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

Cover Page

Order ID : P4518

Project ID : North Point

Client : ENTACT

Lab Sample Number	Client Sample Number
P4518-01	EX-5-TPH-1
P4518-02	EX-5-TPH-2
P4518-03	EX-5-TPH-3
P4518-04	EX-5-TPH-4
P4518-05	EX-5-TPH-5

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

Signature : _____

Date: 11/4/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4518**

	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: **PRIYANKA DAVE** **Date:** **11/04/2024**

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

LAB CHRONICLE

OrderID:	P4518	**OrderDate:**	10/23/2024 3:37:00 PM
Client:	ENTACT	**Project:**	North Point
Contact:	Wyatt Seel	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4518-01	**EX-5-TPH-1**	**SOIL**			**10/23/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4518-02	**EX-5-TPH-2**	**SOIL**			**10/23/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
P4518-03	**EX-5-TPH-3**	**SOIL**			**10/23/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/29/24	
P4518-04	**EX-5-TPH-4**	**SOIL**			**10/23/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/29/24	
P4518-05	**EX-5-TPH-5**	**SOIL**			**10/23/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	

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

LAB CHRONICLE

Diesel Range Organics	8015D	10/24/24	10/25/24
Gasoline Range Organics	8015D		10/25/24
EPH	NJEPH	10/25/24	10/28/24
EPH	NJEPH	10/25/24	10/29/24

QC
SUMMARY

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4518 SAS No.: P4518 SDG No.: P4518

Run Number: FC102524AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-5-TPH-1	82			0
EX-5-TPH-2	37 *			1
EX-5-TPH-3	45			0
EX-5-TPH-4	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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4518 SAS No.: P4518 SDG No.: P4518

Run Number: FC102824AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-5-TPH-1DL	85			0
EX-5-TPH-1DL2	102			0
EX-5-TPH-2DL	34 *			1
EX-5-TPH-2DL2	38 *			1
EX-5-TPH-3DL	49			0
EX-5-TPH-3DL2	46			0
EX-5-TPH-4DL	73			0
EX-5-TPH-4DL2	84			0
EX-5-TPH-5	72			0
EX-5-TPH-5DL	70			0
EX-5-TPH-5DL2	76			0
EX-5-TPH-5MS	81			0
EX-5-TPH-5MSD	76			0
PB164396BL	78			0
PB164396BS	61			0
PB164396BSD	67			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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4518 SAS No.: P4518 SDG No.: P4518

Run Number: FD102524AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-5-TPH-1	130	136	102	0
EX-5-TPH-2	112	124	41	0
EX-5-TPH-3	133	129	66	0
EX-5-TPH-4	121	144 *	71	1

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

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM CASE No.: P4518 SAS No.: P4518 SDG No.: P4518

Run Number: FD102824AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-5-TPH-1DL	156 *	126	116	1
EX-5-TPH-2DL	122	116	45	0
EX-5-TPH-2DL2	141 *	112	52	1
EX-5-TPH-3DL	138	125	80	0
EX-5-TPH-4DL	154 *	130	75	1
EX-5-TPH-4DL2	164 *	117	91	1
EX-5-TPH-5	94	98	60	0
EX-5-TPH-5DL	96	84	56	0
EX-5-TPH-5MS	128	117	71	0
EX-5-TPH-5MSD	125	114	71	0
PB164396BL	104	101	90	0
PB164396BS	98	100	80	0
PB164396BSD	101	104	83	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

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

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : P4518-05MS **Datafile:** FC067546.D

Client ID : EX-5-TPH-5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	13.5	23.2	42.9	145	*	(40-140)
Aliphatic C12-C16	9.0	184	268	921	*	(40-140)
Aliphatic C16-C21	13.5	200	304	762	*	(40-140)
Aliphatic C21-C28	18.0	36.9	105	377	*	(40-140)
Aliphatic C28-C40	27.0	38.9	126	321	*	(40-140)

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : P4518-05MSD **Datafile:** FC067547.D

Client ID : EX-5-TPH-5MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	13.5	23.2	42.2	140	*	3.51 |	(40-140)	25
Aliphatic C12-C16	9.0	184	262	856	*	7.32 |	(40-140)	25
Aliphatic C16-C21	13.5	200	302	748	*	1.85 |	(40-140)	25
Aliphatic C21-C28	18.0	36.9	100	350	*	7.43 |	(40-140)	25
Aliphatic C28-C40	27.0	38.9	122	307	*	4.46 |	(40-140)	25

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : P4518-05MS **Datafile:** FD048607.D

Client ID : EX-5-TPH-5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	9.0	4.94	15.4	116		(40-140)
Aromatic C12-C16	13.5	55.1	85.4	223	*	(40-140)
Aromatic C16-C21	22.5	191	255	281	*	(40-140)
Aromatic C21-C36	36.1	40.5	90.4	138		(40-140)

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : P4518-05MSD **Datafile:** FD048608.D

Client ID : EX-5-TPH-5MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	9.0	4.94	15.1	112		3.51 |	(40-140)	25
Aromatic C12-C16	13.5	55.1	79.5	180	*	21.3 |	(40-140)	25
Aromatic C16-C21	22.5	191	254	277	*	1.43 |	(40-140)	25
Aromatic C21-C36	36.0	40.5	86.6	127		8.3 |	(40-140)	25

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : PB164396BS **Datafile:** FC067543.D

Client ID : PB164396BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.70	57		(40-140)
Aliphatic C12-C16	6.7	5.41	81		(40-140)
Aliphatic C16-C21	10	9.37	94		(40-140)
Aliphatic C21-C28	13.3	12.7	95		(40-140)
Aliphatic C28-C40	20.0	22.7	113		(40-140)

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : PB164396BSD **Datafile:** FC067544.D

Client ID : PB164396BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.66	57		0.813| (40-140)	50
Aliphatic C12-C16	6.7	5.38	81		0.551| (40-140)	50
Aliphatic C16-C21	10	9.32	93		0.575| (40-140)	50
Aliphatic C21-C28	13.3	12.6	95		0.776| (40-140)	50
Aliphatic C28-C40	20.0	22.6	113		0.06| (40-140)	50

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : PB164396BS **Datafile:** FD048604.D

Client ID : PB164396BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.85	73		(40-140)
Aromatic C12-C16	10	8.24	82		(40-140)
Aromatic C16-C21	16.7	17.6	105		(40-140)
Aromatic C21-C36	26.6	26.4	99		(40-140)

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT

Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518

Sample No : PB164396BSD **Datafile:** FD048605.D

Client ID : PB164396BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.03	76		3.6|	(40-140)	50
Aromatic C12-C16	10	8.57	86		3.9|	(40-140)	50
Aromatic C16-C21	16.7	18.3	109		4.5|	(40-140)	50
Aromatic C21-C36	26.6	27.3	102		3.3|	(40-140)	50

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

4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164396BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG NO.: P4518

Instrument ID: FID_C Lab Sample ID: PB164396BL

Matrix: (soil/water) Solid Date Extracted: 10/25/2024 9:05:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164396BS	PB164396BS
PB164396BSD	PB164396BSD
EX-5-TPH-1	P4518-01
EX-5-TPH-2	P4518-02
EX-5-TPH-3	P4518-03
EX-5-TPH-4	P4518-04
EX-5-TPH-5	P4518-05
EX-5-TPH-5MS	P4518-05MS
EX-5-TPH-5MSD	P4518-05MSD

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/23/24
Project:	North Point			Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1			SDG No.:	P4518
Lab Sample ID:	P4518-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	78.5
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 18:16	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	37.1		5	2.41	6.35	mg/kg	FC067548.D
Aliphatic C12-C16	Aliphatic C12-C16	358		25	7.63	21.2	mg/kg	FC067549.D
Aliphatic C16-C21	Aliphatic C16-C21	351		25	9.53	31.8	mg/kg	FC067549.D
Aliphatic C21-C28	Aliphatic C21-C28	31.0		5	5.08	8.47	mg/kg	FC067548.D
Aliphatic C28-C40	Aliphatic C28-C40	55.7		5	11.4	12.7	mg/kg	FC067548.D
Aromatic C10-C12	Aromatic C10-C12	9.10		1	0.38	0.85	mg/kg	FD048589.D
Aromatic C12-C16	Aromatic C12-C16	108		10	4.32	12.7	mg/kg	FD048609.D
Aromatic C16-C21	Aromatic C16-C21	325		10	12.2	21.2	mg/kg	FD048609.D
Aromatic C21-C36	Aromatic C21-C36	60.3		1	2.54	3.39	mg/kg	FD048589.D
Total AliphaticEPH	Total AliphaticEPH	833			36.0	80.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	502			19.4	38.1	mg/kg	
Total EPH	Total EPH	1340			55.5	119	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1		SDG No.:	P4518	
Lab Sample ID:	P4518-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067526.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	38.0	E	0.48	1.27	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	274	E	0.31	0.85	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	290	E	0.38	1.27	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	85.7	E	1.02	1.69	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	74.1	E	2.29	2.54	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-01	Acq On:	25 Oct 2024 16:18
Client Sample ID:	EX-5-TPH-1	Operator:	YP/AJ
Data file:	FC067526.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	60835523	449.071	300	ug/ml
Aliphatic C12-C16	6.454	9.843	426061804	3240	200	ug/ml
Aliphatic C16-C21	9.844	13.201	436875004	3430	300	ug/ml
Aliphatic C21-C28	13.202	16.856	121411312	1010	400	ug/ml
Aliphatic C28-C40	16.857	21.702	88429971	874.737	600	ug/ml
Aliphatic EPH	3.173	21.702	1133613614	9000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.938	12.938	4433909	41.06		ug/ml
Aliphatic C9-C28	3.173	16.856	1045183643	8130	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067526.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 16:18
Operator : YP/AJ
Sample : P4518-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 26 00:47:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.938	4433909	41.059 ug/mlm
Spiked Amount 50.000		Recovery = 82.12%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067526.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 16:18
Operator : YP/AJ
Sample : P4518-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

