47	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD091924AR

Review By	yogesh	Review On	9/20/2024 12:29:36 PM		
Supervise By	Ankita	Supervise On	9/20/2024 2:10:02 PM		
SubDirectory	FD091924AR	HP Acquire Method		HP Processing Method	FD090624AR

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	FD048331.D	19 Sep 2024 08:57	YP/AJ	Ok
2	I.BLK	FD048332.D	19 Sep 2024 15:29	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048333.D	19 Sep 2024 16:07	YP/AJ	Ok,M
4	PB163524BL	FD048334.D	19 Sep 2024 20:37	YP/AJ	Ok
5	PB163524BS	FD048335.D	19 Sep 2024 21:15	YP/AJ	Ok
6	PB163524BSD	FD048336.D	19 Sep 2024 21:53	YP/AJ	Ok
7	P4103-16	FD048337.D	19 Sep 2024 22:31	YP/AJ	Ok
8	P4103-16D	FD048338.D	19 Sep 2024 23:09	YP/AJ	Ok
9	P4103-16MS	FD048339.D	19 Sep 2024 23:47	YP/AJ	Ok
10	P4103-16MSD	FD048340.D	20 Sep 2024 00:25	YP/AJ	Ok
11	P4104-01	FD048341.D	20 Sep 2024 01:03	YP/AJ	Ok
12	P4104-02	FD048342.D	20 Sep 2024 01:41	YP/AJ	Ok
13	P4104-03	FD048343.D	20 Sep 2024 02:19	YP/AJ	Ok
14	P4104-04	FD048344.D	20 Sep 2024 02:56	YP/AJ	Dilution
15	P4104-06	FD048345.D	20 Sep 2024 03:34	YP/AJ	Dilution
16	P4104-07	FD048346.D	20 Sep 2024 04:12	YP/AJ	Dilution
17	I.BLK	FD048347.D	20 Sep 2024 05:27	YP/AJ	Ok
18	20 PPM AROMATIC HC STD	FD048348.D	20 Sep 2024 06:42	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE091024AL

Review By	yogesh	Review On	9/9/2024 4:12:37 PM		
Supervise By	Ankita	Supervise On	9/10/2024 9:04:30 AM		
SubDirectory	FE091024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE049973.D	09 Sep 2024 13:44	YP\AJ	Ok
2	I.BLK	FE049974.D	09 Sep 2024 14:14	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE049975.D	09 Sep 2024 14:45	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE049976.D	09 Sep 2024 15:15	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE049977.D	09 Sep 2024 15:45	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE049978.D	09 Sep 2024 16:16	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE049979.D	09 Sep 2024 16:46	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE049980.D	09 Sep 2024 17:17	YP\AJ	Ok
9	I.BLK	FE049981.D	09 Sep 2024 18:18	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE049982.D	09 Sep 2024 18:48	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE091924AL

Review By	yogesh	Review On	9/19/2024 8:08:43 AM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:02 AM		
SubDirectory	FE091924AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE050198.D	19 Sep 2024 06:02	YP\AJ	Ok
2	I.BLK	FE050199.D	19 Sep 2024 06:32	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE050200.D	19 Sep 2024 07:02	YP\AJ	Ok,M
4	P4098-01DL	FE050201.D	19 Sep 2024 08:01	YP\AJ	Ok,M
5	P4098-02DL	FE050202.D	19 Sep 2024 08:32	YP\AJ	Ok
6	P4098-03DL	FE050203.D	19 Sep 2024 09:02	YP\AJ	Ok
7	P4098-04DL	FE050204.D	19 Sep 2024 09:32	YP\AJ	Ok
8	P4089-01DL	FE050205.D	19 Sep 2024 10:02	YP\AJ	Ok
9	P4090-02DL	FE050206.D	19 Sep 2024 10:32	YP\AJ	Ok,M
10	I.BLK	FE050207.D	19 Sep 2024 11:33	YP\AJ	Ok
11	20 PPM ALIPHATIC HC STD	FE050208.D	19 Sep 2024 12:03	YP\AJ	Ok,M
12	P4088-11	FE050209.D	19 Sep 2024 12:34	YP\AJ	Ok
13	P4088-12	FE050210.D	19 Sep 2024 13:04	YP\AJ	Ok
14	P4088-13	FE050211.D	19 Sep 2024 13:34	YP\AJ	Ok
15	P4088-16	FE050212.D	19 Sep 2024 14:04	YP\AJ	Ok
16	P4088-17	FE050213.D	19 Sep 2024 14:35	YP\AJ	Ok
17	P4088-18	FE050214.D	19 Sep 2024 15:05	YP\AJ	Ok
18	I.BLK	FE050215.D	19 Sep 2024 16:06	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE050216.D	19 Sep 2024 16:36	YP\AJ	Ok,M
20	P4103-01	FE050217.D	19 Sep 2024 21:10	YP\AJ	Dilution
21	P4103-04	FE050218.D	19 Sep 2024 21:40	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE091924AL

Review By	yogesh	Review On	9/19/2024 8:08:43 AM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:02 AM		
SubDirectory	FE091924AL	HP Acquire Method		HP Processing Method	FE091024AL

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	P4103-07	FE050219.D	19 Sep 2024 22:10	YP\AJ	Dilution
23	P4103-10	FE050220.D	19 Sep 2024 22:40	YP\AJ	Dilution
24	P4103-13	FE050221.D	19 Sep 2024 23:11	YP\AJ	Ok
25	P4104-08	FE050222.D	19 Sep 2024 23:41	YP\AJ	Ok
26	P4104-09	FE050223.D	20 Sep 2024 00:11	YP\AJ	Dilution
27	P4104-10	FE050224.D	20 Sep 2024 00:42	YP\AJ	Dilution
28	P4104-11	FE050225.D	20 Sep 2024 01:12	YP\AJ	Dilution
29	P4104-12	FE050226.D	20 Sep 2024 01:42	YP\AJ	Dilution
30	P4104-13	FE050227.D	20 Sep 2024 02:12	YP\AJ	Ok
31	P4104-14	FE050228.D	20 Sep 2024 02:43	YP\AJ	Dilution
32	P4104-15	FE050229.D	20 Sep 2024 03:13	YP\AJ	Dilution
33	I.BLK	FE050230.D	20 Sep 2024 04:13	YP\AJ	Ok
34	20 PPM ALIPHATIC HC STD	FE050231.D	20 Sep 2024 04:44	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE092024AL

Review By	yogesh	Review On	9/20/2024 12:20:44 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:12:59 AM		
SubDirectory	FE092024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE050232.D	20 Sep 2024 06:24	YP\AJ	Ok
2	I.BLK	FE050233.D	20 Sep 2024 06:54	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE050234.D	20 Sep 2024 07:25	YP\AJ	Ok,M
4	P4103-01DL	FE050235.D	20 Sep 2024 09:14	YP\AJ	Dilution
5	P4103-01DL2	FE050236.D	20 Sep 2024 09:44	YP\AJ	Ok
6	P4103-04DL	FE050237.D	20 Sep 2024 10:15	YP\AJ	Ok,M
7	P4103-07DL	FE050238.D	20 Sep 2024 10:45	YP\AJ	Ok
8	P4103-10DL	FE050239.D	20 Sep 2024 11:15	YP\AJ	Dilution
9	P4103-10DL2	FE050240.D	20 Sep 2024 11:46	YP\AJ	Ok,M
10	P4104-09DL	FE050241.D	20 Sep 2024 12:16	YP\AJ	Ok
11	I.BLK	FE050242.D	20 Sep 2024 13:17	YP\AJ	Ok
12	20 PPM ALIPHATIC HC STD	FE050243.D	20 Sep 2024 13:47	YP\AJ	Ok,M
13	P4104-10DL	FE050244.D	20 Sep 2024 14:48	YP\AJ	Dilution
14	P4104-10DL2	FE050245.D	20 Sep 2024 15:18	YP\AJ	Ok,M
15	P4104-11DL	FE050246.D	20 Sep 2024 15:49	YP\AJ	Dilution
16	P4104-11DL2	FE050247.D	20 Sep 2024 16:19	YP\AJ	Ok
17	P4104-12DL	FE050248.D	20 Sep 2024 16:50	YP\AJ	Dilution
18	P4104-12DL2	FE050249.D	20 Sep 2024 17:20	YP\AJ	Ok
19	P4104-14DL	FE050250.D	20 Sep 2024 17:51	YP\AJ	Dilution
20	P4104-14DL2	FE050251.D	20 Sep 2024 18:21	YP\AJ	Ok,M
21	P4104-15DL	FE050252.D	20 Sep 2024 18:52	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE092024AL

Review By	yogesh	Review On	9/20/2024 12:20:44 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:12:59 AM		
SubDirectory	FE092024AL	HP Acquire Method		HP Processing Method	FE091024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FE050253.D	20 Sep 2024 19:53	YP\AJ	Ok
23	20 PPM ALIPHATIC HC STD	FE050254.D	20 Sep 2024 20:23	YP\AJ	Ok,M
24	P4104-16	FE050255.D	20 Sep 2024 21:23	YP\AJ	Ok
25	P4104-17	FE050256.D	20 Sep 2024 21:54	YP\AJ	Ok
26	P4104-18	FE050257.D	20 Sep 2024 22:24	YP\AJ	Dilution
27	P4104-24	FE050258.D	20 Sep 2024 22:55	YP\AJ	Dilution
28	P4104-25	FE050259.D	20 Sep 2024 23:25	YP\AJ	Dilution
29	P4104-26	FE050260.D	20 Sep 2024 23:55	YP\AJ	Dilution
30	P4104-27	FE050261.D	21 Sep 2024 00:26	YP\AJ	Ok
31	P4104-28	FE050262.D	21 Sep 2024 00:56	YP\AJ	Ok
32	P4104-29	FE050263.D	21 Sep 2024 01:27	YP\AJ	Dilution
33	P4104-30	FE050264.D	21 Sep 2024 01:57	YP\AJ	Dilution
34	I.BLK	FE050265.D	21 Sep 2024 02:58	YP\AJ	Ok
35	20 PPM ALIPHATIC HC STD	FE050266.D	21 Sep 2024 03:29	YP\AJ	Ok,M
36	PB163556BL	FE050267.D	21 Sep 2024 05:00	YP\AJ	Ok
37	PB163556BS	FE050268.D	21 Sep 2024 05:30	YP\AJ	Ok,M
38	PB163556BSD	FE050269.D	21 Sep 2024 06:00	YP\AJ	Ok,M
39	P4120-13	FE050270.D	21 Sep 2024 06:31	YP\AJ	ReRun
40	P4125-01	FE050271.D	21 Sep 2024 07:01	YP\AJ	Dilution
41	P4125-02	FE050272.D	21 Sep 2024 07:31	YP\AJ	Dilution
42	P4126-01	FE050273.D	21 Sep 2024 08:01	YP\AJ	Dilution
43	P4126-01D	FE050274.D	21 Sep 2024 08:32	YP\AJ	Ok
44	P4126-01MS	FE050275.D	21 Sep 2024 09:02	YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE092024AL

Review By	yogesh	Review On	9/20/2024 12:20:44 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:12:59 AM		
SubDirectory	FE092024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	

45	P4126-01MSD	FE050276.D	21 Sep 2024 09:32	YP\AJ	Ok,M
46	P4126-02	FE050277.D	21 Sep 2024 10:02	YP\AJ	Dilution
47	I.BLK	FE050278.D	21 Sep 2024 11:02	YP\AJ	Ok
48	20 PPM ALIPHATIC HC STD	FE050279.D	21 Sep 2024 11:33	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG090424AR

Review By	yogesh	Review On	9/4/2024 12:48:03 PM		
Supervise By	Ankita	Supervise On	9/4/2024 3:56:42 PM		
SubDirectory	FG090424AR	HP Acquire Method		HP Processing Method	FG090424AR

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	FG014162.D	04 Sep 2024 07:46	YP\AJ	Ok
2	I.BLK	FG014163.D	04 Sep 2024 08:15	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FG014164.D	04 Sep 2024 08:44	YP\AJ	Ok
4	50 PPM AROMATIC HC STD2	FG014165.D	04 Sep 2024 09:42	YP\AJ	Ok,M
5	20 PPM AROMATIC HC STD3	FG014166.D	04 Sep 2024 10:12	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FG014167.D	04 Sep 2024 10:41	YP\AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FG014168.D	04 Sep 2024 11:12	YP\AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FG014169.D	04 Sep 2024 11:42	YP\AJ	Ok
9	I.BLK	FG014170.D	04 Sep 2024 12:11	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FG014171.D	04 Sep 2024 12:40	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG091924AR

Review By	yogesh	Review On	9/19/2024 4:02:52 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:50:04 AM		
SubDirectory	FG091924AR	HP Acquire Method		HP Processing Method	FG090424AR

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	FG014278.D	19 Sep 2024 12:36	YP\AJ	Ok
2	I.BLK	FG014279.D	19 Sep 2024 13:37	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG014280.D	19 Sep 2024 14:06	YP\AJ	Ok,M
4	P4103-01	FG014281.D	19 Sep 2024 19:58	YP\AJ	Dilution
5	P4103-04	FG014282.D	19 Sep 2024 20:27	YP\AJ	Dilution
6	P4103-07	FG014283.D	19 Sep 2024 20:56	YP\AJ	Dilution
7	P4103-10	FG014284.D	19 Sep 2024 21:25	YP\AJ	Dilution
8	P4103-13	FG014285.D	19 Sep 2024 21:55	YP\AJ	Ok
9	P4104-08	FG014286.D	19 Sep 2024 22:24	YP\AJ	ReRun
10	P4104-09	FG014287.D	19 Sep 2024 22:53	YP\AJ	Dilution
11	P4104-10	FG014288.D	19 Sep 2024 23:22	YP\AJ	Dilution
12	P4104-11	FG014289.D	19 Sep 2024 23:52	YP\AJ	Dilution
13	P4104-12	FG014290.D	20 Sep 2024 00:21	YP\AJ	Dilution
14	P4104-13	FG014291.D	20 Sep 2024 00:50	YP\AJ	Ok
15	P4104-14	FG014292.D	20 Sep 2024 01:19	YP\AJ	Dilution
16	P4104-15	FG014293.D	20 Sep 2024 01:49	YP\AJ	Ok,M
17	I.BLK	FG014294.D	20 Sep 2024 02:47	YP\AJ	Ok
18	20 PPM AROMATIC HC STD	FG014295.D	20 Sep 2024 03:16	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG092024AR

Review By	yogesh	Review On	9/20/2024 12:14:16 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:10:54 AM		
SubDirectory	FG092024AR	HP Acquire Method		HP Processing Method	FG090424AR

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	FG014296.D	20 Sep 2024 07:00	YP\AJ	Ok
2	I.BLK	FG014297.D	20 Sep 2024 07:29	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG014298.D	20 Sep 2024 07:58	YP\AJ	Ok,M
4	P4103-01DL	FG014299.D	20 Sep 2024 10:09	YP\AJ	Ok,M
5	P4103-04DL	FG014300.D	20 Sep 2024 10:38	YP\AJ	Ok,M
6	P4104-08	FG014301.D	20 Sep 2024 11:08	YP\AJ	Ok,M
7	P4103-07DL	FG014302.D	20 Sep 2024 11:37	YP\AJ	Ok,M
8	P4103-10DL	FG014303.D	20 Sep 2024 12:06	YP\AJ	Ok,M
9	P4104-09DL	FG014304.D	20 Sep 2024 12:35	YP\AJ	Ok,M
10	I.BLK	FG014305.D	20 Sep 2024 13:34	YP\AJ	Ok
11	20 PPM AROMATIC HC STD	FG014306.D	20 Sep 2024 14:03	YP\AJ	Ok,M
12	P4104-10DL	FG014307.D	20 Sep 2024 15:01	YP\AJ	Dilution
13	P4104-10DL2	FG014308.D	20 Sep 2024 15:31	YP\AJ	Not Ok
14	P4104-11DL	FG014309.D	20 Sep 2024 16:00	YP\AJ	Ok,M
15	P4104-12DL	FG014310.D	20 Sep 2024 16:29	YP\AJ	Not Ok
16	P4104-12DL	FG014311.D	20 Sep 2024 16:58	YP\AJ	Ok,M
17	P4104-14DL	FG014312.D	20 Sep 2024 17:28	YP\AJ	Dilution
18	P4104-14DL2	FG014313.D	20 Sep 2024 17:57	YP\AJ	Ok,M
19	I.BLK	FG014314.D	20 Sep 2024 18:56	YP\AJ	Ok
20	20 PPM AROMATIC HC STD	FG014315.D	20 Sep 2024 19:25	YP\AJ	Ok,M
21	P4104-16	FG014316.D	20 Sep 2024 20:53	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG092024AR

Review By	yogesh	Review On	9/20/2024 12:14:16 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:10:54 AM		
SubDirectory	FG092024AR	HP Acquire Method		HP Processing Method	FG090424AR

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	

22	P4104-17	FG014317.D	20 Sep 2024 21:22	YP\AJ	Ok
23	P4104-18	FG014318.D	20 Sep 2024 21:51	YP\AJ	Dilution
24	P4104-24	FG014319.D	20 Sep 2024 22:20	YP\AJ	Dilution
25	P4104-25	FG014320.D	20 Sep 2024 22:50	YP\AJ	Dilution
26	P4104-26	FG014321.D	20 Sep 2024 23:19	YP\AJ	Dilution
27	P4104-27	FG014322.D	20 Sep 2024 23:48	YP\AJ	Ok,M
28	P4104-28	FG014323.D	21 Sep 2024 00:18	YP\AJ	ReRun
29	P4104-29	FG014324.D	21 Sep 2024 00:47	YP\AJ	Dilution
30	P4104-30	FG014325.D	21 Sep 2024 01:16	YP\AJ	Dilution
31	I.BLK	FG014326.D	21 Sep 2024 02:15	YP\AJ	Ok
32	20 PPM AROMATIC HC STD	FG014327.D	21 Sep 2024 02:44	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091024AL

Review By	yogesh	Review On	9/10/2024 1:23:26 PM		
Supervise By	Ankita	Supervise On	9/11/2024 11:25:19 AM		
SubDirectory	FC091024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067071.D	09 Sep 2024 08:40		YP/AJ	Ok
2	I.BLK	I.BLK	FC067072.D	09 Sep 2024 09:16		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067073.D	09 Sep 2024 11:08		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067074.D	09 Sep 2024 11:45		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067075.D	09 Sep 2024 12:23		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067076.D	09 Sep 2024 13:02		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067077.D	09 Sep 2024 13:40		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067078.D	09 Sep 2024 14:19		YP/AJ	Ok
9	I.BLK	I.BLK	FC067079.D	09 Sep 2024 14:58		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067080.D	09 Sep 2024 15:37		YP/AJ	Ok
11	PB163237BL	PB163237BL	FC067081.D	09 Sep 2024 16:16		YP/AJ	Ok
12	PB163237BS	PB163237BS	FC067082.D	09 Sep 2024 16:54		YP/AJ	Ok
13	PB163237BSD	PB163237BSD	FC067083.D	09 Sep 2024 17:33		YP/AJ	Ok
14	P3902-03	1	FC067084.D	09 Sep 2024 18:12		YP/AJ	Ok
15	P3902-03MS	1MS	FC067085.D	09 Sep 2024 18:51	FC067084.D	YP/AJ	Ok,M
16	P3902-03MSD	1MSD	FC067086.D	09 Sep 2024 19:29	FC067084.D!FC067085.D	YP/AJ	Ok,M
17	P3902-04	2	FC067087.D	09 Sep 2024 20:08		YP/AJ	Ok
18	I.BLK	I.BLK	FC067088.D	09 Sep 2024 21:25		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091024AL

Review By	yogesh	Review On	9/10/2024 1:23:26 PM		
Supervise By	Ankita	Supervise On	9/11/2024 11:25:19 AM		
SubDirectory	FC091024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067089.D	09 Sep 2024 23:57		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091924AL

Review By	yogesh	Review On	9/19/2024 12:35:28 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:32 AM		
SubDirectory	FC091924AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067166.D	19 Sep 2024 08:57		YP/AJ	Ok
2	I.BLK	I.BLK	FC067167.D	19 Sep 2024 09:35		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067168.D	19 Sep 2024 10:51		YP/AJ	Ok
4	PB163519BL	PB163519BL	FC067169.D	19 Sep 2024 12:19		YP/AJ	Ok
5	PB163519BS	PB163519BS	FC067170.D	19 Sep 2024 12:57		YP/AJ	Ok,M
6	PB163519BSD	PB163519BSD	FC067171.D	19 Sep 2024 13:34		YP/AJ	Ok,M
7	P4088-07	NB-614-COMP-08	FC067172.D	19 Sep 2024 14:12		YP/AJ	Ok
8	P4088-07D	P4088-07D	FC067173.D	19 Sep 2024 14:50		YP/AJ	Ok
9	P4088-07MS	NB-614-COMP-08MS	FC067174.D	19 Sep 2024 15:29	FC067172.D	YP/AJ	Ok,M
10	P4088-07MSD	NB-614-COMP-08MSD	FC067175.D	19 Sep 2024 16:07	FC067172.D!FC067174.D	YP/AJ	Ok,M
11	P4088-10	NB-614-22	FC067176.D	19 Sep 2024 16:46		YP/AJ	Ok
12	I.BLK	I.BLK	FC067177.D	19 Sep 2024 18:03		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067178.D	19 Sep 2024 18:42		YP/AJ	Ok
14	PB163524BL	PB163524BL	FC067179.D	19 Sep 2024 20:37		YP/AJ	Ok
15	PB163524BS	PB163524BS	FC067180.D	19 Sep 2024 21:15		YP/AJ	Ok
16	PB163524BSD	PB163524BSD	FC067181.D	19 Sep 2024 21:53		YP/AJ	Ok
17	P4103-16	WC-23	FC067182.D	19 Sep 2024 22:31	Need 5X diltuion	YP/AJ	Dilution
18	P4103-16D	P4103-16D	FC067183.D	19 Sep 2024 23:09		YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC091924AL

Review By	yogesh	Review On	9/19/2024 12:35:28 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:32 AM		
SubDirectory	FC091924AL	HP Acquire Method		HP Processing Method	FC091024AL

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	P4103-16MS	WC-23MS	FC067184.D	19 Sep 2024 23:47	FC067182.D	YP/AJ	Ok
20	P4103-16MSD	WC-23MSD	FC067185.D	20 Sep 2024 00:25	FC067182.D!FC067184.D	YP/AJ	Ok,M
21	P4104-01	WC-14-5-7.5A-EPH-1	FC067186.D	20 Sep 2024 01:03		YP/AJ	Ok,M
22	P4104-02	WC-14-5-7.5A-EPH-2	FC067187.D	20 Sep 2024 01:41		YP/AJ	Ok
23	P4104-03	WC-14-5-7.5A-EPH-3	FC067188.D	20 Sep 2024 02:19		YP/AJ	Ok
24	P4104-04	WC-14-5-7.5A-EPH-4	FC067189.D	20 Sep 2024 02:56	Need 5X diltuion	YP/AJ	Dilution
25	P4104-06	WC-14-5-7.5B-EPH-1	FC067190.D	20 Sep 2024 03:34	Need 10X dilution	YP/AJ	Dilution
26	P4104-07	WC-14-5-7.5B-EPH-2	FC067191.D	20 Sep 2024 04:12	Need 5X and 20X dilution	YP/AJ	Dilution
27	I.BLK	I.BLK	FC067192.D	20 Sep 2024 05:27		YP/AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067193.D	20 Sep 2024 06:05		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC092024AL

Review By	yogesh	Review On	9/20/2024 12:22:38 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:13:29 AM		
SubDirectory	FC092024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	FC067194.D	20 Sep 2024 07:20		YP/AJ	Ok
2	I.BLK	I.BLK	FC067195.D	20 Sep 2024 07:58		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067196.D	20 Sep 2024 08:35		YP/AJ	Ok
4	P4103-16DL	WC-23DL	FC067197.D	20 Sep 2024 10:03		YP/AJ	Ok
5	P4104-04DL	WC-14-5-7.5A-EPH-4D	FC067198.D	20 Sep 2024 10:41		YP/AJ	Ok,M
6	P4104-06DL	WC-14-5-7.5B-EPH-1D	FC067199.D	20 Sep 2024 11:19		YP/AJ	Ok,M
7	P4104-07DL	WC-14-5-7.5B-EPH-2D	FC067200.D	20 Sep 2024 12:15	need further dilution	YP/AJ	Dilution
8	P4104-07DL2	WC-14-5-7.5B-EPH-2D	FC067201.D	20 Sep 2024 12:53		YP/AJ	Ok,M
9	I.BLK	I.BLK	FC067202.D	20 Sep 2024 14:10		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067203.D	20 Sep 2024 14:50		YP/AJ	Ok
11	PB163557BL	PB163557BL	FC067204.D	20 Sep 2024 16:46		YP/AJ	Ok
12	PB163557BS	PB163557BS	FC067205.D	20 Sep 2024 17:25		YP/AJ	Ok
13	PB163557BSD	PB163557BSD	FC067206.D	20 Sep 2024 18:04		YP/AJ	Ok
14	P4104-19	WC-14-7.5-10B-EPH-4	FC067207.D	20 Sep 2024 18:43		YP/AJ	Ok
15	P4104-19D	P4104-19D	FC067208.D	20 Sep 2024 19:21		YP/AJ	Ok
16	P4104-19MS	WC-14-7.5-10B-EPH-4I	FC067209.D	20 Sep 2024 19:59	FC067207.D	YP/AJ	Ok,M
17	P4104-19MSD	WC-14-7.5-10B-EPH-4I	FC067210.D	20 Sep 2024 20:37	FC067207.D!FC067209.D	YP/AJ	Ok
18	P4104-20	WC-14-7.5-10B-EPH-5	FC067211.D	20 Sep 2024 21:15		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC092024AL

Review By	yogesh	Review On	9/20/2024 12:22:38 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:13:29 AM		
SubDirectory	FC092024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	P4104-21	WC-22A-EPH-1	FC067212.D	20 Sep 2024 21:53	need 5x & 25x dilution	YP/AJ	Dilution
20	P4104-22	WC-22A-EPH-2	FC067213.D	20 Sep 2024 22:32	need 5x & 50x dilution	YP/AJ	Dilution
21	P4104-23	WC-22A-EPH-3	FC067214.D	20 Sep 2024 23:10	need 5x & 50x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FC067215.D	21 Sep 2024 00:29		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067216.D	21 Sep 2024 01:08		YP/AJ	Ok
24	PB163576BL	PB163576BL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
25	PB163576BL	WC-22A-EPH-3BL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
26	PB163576BL	WC-22A-EPH-3BLBL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
27	PB163576BL	WC-22A-EPH-3BLBLBL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
28	PB163576BL	WC-22A-EPH-3BLBLBL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
29	PB163576BL	WC-22A-EPH-3BLBLBL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
30	PB163576BL	WC-22A-EPH-3BLBLBL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
31	PB163576BL	WC-22A-EPH-3BLBLBL	FC067217.D	21 Sep 2024 03:45		YP/AJ	Ok
32	PB163576BS	PB163576BS	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
33	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
34	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
35	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
36	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
37	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC092024AL

Review By	yogesh	Review On	9/20/2024 12:22:38 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:13:29 AM		
SubDirectory	FC092024AL	HP Acquire Method		HP Processing Method	FC091024AL

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	

38	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
39	PB163576BS	WC-22A-EPH-3BLBLBL	FC067218.D	21 Sep 2024 04:24		YP/AJ	Ok
40	PB163576BSD	PB163576BSD	FC067219.D	21 Sep 2024 05:02		YP/AJ	Ok
41	PB163576BSD	WC-22A-EPH-3BLBLBL	FC067219.D	21 Sep 2024 05:02		YP/AJ	Ok
42	PB163576BSD	WC-22A-EPH-3BLBLBL	FC067219.D	21 Sep 2024 05:02		YP/AJ	Ok
43	P4127-03	P4127-03	FC067220.D	21 Sep 2024 05:40		YP/AJ	Ok
44	P4127-04	P4127-04	FC067221.D	21 Sep 2024 06:18	surrogate fail	YP/AJ	ReRun
45	P4127-05	P4127-05	FC067222.D	21 Sep 2024 06:56		YP/AJ	Ok
46	P4127-06	P4127-06	FC067223.D	21 Sep 2024 07:33		YP/AJ	Ok
47	P4127-07	P4127-07	FC067224.D	21 Sep 2024 08:10		YP/AJ	Ok
48	P4127-07MS	P4127-07MS	FC067225.D	21 Sep 2024 08:48		YP/AJ	Ok
49	P4127-07MSD	P4127-07MSD	FC067226.D	21 Sep 2024 09:25		YP/AJ	Ok
50	I.BLK	I.BLK	FC067227.D	21 Sep 2024 10:41		YP/AJ	Ok
51	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067228.D	21 Sep 2024 11:18		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD090624AR

Review By	yogesh	Review On	9/6/2024 2:56:30 PM		
Supervise By	Ankita	Supervise On	9/9/2024 9:31:20 AM		
SubDirectory	FD090624AR	HP Acquire Method		HP Processing Method	FD090624AR

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	FD048276.D	06 Sep 2024 06:20		YP/AJ	Ok
2	I.BLK	I.BLK	FD048277.D	06 Sep 2024 06:55		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048278.D	06 Sep 2024 08:26		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048279.D	06 Sep 2024 09:03		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048280.D	06 Sep 2024 09:40		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048281.D	06 Sep 2024 10:17		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048282.D	06 Sep 2024 10:54		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048283.D	06 Sep 2024 11:32		YP/AJ	Ok,M
9	I.BLK	I.BLK	FD048284.D	06 Sep 2024 12:10		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048285.D	06 Sep 2024 12:47		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD091924AR

Review By	yogesh	Review On	9/20/2024 12:29:36 PM		
Supervise By	Ankita	Supervise On	9/20/2024 2:10:02 PM		
SubDirectory	FD091924AR	HP Acquire Method		HP Processing Method	FD090624AR

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	FD048331.D	19 Sep 2024 08:57		YP/AJ	Ok
2	I.BLK	I.BLK	FD048332.D	19 Sep 2024 15:29		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048333.D	19 Sep 2024 16:07		YP/AJ	Ok,M
4	PB163524BL	PB163524BL	FD048334.D	19 Sep 2024 20:37		YP/AJ	Ok
5	PB163524BS	PB163524BS	FD048335.D	19 Sep 2024 21:15		YP/AJ	Ok
6	PB163524BSD	PB163524BSD	FD048336.D	19 Sep 2024 21:53		YP/AJ	Ok
7	P4103-16	WC-23	FD048337.D	19 Sep 2024 22:31		YP/AJ	Ok
8	P4103-16D	P4103-16D	FD048338.D	19 Sep 2024 23:09		YP/AJ	Ok
9	P4103-16MS	WC-23MS	FD048339.D	19 Sep 2024 23:47	FD048337.D	YP/AJ	Ok
10	P4103-16MSD	WC-23MSD	FD048340.D	20 Sep 2024 00:25	FD048337.D!FD048339.D	YP/AJ	Ok
11	P4104-01	WC-14-5-7.5A-EPH-1	FD048341.D	20 Sep 2024 01:03		YP/AJ	Ok
12	P4104-02	WC-14-5-7.5A-EPH-2	FD048342.D	20 Sep 2024 01:41		YP/AJ	Ok
13	P4104-03	WC-14-5-7.5A-EPH-3	FD048343.D	20 Sep 2024 02:19		YP/AJ	Ok
14	P4104-04	WC-14-5-7.5A-EPH-4	FD048344.D	20 Sep 2024 02:56	Need 2X dilution	YP/AJ	Dilution
15	P4104-06	WC-14-5-7.5B-EPH-1	FD048345.D	20 Sep 2024 03:34	Need 5X dilution	YP/AJ	Dilution
16	P4104-07	WC-14-5-7.5B-EPH-2	FD048346.D	20 Sep 2024 04:12	Need 5X and 10X	YP/AJ	Dilution
17	I.BLK	I.BLK	FD048347.D	20 Sep 2024 05:27		YP/AJ	Ok
18	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048348.D	20 Sep 2024 06:42		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD091924AR

Review By	yogesh	Review On	9/20/2024 12:29:36 PM		
Supervise By	Ankita	Supervise On	9/20/2024 2:10:02 PM		
SubDirectory	FD091924AR	HP Acquire Method		HP Processing Method	FD090624AR

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_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE091024AL

Review By	yogesh	Review On	9/9/2024 4:12:37 PM		
Supervise By	Ankita	Supervise On	9/10/2024 9:04:30 AM		
SubDirectory	FE091024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE049973.D	09 Sep 2024 13:44		YP\AJ	Ok
2	I.BLK	I.BLK	FE049974.D	09 Sep 2024 14:14		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE049975.D	09 Sep 2024 14:45		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE049976.D	09 Sep 2024 15:15		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE049977.D	09 Sep 2024 15:45		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE049978.D	09 Sep 2024 16:16		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE049979.D	09 Sep 2024 16:46		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE049980.D	09 Sep 2024 17:17		YP\AJ	Ok
9	I.BLK	I.BLK	FE049981.D	09 Sep 2024 18:18		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE049982.D	09 Sep 2024 18:48		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE091924AL

Review By	yogesh	Review On	9/19/2024 8:08:43 AM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:02 AM		
SubDirectory	FE091924AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE050198.D	19 Sep 2024 06:02		YP\AJ	Ok
2	I.BLK	I.BLK	FE050199.D	19 Sep 2024 06:32		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050200.D	19 Sep 2024 07:02		YP\AJ	Ok,M
4	P4098-01DL	HR-01-091724DL	FE050201.D	19 Sep 2024 08:01		YP\AJ	Ok,M
5	P4098-02DL	HR-01-091724-E2DL	FE050202.D	19 Sep 2024 08:32		YP\AJ	Ok
6	P4098-03DL	HR-04-091724DL	FE050203.D	19 Sep 2024 09:02		YP\AJ	Ok
7	P4098-04DL	HR-04-091724E-E2DL	FE050204.D	19 Sep 2024 09:32		YP\AJ	Ok
8	P4089-01DL	365-351-294DL	FE050205.D	19 Sep 2024 10:02		YP\AJ	Ok
9	P4090-02DL	TR-05-091724-E2DL	FE050206.D	19 Sep 2024 10:32		YP\AJ	Ok,M
10	I.BLK	I.BLK	FE050207.D	19 Sep 2024 11:33		YP\AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050208.D	19 Sep 2024 12:03		YP\AJ	Ok,M
12	P4088-11	NB-614-23	FE050209.D	19 Sep 2024 12:34		YP\AJ	Ok
13	P4088-12	NB-614-24	FE050210.D	19 Sep 2024 13:04		YP\AJ	Ok
14	P4088-13	NB-614-COMP-09	FE050211.D	19 Sep 2024 13:34		YP\AJ	Ok
15	P4088-16	NB-614-25	FE050212.D	19 Sep 2024 14:04		YP\AJ	Ok
16	P4088-17	NB-614-26	FE050213.D	19 Sep 2024 14:35		YP\AJ	Ok
17	P4088-18	NB-614-27	FE050214.D	19 Sep 2024 15:05		YP\AJ	Ok
18	I.BLK	I.BLK	FE050215.D	19 Sep 2024 16:06		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE091924AL

Review By	yogesh	Review On	9/19/2024 8:08:43 AM		
Supervise By	Ankita	Supervise On	9/20/2024 8:47:02 AM		
SubDirectory	FE091924AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE050216.D	19 Sep 2024 16:36		YP\AJ	Ok,M
20	P4103-01	WC-22A	FE050217.D	19 Sep 2024 21:10	Need 10X,50X	YP\AJ	Dilution
21	P4103-04	WC-14-5-7.5A	FE050218.D	19 Sep 2024 21:40	Need 5X	YP\AJ	Dilution
22	P4103-07	WC-14-5-7.5B	FE050219.D	19 Sep 2024 22:10	Need 5X	YP\AJ	Dilution
23	P4103-10	WC-14-7.5-10A	FE050220.D	19 Sep 2024 22:40	Need 2X,10X	YP\AJ	Dilution
24	P4103-13	WC-14-7.5-10B	FE050221.D	19 Sep 2024 23:11		YP\AJ	Ok
25	P4104-08	WC-14-5-7.5B-EPH-3	FE050222.D	19 Sep 2024 23:41		YP\AJ	Ok
26	P4104-09	WC-14-5-7.5B-EPH-4	FE050223.D	20 Sep 2024 00:11	Need 10X	YP\AJ	Dilution
27	P4104-10	WC-14-5-7.5B-EPH-5	FE050224.D	20 Sep 2024 00:42	Need 5X,50X	YP\AJ	Dilution
28	P4104-11	WC-14-7.5-10A-EPH-1	FE050225.D	20 Sep 2024 01:12	Need 10X,20X	YP\AJ	Dilution
29	P4104-12	WC-14-7.5-10A-EPH-2	FE050226.D	20 Sep 2024 01:42	Need 10X,20X	YP\AJ	Dilution
30	P4104-13	WC-14-7.5-10A-EPH-3	FE050227.D	20 Sep 2024 02:12		YP\AJ	Ok
31	P4104-14	WC-14-7.5-10A-EPH-4	FE050228.D	20 Sep 2024 02:43	Need 10X,100X	YP\AJ	Dilution
32	P4104-15	WC-14-7.5-10A-EPH-5	FE050229.D	20 Sep 2024 03:13	Need 5X	YP\AJ	Dilution
33	I.BLK	I.BLK	FE050230.D	20 Sep 2024 04:13		YP\AJ	Ok
34	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050231.D	20 Sep 2024 04:44		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE092024AL