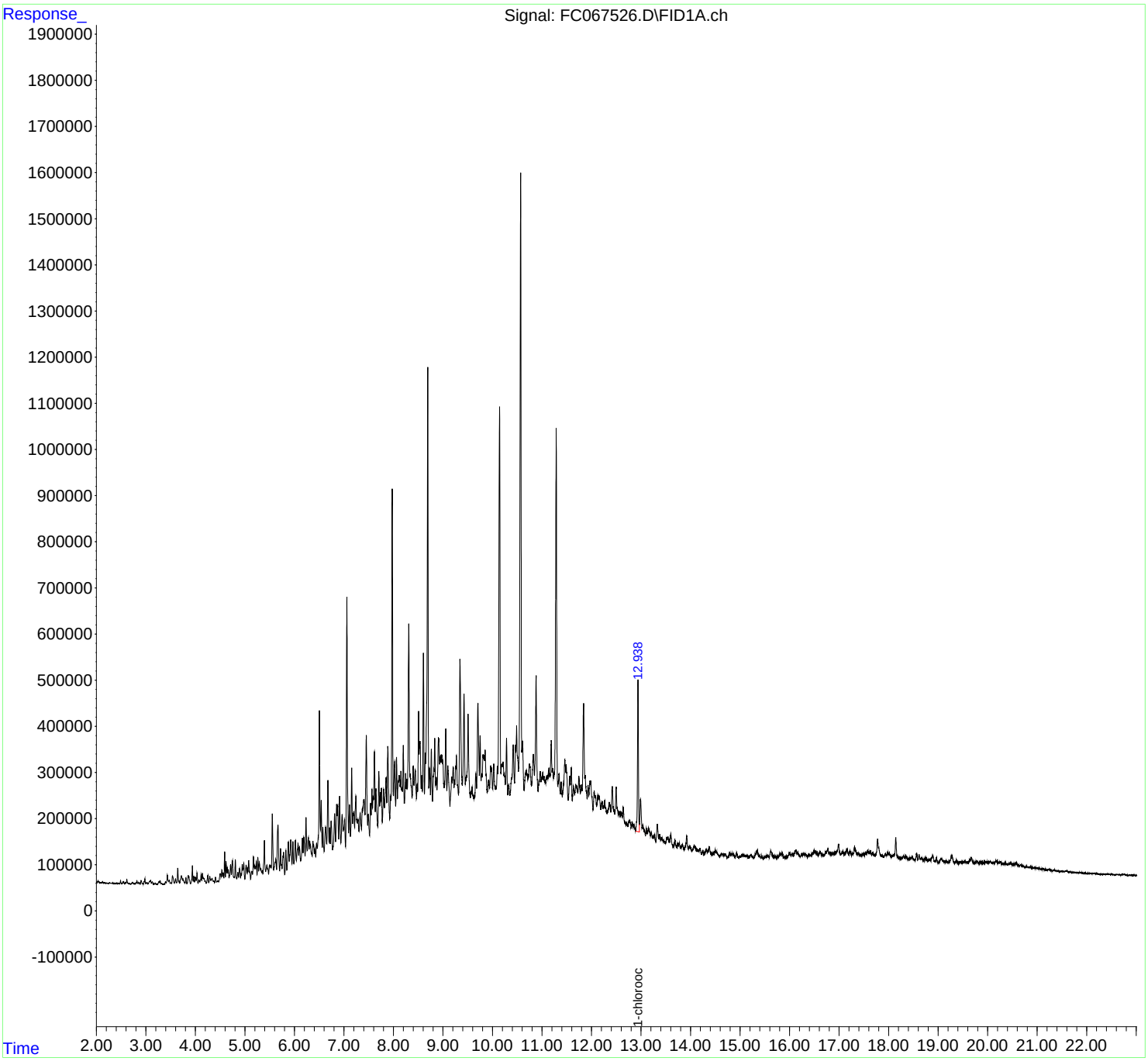
Instrument :
FID_C
ClientSampleId :
EX-5-TPH-1

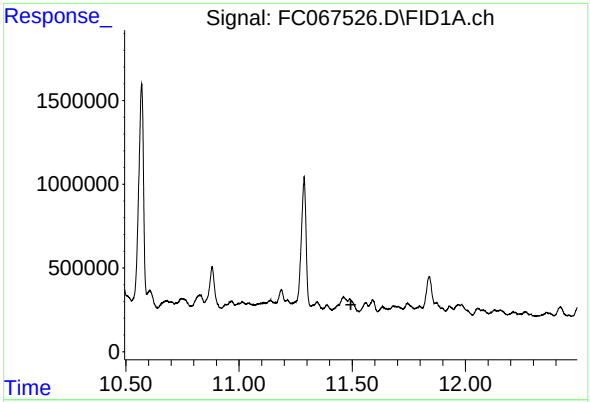
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:47:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





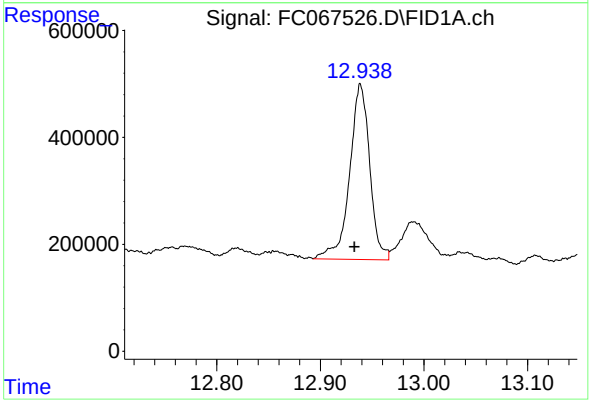
#9 ortho-Terphenyl (SURR)

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

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: 0.005 min
Response: 4433909
Conc: 41.06 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10252
Data File : FC067526.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 16:18
Sample : P4518-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.267	3.205	3.279	BV	5504	91155	0.32%	0.008%
2	3.291	3.279	3.307	VV	7181	68398	0.24%	0.006%
3	3.318	3.307	3.347	VV	1777	19811	0.07%	0.002%
4	3.368	3.347	3.381	PV	630	7550	0.03%	0.001%
5	3.396	3.381	3.408	VV	5528	55246	0.19%	0.005%
6	3.435	3.408	3.461	VV	20112	298717	1.04%	0.026%
7	3.473	3.461	3.493	VV	8748	112473	0.39%	0.010%
8	3.508	3.493	3.519	VV	3361	37923	0.13%	0.003%
9	3.539	3.519	3.575	VV	17744	317412	1.11%	0.028%
10	3.599	3.575	3.619	VV	11380	165691	0.58%	0.015%
11	3.644	3.619	3.685	VV	34751	453778	1.58%	0.040%
12	3.717	3.685	3.790	VV	18211	580522	2.02%	0.051%
13	3.809	3.790	3.829	VV	13351	133500	0.47%	0.012%
14	3.858	3.829	3.903	VV	18461	369918	1.29%	0.033%
15	3.940	3.903	3.955	VV	39444	457669	1.59%	0.040%
16	3.967	3.955	3.984	VV	16488	176620	0.62%	0.016%
17	4.000	3.984	4.018	VV	15272	196104	0.68%	0.017%
18	4.033	4.018	4.054	VV	24056	255799	0.89%	0.023%
19	4.074	4.054	4.088	VV	8377	108955	0.38%	0.010%
20	4.116	4.088	4.129	VV	20011	264023	0.92%	0.023%
21	4.143	4.129	4.169	VV	22545	347684	1.21%	0.031%
22	4.176	4.169	4.221	VV	11703	190369	0.66%	0.017%
23	4.250	4.221	4.269	VV	18234	241028	0.84%	0.021%
24	4.291	4.269	4.314	VV	15461	250420	0.87%	0.022%
25	4.335	4.314	4.364	VV	10867	253685	0.88%	0.022%
26	4.374	4.364	4.388	VV	6210	69101	0.24%	0.006%
27	4.406	4.388	4.429	VV	13824	185233	0.65%	0.016%
28	4.454	4.429	4.468	VV	6415	112551	0.39%	0.010%
29	4.500	4.468	4.518	VV	21124	430950	1.50%	0.038%
30	4.535	4.518	4.549	VV	29868	396800	1.38%	0.035%
31	4.561	4.549	4.574	VV	23739	291758	1.02%	0.026%
32	4.591	4.574	4.606	VV	68834	697212	2.43%	0.061%
33	4.619	4.606	4.632	VV	48026	530256	1.85%	0.047%
34	4.644	4.632	4.681	VV	34684	750035	2.61%	0.066%
35	4.711	4.681	4.727	VV	41045	699008	2.44%	0.062%
36	4.747	4.727	4.787	VV	49918	987204	3.44%	0.087%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