Review By	yogesh	Review On	9/20/2024 12:20:44 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:12:59 AM		
SubDirectory	FE092024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	FE050232.D	20 Sep 2024 06:24		YP\AJ	Ok
2	I.BLK	I.BLK	FE050233.D	20 Sep 2024 06:54		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050234.D	20 Sep 2024 07:25		YP\AJ	Ok,M
4	P4103-01DL	WC-22ADL	FE050235.D	20 Sep 2024 09:14	Need further dilution	YP\AJ	Dilution
5	P4103-01DL2	WC-22ADL2	FE050236.D	20 Sep 2024 09:44		YP\AJ	Ok
6	P4103-04DL	WC-14-5-7.5ADL	FE050237.D	20 Sep 2024 10:15		YP\AJ	Ok,M
7	P4103-07DL	WC-14-5-7.5BDL	FE050238.D	20 Sep 2024 10:45		YP\AJ	Ok
8	P4103-10DL	WC-14-7.5-10ADL	FE050239.D	20 Sep 2024 11:15	Need further dilution	YP\AJ	Dilution
9	P4103-10DL2	WC-14-7.5-10ADL2	FE050240.D	20 Sep 2024 11:46		YP\AJ	Ok,M
10	P4104-09DL	WC-14-5-7.5B-EPH-4D	FE050241.D	20 Sep 2024 12:16		YP\AJ	Ok
11	I.BLK	I.BLK	FE050242.D	20 Sep 2024 13:17		YP\AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050243.D	20 Sep 2024 13:47		YP\AJ	Ok,M
13	P4104-10DL	WC-14-5-7.5B-EPH-5D	FE050244.D	20 Sep 2024 14:48	Need further dilution	YP\AJ	Dilution
14	P4104-10DL2	WC-14-5-7.5B-EPH-5D	FE050245.D	20 Sep 2024 15:18		YP\AJ	Ok,M
15	P4104-11DL	WC-14-7.5-10A-EPH-1	FE050246.D	20 Sep 2024 15:49	Need further dilution	YP\AJ	Dilution
16	P4104-11DL2	WC-14-7.5-10A-EPH-1	FE050247.D	20 Sep 2024 16:19		YP\AJ	Ok
17	P4104-12DL	WC-14-7.5-10A-EPH-2	FE050248.D	20 Sep 2024 16:50	Need further dilution	YP\AJ	Dilution
18	P4104-12DL2	WC-14-7.5-10A-EPH-2	FE050249.D	20 Sep 2024 17:20		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE092024AL

Review By	yogesh	Review On	9/20/2024 12:20:44 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:12:59 AM		
SubDirectory	FE092024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	P4104-14DL	WC-14-7.5-10A-EPH-4I	FE050250.D	20 Sep 2024 17:51	Need further dilution	YP\AJ	Dilution
20	P4104-14DL2	WC-14-7.5-10A-EPH-4I	FE050251.D	20 Sep 2024 18:21		YP\AJ	Ok,M
21	P4104-15DL	WC-14-7.5-10A-EPH-5I	FE050252.D	20 Sep 2024 18:52		YP\AJ	Ok
22	I.BLK	I.BLK	FE050253.D	20 Sep 2024 19:53		YP\AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050254.D	20 Sep 2024 20:23		YP\AJ	Ok,M
24	P4104-16	WC-14-7.5-10B-EPH-1	FE050255.D	20 Sep 2024 21:23		YP\AJ	Ok
25	P4104-17	WC-14-7.5-10B-EPH-2	FE050256.D	20 Sep 2024 21:54		YP\AJ	Ok
26	P4104-18	WC-14-7.5-10B-EPH-3	FE050257.D	20 Sep 2024 22:24	Need 2X and 20X diltuion	YP\AJ	Dilution
27	P4104-24	WC-22A-EPH-4	FE050258.D	20 Sep 2024 22:55	Need 10X and 50X Dilution	YP\AJ	Dilution
28	P4104-25	WC-22A-EPH-5	FE050259.D	20 Sep 2024 23:25	Need 10X and 25X dilution	YP\AJ	Dilution
29	P4104-26	WC-23-EPH-1	FE050260.D	20 Sep 2024 23:55	Need 10X and 50X Dilution	YP\AJ	Dilution
30	P4104-27	WC-23-EPH-2	FE050261.D	21 Sep 2024 00:26		YP\AJ	Ok
31	P4104-28	WC-23-EPH-3	FE050262.D	21 Sep 2024 00:56		YP\AJ	Ok
32	P4104-29	WC-23-EPH-4	FE050263.D	21 Sep 2024 01:27	Need 2X,10X and 50X dilution	YP\AJ	Dilution
33	P4104-30	WC-23-EPH-5	FE050264.D	21 Sep 2024 01:57	Need 10X dilution	YP\AJ	Dilution
34	I.BLK	I.BLK	FE050265.D	21 Sep 2024 02:58		YP\AJ	Ok
35	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050266.D	21 Sep 2024 03:29		YP\AJ	Ok,M
36	PB163556BL	PB163556BL	FE050267.D	21 Sep 2024 05:00		YP\AJ	Ok
37	PB163556BS	PB163556BS	FE050268.D	21 Sep 2024 05:30		YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE092024AL

Review By	yogesh	Review On	9/20/2024 12:20:44 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:12:59 AM		
SubDirectory	FE092024AL	HP Acquire Method		HP Processing Method	FE091024AL

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	

38	PB163556BSD	PB163556BSD	FE050269.D	21 Sep 2024 06:00		YP\AJ	Ok,M
39	P4120-13	RB24085	FE050270.D	21 Sep 2024 06:31	Surrogate failed	YP\AJ	ReRun
40	P4125-01	PL-01-09192024	FE050271.D	21 Sep 2024 07:01	Need 5X diltuion	YP\AJ	Dilution
41	P4125-02	PL-01-09192024-E2	FE050272.D	21 Sep 2024 07:31	Need 5X diltuion	YP\AJ	Dilution
42	P4126-01	NB-08-09192024	FE050273.D	21 Sep 2024 08:01	Need 5X	YP\AJ	Dilution
43	P4126-01D	P4126-01D	FE050274.D	21 Sep 2024 08:32		YP\AJ	Ok
44	P4126-01MS	NB-08-09192024MS	FE050275.D	21 Sep 2024 09:02	FE050273.D	YP\AJ	Ok,M
45	P4126-01MSD	NB-08-09192024MSD	FE050276.D	21 Sep 2024 09:32	FE050273.D!FE050275.D	YP\AJ	Ok,M
46	P4126-02	NB-08-09192024-E2	FE050277.D	21 Sep 2024 10:02	Need 5X	YP\AJ	Dilution
47	I.BLK	I.BLK	FE050278.D	21 Sep 2024 11:02		YP\AJ	Ok
48	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE050279.D	21 Sep 2024 11:33		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG090424AR

Review By	yogesh	Review On	9/4/2024 12:48:03 PM		
Supervise By	Ankita	Supervise On	9/4/2024 3:56:42 PM		
SubDirectory	FG090424AR	HP Acquire Method		HP Processing Method	FG090424AR

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	FG014162.D	04 Sep 2024 07:46		YP\AJ	Ok
2	I.BLK	I.BLK	FG014163.D	04 Sep 2024 08:15		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FG014164.D	04 Sep 2024 08:44		YP\AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FG014165.D	04 Sep 2024 09:42		YP\AJ	Ok,M
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014166.D	04 Sep 2024 10:12		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FG014167.D	04 Sep 2024 10:41		YP\AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FG014168.D	04 Sep 2024 11:12		YP\AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014169.D	04 Sep 2024 11:42		YP\AJ	Ok
9	I.BLK	I.BLK	FG014170.D	04 Sep 2024 12:11		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014171.D	04 Sep 2024 12:40		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG091924AR

Review By	yogesh	Review On	9/19/2024 4:02:52 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:50:04 AM		
SubDirectory	FG091924AR	HP Acquire Method		HP Processing Method	FG090424AR

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	FG014278.D	19 Sep 2024 12:36		YP\AJ	Ok
2	I.BLK	I.BLK	FG014279.D	19 Sep 2024 13:37		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014280.D	19 Sep 2024 14:06		YP\AJ	Ok,M
4	P4103-01	WC-22A	FG014281.D	19 Sep 2024 19:58	Need 5X dilution	YP\AJ	Dilution
5	P4103-04	WC-14-5-7.5A	FG014282.D	19 Sep 2024 20:27	Need 2X dilution	YP\AJ	Dilution
6	P4103-07	WC-14-5-7.5B	FG014283.D	19 Sep 2024 20:56	Need 5X dilution	YP\AJ	Dilution
7	P4103-10	WC-14-7.5-10A	FG014284.D	19 Sep 2024 21:25	Need 5X dilution	YP\AJ	Dilution
8	P4103-13	WC-14-7.5-10B	FG014285.D	19 Sep 2024 21:55		YP\AJ	Ok
9	P4104-08	WC-14-5-7.5B-EPH-3	FG014286.D	19 Sep 2024 22:24	Surrogate failing	YP\AJ	ReRun
10	P4104-09	WC-14-5-7.5B-EPH-4	FG014287.D	19 Sep 2024 22:53	Need 5X dilution	YP\AJ	Dilution
11	P4104-10	WC-14-5-7.5B-EPH-5	FG014288.D	19 Sep 2024 23:22	Need 2X and 10X	YP\AJ	Dilution
12	P4104-11	WC-14-7.5-10A-EPH-1	FG014289.D	19 Sep 2024 23:52	Need 10X dilution	YP\AJ	Dilution
13	P4104-12	WC-14-7.5-10A-EPH-2	FG014290.D	20 Sep 2024 00:21	Need 2X and 10X	YP\AJ	Dilution
14	P4104-13	WC-14-7.5-10A-EPH-3	FG014291.D	20 Sep 2024 00:50		YP\AJ	Ok
15	P4104-14	WC-14-7.5-10A-EPH-4	FG014292.D	20 Sep 2024 01:19	Need 5X and 20X	YP\AJ	Dilution
16	P4104-15	WC-14-7.5-10A-EPH-5	FG014293.D	20 Sep 2024 01:49		YP\AJ	Ok,M
17	I.BLK	I.BLK	FG014294.D	20 Sep 2024 02:47		YP\AJ	Ok
18	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014295.D	20 Sep 2024 03:16		YP\AJ	Ok,M

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG091924AR

Review By	yogesh	Review On	9/19/2024 4:02:52 PM		
Supervise By	Ankita	Supervise On	9/20/2024 8:50:04 AM		
SubDirectory	FG091924AR	HP Acquire Method		HP Processing Method	FG090424AR

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_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG092024AR

Review By	yogesh	Review On	9/20/2024 12:14:16 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:10:54 AM		
SubDirectory	FG092024AR	HP Acquire Method		HP Processing Method	FG090424AR

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	FG014296.D	20 Sep 2024 07:00		YP\AJ	Ok
2	I.BLK	I.BLK	FG014297.D	20 Sep 2024 07:29		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014298.D	20 Sep 2024 07:58		YP\AJ	Ok,M
4	P4103-01DL	WC-22ADL	FG014299.D	20 Sep 2024 10:09		YP\AJ	Ok,M
5	P4103-04DL	WC-14-5-7.5ADL	FG014300.D	20 Sep 2024 10:38		YP\AJ	Ok,M
6	P4104-08	WC-14-5-7.5B-EPH-3	FG014301.D	20 Sep 2024 11:08		YP\AJ	Ok,M
7	P4103-07DL	WC-14-5-7.5BDL	FG014302.D	20 Sep 2024 11:37		YP\AJ	Ok,M
8	P4103-10DL	WC-14-7.5-10ADL	FG014303.D	20 Sep 2024 12:06		YP\AJ	Ok,M
9	P4104-09DL	WC-14-5-7.5B-EPH-4D	FG014304.D	20 Sep 2024 12:35		YP\AJ	Ok,M
10	I.BLK	I.BLK	FG014305.D	20 Sep 2024 13:34		YP\AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014306.D	20 Sep 2024 14:03		YP\AJ	Ok,M
12	P4104-10DL	WC-14-5-7.5B-EPH-5D	FG014307.D	20 Sep 2024 15:01	need further dilution	YP\AJ	Dilution
13	P4104-10DL2	WC-14-5-7.5B-EPH-5D	FG014308.D	20 Sep 2024 15:31	need further dilution 20x not required	YP\AJ	Not Ok
14	P4104-11DL	WC-14-7.5-10A-EPH-1	FG014309.D	20 Sep 2024 16:00		YP\AJ	Ok,M
15	P4104-12DL	WC-14-7.5-10A-EPH-2	FG014310.D	20 Sep 2024 16:29	not required	YP\AJ	Not Ok
16	P4104-12DL	WC-14-7.5-10A-EPH-2	FG014311.D	20 Sep 2024 16:58		YP\AJ	Ok,M
17	P4104-14DL	WC-14-7.5-10A-EPH-4	FG014312.D	20 Sep 2024 17:28	need further dilution	YP\AJ	Dilution

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG092024AR

Review By	yogesh	Review On	9/20/2024 12:14:16 PM		
Supervise By	Ankita	Supervise On	9/23/2024 10:10:54 AM		
SubDirectory	FG092024AR	HP Acquire Method		HP Processing Method	FG090424AR

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	

18	P4104-14DL2	WC-14-7.5-10A-EPH-4I	FG014313.D	20 Sep 2024 17:57		YP\AJ	Ok,M
19	I.BLK	I.BLK	FG014314.D	20 Sep 2024 18:56		YP\AJ	Ok
20	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014315.D	20 Sep 2024 19:25		YP\AJ	Ok,M
21	P4104-16	WC-14-7.5-10B-EPH-1	FG014316.D	20 Sep 2024 20:53		YP\AJ	Ok
22	P4104-17	WC-14-7.5-10B-EPH-2	FG014317.D	20 Sep 2024 21:22		YP\AJ	Ok
23	P4104-18	WC-14-7.5-10B-EPH-3	FG014318.D	20 Sep 2024 21:51	need 5x dilution	YP\AJ	Dilution
24	P4104-24	WC-22A-EPH-4	FG014319.D	20 Sep 2024 22:20	need 5x dilution	YP\AJ	Dilution
25	P4104-25	WC-22A-EPH-5	FG014320.D	20 Sep 2024 22:50	need 5x dilution	YP\AJ	Dilution
26	P4104-26	WC-23-EPH-1	FG014321.D	20 Sep 2024 23:19	need 20x dilution	YP\AJ	Dilution
27	P4104-27	WC-23-EPH-2	FG014322.D	20 Sep 2024 23:48		YP\AJ	Ok,M
28	P4104-28	WC-23-EPH-3	FG014323.D	21 Sep 2024 00:18	surrogate fail	YP\AJ	ReRun
29	P4104-29	WC-23-EPH-4	FG014324.D	21 Sep 2024 00:47	need 20x dilution	YP\AJ	Dilution
30	P4104-30	WC-23-EPH-5	FG014325.D	21 Sep 2024 01:16	need 5x dilution	YP\AJ	Dilution
31	I.BLK	I.BLK	FG014326.D	21 Sep 2024 02:15		YP\AJ	Ok
32	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG014327.D	21 Sep 2024 02:44		YP\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 9/20/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 09/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB132510

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
P4024-01	DDCD5	1	1.12	8.67	9.79	8.58	86.0	
P4024-02	DDCD5MS	2	1.12	8.67	9.79	8.58	86.0	
P4024-03	DDCD5MSD	3	1.12	8.67	9.79	8.58	86.0	
P4024-04	VHBLK001	4	1.00	1.00	2.00	2.00	100.0	vhblk
P4024-05	DDC36	5	1.16	8.40	9.56	7.77	78.7	
P4024-06	DDCL2	6	1.15	8.66	9.81	8.33	82.9	
P4103-01	WC-22A	7	1.18	8.49	9.67	9.05	92.7	
P4103-04	WC-14-5-7.5A	8	1.15	8.76	9.91	9.02	89.8	
P4103-07	WC-14-5-7.5B	9	1.14	8.83	9.97	9.1	90.1	
P4103-10	WC-14-7.5-10A	10	1.18	8.75	9.93	8.66	85.5	
P4103-13	WC-14-7.5-10B	11	1.14	8.42	9.56	8.56	88.1	
P4103-16	WC-23	12	1.15	8.73	9.88	8.66	86.0	
P4104-01	WC-14-5-7.5A-EPH-1	13	1.19	8.72	9.91	9.1	90.7	
P4104-02	WC-14-5-7.5A-EPH-2	14	1.17	8.61	9.78	8.95	90.4	
P4104-03	WC-14-5-7.5A-EPH-3	15	1.15	8.40	9.55	8.84	91.5	
P4104-04	WC-14-5-7.5A-EPH-4	16	1.12	8.84	9.96	8.48	83.3	
P4104-06	WC-14-5-7.5B-EPH-1	17	1.18	8.77	9.95	9.05	89.7	
P4104-07	WC-14-5-7.5B-EPH-2	18	1.15	8.62	9.77	8.87	89.6	
P4104-08	WC-14-5-7.5B-EPH-3	19	1.13	8.70	9.83	8.85	88.7	
P4104-09	WC-14-5-7.5B-EPH-4	20	1.15	8.82	9.97	8.91	88.0	
P4104-10	WC-14-5-7.5B-EPH-5	21	1.15	8.83	9.98	9.00	88.9	
P4104-11	WC-14-7.5-10A-EPH-1	22	1.15	8.80	9.95	9.19	91.4	
P4104-12	WC-14-7.5-10A-EPH-2	23	1.15	8.76	9.91	8.66	85.7	
P4104-13	WC-14-7.5-10A-EPH-3	24	1.15	8.81	9.96	9.12	90.5	
P4104-14	WC-14-7.5-10A-EPH-4	25	1.19	8.65	9.84	8.8	88.0	
P4104-15	WC-14-7.5-10A-EPH-5	26	1.15	8.41	9.56	8.7	89.8	
P4104-16	WC-14-7.5-10B-EPH-1	27	1.18	8.64	9.82	8.66	86.6	
P4104-17	WC-14-7.5-10B-EPH-2	28	1.15	8.83	9.98	8.75	86.1	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 9/20/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 09/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB132510

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
P4104-18	WC-14-7.5-10B-EPH-3	29	1.15	8.82	9.97	8.93	88.2	
P4104-19	WC-14-7.5-10B-EPH-4	30	1.19	8.57	9.76	8.76	88.3	
P4104-20	WC-14-7.5-10B-EPH-5	31	1.16	8.61	9.77	8.81	88.9	
P4104-21	WC-22A-EPH-1	32	1.15	8.81	9.96	9.44	94.1	
P4104-22	WC-22A-EPH-2	33	1.18	8.50	9.68	8.41	85.1	
P4104-23	WC-22A-EPH-3	34	1.12	8.66	9.78	9.21	93.4	
P4104-24	WC-22A-EPH-4	35	1.16	8.67	9.83	9.2	92.7	
P4104-25	WC-22A-EPH-5	36	1.16	8.70	9.86	9.24	92.9	
P4104-26	WC-23-EPH-1	37	1.17	8.56	9.73	8.72	88.2	
P4104-27	WC-23-EPH-2	38	1.15	8.83	9.98	9.00	88.9	
P4104-28	WC-23-EPH-3	39	1.15	8.81	9.96	8.65	85.1	
P4104-29	WC-23-EPH-4	40	1.15	8.37	9.52	8.56	88.5	
P4104-30	WC-23-EPH-5	41	1.16	8.61	9.77	8.63	86.8	
P4117-01	MOO-SOIL-PILE	42	1.18	8.68	9.86	8.86	88.5	
P4119-01	TRANSFOMER-OIL	43	1.00	1.00	2.00	2.00	100.0	oil sample
P4119-03	OILY-DEBRIS	44	1.00	1.00	2.00	2.00	100.0	oily-debris
P4120-01	T1	45	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-03	T2	46	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-05	SF-6-A	47	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-07	SF-6-B	48	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-09	COMP-1	49	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-11	COMP-2	50	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4120-13	RB24085	51	1.13	8.82	9.95	4.23	35.1	GEL MARTIX
P4121-01	COMP-1	52	1.13	8.51	9.64	7.12	70.4	
P4121-02	COMP-2	53	1.00	1.00	2.00	2.00	100.0	debris
P4121-03	ELZ-24-00090	54	1.00	1.00	2.00	2.00	100.0	oil sample
P4122-01	FDH013Y-1-1	55	1.00	1.00	2.00	2.00	100.0	pilc
P4122-02	FDH013Y-1-2	56	1.00	1.00	2.00	2.00	100.0	pilc

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 9/20/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 09/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 09/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB132510

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
P4122-03	FDH013Y-2-1	57	1.00	1.00	2.00	2.00	100.0	pilc
P4122-04	FDH013Y-2-2	58	1.00	1.00	2.00	2.00	100.0	pilc
P4123-01	910-B	59	1.13	8.80	9.93	6.38	59.7	
P4123-02	613-D	60	1.00	1.00	2.00	2.00	100.0	debris
P4124-01	2049	61	1.00	1.00	2.00	2.00	100.0	wipe sample
P4124-02	2050	62	1.00	1.00	2.00	2.00	100.0	wipe sample
P4125-01	PL-01-09192024	63	1.15	8.68	9.83	9.53	96.5	
P4125-02	PL-01-09192024-E2	64	1.16	8.44	9.6	9.36	97.2	
P4126-01	NB-08-09192024	65	1.18	8.52	9.7	9.37	96.1	
P4126-02	NB-08-09192024-E2	66	1.11	8.85	9.96	9.27	92.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

132510

WorkList Name : %1-091924 **WorkList ID :** 183634 **Department :** Wet-Chemistry **Date :** 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4024-01	DDCD5	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/09/2024	Chemtech -SO
P4024-02	DDCD5MS	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/09/2024	Chemtech -SO
P4024-03	DDCD5MSD	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/09/2024	Chemtech -SO
P4024-04	VHBLK001	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/14/2024	Chemtech -SO
P4024-05	DDC36	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/06/2024	Chemtech -SO
P4024-06	DDCL2	Solid	Percent Solids	Cool 4 deg C	USEP04	VS-1	09/10/2024	Chemtech -SO
P4103-01	WC-22A	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-04	WC-14-5-7.5A	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-07	WC-14-5-7.5B	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-10	WC-14-7.5-10A	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-13	WC-14-7.5-10B	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4103-16	WC-23	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-01	WC-14-5-7.5A-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-02	WC-14-5-7.5A-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-03	WC-14-5-7.5A-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-04	WC-14-5-7.5A-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-06	WC-14-5-7.5B-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-07	WC-14-5-7.5B-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-08	WC-14-5-7.5B-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-09	WC-14-5-7.5B-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-10	WC-14-5-7.5B-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO

Date/Time 09-19-24 15:30

Raw Sample Received by: JD GeoC,

Raw Sample Relinquished by: T-C (Son)

Date/Time 09-19-24 17:25

Raw Sample Received by: T-C (Son)

Raw Sample Relinquished by: JD GeoC,

WORKLIST(Hardcopy Internal Chain)

VB132510

WorkList Name : %1-091924 **WorkList ID :** 183634 **Department :** Wet-Chemistry **Date :** 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4104-11	WC-14-7.5-10A-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-12	WC-14-7.5-10A-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-13	WC-14-7.5-10A-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-14	WC-14-7.5-10A-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-15	WC-14-7.5-10A-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-16	WC-14-7.5-10B-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-17	WC-14-7.5-10B-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-18	WC-14-7.5-10B-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-19	WC-14-7.5-10B-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-20	WC-14-7.5-10B-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-21	WC-22A-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-22	WC-22A-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-23	WC-22A-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-24	WC-22A-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-25	WC-22A-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-26	WC-23-EPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-27	WC-23-EPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-28	WC-23-EPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-29	WC-23-EPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4104-30	WC-23-EPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	J11	09/17/2024	Chemtech -SO
P4117-01	MOO-SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/23/2024	Chemtech -SO

Date/Time 09-19-24 15:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 09.19.24 17:25

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VB 132510

WorkList Name : %1-091924 **WorkList ID :** 183634 **Department :** Wet-Chemistry **Date :** 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4119-01	TRANSFOMER-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/19/2024	Chemtech -SO
P4119-03	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/19/2024	Chemtech -SO
P4120-01	T1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-03	T2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-05	SF-6-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-07	SF-6-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-09	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-11	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4120-13	RB24085	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4121-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4121-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4121-03	ELZ-24-00090	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-01	FDH013Y-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-02	FDH013Y-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-03	FDH013Y-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4122-04	FDH013Y-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/19/2024	Chemtech -SO
P4123-01	910-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4123-02	613-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4124-01	2049	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4124-02	2050	Solid	Percent Solids	Cool 4 deg C	PSEG03	J21	09/19/2024	Chemtech -SO
P4125-01	PL-01-09192024	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO

Date/Time 09-19-24 1530

Raw Sample Received by: SO CWC

Raw Sample Relinquished by: R.C Sm

Date/Time 09-19-24 1725

Raw Sample Received by: R.C Sm

Raw Sample Relinquished by: SO CWC

WORKLIST(Hardcopy Internal Chain)

NB 132510

WorkList Name : %1-091924 **WorkList ID :** 183634 **Department :** Wet-Chemistry **Date :** 09-19-2024 08:44:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4125-02	PL-01-09192024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO
P4126-01	NB-08-09192024	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO
P4126-02	NB-08-09192024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J21	09/19/2024	Chemtech -SO

Date/Time 09-19-24 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 09-19-24 17:25

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB163524

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	09/19/2024
Matrix :	Solid			**Extraction Start Time :**	12:25
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	09/19/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	19:25
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP23639
Surrogate	1.0ML	100 PPM	PP23637
Fractionation Surrogate	1.0ML	100 PPM	PP23667
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	EP2540
Sand	N/A	E2865
Hexane	N/A	E3792
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/19/24	RJ (Ext. Lab)	Y-P-pest-IP4B.
19:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163524

Analytical Method: MNJDEP-EPH-7

Concentration Date: 09/19/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163524BL	PB163524BL	EPH	30.02	N/A	ritesh	Evelyn	2			U4-1
PB163524BS	PB163524BS	EPH	30.01	N/A	ritesh	Evelyn	2			2
PB163524BSD	PB163524BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
P4103-01	WC-22A	EPH	30.04	N/A	ritesh	Evelyn	2	E		4
P4103-04	WC-14-5-7.5A	EPH	30.02	N/A	ritesh	Evelyn	2	E		5
P4103-07	WC-14-5-7.5B	EPH	30.06	N/A	ritesh	Evelyn	2	E		6
P4103-10	WC-14-7.5-10A	EPH	30.10	N/A	ritesh	Evelyn	2	E		U5-1
P4103-13	WC-14-7.5-10B	EPH	30.05	N/A	ritesh	Evelyn	2	E		2
P4103-16	WC-23	EPH	30.03	N/A	ritesh	Evelyn	2	E		3
P4103-16DUP	WC-23DUP	EPH	30.01	N/A	ritesh	Evelyn	2	E		4
P4103-16MS	WC-23MS	EPH	30.06	N/A	ritesh	Evelyn	2	E		5
P4103-16MSD	WC-23MSD	EPH	30.09	N/A	ritesh	Evelyn	2	E		6
P4104-01	WC-14-5-7.5A-EPH-1	EPH	30.02	N/A	ritesh	Evelyn	2			U6-1
P4104-02	WC-14-5-7.5A-EPH-2	EPH	30.07	N/A	ritesh	Evelyn	2			2
P4104-03	WC-14-5-7.5A-EPH-3	EPH	30.08	N/A	ritesh	Evelyn	2			3
P4104-04	WC-14-5-7.5A-EPH-4	EPH	30.03	N/A	ritesh	Evelyn	2			4
P4104-06	WC-14-5-7.5B-EPH-1	EPH	30.05	N/A	ritesh	Evelyn	2			5
P4104-07	WC-14-5-7.5B-EPH-2	EPH	30.09	N/A	ritesh	Evelyn	2			6
P4104-08	WC-14-5-7.5B-EPH-3	EPH	30.04	N/A	ritesh	Evelyn	2			U7-1
P4104-09	WC-14-5-7.5B-EPH-4	EPH	30.10	N/A	ritesh	Evelyn	2			2
P4104-10	WC-14-5-7.5B-EPH-5	EPH	30.02	N/A	ritesh	Evelyn	2			3
P4104-11	WC-14-7.5-10A-EPH-1	EPH	30.09	N/A	ritesh	Evelyn	2			4
P4104-12	WC-14-7.5-10A-EPH-2	EPH	30.06	N/A	ritesh	Evelyn	2			5
P4104-13	WC-14-7.5-10A-EPH-3	EPH	30.03	N/A	ritesh	Evelyn	2			6
P4104-14	WC-14-7.5-10A-EPH-4	EPH	30.07	N/A	ritesh	Evelyn	2			U1-1
P4104-15	WC-14-7.5-10A-EPH-5	EPH	30.05	N/A	ritesh	Evelyn	2			2

* **Extracts relinguished on the same date as received.**

9/19/24

12125
163524

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4103N **WorkList ID :** 183641 **Department :** Extraction **Date :** 09-19-2024 11:03:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4103-01	WC-22A	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4103-04	WC-14-5-7.5A	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4103-07	WC-14-5-7.5B	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4103-10	WC-14-7.5-10A	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4103-13	WC-14-7.5-10B	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4103-16	WC-23	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-01	WC-14-5-7.5A-EPH-1	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-02	WC-14-5-7.5A-EPH-2	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-03	WC-14-5-7.5A-EPH-3	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-04	WC-14-5-7.5A-EPH-4	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-06	WC-14-5-7.5B-EPH-1	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-07	WC-14-5-7.5B-EPH-2	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-08	WC-14-5-7.5B-EPH-3	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-09	WC-14-5-7.5B-EPH-4	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-10	WC-14-5-7.5B-EPH-5	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-11	WC-14-7.5-10A-EPH-1	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-12	WC-14-7.5-10A-EPH-2	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-13	WC-14-7.5-10A-EPH-3	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-14	WC-14-7.5-10A-EPH-4	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH
P4104-15	WC-14-7.5-10A-EPH-5	Solid	EPH	Cool 4 deg C	ENTA05	J11	09/17/2024	NJEPH

Date/Time 09/19/24 12:15
Raw Sample Received by: RJ (Enviro Lab)
Raw Sample Relinquished by:

Date/Time 09/19/24 13:00
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Enviro Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : P4103

Test : EPH

Prepbatch ID : PB163524,

Sequence ID/Qc Batch ID: FC091924AL,FC092024AL,FD091924AR,FE091924AL,FE092024AL,FG091924AR,FG092024AR,

Standard ID :
EP2538,EP2540,PP23429,PP23430,PP23519,PP23520,PP23521,PP23522,PP23523,PP23637,PP23639,PP23644,PP23645,PP23646,PP23647,PP23648,PP23649,PP23650,PP23667,

Chemical ID :
E2865,E3551,E3743,E3757,E3768,E3788,E3789,E3792,E3793,E3794,P10259,P 11137,P12362,P12963,P12966,P12969,P12970,P12972,P13004,P13005,P13013,P13014,P13015,P13016,P13017,P13258,P13259,P13265,P13278,P13417,P13418,P13419,P13420,P13421,P13422,P13425,P13426,P13428,P13429,P13437,P13438,P13439,P13440,P13441,P13443,P13445,P13446,P13449,P13450,P13457,P13458,P13470,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3868	METHELENE CHLORIDE+ACETONE	EP2538	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 8000.00000ml of E3793 + 8000.00000ml of E3794 = Final Quantity: 1600.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2540	09/17/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 09/17/2024

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
1339	100 PPM NJEPH Surrogate Spike	PP23637	08/30/2024	02/13/2025	Abdul Mirza	None	None	Ankita Jodhani 09/04/2024

FROM 1.25000ml of P12963 + 1.25000ml of P12966 + 1.25000ml of P12969 + 1.25000ml of P12970 + 1.25000ml of P13013 + 1.25000ml of P13014 + 1.25000ml of P13015 + 1.25000ml of P13016 + 490.00000ml of E3788 = Final Quantity: 500.000 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	PP23639	09/06/2024	03/06/2025	Yogesh Patel	None	None	Ankita Jodhani 09/10/2024

FROM 5.00000ml of P13417 + 5.00000ml of P13418 + 5.00000ml of P13419 + 5.00000ml of P13420 + 5.00000ml of P13421 + 5.00000ml of P13422 + 5.00000ml of P13425 + 5.00000ml of P13426 + 5.00000ml of P13428 + 5.00000ml of P13429 + 5.00000ml of P13437 + 5.00000ml of P13438 + 5.00000ml of P13439 + 5.00000ml of P13440 + 5.00000ml of P13441 + 5.00000ml of P13443 + 5.00000ml of P13445 + 5.00000ml of P13446 + 5.00000ml of P13449 + 5.00000ml of P13450 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
781	100 PPM Aliphatic HC Working STD (Restek)	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
1331	100 PPM NJEPH Fractionating Surrogate	PP23667	09/16/2024	03/11/2025	Yogesh Patel	None	None	Ankita Jodhani 09/16/2024

FROM 1.25000ml of P13265 + 1.25000ml of P13457 + 1.25000ml of P13458 + 1.25000ml of P13470 + 195.00000ml of E3792 = Final Quantity: 200.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24C0162011	11/16/2024	05/16/2024 / Rajesh	04/26/2024 / Rajesh	E3743

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	SI500025-30 / Cleanert SPE Silica, 5000 mg/25 ml	Z0513CK1	03/04/2025	09/04/2024 / Rajesh	04/03/2024 / Rajesh	E3757

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/17/2025	09/17/2024 / Rajesh	09/03/2024 / Rajesh	E3794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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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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	02/28/2025	08/30/2024 / Abdul	12/20/2023 / Yogesh	P12963

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	02/28/2025	08/30/2024 / Abdul	12/20/2023 / Yogesh	P12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	02/28/2025	08/30/2024 / Abdul	12/20/2023 / Yogesh	P12969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	02/28/2025	08/30/2024 / Abdul	12/20/2023 / Yogesh	P12970

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

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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	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	02/28/2025	08/30/2024 / Abdul	12/21/2023 / Yogesh	P13013

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	02/28/2025	08/30/2024 / Abdul	12/21/2023 / Yogesh	P13014

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	02/28/2025	08/30/2024 / Abdul	12/21/2023 / Yogesh	P13015

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	02/28/2025	08/30/2024 / Abdul	12/21/2023 / Yogesh	P13016

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	03/09/2025	09/09/2024 / yogesh	12/21/2023 / Yogesh	P13017

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0206496	03/16/2025	09/16/2024 / yogesh	02/20/2024 / yogesh	P13265

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13417

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0207239	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13418

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13419

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13420

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13421

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13422

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13425

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0207239	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13426

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13428

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	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13429

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13437

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13438

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13439

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13440

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13441

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13445

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13449

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0211254	03/06/2025	09/06/2024 / yogesh	07/16/2024 / Yogesh	P13450

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	03/16/2025	09/16/2024 / yogesh	07/23/2024 / yogesh	P13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	03/16/2025	09/16/2024 / yogesh	07/23/2024 / yogesh	P13458

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0210831	03/16/2025	09/16/2024 / yogesh	07/23/2024 / yogesh	P13470

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)

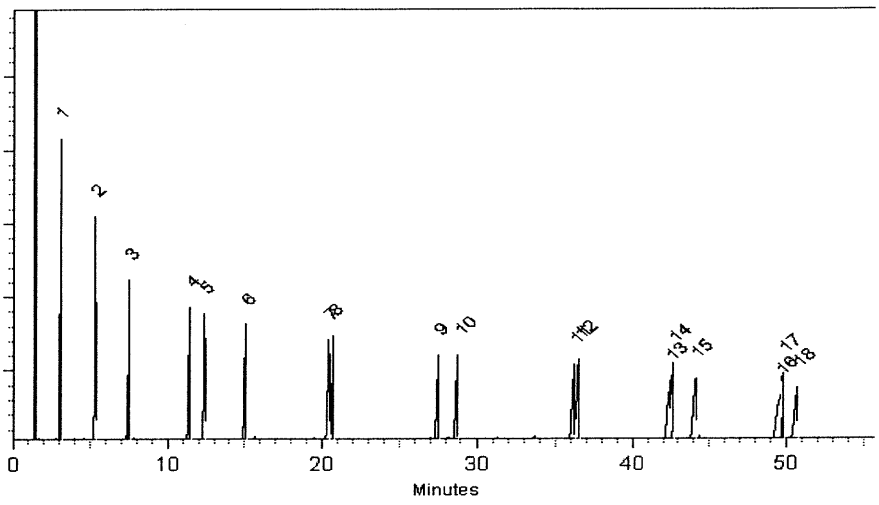
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Cleanert EPH
5g/25ml 15/pkg
固相萃取产品
LOT#:Z0513CK1
MFG#:F04005
Made in China
CAT# SI500025-30
Agela Technologies
E3757

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.B

Material No.: 926
Batch No.: 24C186
Manufactured Date: 2024-0
Expiration Date: 2025-0
Revision N