37	4.806	4.787	4.834	VV	51242	700570	2.44%	0.062%
38	4.857	4.834	4.871	VV	23987	374170		
39	4.891	4.871	4.911	VV	31985	562946		
40	4.922	4.911	4.929	VV	20647	189789		
41	4.946	4.929	4.959	VV	40177	545481		
42	4.976	4.959	4.999	VV	43331	662495		
43	5.024	4.999	5.041	VV	39334	674935	2.35%	0.060%
44	5.052	5.041	5.061	VV	33351	344664	1.20%	0.030%
45	5.076	5.061	5.115	VV	49853	945078	3.29%	0.083%
46	5.142	5.115	5.153	VV	25140	461012	1.61%	0.041%
47	5.173	5.153	5.203	VV	57436	1148330	4.00%	0.101%
48	5.230	5.203	5.245	VV	47128	886747	3.09%	0.078%
49	5.261	5.245	5.276	VV	55458	704845	2.46%	0.062%
50	5.290	5.276	5.312	VV	43460	780599	2.72%	0.069%
51	5.321	5.312	5.339	VV	31990	451758	1.57%	0.040%
52	5.351	5.339	5.362	VV	27508	328943	1.15%	0.029%
53	5.393	5.362	5.419	VV	92779	1607396	5.60%	0.142%
54	5.443	5.419	5.478	VV	39540	1070260	3.73%	0.094%
55	5.497	5.478	5.507	VV	38795	580570	2.02%	0.051%
56	5.518	5.507	5.531	VV	38593	505191	1.76%	0.045%
57	5.553	5.531	5.580	VV	147341	2283661	7.96%	0.201%
58	5.622	5.580	5.640	VV	51770	1430587	4.99%	0.126%
59	5.667	5.640	5.701	VV	126041	2674188	9.32%	0.236%
60	5.720	5.701	5.750	VV	73566	1363569	4.75%	0.120%
61	5.780	5.750	5.804	VV	66679	1479366	5.16%	0.130%
62	5.827	5.804	5.848	VV	70314	1122661	3.91%	0.099%
63	5.878	5.848	5.896	VV	88641	1716123	5.98%	0.151%
64	5.926	5.896	5.950	VV	93327	2187275	7.62%	0.193%
65	5.970	5.950	5.989	VV	88340	1398862	4.87%	0.123%
66	6.019	5.989	6.040	VV	91563	1978198	6.89%	0.174%
67	6.072	6.040	6.086	VV	84532	1884650	6.57%	0.166%
68	6.101	6.086	6.125	VV	76320	1507263	5.25%	0.133%
69	6.161	6.125	6.175	VV	96422	2089255	7.28%	0.184%
70	6.190	6.175	6.215	VV	98021	1950320	6.80%	0.172%
71	6.234	6.215	6.257	VV	140615	2436649	8.49%	0.215%
72	6.281	6.257	6.297	VV	97003	1979053	6.90%	0.175%
73	6.309	6.297	6.358	VV	89839	2718412	9.47%	0.240%
74	6.375	6.358	6.403	VV	89031	2042879	7.12%	0.180%
75	6.414	6.403	6.430	VV	73129	1044480	3.64%	0.092%
76	6.448	6.430	6.461	VV	84955	1417735	4.94%	0.125%
77	6.505	6.461	6.527	VV	371694	6592406	22.97%	0.582%
78	6.542	6.527	6.562	VV	176542	2669199	9.30%	0.235%
79	6.575	6.562	6.601	VV	118240	2069698	7.21%	0.183%
80	6.631	6.601	6.651	VV	119771	2943120	10.26%	0.260%
81	6.677	6.651	6.701	VV	220088	4245631	14.80%	0.374%
82	6.712	6.701	6.724	VV	117365	1452523	5.06%	0.128%
83	6.742	6.724	6.771	VV	132542	2926843	10.20%	0.258%
84	6.812	6.771	6.832	VV	147623	3748736	13.06%	0.331%
85	6.854	6.832	6.865	VV	167454	2697665	9.40%	0.238%
86	6.875	6.865	6.893	VV	164684	2308944	8.05%	0.204%
87	6.913	6.893	6.939	VV	186026	3576423	12.46%	0.315%
88	6.964	6.939	6.985	VV	146423	3306222	11.52%	0.292%
89	7.012	6.985	7.033	VV	134784	3295938	11.49%	0.291%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

90	7.060	7.033	7.095	VV	614786	9859089	34.36%	0.870%
91	7.112	7.095	7.132	VV	168622	2966590	10	
92	7.157	7.132	7.175	VV	246256	4267448	14	
93	7.201	7.175	7.216	VV	153347	3402056	11	
94	7.241	7.216	7.271	VV	186131	5015971	17	
95	7.284	7.271	7.304	VV	134785	2438402	8	
96	7.328	7.304	7.354	VV	148896	3864850	13.47%	0.341%
97	7.404	7.354	7.425	VV	179002	6710978	23.39%	0.592%
98	7.452	7.425	7.480	VV	315117	6898444	24.04%	0.608%
99	7.493	7.480	7.517	VV	146053	2844863	9.91%	0.251%
100	7.538	7.517	7.550	VV	168927	2777103	9.68%	0.245%
101	7.566	7.550	7.579	VV	199106	3011156	10.49%	0.266%
102	7.616	7.579	7.633	VV	282606	6557895	22.85%	0.578%
103	7.646	7.633	7.682	VV	199547	4750339	16.55%	0.419%
104	7.706	7.682	7.723	VV	238505	4398183	15.33%	0.388%
105	7.735	7.723	7.745	VV	192823	2395024	8.35%	0.211%
106	7.756	7.745	7.775	VV	202286	3112242	10.85%	0.275%
107	7.801	7.775	7.818	VV	199568	4353696	15.17%	0.384%
108	7.850	7.818	7.866	VV	224964	5570985	19.41%	0.491%
109	7.886	7.866	7.924	VV	292398	7323473	25.52%	0.646%
110	7.975	7.924	7.999	VV	845914	15028697	52.37%	1.326%
111	8.023	7.999	8.044	VV	261043	5824812	20.30%	0.514%
112	8.062	8.044	8.081	VV	267753	4857147	16.93%	0.428%
113	8.115	8.081	8.138	VV	228552	7229176	25.19%	0.638%
114	8.150	8.138	8.180	VV	238719	5320679	18.54%	0.469%
115	8.199	8.180	8.221	VV	293914	5622097	19.59%	0.496%
116	8.245	8.221	8.258	VV	232976	4526521	15.77%	0.399%
117	8.270	8.258	8.280	VV	220102	2758748	9.61%	0.243%
118	8.309	8.280	8.376	VV	555866	16404784	57.17%	1.447%
119	8.398	8.376	8.415	VV	247947	5036224	17.55%	0.444%
120	8.439	8.415	8.465	VV	239612	6512528	22.70%	0.574%
121	8.508	8.465	8.521	VV	365891	8477036	29.54%	0.748%
122	8.536	8.521	8.559	VV	302614	6051560	21.09%	0.534%
123	8.571	8.559	8.583	VV	227521	3095239	10.79%	0.273%
124	8.604	8.583	8.626	VV	492734	8302862	28.93%	0.732%
125	8.692	8.626	8.715	VV	1101430	23302641	81.21%	2.055%
126	8.730	8.715	8.747	VV	241560	4332416	15.10%	0.382%
127	8.765	8.747	8.788	VV	285560	5570083	19.41%	0.491%
128	8.834	8.788	8.851	VV	307077	8966748	31.25%	0.791%
129	8.865	8.851	8.879	VV	224158	3591795	12.52%	0.317%
130	8.911	8.879	8.932	VV	306790	8365513	29.15%	0.738%
131	8.950	8.932	8.961	VV	271833	4657176	16.23%	0.411%
132	8.974	8.961	9.023	VV	272413	9189115	32.02%	0.811%
133	9.056	9.023	9.079	VV	326432	8255935	28.77%	0.728%
134	9.099	9.079	9.141	VV	247793	7885271	27.48%	0.696%
135	9.176	9.141	9.187	VV	224579	5499309	19.16%	0.485%
136	9.206	9.187	9.240	VV	245199	7079091	24.67%	0.624%
137	9.272	9.240	9.312	VV	270629	9868259	34.39%	0.870%
138	9.344	9.312	9.391	VV	474249	14382159	50.12%	1.269%
139	9.425	9.391	9.453	VV	404100	10471897	36.49%	0.924%
140	9.508	9.453	9.553	VV	359229	14556582	50.73%	1.284%
141	9.588	9.553	9.625	VV	201972	8143705	28.38%	0.718%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

142	9.631	9.625	9.640	VV	182584	1718021	5.99%	0.152%
143	9.663	9.640	9.680	VV	231164	4932798	17	
144	9.706	9.680	9.734	VV	383591	9613903	33	
145	9.751	9.734	9.771	VV	312328	5805178	20	
146	9.783	9.771	9.791	VV	230662	2683230	9	
147	9.811	9.791	9.841	VV	267591	7790734	27	
148	9.853	9.841	9.895	VV	281213	7589788	26.45%	0.669%
149	9.922	9.895	9.939	VV	215561	5542025	19.31%	0.489%
150	9.965	9.939	10.002	VV	246203	8525572	29.71%	0.752%
151	10.026	10.002	10.068	VV	249716	8438289	29.41%	0.744%
152	10.099	10.068	10.108	VV	246005	5229253	18.22%	0.461%
153	10.143	10.108	10.171	VV	1033822	20764976	72.36%	1.832%
154	10.217	10.171	10.258	VV	253450	12377680	43.13%	1.092%
155	10.285	10.258	10.310	VV	306989	7421811	25.86%	0.655%
156	10.328	10.310	10.351	VV	207052	4858461	16.93%	0.429%
157	10.418	10.351	10.445	VV	291622	12921362	45.03%	1.140%
158	10.488	10.445	10.525	VV	331996	13028456	45.40%	1.149%
159	10.569	10.525	10.595	VV	1522810	28695785	100.00%	2.531%
160	10.606	10.595	10.639	VV	298476	6817612	23.76%	0.601%
161	10.679	10.639	10.724	VV	235130	11303170	39.39%	0.997%
162	10.748	10.724	10.788	VV	248891	8875843	30.93%	0.783%
163	10.826	10.788	10.847	VV	270912	8717140	30.38%	0.769%
164	10.881	10.847	10.921	VV	439291	12558041	43.76%	1.108%
165	10.965	10.921	10.985	VV	234243	8192369	28.55%	0.723%
166	11.015	10.985	11.031	VV	232140	6129469	21.36%	0.541%
167	11.041	11.031	11.075	VV	221179	5676092	19.78%	0.501%
168	11.138	11.075	11.158	VV	237373	11255342	39.22%	0.993%
169	11.187	11.158	11.206	VV	302152	7339776	25.58%	0.647%
170	11.214	11.206	11.234	VV	240166	3853409	13.43%	0.340%
171	11.287	11.234	11.320	VV	975435	21911086	76.36%	1.933%
172	11.344	11.320	11.370	VV	227979	6332089	22.07%	0.559%
173	11.388	11.370	11.411	VV	208510	4787414	16.68%	0.422%
174	11.462	11.411	11.530	VV	258636	15596311	54.35%	1.376%
175	11.559	11.530	11.575	VV	223375	5398885	18.81%	0.476%
176	11.590	11.575	11.613	VV	240040	4912042	17.12%	0.433%
177	11.634	11.613	11.658	VV	201470	5111947	17.81%	0.451%
178	11.682	11.658	11.724	VV	204408	7662674	26.70%	0.676%
179	11.744	11.724	11.775	VV	220643	6243125	21.76%	0.551%
180	11.798	11.775	11.811	VV	203506	4241485	14.78%	0.374%
181	11.840	11.811	11.912	VV	382490	14827591	51.67%	1.308%
182	11.930	11.912	11.947	VV	202236	4001911	13.95%	0.353%
183	11.969	11.947	12.031	VV	212225	9521661	33.18%	0.840%
184	12.055	12.031	12.105	VV	191023	7623381	26.57%	0.672%
185	12.129	12.105	12.139	VV	179774	3529065	12.30%	0.311%
186	12.155	12.139	12.186	VV	179418	4731728	16.49%	0.417%
187	12.211	12.186	12.233	VV	168812	4511233	15.72%	0.398%
188	12.265	12.233	12.326	VV	169370	8658517	30.17%	0.764%
189	12.359	12.326	12.391	VV	165586	6023082	20.99%	0.531%
190	12.419	12.391	12.468	VV	197276	7543382	26.29%	0.665%
191	12.497	12.468	12.545	VV	198013	7274784	25.35%	0.642%
192	12.557	12.545	12.578	VV	145908	2802428	9.77%	0.247%
193	12.600	12.578	12.621	VV	143971	3623970	12.63%	0.320%
194	12.639	12.621	12.701	VV	155030	6258280	21.81%	0.552%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

195	12.711	12.701	12.732	VV	121500	2202906	7.68%	0.194%
196	12.770	12.732	12.802	VV	125748	5007624	17	
197	12.819	12.802	12.840	VV	122324	2662028	9	
198	12.856	12.840	12.895	VV	116927	3628547	12	
199	12.939	12.895	12.967	VV	427081	8814002	30	
200	12.990	12.967	13.024	VV	171287	4771866	16	
201	13.037	13.024	13.062	VV	112938	2499752	8.71%	0.220%
202	13.070	13.062	13.089	VV	103200	1602742	5.59%	0.141%
203	13.108	13.089	13.125	VV	108822	2189756	7.63%	0.193%
204	13.149	13.125	13.195	VV	109637	4255989	14.83%	0.375%
205	13.207	13.195	13.231	VV	97831	2076234	7.24%	0.183%
206	13.246	13.231	13.255	VV	89973	1235739	4.31%	0.109%
207	13.270	13.255	13.298	VV	95512	2279291	7.94%	0.201%
208	13.329	13.298	13.358	VV	115894	3541834	12.34%	0.312%
209	13.377	13.358	13.398	VV	94489	2168185	7.56%	0.191%
210	13.415	13.398	13.488	VV	88397	4412808	15.38%	0.389%
211	13.542	13.488	13.568	VV	89069	3985681	13.89%	0.352%
212	13.603	13.568	13.657	VV	96116	4274221	14.89%	0.377%
213	13.685	13.657	13.719	VV	83296	2734461	9.53%	0.241%
214	13.744	13.719	13.759	VV	74014	1661911	5.79%	0.147%
215	13.773	13.759	13.798	VV	75118	1667835	5.81%	0.147%
216	13.835	13.798	13.868	VV	70744	2822893	9.84%	0.249%
217	13.922	13.868	13.968	VV	91400	4274338	14.90%	0.377%
218	13.990	13.968	14.029	VV	68331	2351515	8.19%	0.207%
219	14.075	14.029	14.171	VV	69842	5250917	18.30%	0.463%
220	14.191	14.171	14.225	VV	64255	1886137	6.57%	0.166%
221	14.250	14.225	14.290	VV	59475	2086555	7.27%	0.184%
222	14.316	14.290	14.345	VV	61575	1884820	6.57%	0.166%
223	14.379	14.345	14.411	VV	66285	2341849	8.16%	0.207%
224	14.421	14.411	14.438	VV	51576	821590	2.86%	0.072%
225	14.448	14.438	14.465	VV	51848	819190	2.85%	0.072%
226	14.498	14.465	14.585	VV	60453	3767973	13.13%	0.332%
227	14.638	14.585	14.658	VV	51164	2136953	7.45%	0.188%
228	14.699	14.658	14.761	VV	50259	2902736	10.12%	0.256%
229	14.791	14.761	14.816	VV	51961	1610288	5.61%	0.142%
230	14.844	14.816	14.892	VV	51787	2215633	7.72%	0.195%
231	14.931	14.892	14.968	VV	51901	2125391	7.41%	0.187%
232	14.992	14.968	15.001	VV	45800	881019	3.07%	0.078%
233	15.041	15.001	15.091	VV	49300	2496578	8.70%	0.220%
234	15.132	15.091	15.179	VV	46486	2361082	8.23%	0.208%
235	15.220	15.179	15.275	VV	48170	2553004	8.90%	0.225%
236	15.348	15.275	15.418	VV	55674	4137697	14.42%	0.365%
237	15.439	15.418	15.469	VV	46186	1296548	4.52%	0.114%
238	15.524	15.469	15.543	VV	45686	1903823	6.63%	0.168%
239	15.562	15.543	15.591	VV	46515	1266083	4.41%	0.112%
240	15.621	15.591	15.678	VV	57386	2549220	8.88%	0.225%
241	15.698	15.678	15.711	VV	44667	856820	2.99%	0.076%
242	15.715	15.711	15.733	VV	42971	553186	1.93%	0.049%
243	15.811	15.733	15.825	VV	50417	2478808	8.64%	0.219%
244	15.848	15.825	15.888	VV	51360	1811315	6.31%	0.160%
245	15.899	15.888	15.921	VV	43347	826392	2.88%	0.073%
246	15.931	15.921	15.948	VV	44405	679923	2.37%	0.060%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