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E3789

JCroak

Jamie Croak
Director Quality Operations, Bioscience Product

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as 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 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95709
Lot Number: 060420
Description: NJ EPH Aromatic Hydrocarbons
18 components
Expiration Date: 060425
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 23060

Solvent(s):	Lot#
Methylene chloride	104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 500.0 0.058 Flask Uncertainty

Formulated By: Benson Chan	060420 DATE
Reviewed By: Pedro L. Rentas	060420 DATE

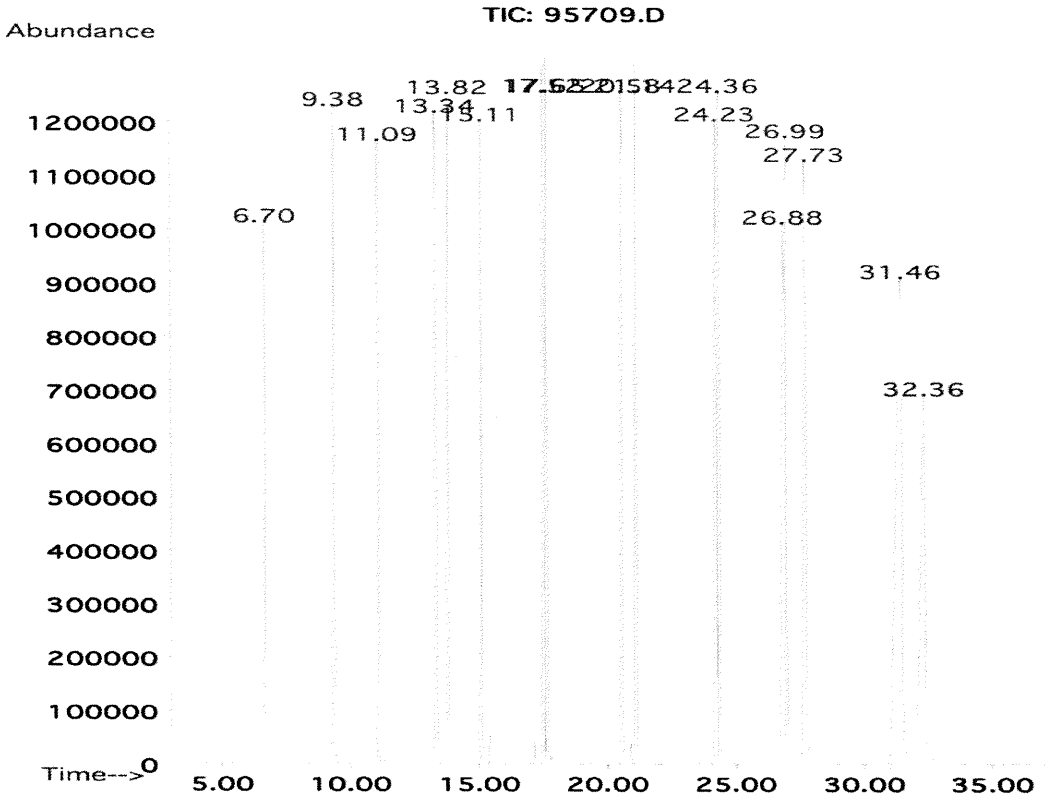
	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acenaphthene	1	MKBJ4871V	2000	99	0.2	1.01003	1.01010	2000.1	8.1	83-32-9	N/A	ipr-rat 600mg/kg
2.	Acenaphthylene	3	012014	2000	98	0.2	1.02033	1.02053	2000.4	8.2	208-96-8	N/A	N/A
3.	Anthracene	13	A0210580	2000	99	0.2	1.01003	1.01009	2000.1	8.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
4.	Benzo(a)anthracene	28	JY2TD-JT	2000	98	0.2	1.02033	1.02051	2000.3	8.2	56-55-3	N/A	N/A
5.	Benzo(a)pyrene	30	012012	2000	99.5	0.2	1.00495	1.00511	2000.3	8.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
6.	Benzo(b)fluoranthene	31	012012b	2000	99	0.2	1.01003	1.01012	2000.2	8.1	205-99-2	N/A	N/A
7.	Benzo(k)fluoranthene	33	012012k	2000	99	0.2	1.01003	1.01018	2000.3	8.1	207-08-9	N/A	N/A
8.	Benzo(g,h,i)perylene	32	012018	2000	99	0.2	1.01003	1.01019	2000.3	8.1	191-24-2	N/A	N/A
9.	Chrysene	91	012015	2000	98	0.2	1.02033	1.02040	2000.1	8.2	218-01-9	0.2mg/m3	N/A
10.	Dibenzo(a,h)anthracene	112	012011	2000	98	0.2	1.02033	1.02050	2000.3	8.2	53-70-3	0.2mg/m3	N/A
11.	Fluoranthene	183	04221PV	2000	98	0.2	1.02033	1.02050	2000.3	8.2	206-44-0	N/A	orl-rat 2000mg/kg
12.	Fluorene	184	07211MV	2000	98	0.2	1.02033	1.02047	2000.3	8.2	86-73-7	N/A	ipr-mus 2 g/kg
13.	Indeno(1,2,3-cd)pyrene	202	012014	2000	99.9	0.2	1.00093	1.00119	2000.5	8.0	193-39-5	N/A	N/A
14.	2-Methylnaphthalene	214	MKBF3783V	2000	97	0.2	1.03085	1.03090	2000.1	8.3	91-57-6	N/A	orl-rat 1630mg/kg
15.	Naphthalene	222	MKBZ8680V	2000	100	0.2	0.99993	0.99999	2000.1	8.0	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
16.	Phenanthrene	248	03410PV	2000	99	0.2	1.01003	1.01030	2000.5	8.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
17.	Pyrene	259	010197	2000	98	0.2	1.02033	1.02042	2000.2	8.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg
18.	1,2,3-Trimethylbenzene	944	031097	2000	99	0.2	1.01003	1.01025	2000.4	8.1	526-73-8	N/A	N/A

P11137
&
P11141

AR 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC8MSD-2.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



Peak No.	Name	MSD RT (min.)
1	1,2,3-Trimethylbenzene	6.70
2	Naphthalene	9.38
3	2-Methylnaphthalene	11.09
4	Acenaphthylene	13.34
5	Acenaphthene	13.82
6	Fluorene	15.11
7	Phenanthrene	17.52
8	Anthracene	17.65
9	Fluoranthene	20.58
10	Pyrene	21.14
11	Chrysene	24.23
12	Benzo(a)anthracene	24.36
13	Benzo(b)fluoranthene/Benzo(k)fluoranthene	26.98
14	Benzo(a)pyrene	27.73
15	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.46
16	Benzo(g,h,i)perylene	32.36

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Certificate #3222.01

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P12361 ↓ P12370 } Y.P. 03/16/23

Catalog No. : 30540 **Lot No.:** A0190424

Description : NJEPH Aliphatics Calibration Standard

Aliphatics Calibration Standard 2000µg/mL, Hexane/Carbon Disulfide (80:20), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) **CAS #** 111-84-2 (Lot SHBN5361) **Purity** 99%	2,014.0 µg/mL	+/- 11.8193 µg/mL +/- 50.0027 µg/mL +/- 59.9491 µg/mL	Gravimetric Unstressed Stressed
2	n-Decane (C10) **CAS #** 124-18-5 (Lot SHBN8619) **Purity** 99%	2,014.7 µg/mL	+/- 11.8232 µg/mL +/- 50.0193 µg/mL +/- 59.9689 µg/mL	Gravimetric Unstressed Stressed
3	Naphthalene **CAS #** 91-20-3 (Lot MKCH0219) **Purity** 99%	2,015.3 µg/mL	+/- 11.8271 µg/mL +/- 50.0358 µg/mL +/- 59.9888 µg/mL	Gravimetric Unstressed Stressed
4	n-Dodecane (C12) **CAS #** 112-40-3 (Lot SHBN7174) **Purity** 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL +/- 49.8538 µg/mL +/- 59.7705 µg/mL	Gravimetric Unstressed Stressed
5	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBK0259) **Purity** 96%	2,007.0 µg/mL	+/- 11.7784 µg/mL +/- 49.8299 µg/mL +/- 59.7419 µg/mL	Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) **CAS #** 629-59-4 (Lot STBK2282) **Purity** 99%	2,016.7 µg/mL	+/- 11.8349 µg/mL +/- 50.0689 µg/mL +/- 60.0284 µg/mL	Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) **CAS #** 544-76-3 (Lot SHBM4146) **Purity** 98%	2,014.9 µg/mL	+/- 11.8244 µg/mL +/- 50.0246 µg/mL +/- 59.9753 µg/mL	Gravimetric Unstressed Stressed

8	n-Octadecane (C18) **CAS #** 593-45-3 **Purity** 97%	(Lot VZKOJ)	2,004.7	µg/mL	+/- 11.7645 +/- 49.7710 +/- 59.6712	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	n-Eicosane (C20) **CAS #** 112-95-8 **Purity** 99%	(Lot MKCF7888)	2,018.0	µg/mL	+/- 11.8428 +/- 50.1020 +/- 60.0681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Heneicosane (C21) **CAS #** 629-94-7 **Purity** 99%	(Lot MKCL3226)	2,000.7	µg/mL	+/- 11.7410 +/- 49.6717 +/- 59.5522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Docosane (C22) **CAS #** 629-97-0 **Purity** 99%	(Lot MKCL8918)	2,005.3	µg/mL	+/- 11.7684 +/- 49.7876 +/- 59.6911	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	n-Tetracosane (C24) **CAS #** 646-31-1 **Purity** 99%	(Lot MKCN2863)	2,018.0	µg/mL	+/- 11.8428 +/- 50.1020 +/- 60.0681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexacosane (C26) **CAS #** 630-01-3 **Purity** 99%	(Lot MKCD4540)	2,014.0	µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	n-Octacosane (C28) **CAS #** 630-02-4 **Purity** 99%	(Lot BCCG0084)	2,002.0	µg/mL	+/- 11.7489 +/- 49.7048 +/- 59.5919	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	n-Triacontane (C30) **CAS #** 638-68-6 **Purity** 97%	(Lot MKCQ9436)	2,011.1	µg/mL	+/- 11.8025 +/- 49.9316 +/- 59.8637	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	n-Dotriacontane (C32) **CAS #** 544-85-4 **Purity** 99%	(Lot BCBW0661)	2,012.0	µg/mL	+/- 11.8075 +/- 49.9531 +/- 59.8895	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	n-Tetratriacontane (C34) **CAS #** 14167-59-0 **Purity** 99%	(Lot OML4N)	2,006.7	µg/mL	+/- 11.7762 +/- 49.8207 +/- 59.7308	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	n-Hexatriacontane (C36) **CAS #** 630-06-8 **Purity** 99%	(Lot Z27H018)	2,017.3	µg/mL	+/- 11.8388 +/- 50.0855 +/- 60.0483	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	n-Octatriacontane (C38) **CAS #** 7194-85-6 **Purity** 96%	(Lot 0000145137)	2,017.3	µg/mL	+/- 11.8385 +/- 50.0842 +/- 60.0467	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	n-Tetracontane (C40) **CAS #** 4181-95-7 **Purity** 99%	(Lot BSBME)	2,008.7	µg/mL	+/- 11.7880 +/- 49.8703 +/- 59.7903	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane/Carbon disulfide (80:20)
CAS # 110-54-3/75-15-0
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

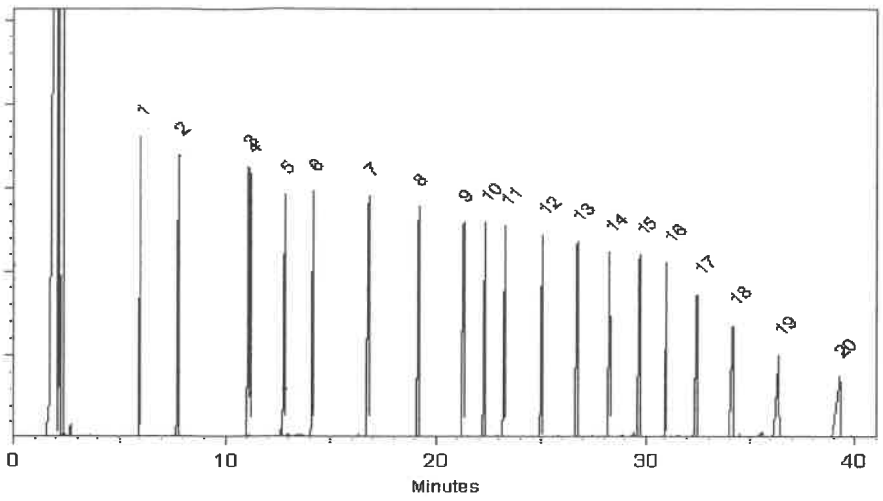
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022 **Balance:** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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P12960 & P12991 Y.P. 12/21/2023

Catalog No. : 31098 **Lot No.:** A0204989

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	14738400	99%	10,097.3 µg/mL	+/- 567.2675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

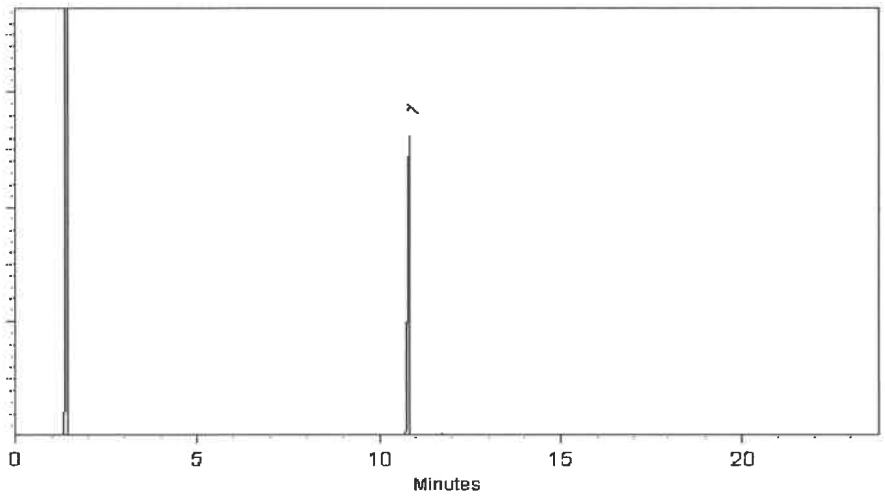
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 02-Dec-2023 **Balance Serial #** B345965662

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

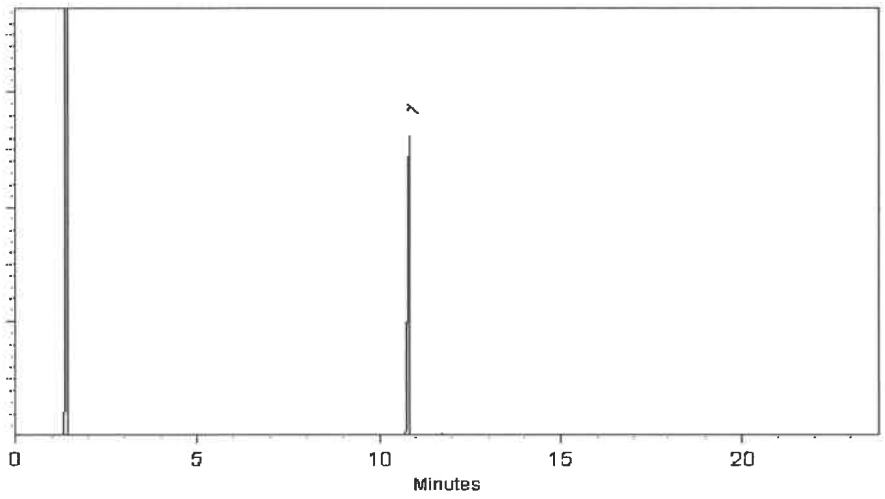
Inj. Temp:
250°C

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.
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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

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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.

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.)

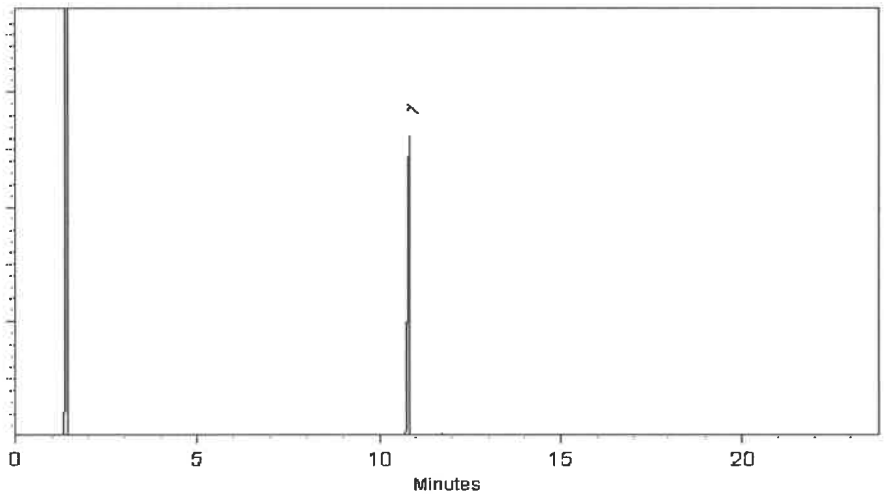
Inj. Temp:
250°C

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:

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Certificate of Analysis

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P12960 & P12991 Y.P. 12/21/2023

Catalog No. : 31098 **Lot No.:** A0204989

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	14738400	99%	10,097.3 µg/mL	+/- 567.2675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
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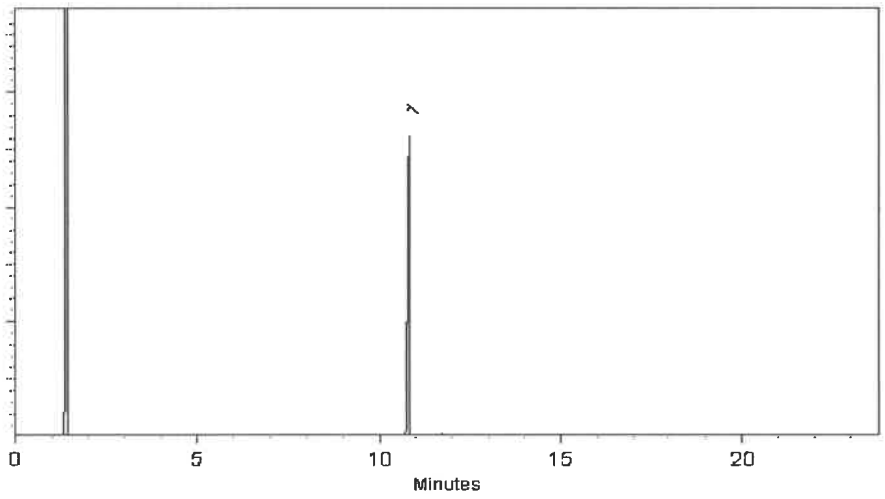
Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Peter Robbins - Operations Technician I

Date Mixed: 02-Dec-2023 **Balance Serial #** B345965662

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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P12960 & P12991 Y.P. 12/21/2023

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1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
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Rtx-5 (cat.#10223)

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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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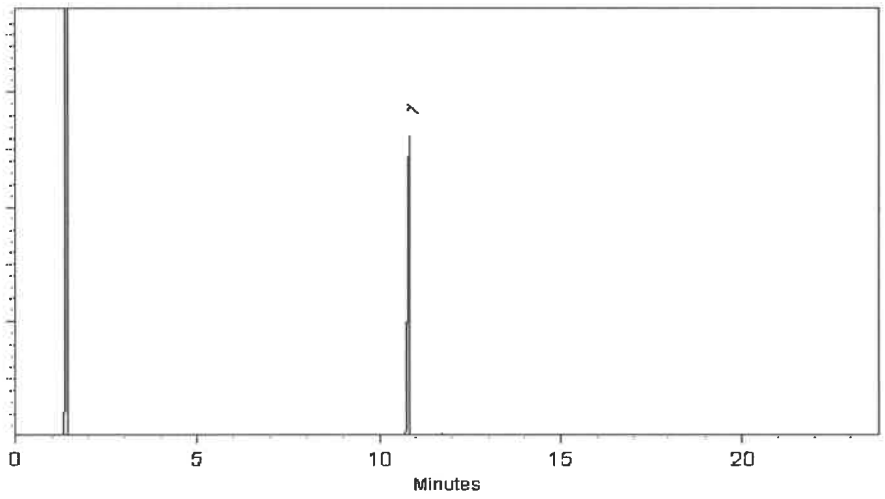
Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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

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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.)

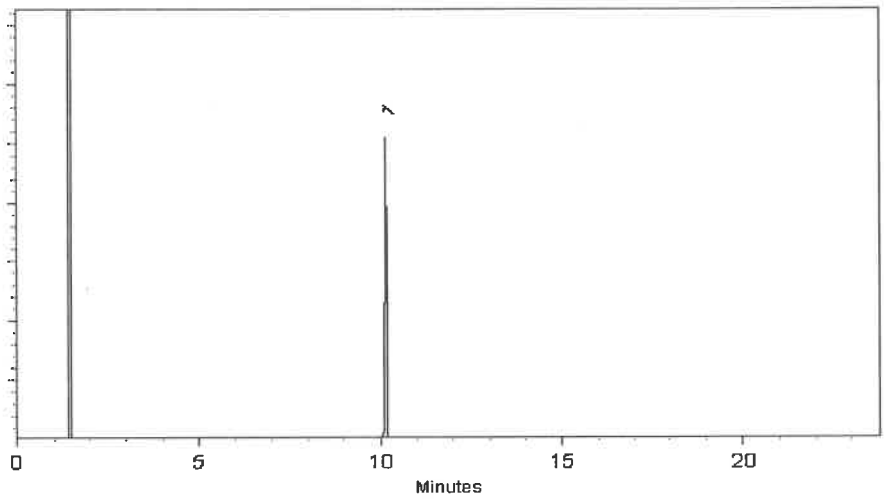
Inj. Temp:
250°C

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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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:
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Temp. Program:
75°C (hold 1 min.) to 330°C
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Inj. Temp:
250°C

Det. Temp:
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Det. Type:
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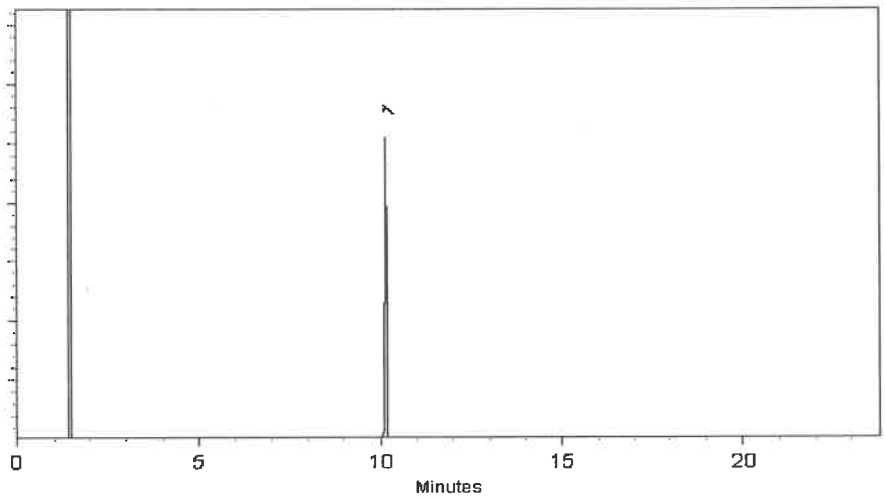
Split Vent:
10 ml/min.

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

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Det. Temp:
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Det. Type:
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Split Vent:
10 ml/min.

Inj. Vol
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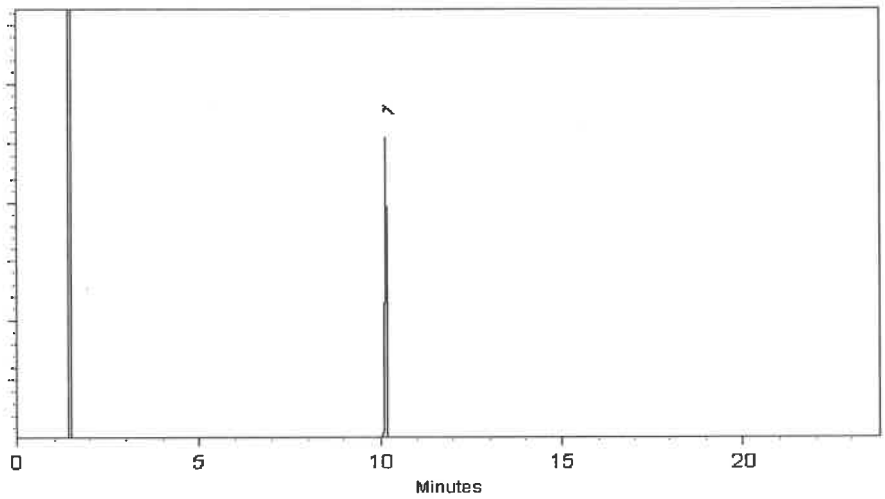

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Laith Clemente - Operations Technician I

Date Mixed: 07-Nov-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 09-Nov-2023

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

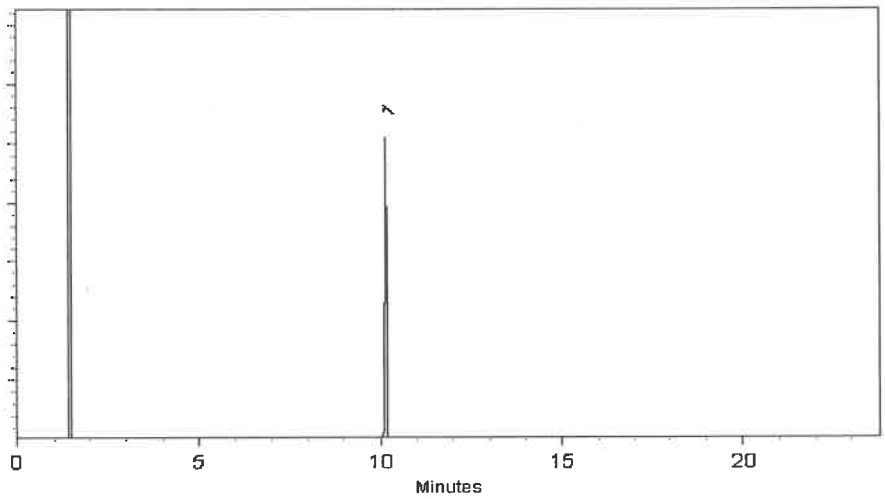
Inj. Temp:
250°C

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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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.)

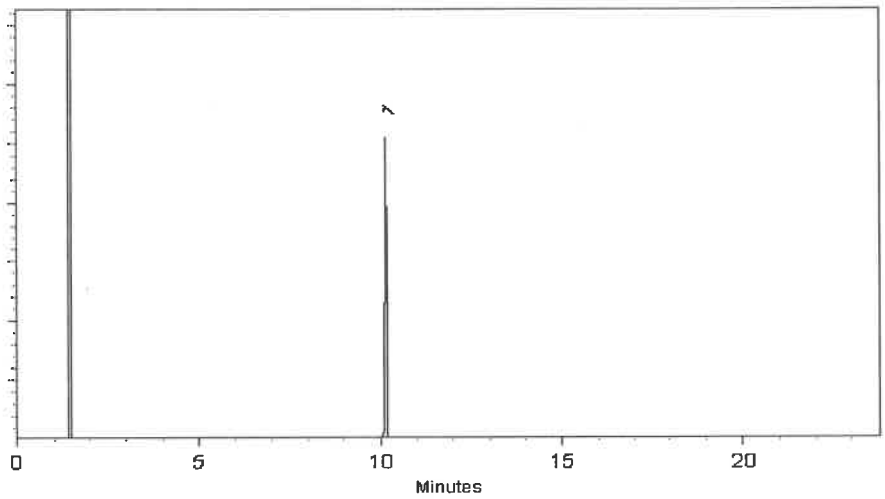
Inj. Temp:
250°C

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:

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P12992 ↓ P13031 } Y.P. 12/21/2023

Catalog No. : 31097 **Lot No.:** A0204177

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,000.5 µg/mL	+/- 450.4278

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

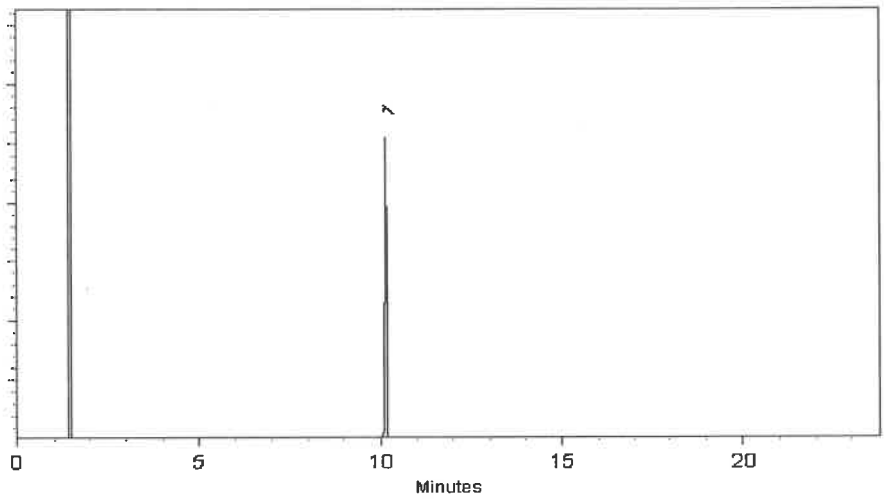
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 07-Nov-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 09-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  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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P12992 ↓ P13031 } Y.P. 12/21/2023

Catalog No. : 31097 **Lot No.:** A0204177

Description : o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,000.5 µg/mL	+/- 450.4278

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

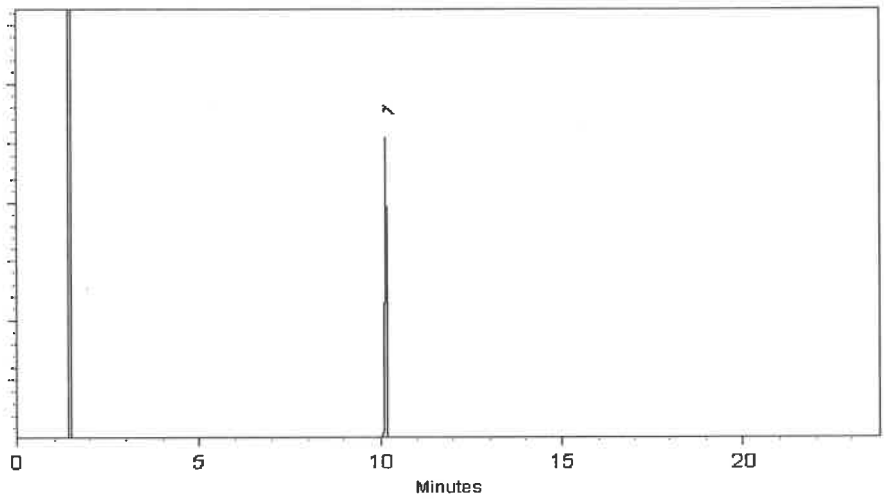
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 07-Nov-2023 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 09-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

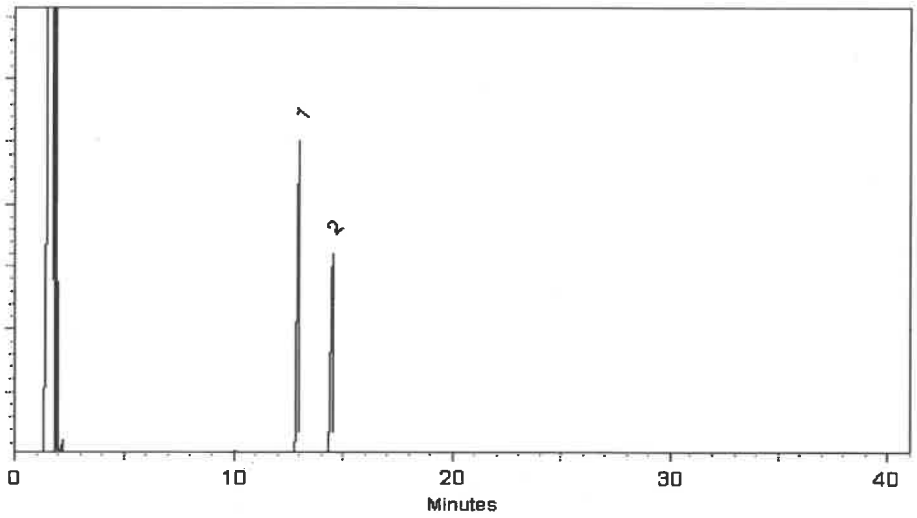
Inj. Temp:
250°C

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:

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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.)

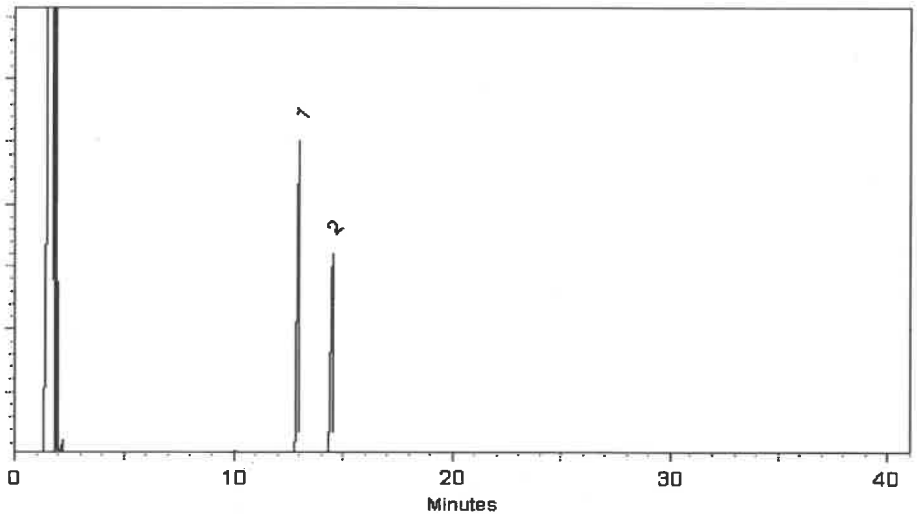
Inj. Temp:
250°C

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
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.)

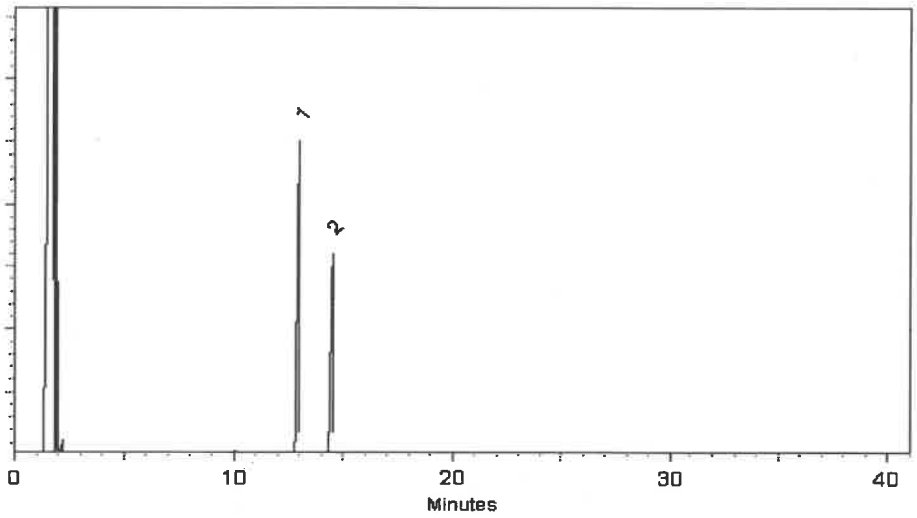
Inj. Temp:
250°C

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
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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.)

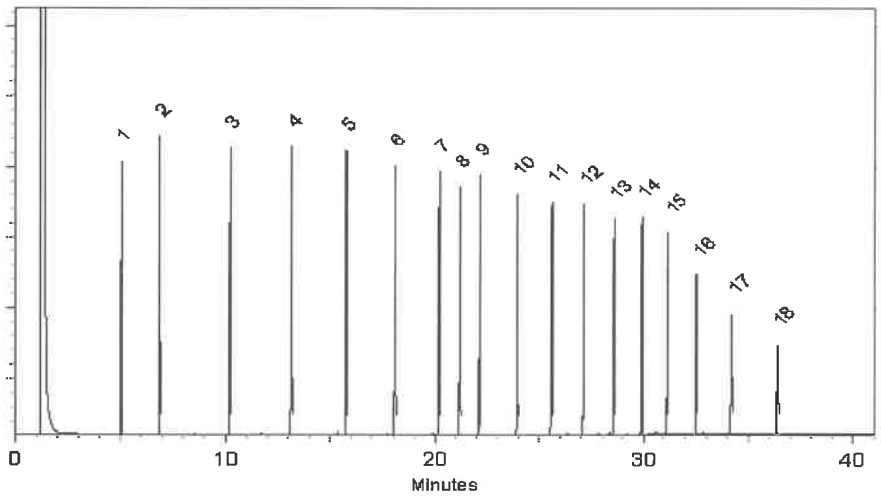
Inj. Temp:
250°C

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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Tel: 1-814-353-1300
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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.)