247	15.991	15.948	16.029	VV	50581	2280152	7.95%	0.201%
248	16.055	16.029	16.085	VV	48033	1580713	5	
249	16.129	16.085	16.155	VV	56908	2161116	7	
250	16.170	16.155	16.210	VV	51662	1588129	5	
251	16.242	16.210	16.271	VV	49088	1693948	5	
252	16.291	16.271	16.309	VV	49582	1094744	3	
253	16.329	16.309	16.367	VV	47993	1553540	5.41%	0.137%
254	16.383	16.367	16.421	VV	46511	1463509	5.10%	0.129%
255	16.465	16.421	16.474	VV	49401	1509180	5.26%	0.133%
256	16.503	16.474	16.575	VV	55631	3105807	10.82%	0.274%
257	16.613	16.575	16.695	VV	52152	3461055	12.06%	0.305%
258	16.773	16.695	16.824	VV	57738	3930943	13.70%	0.347%
259	16.885	16.824	16.900	VV	50022	2203133	7.68%	0.194%
260	16.921	16.900	16.954	VV	50923	1639131	5.71%	0.145%
261	16.990	16.954	17.025	VV	67302	2408200	8.39%	0.212%
262	17.080	17.025	17.098	VV	52595	2180175	7.60%	0.192%
263	17.162	17.098	17.191	VV	57341	2840955	9.90%	0.251%
264	17.212	17.191	17.254	VV	52765	1862448	6.49%	0.164%
265	17.272	17.254	17.284	VV	49134	842202	2.93%	0.074%
266	17.318	17.284	17.381	VV	60189	3009071	10.49%	0.265%
267	17.398	17.381	17.461	VV	48448	2175496	7.58%	0.192%
268	17.489	17.461	17.511	VV	47503	1369402	4.77%	0.121%
269	17.575	17.511	17.601	VV	53294	2662953	9.28%	0.235%
270	17.611	17.601	17.620	VV	50462	591573	2.06%	0.052%
271	17.637	17.620	17.658	VV	53502	1117909	3.90%	0.099%
272	17.682	17.658	17.718	VV	49531	1677111	5.84%	0.148%
273	17.778	17.718	17.903	VV	79100	5554953	19.36%	0.490%
274	17.937	17.903	17.958	VV	45920	1445221	5.04%	0.127%
275	17.980	17.958	18.001	VV	49710	1198379	4.18%	0.106%
276	18.013	18.001	18.048	VV	48058	1248286	4.35%	0.110%
277	18.145	18.048	18.200	VV	80601	4312467	15.03%	0.380%
278	18.224	18.200	18.244	VV	38593	994221	3.46%	0.088%
279	18.263	18.244	18.275	VV	37904	688231	2.40%	0.061%
280	18.303	18.275	18.323	VV	41839	1117732	3.90%	0.099%
281	18.344	18.323	18.395	VV	41554	1657296	5.78%	0.146%
282	18.401	18.395	18.418	VV	36560	491869	1.71%	0.043%
283	18.436	18.418	18.454	VV	37227	777148	2.71%	0.069%
284	18.475	18.454	18.538	VV	41693	1809606	6.31%	0.160%
285	18.566	18.538	18.591	VV	47699	1245401	4.34%	0.110%
286	18.617	18.591	18.648	VV	43890	1273305	4.44%	0.112%
287	18.666	18.648	18.715	VV	36939	1377348	4.80%	0.121%
288	18.747	18.715	18.795	VV	36311	1596326	5.56%	0.141%
289	18.821	18.795	18.851	VV	33085	1071173	3.73%	0.094%
290	18.895	18.851	18.933	VV	41463	1730013	6.03%	0.153%
291	18.967	18.933	18.993	VV	35888	1113836	3.88%	0.098%
292	19.058	18.993	19.128	VV	34129	2418353	8.43%	0.213%
293	19.154	19.128	19.165	VV	29027	622291	2.17%	0.055%
294	19.168	19.165	19.211	VV	28900	753136	2.62%	0.066%
295	19.277	19.211	19.333	VV	42095	2319275	8.08%	0.205%
296	19.371	19.333	19.418	VV	30131	1359514	4.74%	0.120%
297	19.462	19.418	19.484	VV	27631	1038200	3.62%	0.092%
298	19.534	19.484	19.575	VV	29191	1462258	5.10%	0.129%
299	19.597	19.575	19.618	VV	26899	679058	2.37%	0.060%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

300	19.670	19.618	19.728	VV	34314	1944874	6.78%	0.172%
301	19.783	19.728	19.816	VV	28950	1359998	4	
302	19.842	19.816	19.910	VV	25813	1403474	4	
303	19.961	19.910	19.991	VV	27220	1237613	4	
304	19.997	19.991	20.016	VV	26915	370270	1	
305	20.049	20.016	20.133	VV	27366	1752811	6	
306	20.180	20.133	20.224	VV	28751	1404832	4.90%	0.124%
307	20.246	20.224	20.298	VV	26148	1068207	3.72%	0.094%
308	20.346	20.298	20.417	VV	24109	1555284	5.42%	0.137%
309	20.459	20.417	20.495	VV	23247	1026874	3.58%	0.091%
310	20.505	20.495	20.518	VV	20283	273283	0.95%	0.024%
311	20.580	20.518	20.628	VV	23439	1347500	4.70%	0.119%
312	20.638	20.628	20.645	VV	17216	167854	0.58%	0.015%
313	20.667	20.645	20.705	VV	18606	626093	2.18%	0.055%
314	20.712	20.705	20.745	VV	17044	382388	1.33%	0.034%
315	20.768	20.745	20.785	VV	15396	347750	1.21%	0.031%
316	20.796	20.785	20.831	VV	15523	392926	1.37%	0.035%
317	20.854	20.831	20.882	VV	14081	407327	1.42%	0.036%
318	20.890	20.882	20.902	VV	12734	148022	0.52%	0.013%
319	20.915	20.902	21.078	VV	13272	1182428	4.12%	0.104%
320	21.124	21.078	21.193	VV	10507	604098	2.11%	0.053%
321	21.227	21.193	21.268	VV	8519	346097	1.21%	0.031%
322	21.274	21.268	21.307	VV	7282	152258	0.53%	0.013%
323	21.334	21.307	21.368	VV	6784	212836	0.74%	0.019%
324	21.377	21.368	21.465	VV	5780	275651	0.96%	0.024%
325	21.477	21.465	21.505	VV	4335	93347	0.33%	0.008%
326	21.522	21.505	21.570	VV	3875	139360	0.49%	0.012%
327	21.595	21.570	21.648	VV	5323	177764	0.62%	0.016%
328	21.656	21.648	21.738	VV	3003	94097	0.33%	0.008%
329	21.750	21.738	21.801	VBA	1760	69254	0.24%	0.006%

Sum of corrected areas: 1133682871

Aliphatic EPH 102324.M Sat Oct 26 00:59:07 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1		SDG No.:	P4518	
Lab Sample ID:	P4518-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048589.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.10		0.38	0.85	mg/kg
Aromatic C12-C16	Aromatic C12-C16	91.9	E	0.43	1.27	mg/kg
Aromatic C16-C21	Aromatic C16-C21	308	E	1.22	2.12	mg/kg
Aromatic C21-C36	Aromatic C21-C36	60.3		2.54	3.39	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.9		40 - 140	130%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	68.0		40 - 140	136%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.9		40 - 140	102%	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:	P4518-01	Acq On:	25 Oct 2024 16:18
Client Sample ID:	EX-5-TPH-1	Operator:	YP/AJ
Data file:	FD048589.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	18930236	107.434	200	ug/ml
Aromatic C12-C16	5.813	8.418	192256556	1080	300	ug/ml
Aromatic C16-C21	8.419	12.680	596891346	3640	500	ug/ml
Aromatic C21-C36	12.681	18.085	108611000	711.209	800	ug/ml
Aromatic EPH	4.094	18.085	916689138	5550		ug/ml
2-Bromonaphthalene (SURR)	7.377	7.377	9849680	64.89		ug/ml
2-Flurobiphenyl (SURR)	8.230	8.230	6682262	68.05		ug/ml
ortho-Terphenyl (SURR)	11.269	11.269	8669784	50.9		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048589.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 16:18
Operator : YP/AJ
Sample : P4518-01
Misc :
ALS Vial : 62 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:02:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.377	9849680	64.895 ug/mlm
Spiked Amount 50.000		Recovery = 129.79%	
6) S 2-Flurobiphenyl (SURR)	8.230	6682262	68.053 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 136.11%#	
11) S ortho-Terphenyl (SURR)	11.269	8669784	50.897 ug/mlm
Spiked Amount 50.000		Recovery = 101.79%	
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048589.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 16:18
Operator : YP/AJ
Sample : P4518-01
Misc :
ALS Vial : 62 Sample Multiplier: 1

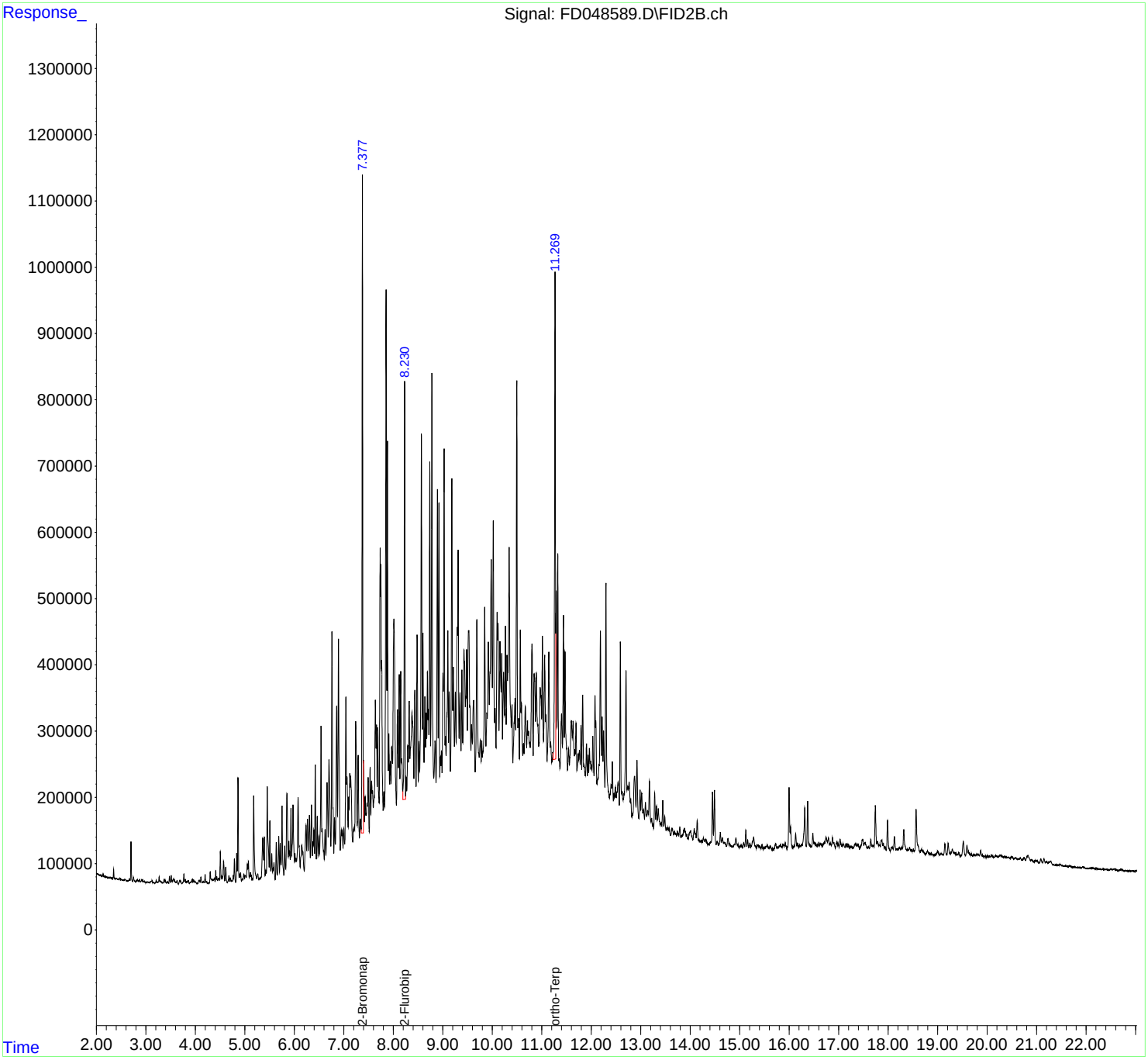
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-1