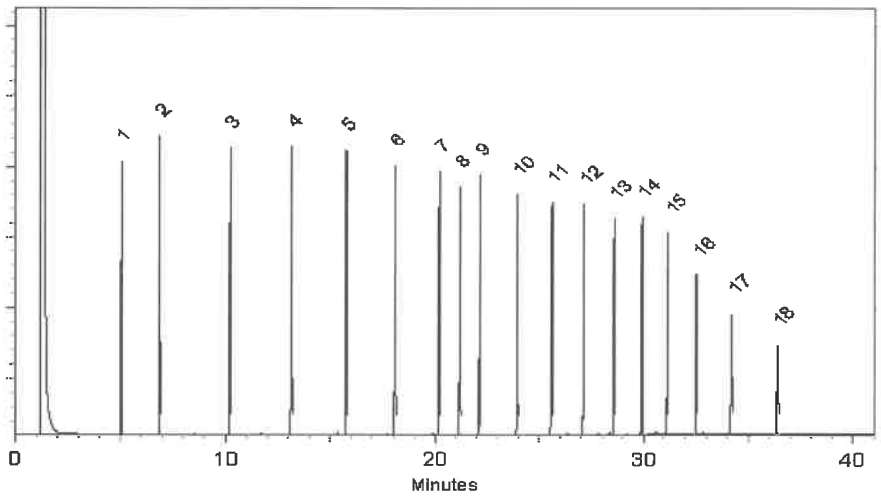
Inj. Temp:
250°C

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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Bellefonte, PA 16823-8812
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Certificate #3222.01

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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.)

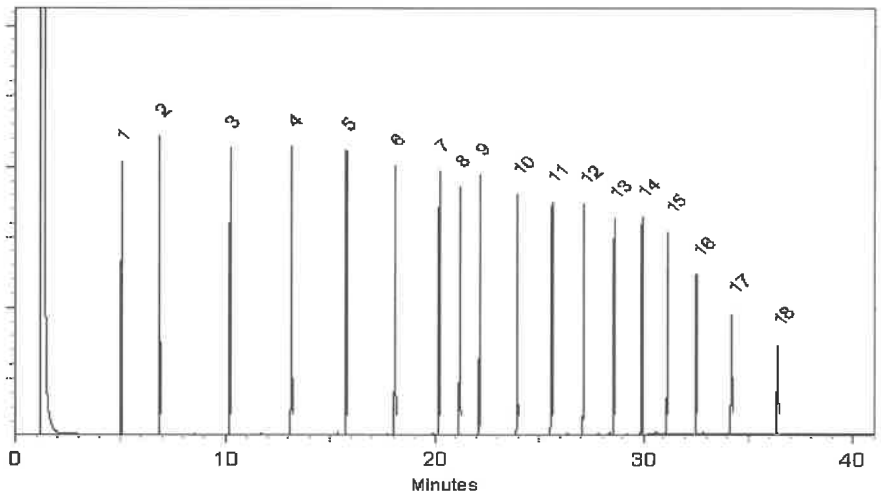
Inj. Temp:
250°C

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.)

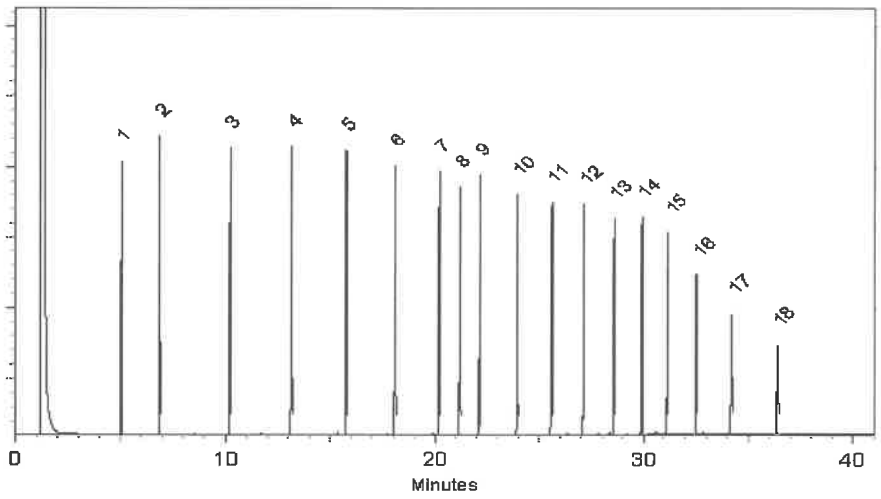
Inj. Temp:
250°C

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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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.)

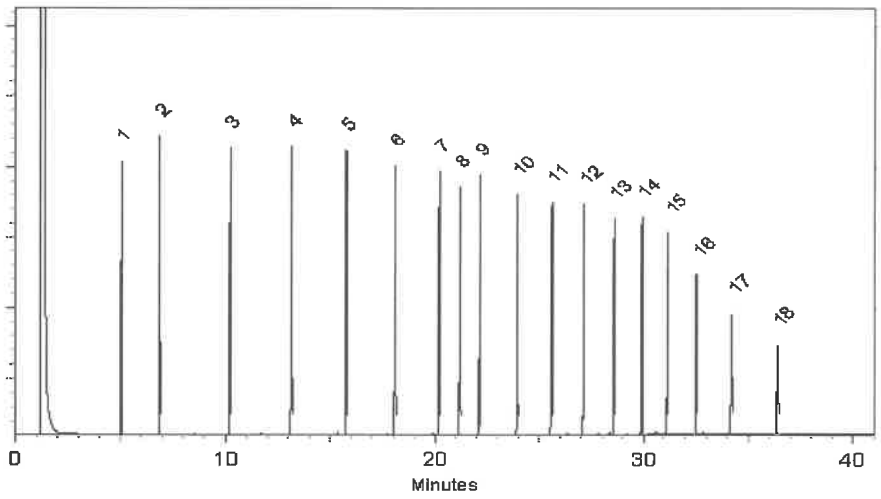
Inj. Temp:
250°C

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.
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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.:** 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.)

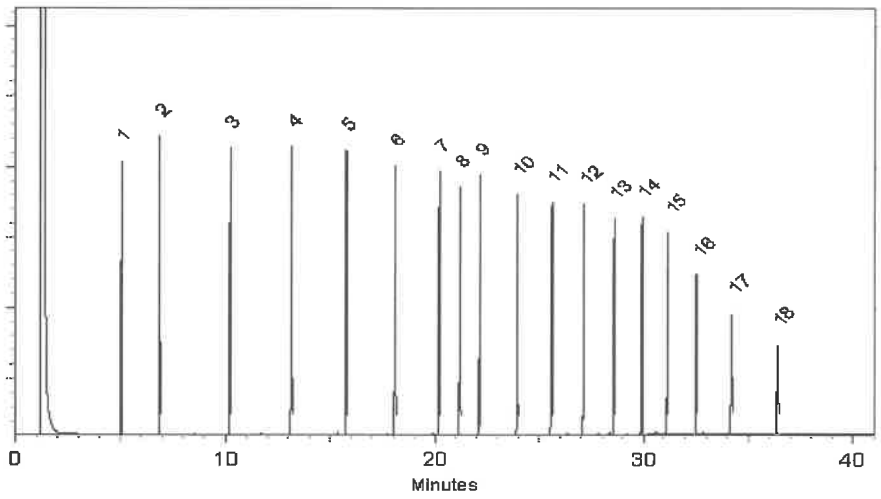
Inj. Temp:
250°C

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.
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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

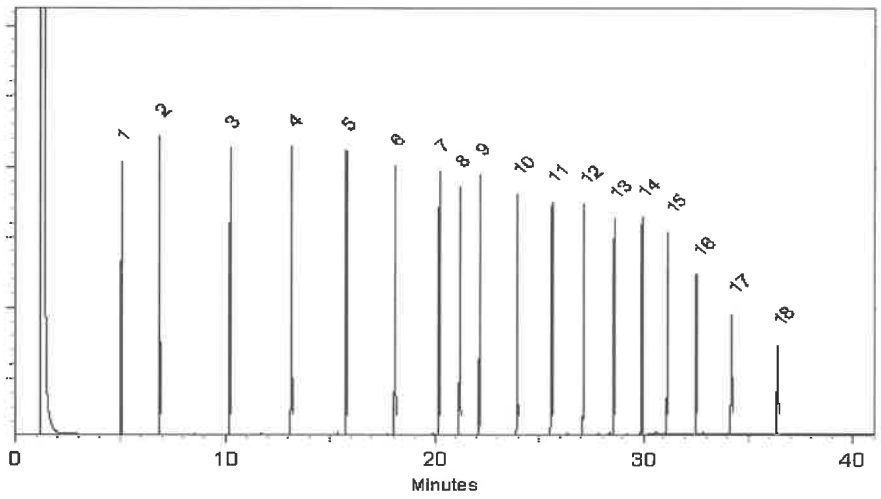
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Matt Fragassi - Mix Technician

Date Mixed: 31-Jan-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 02-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- 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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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.)

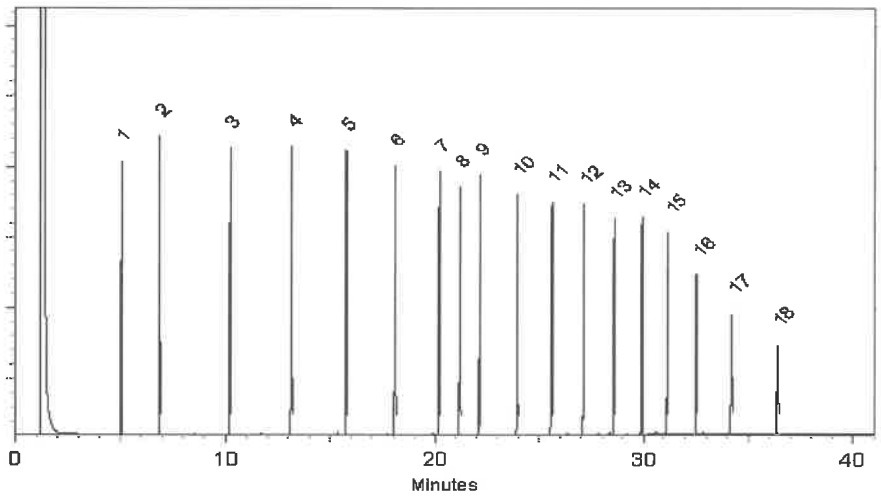
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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.
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Purity Notes:

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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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.)

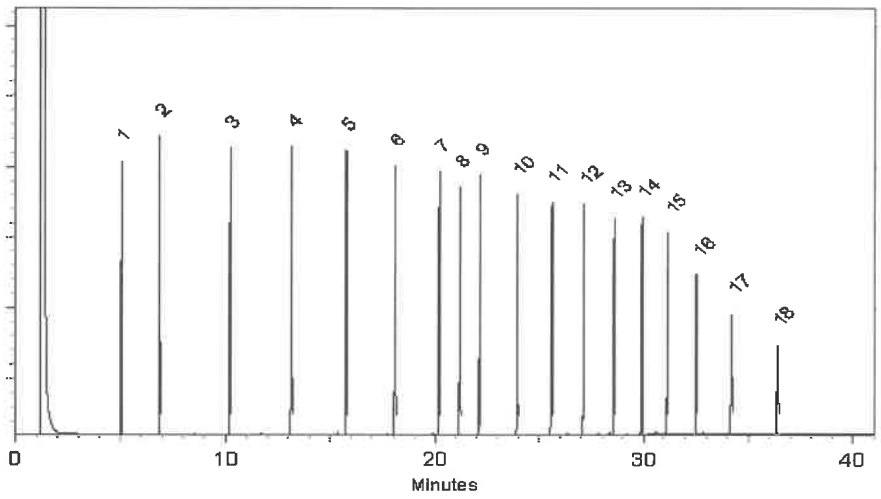
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Matt Fragassi - Mix Technician

Date Mixed: 31-Jan-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 02-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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)
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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.)

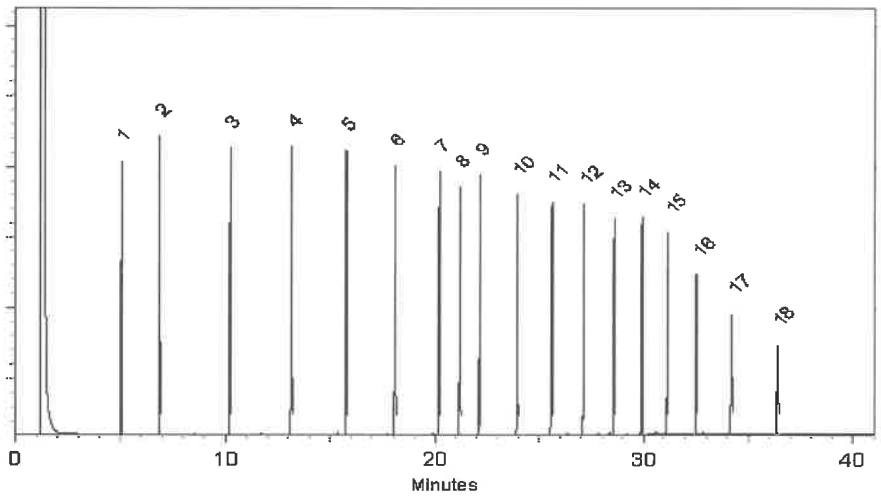
Inj. Temp:
250°C

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. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

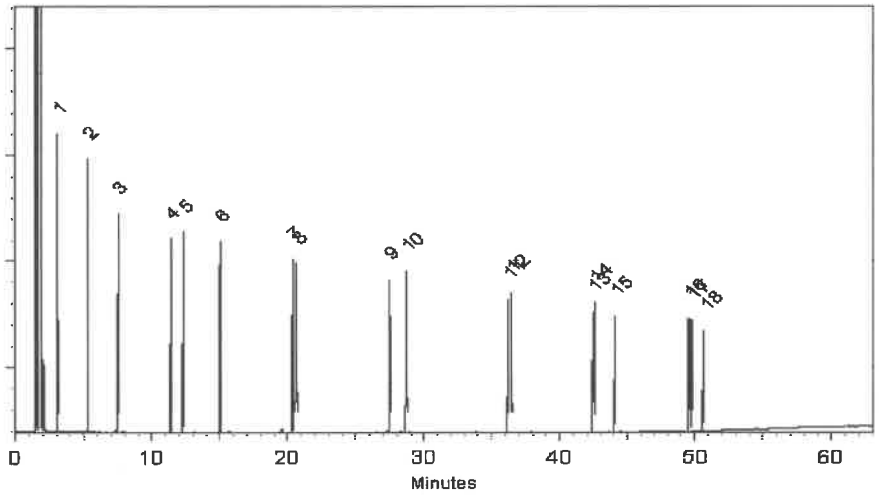
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

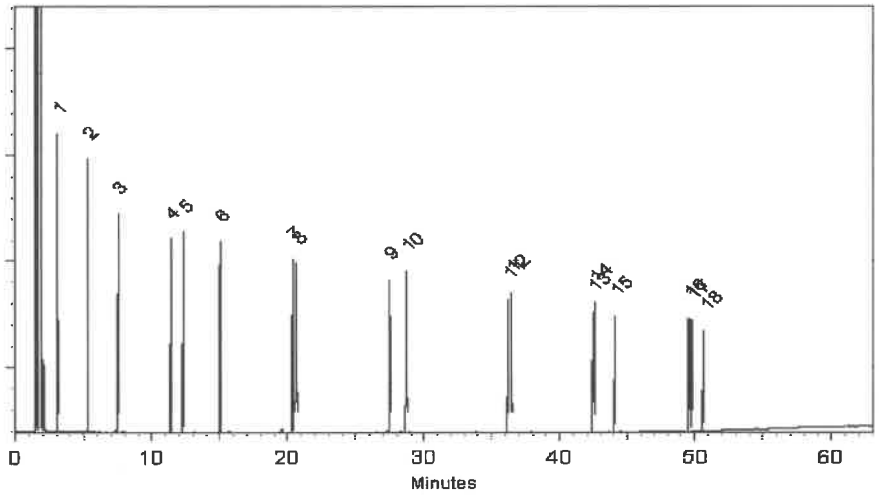
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
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12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
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17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

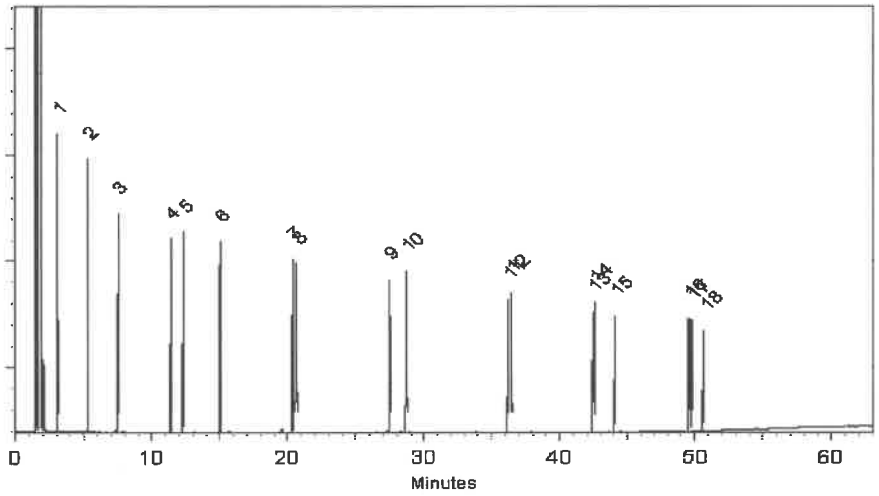
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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:

- 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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- 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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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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

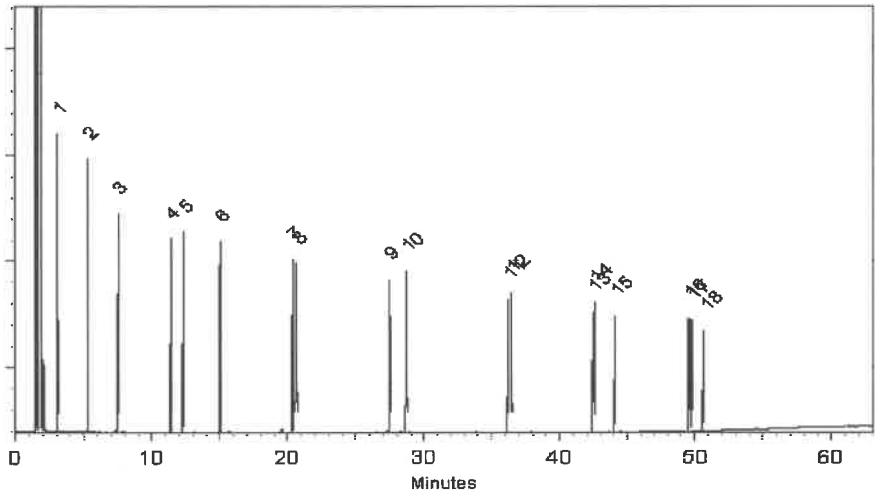
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0211254