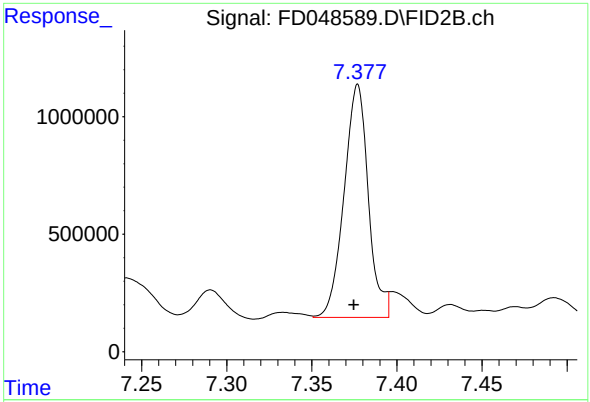
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:02:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





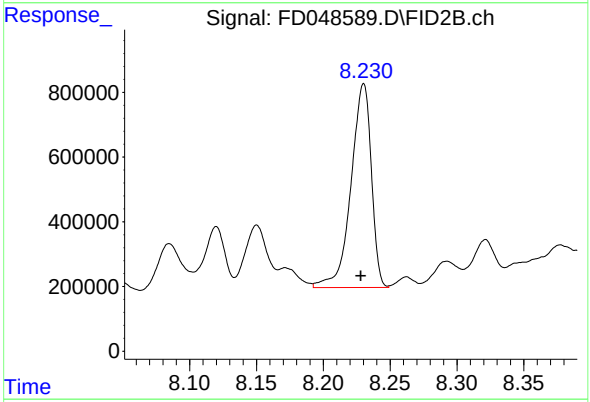
#4 2-Bromonaphthalene (SURR)

R.T.: 7.377 min
Delta R.T.: 0.002 min
Response: 9849680
Conc: 64.89 ug/ml

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

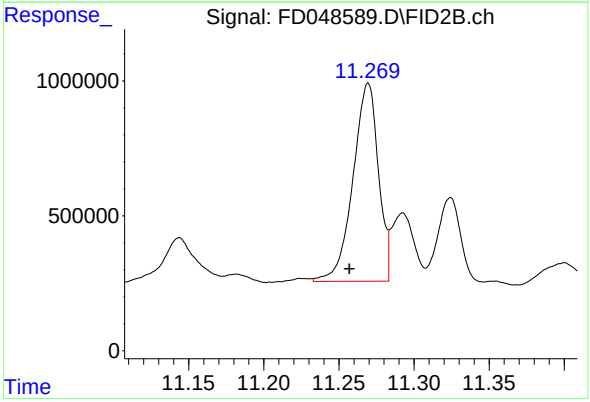
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.002 min
Response: 6682262
Conc: 68.05 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.269 min
Delta R.T.: 0.012 min
Response: 8669784
Conc: 50.90 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10252
Data File : FD048589.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 16:18
Sample : P4518-01
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.226	4.215	4.248	PV	2131	20746	0.12%	0.002%
2	4.276	4.248	4.284	PV	1429	15555	0.09%	0.002%
3	4.301	4.284	4.338	VV	17765	254910	1.51%	0.027%
4	4.349	4.338	4.360	VV	6242	70921	0.42%	0.008%
5	4.385	4.360	4.398	VV	8131	129146	0.77%	0.014%
6	4.412	4.398	4.425	VV	19206	173731	1.03%	0.018%
7	4.434	4.425	4.450	VV	9931	105395	0.63%	0.011%
8	4.465	4.450	4.474	VV	7118	84164	0.50%	0.009%
9	4.481	4.474	4.490	VV	6996	56641	0.34%	0.006%
10	4.505	4.490	4.523	VV	47601	457326	2.72%	0.049%
11	4.532	4.523	4.543	VV	10386	104988	0.62%	0.011%
12	4.570	4.543	4.595	VV	32961	494835	2.94%	0.053%
13	4.614	4.595	4.648	VV	24060	274100	1.63%	0.029%
14	4.679	4.648	4.694	PV	10917	127719	0.76%	0.014%
15	4.707	4.694	4.724	VV	7394	80816	0.48%	0.009%
16	4.735	4.724	4.746	VV	3629	36179	0.21%	0.004%
17	4.765	4.746	4.774	VV	10588	107381	0.64%	0.011%
18	4.789	4.774	4.815	VV	35926	371077	2.20%	0.039%
19	4.836	4.815	4.847	PV	44305	397350	2.36%	0.042%
20	4.862	4.847	4.884	VV	157971	1511891	8.98%	0.161%
21	4.894	4.884	4.903	VV	11979	115319	0.68%	0.012%
22	4.915	4.903	4.930	VV	14342	141615	0.84%	0.015%
23	4.951	4.930	4.961	VV	5048	67171	0.40%	0.007%
24	4.980	4.961	4.995	VV	12193	164931	0.98%	0.018%
25	5.008	4.995	5.028	VV	10070	163524	0.97%	0.017%
26	5.051	5.028	5.062	VV	27135	373220	2.22%	0.040%
27	5.072	5.062	5.088	VV	31521	321424	1.91%	0.034%
28	5.111	5.088	5.123	VV	14302	208811	1.24%	0.022%
29	5.129	5.123	5.144	VV	10244	89016	0.53%	0.009%
30	5.153	5.144	5.160	VV	4670	37048	0.22%	0.004%
31	5.179	5.160	5.238	VV	129943	1684253	10.00%	0.179%
32	5.261	5.238	5.284	VV	11623	209493	1.24%	0.022%
33	5.304	5.284	5.316	VV	5628	78337	0.47%	0.008%
34	5.360	5.316	5.381	VV	64882	1147678	6.82%	0.122%
35	5.392	5.381	5.410	VV	67227	679877	4.04%	0.072%
36	5.425	5.410	5.435	VV	16480	203996	1.21%	0.022%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