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

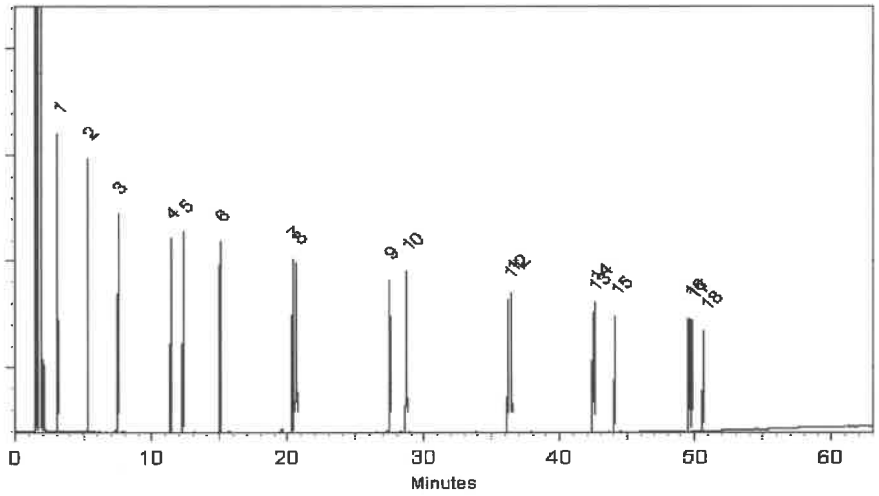
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
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12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

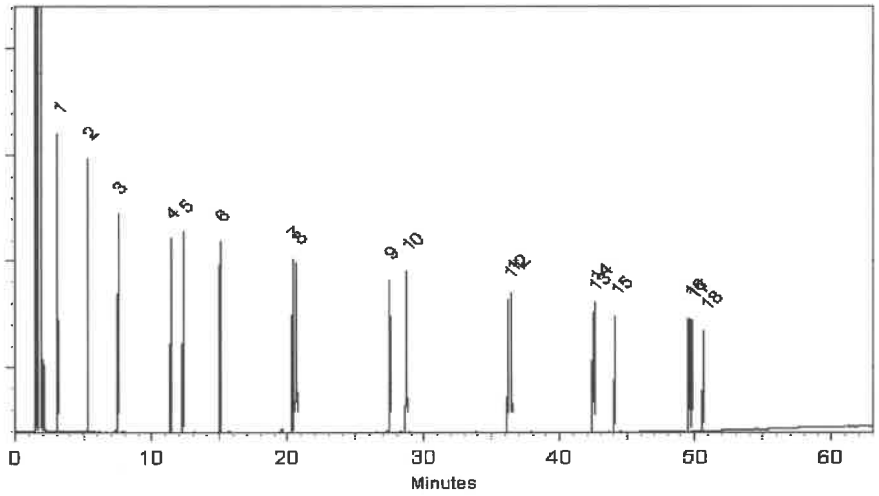
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
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12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
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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.)

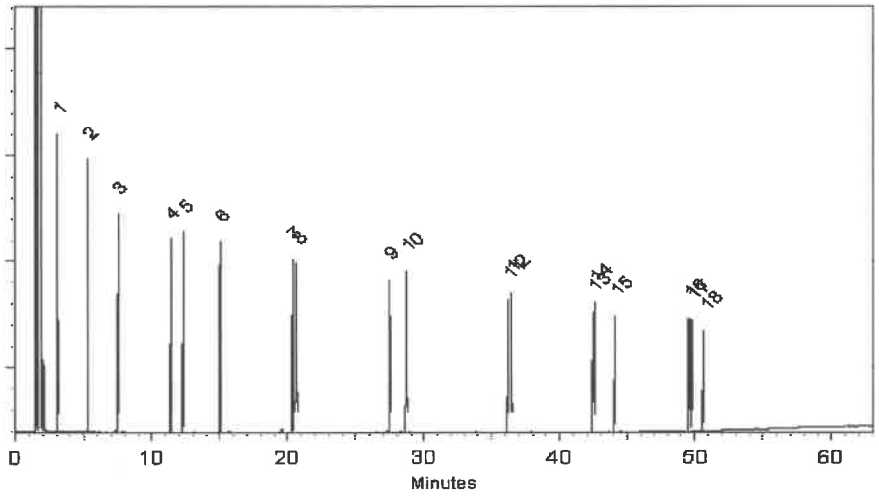
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

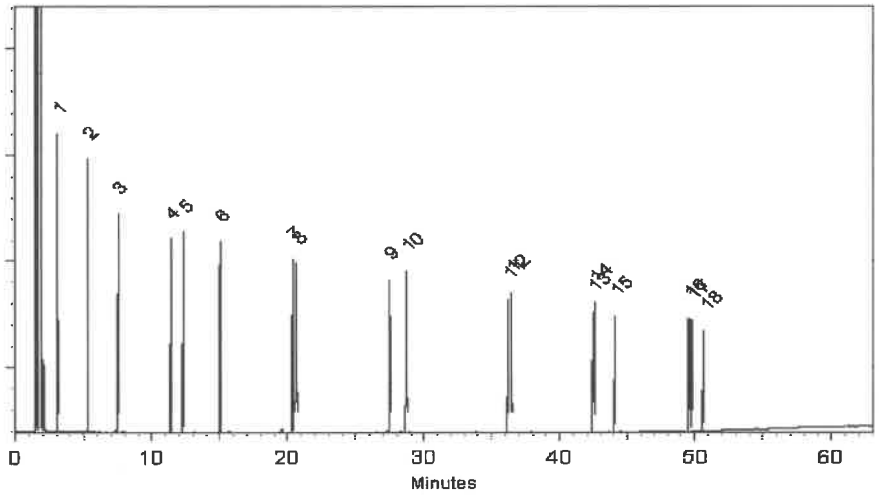
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

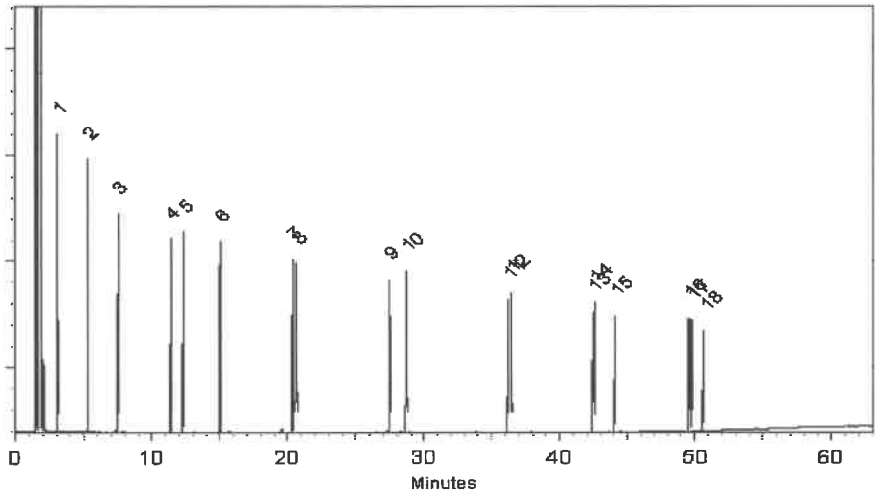
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 30543 **Lot No.:** A0211254

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 : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13437
2
P13452
Y.P.
07/16/24.

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%	200.0 µg/mL	+/- 9.0114
2	Naphthalene	91-20-3	STBL1057	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBK0259	96%	200.4 µg/mL	+/- 9.0316
4	Acenaphthylene	208-96-8	214935L31M	98%	200.3 µg/mL	+/- 9.0255
5	Acenaphthene	83-32-9	MKCR7169	99%	202.0 µg/mL	+/- 9.1015
6	Fluorene	86-73-7	10241100	99%	201.2 µg/mL	+/- 9.0655
7	Phenanthrene	85-01-8	MKCS5188	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCR0570	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCK2592	99%	201.2 µg/mL	+/- 9.0655
11	Benz(a)anthracene	56-55-3	I30012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP231206RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	012013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.0 µg/mL	+/- 9.0114
15	Benzo(a)pyrene	50-32-8	O45GL	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.8 µg/mL	+/- 9.0033

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0	µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240105ECS	99%	200.8	µg/mL	+/- 9.0474

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

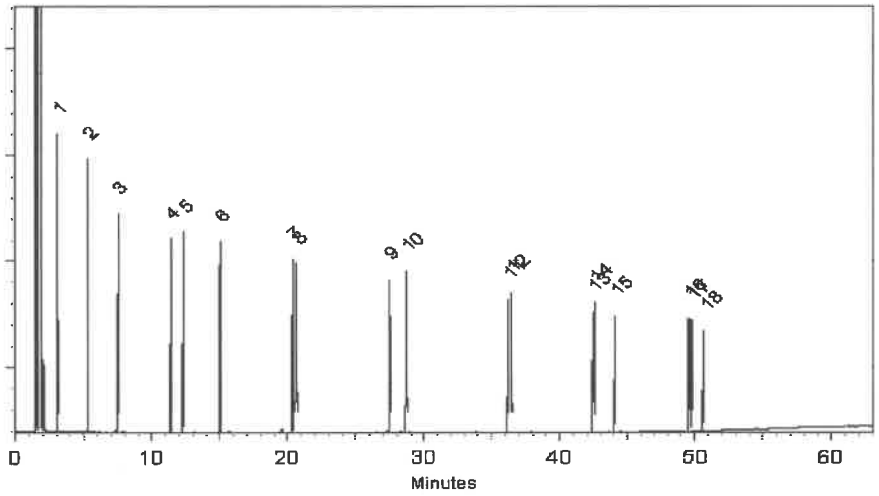
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Michael Maye - Operations Tech I **Date Mixed:** 09-May-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 13-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

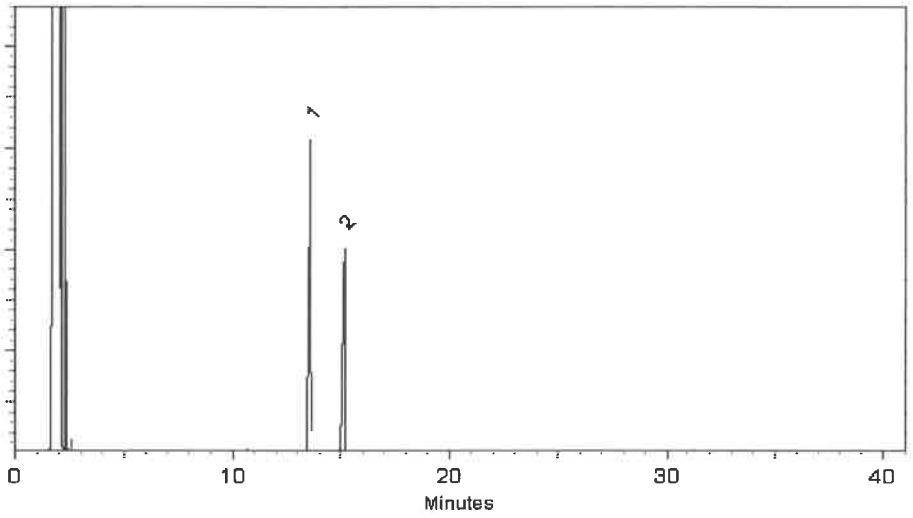
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Certificate #3222.02

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Catalog No. : 31480 **Lot No.:** A0210831

Description : MA Fractionation Surrogate Spike Mix

MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13457 ↓ P13476 Y.P. 07/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,031.0 µg/mL	+/- 181.5871
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,037.5 µg/mL	+/- 181.8799

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

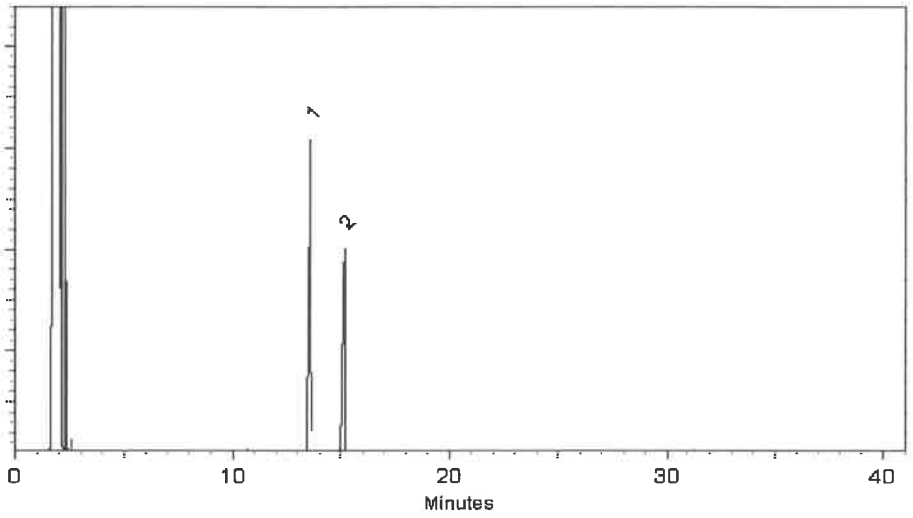
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 29-Apr-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 30-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.:** 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

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Purity 99%

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Rtx-5 (cat.#10223)

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hydrogen-constant pressure 10 psi.

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@ 10°C/min. (hold 10 min.)

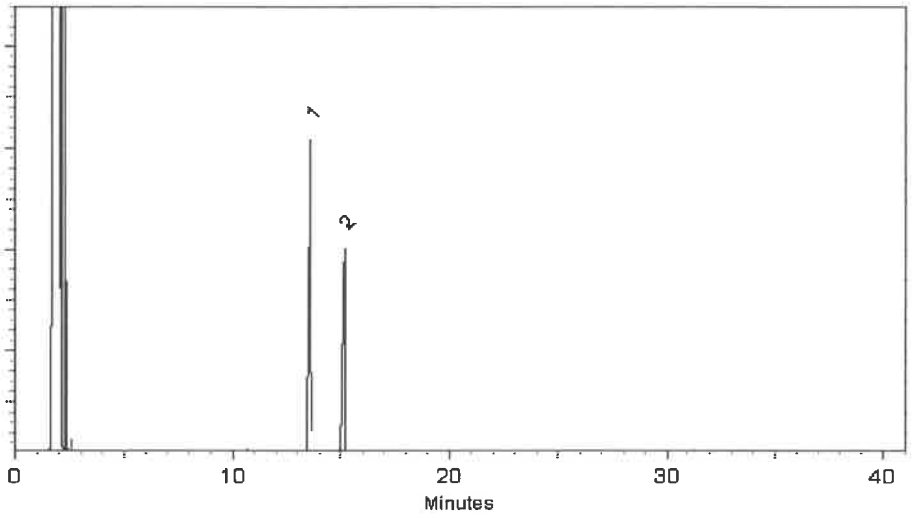
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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- Purity values are rounded to the nearest whole number.

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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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SHIPPING DOCUMENTS

P4103

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 5

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	TCL + 20 SVOCs (8270)	TAL Metals + Boron & Tin (6010/7471)	Full TCLP + TCLP Cu, Ni & Zn (1311/8270/8081/8151/6010/7471)	RCRA Characteristics-I/C/R (1030/9045D/Ch 7 rev3)	PCBs (8082); Hex Chromium (7196)	Ammonia-Nitrogen (ASTM/SM4500H); COD (ASTM/5220D); Oil & Grease (ASTM/1664);	Total Solids (ASTM/SM2540G); Total Volatile Solids (160.4)	TCL+10 VOCs (8260); TCLP VOCs (1311/8260); TPH DRO & GRO (8015)	Tox (9020 or 9023)	COMMENTS
WC-22A	Waste characterization	9/17	11:40	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_5_7.5A	Waste characterization	9/17	11:50	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_5_7.5B	Waste characterization	9/17	13:30	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_7.5_10A	Waste characterization	9/17	12:35	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-14_7.5_10B	Waste characterization	9/17	14:20	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached
WC-23	Waste characterization	9/17	14:45	Soil	C	8/4oz Jar	9	X	X	X	X	X	X	X	X	X	See Full List Attached

SAMPLER	W. Seel	SHIPMENT	courier	AIRBILL	

REQUIRED TURNAROUND ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____

1. RELINQUISHED BY	DATE	2. RELINQUISHED BY	DATE	3. RELINQUISHED BY	DATE
SIGNATURE:	9-18-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Wyatt Seel	14:10	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	
1. RECEIVED BY	DATE	2. RECEIVED BY	DATE	3. RECEIVED BY	DATE
SIGNATURE:	9-18-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Bonova Peña	14:10	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

Parameter	Test Method
TCL + 10 VOCs	8270D
TCL + 20 SVOCs	8260B
TAL Metals (+Boron, Tin)	6010/7471
Hexavalent Chromium (Cr+6)	7196
Total Cyanide	9014
TCLP VOCs	1311/8260B
TCLP SVOCs	1311/8270D
TCLP Metals (+ Beryllium, Copper, Nickel, Zinc)	1311/6010/7471
TCLP Pesticides/Herbicides	1311/8080/8151
RCRA Characteristics (Ignitability, Corrosivity, Reactive Sulfide/Cyanide)	SW 846 1030 SW 846/9045D SW 846 7.3.3.2 Rev. 3
PCBs	8082A
TPH/DRO & GRO	8015D
TOX	9020 or 9023
Paint Filter	9095

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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4103 ENTA05
Client Name : ENTACT
Client Contact : Chris Lawrence
Invoice Name : ENTACT
Invoice Contact : Chris Lawrence

Order Date : 9/18/2024 3:16:00 PM
North Point
Project Name : ~~CMC - CTV2 #E9322~~
Receive DateTime : 9/18/2024 2:10:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4103-01	WC-22A	Solid	09/17/2024	11:40					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-07	WC-14-5-7.5B	Solid	09/17/2024	13:30					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-10	WC-14-7.5-10A	Solid	09/17/2024	12:35					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-13	WC-14-7.5-10B	Solid	09/17/2024	14:20					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P4103-16	WC-23	Solid	09/17/2024	14:45					
p4103-04	WC-14-5-7.5A	solid	09/17/2024	11:50am	VOC-TCLVOA-10		8260D		5 Bus. Days
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By :
Date / Time : 9-18-24 16:25

Received By : JC
Date / Time : 9/18/24 1625

Storage Area : **VOA Refridgerator Room**