37	5.453	5.435	5.492	VV	142623	2143300	12.73%	0.228%
38	5.506	5.492	5.524	VV	90845	913961	[illegible]	
39	5.544	5.524	5.559	VV	41189	528155	[illegible]	
40	5.568	5.559	5.576	VV	18690	164364	[illegible]	
41	5.588	5.576	5.613	VV	27066	341793	[illegible]	
42	5.635	5.613	5.655	VV	57568	618829	[illegible]	
43	5.686	5.655	5.701	VV	66861	883396	5.25%	0.094%
44	5.715	5.701	5.732	VV	55920	634389	3.77%	0.067%
45	5.752	5.732	5.789	VV	112471	1501798	8.92%	0.160%
46	5.806	5.789	5.826	VV	51636	639667	3.80%	0.068%
47	5.852	5.826	5.878	VV	130899	2297353	13.65%	0.244%
48	5.890	5.878	5.902	VV	58583	688000	4.09%	0.073%
49	5.909	5.902	5.918	VV	42638	359361	2.13%	0.038%
50	5.932	5.918	5.947	VV	108465	1165708	6.92%	0.124%
51	5.975	5.947	6.002	VV	113089	2047182	12.16%	0.217%
52	6.014	6.002	6.025	VV	39923	459271	2.73%	0.049%
53	6.034	6.025	6.046	VV	32404	371670	2.21%	0.039%
54	6.077	6.046	6.118	VV	123990	2487223	14.77%	0.264%
55	6.149	6.118	6.168	VV	50747	1161187	6.90%	0.123%
56	6.174	6.168	6.201	VV	41673	556514	3.31%	0.059%
57	6.237	6.201	6.250	VV	81423	1503676	8.93%	0.160%
58	6.266	6.250	6.281	VV	90911	1259593	7.48%	0.134%
59	6.306	6.281	6.324	VV	96453	1671475	9.93%	0.178%
60	6.347	6.324	6.365	VV	111809	1679642	9.98%	0.178%
61	6.377	6.365	6.383	VV	55861	549424	3.26%	0.058%
62	6.396	6.383	6.409	VV	74001	917588	5.45%	0.097%
63	6.424	6.409	6.445	VV	172130	1947471	11.57%	0.207%
64	6.465	6.445	6.481	VV	94344	1283919	7.63%	0.136%
65	6.499	6.481	6.512	VV	64067	932502	5.54%	0.099%
66	6.541	6.512	6.557	VV	229043	3100567	18.42%	0.329%
67	6.563	6.557	6.606	VV	75563	1518979	9.02%	0.161%
68	6.622	6.606	6.639	VV	73728	1053141	6.26%	0.112%
69	6.663	6.639	6.685	VV	144078	2586760	15.37%	0.275%
70	6.702	6.685	6.739	VV	177555	3655877	21.72%	0.388%
71	6.762	6.739	6.799	VV	370662	5587233	33.19%	0.594%
72	6.814	6.799	6.830	VV	91208	1200065	7.13%	0.127%
73	6.857	6.830	6.874	VV	259635	4076689	24.22%	0.433%
74	6.894	6.874	6.930	VV	360647	5856931	34.79%	0.622%
75	6.951	6.930	6.962	VV	72013	1154470	6.86%	0.123%
76	6.971	6.962	6.985	VV	70880	860177	5.11%	0.091%
77	7.002	6.985	7.019	VV	74043	1261810	7.50%	0.134%
78	7.044	7.019	7.057	VV	272353	3591968	21.34%	0.382%
79	7.065	7.057	7.088	VV	151214	2205258	13.10%	0.234%
80	7.101	7.088	7.109	VV	121266	1287702	7.65%	0.137%
81	7.122	7.109	7.130	VV	156642	1744787	10.36%	0.185%
82	7.140	7.130	7.182	VV	151263	3315772	19.70%	0.352%
83	7.213	7.182	7.220	VV	76078	1543176	9.17%	0.164%
84	7.241	7.220	7.272	VV	233773	4736088	28.13%	0.503%
85	7.290	7.272	7.316	VV	183334	3094801	18.38%	0.329%
86	7.333	7.316	7.351	VV	87265	1618130	9.61%	0.172%
87	7.377	7.351	7.418	VV	1059264	13416590	79.70%	1.425%
88	7.431	7.418	7.445	VV	120683	1654801	9.83%	0.176%
89	7.451	7.445	7.457	VV	95643	703362	4.18%	0.075%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

90	7.470	7.457	7.476	VV	111194	1178557	7.00%	0.125%
91	7.492	7.476	7.515	VV	149114	2661685	15	
92	7.532	7.515	7.547	VV	164697	2296705	13	
93	7.563	7.547	7.576	VV	143824	2184444	12	
94	7.582	7.576	7.597	VV	128618	1495421	8	
95	7.638	7.597	7.652	VV	264818	5584160	33	
96	7.662	7.652	7.675	VV	227915	2631155	15.63%	0.280%
97	7.688	7.675	7.714	VV	223462	3701281	21.99%	0.393%
98	7.735	7.714	7.743	VV	493293	5643409	33.52%	0.600%
99	7.749	7.743	7.795	VV	469249	8469496	50.31%	0.900%
100	7.810	7.795	7.826	VV	126531	2107270	12.52%	0.224%
101	7.855	7.826	7.869	VV	884317	11893222	70.65%	1.264%
102	7.882	7.869	7.899	VV	655752	7014954	41.67%	0.745%
103	7.911	7.899	7.927	VV	213668	2975904	17.68%	0.316%
104	7.941	7.927	7.954	VV	171762	2547663	15.13%	0.271%
105	7.969	7.954	7.985	VV	192690	3259574	19.36%	0.346%
106	8.013	7.985	8.063	VV	386473	11684721	69.41%	1.241%
107	8.085	8.063	8.103	VV	249534	4300241	25.54%	0.457%
108	8.120	8.103	8.134	VV	302765	4123415	24.49%	0.438%
109	8.150	8.134	8.166	VV	307142	4456677	26.47%	0.473%
110	8.172	8.166	8.192	VV	174942	2334396	13.87%	0.248%
111	8.230	8.192	8.249	VV	744599	10553933	62.69%	1.121%
112	8.262	8.249	8.273	VV	146562	1919838	11.40%	0.204%
113	8.292	8.273	8.305	VV	194367	3205627	19.04%	0.341%
114	8.321	8.305	8.336	VV	262064	4003956	23.78%	0.425%
115	8.377	8.336	8.416	VV	244792	9835482	58.42%	1.045%
116	8.435	8.416	8.460	VV	277341	5604513	33.29%	0.595%
117	8.482	8.460	8.505	VV	360508	6530403	38.79%	0.694%
118	8.519	8.505	8.533	VV	199991	2867678	17.03%	0.305%
119	8.568	8.533	8.586	VV	663908	11100770	65.94%	1.179%
120	8.599	8.586	8.622	VV	362631	5461473	32.44%	0.580%
121	8.639	8.622	8.652	VV	266985	4004069	23.78%	0.425%
122	8.666	8.652	8.676	VV	242648	3152522	18.73%	0.335%
123	8.690	8.676	8.702	VV	304071	4019594	23.88%	0.427%
124	8.709	8.702	8.719	VV	248123	2368114	14.07%	0.252%
125	8.738	8.719	8.754	VV	621480	7919189	47.04%	0.841%
126	8.780	8.754	8.817	VV	754897	12935693	76.84%	1.374%
127	8.844	8.817	8.864	VV	199027	4720010	28.04%	0.501%
128	8.892	8.864	8.908	VV	578209	8687815	51.61%	0.923%
129	8.923	8.908	8.940	VV	559313	6613191	39.28%	0.703%
130	8.953	8.940	8.963	VV	175124	2224826	13.22%	0.236%
131	8.973	8.963	8.986	VV	184040	2377835	14.12%	0.253%
132	9.004	8.986	9.011	VV	301195	3655818	21.72%	0.388%
133	9.027	9.011	9.046	VV	640031	8579783	50.96%	0.912%
134	9.053	9.046	9.067	VV	206078	2418624	14.37%	0.257%
135	9.103	9.067	9.117	VV	365074	7715845	45.83%	0.820%
136	9.130	9.117	9.154	VV	272707	4764983	28.30%	0.506%
137	9.183	9.154	9.201	VV	594818	9724262	57.76%	1.033%
138	9.213	9.201	9.236	VV	309715	5273642	31.33%	0.560%
139	9.255	9.236	9.271	VV	271796	4842762	28.77%	0.515%
140	9.293	9.271	9.298	VV	369190	4969004	29.52%	0.528%
141	9.311	9.298	9.330	VV	485817	6863944	40.77%	0.729%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

142	9.349	9.330	9.369	VV	270743	5274732	31.33%	0.560%
143	9.387	9.369	9.404	VV	303607	4918952	29	
144	9.429	9.404	9.458	VV	334840	8924600	53	
145	9.482	9.458	9.497	VV	334971	6567600	39	
146	9.527	9.497	9.570	VV	363726	12385108	73	
147	9.583	9.570	9.599	VV	221764	3614919	21	
148	9.624	9.599	9.655	VV	257005	7305485	43.39%	0.776%
149	9.689	9.655	9.737	VV	379549	11148359	66.22%	1.184%
150	9.761	9.737	9.776	VV	197263	4381201	26.02%	0.465%
151	9.790	9.776	9.801	VV	195642	2728135	16.21%	0.290%
152	9.848	9.801	9.873	VV	398679	10366670	61.58%	1.101%
153	9.893	9.873	9.900	VV	238164	3547622	21.07%	0.377%
154	9.922	9.900	9.941	VV	345155	7085420	42.09%	0.753%
155	9.981	9.941	10.003	VV	469371	12861714	76.40%	1.366%
156	10.021	10.003	10.049	VV	527455	9662422	57.40%	1.027%
157	10.058	10.049	10.077	VV	244218	3713071	22.06%	0.394%
158	10.099	10.077	10.109	VV	389880	5952954	35.36%	0.632%
159	10.118	10.109	10.137	VV	372295	5195004	30.86%	0.552%
160	10.157	10.137	10.179	VV	345029	7266466	43.16%	0.772%
161	10.192	10.179	10.208	VV	326644	4796172	28.49%	0.510%
162	10.230	10.208	10.248	VV	298572	6267868	37.23%	0.666%
163	10.267	10.248	10.282	VV	367992	5966724	35.44%	0.634%
164	10.299	10.282	10.310	VV	323982	4651197	27.63%	0.494%
165	10.342	10.310	10.385	VV	485930	14513216	86.21%	1.542%
166	10.400	10.385	10.417	VV	248369	4245284	25.22%	0.451%
167	10.461	10.417	10.474	VV	257945	7255686	43.10%	0.771%
168	10.497	10.474	10.520	VV	737441	11325572	67.27%	1.203%
169	10.532	10.520	10.549	VV	227628	3556405	21.13%	0.378%
170	10.568	10.549	10.583	VV	361151	5428010	32.24%	0.577%
171	10.590	10.583	10.617	VV	250270	4456761	26.47%	0.474%
172	10.633	10.617	10.643	VV	189784	2792722	16.59%	0.297%
173	10.669	10.643	10.695	VV	244301	6625431	39.36%	0.704%
174	10.711	10.695	10.727	VV	223068	3912805	23.24%	0.416%
175	10.734	10.727	10.770	VV	207228	4946559	29.38%	0.526%
176	10.804	10.770	10.827	VV	339065	8835054	52.48%	0.939%
177	10.847	10.827	10.874	VV	294086	7060782	41.94%	0.750%
178	10.891	10.874	10.917	VV	295053	6510097	38.67%	0.692%
179	10.922	10.917	10.937	VV	217135	2513708	14.93%	0.267%
180	10.969	10.937	10.998	VV	272727	8534159	50.69%	0.907%
181	11.014	10.998	11.036	VV	350182	6083330	36.14%	0.646%
182	11.060	11.036	11.078	VV	321129	6451517	38.32%	0.685%
183	11.086	11.078	11.108	VV	230423	3695229	21.95%	0.393%
184	11.144	11.108	11.173	VV	325611	8783506	52.17%	0.933%
185	11.182	11.173	11.202	VV	189915	3104056	18.44%	0.330%
186	11.270	11.202	11.284	VV	898104	16834886	100.00%	1.789%
187	11.292	11.284	11.308	VV	416516	4868639	28.92%	0.517%
188	11.324	11.308	11.347	VV	472641	7017725	41.69%	0.746%
189	11.353	11.347	11.370	VV	163165	2229279	13.24%	0.237%
190	11.400	11.370	11.418	VV	231675	5605142	33.29%	0.596%
191	11.439	11.418	11.455	VV	380314	6016975	35.74%	0.639%
192	11.470	11.455	11.521	VV	324851	8527067	50.65%	0.906%
193	11.542	11.521	11.561	VV	178310	3869435	22.98%	0.411%
194	11.599	11.561	11.617	VV	220032	6529201	38.78%	0.694%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

195	11.634	11.617	11.660	VV	219806	5067055	30.10%	0.538%
196	11.669	11.660	11.676	VV	176005	1624751	9	
197	11.694	11.676	11.711	VV	216659	3849453	22	
198	11.738	11.711	11.747	VV	170040	3396270	20	
199	11.761	11.747	11.777	VV	175131	3056324	18	
200	11.794	11.777	11.808	VV	212003	3223900	19	
201	11.827	11.808	11.849	VV	258474	5005265	29.73%	0.532%
202	11.856	11.849	11.875	VV	151523	2252878	13.38%	0.239%
203	11.905	11.875	11.922	VV	184456	4343584	25.80%	0.461%
204	11.936	11.922	11.948	VV	167492	2422447	14.39%	0.257%
205	11.963	11.948	11.979	VV	177809	2936243	17.44%	0.312%
206	11.985	11.979	11.995	VV	158295	1477231	8.77%	0.157%
207	12.004	11.995	12.015	VV	151906	1781123	10.58%	0.189%
208	12.032	12.015	12.057	VV	195689	4114056	24.44%	0.437%
209	12.077	12.057	12.088	VV	256368	3809198	22.63%	0.405%
210	12.094	12.088	12.115	VV	217821	2854993	16.96%	0.303%
211	12.186	12.115	12.205	VV	352752	9942733	59.06%	1.056%
212	12.220	12.205	12.237	VV	224134	3720145	22.10%	0.395%
213	12.250	12.237	12.276	VV	202979	3833727	22.77%	0.407%
214	12.298	12.276	12.367	VV	424181	9699039	57.61%	1.030%
215	12.403	12.367	12.411	VV	121015	2966523	17.62%	0.315%
216	12.427	12.411	12.448	VV	155501	2792004	16.58%	0.297%
217	12.461	12.448	12.470	VV	107674	1398877	8.31%	0.149%
218	12.489	12.470	12.504	VV	116871	2195698	13.04%	0.233%
219	12.542	12.504	12.567	VV	124416	4274840	25.39%	0.454%
220	12.589	12.567	12.620	VV	335301	5540446	32.91%	0.589%
221	12.626	12.620	12.643	VV	109491	1408557	8.37%	0.150%
222	12.666	12.643	12.672	VV	106991	1796991	10.67%	0.191%
223	12.704	12.672	12.724	VV	292154	5578097	33.13%	0.593%
224	12.732	12.724	12.738	VV	115840	1004947	5.97%	0.107%
225	12.745	12.738	12.753	VV	115212	1001980	5.95%	0.106%
226	12.767	12.753	12.790	VV	123695	2450754	14.56%	0.260%
227	12.799	12.790	12.825	VV	96547	1825369	10.84%	0.194%
228	12.832	12.825	12.842	VV	75362	742458	4.41%	0.079%
229	12.874	12.842	12.905	VV	132022	4023544	23.90%	0.427%
230	12.925	12.905	12.960	VV	155967	3530609	20.97%	0.375%
231	12.988	12.960	13.003	VV	110987	2214376	13.15%	0.235%
232	13.020	13.003	13.042	VV	105567	2156574	12.81%	0.229%
233	13.058	13.042	13.076	VV	81304	1570776	9.33%	0.167%
234	13.096	13.076	13.123	VV	91869	2189682	13.01%	0.233%
235	13.144	13.123	13.156	VV	78385	1483542	8.81%	0.158%
236	13.177	13.156	13.205	VV	123583	2684473	15.95%	0.285%
237	13.222	13.205	13.240	VV	67510	1316559	7.82%	0.140%
238	13.250	13.240	13.262	VV	58732	739642	4.39%	0.079%
239	13.283	13.262	13.304	VV	105409	1951510	11.59%	0.207%
240	13.319	13.304	13.337	VV	85472	1499869	8.91%	0.159%
241	13.356	13.337	13.395	VV	81610	2343105	13.92%	0.249%
242	13.409	13.395	13.423	VV	60169	987168	5.86%	0.105%
243	13.447	13.423	13.467	VV	93498	1878523	11.16%	0.200%
244	13.487	13.467	13.512	VV	69270	1591327	9.45%	0.169%
245	13.527	13.512	13.545	VV	52280	1004467	5.97%	0.107%
246	13.555	13.545	13.569	VV	51903	703862	4.18%	0.075%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

247	13.580	13.569	13.603	VV	51396	953268	5.66%	0.101%
248	13.633	13.603	13.664	VV	51200	1665564	9	
249	13.685	13.664	13.701	VV	46180	970422	5	
250	13.709	13.701	13.725	VV	43205	605498	3	
251	13.741	13.725	13.769	VV	45563	1094203	6	
252	13.791	13.769	13.815	VV	52115	1222722	7	
253	13.885	13.815	13.919	VV	50062	2668430	15.85%	0.284%
254	13.931	13.919	13.954	VV	40200	778768	4.63%	0.083%
255	14.007	13.954	14.053	VV	45775	2350919	13.96%	0.250%
256	14.082	14.053	14.122	VV	49048	1668218	9.91%	0.177%
257	14.143	14.122	14.169	VV	60811	1252346	7.44%	0.133%
258	14.177	14.169	14.200	VV	32196	575207	3.42%	0.061%
259	14.212	14.200	14.247	VV	30121	811814	4.82%	0.086%
260	14.268	14.247	14.286	VV	34515	737795	4.38%	0.078%
261	14.305	14.286	14.322	VV	31400	633137	3.76%	0.067%
262	14.331	14.322	14.375	VV	29643	844462	5.02%	0.090%
263	14.412	14.375	14.422	VV	27178	717453	4.26%	0.076%
264	14.451	14.422	14.472	VV	102370	1683348	10.00%	0.179%
265	14.491	14.472	14.525	VV	105230	1770515	10.52%	0.188%
266	14.546	14.525	14.570	VV	27863	679375	4.04%	0.072%
267	14.610	14.570	14.630	VV	41122	1047846	6.22%	0.111%
268	14.652	14.630	14.677	VV	32689	805792	4.79%	0.086%
269	14.689	14.677	14.734	VV	25565	802652	4.77%	0.085%
270	14.763	14.734	14.861	VV	31158	1726575	10.26%	0.183%
271	14.924	14.861	14.955	VV	31683	1314495	7.81%	0.140%
272	14.965	14.955	14.987	VV	21434	377395	2.24%	0.040%
273	15.015	14.987	15.026	VV	19306	422769	2.51%	0.045%
274	15.040	15.026	15.057	VV	20527	349397	2.08%	0.037%
275	15.080	15.057	15.100	VV	23354	526945	3.13%	0.056%
276	15.124	15.100	15.145	VV	42529	756501	4.49%	0.080%
277	15.162	15.145	15.183	VV	28159	512088	3.04%	0.054%
278	15.203	15.183	15.222	VV	22842	453306	2.69%	0.048%
279	15.282	15.222	15.340	VV	31700	1543626	9.17%	0.164%
280	15.358	15.340	15.400	VV	19765	639189	3.80%	0.068%
281	15.407	15.400	15.431	VV	16877	292494	1.74%	0.031%
282	15.452	15.431	15.472	VV	19530	397128	2.36%	0.042%
283	15.484	15.472	15.497	VV	14876	215493	1.28%	0.023%
284	15.526	15.497	15.544	VV	16855	433364	2.57%	0.046%
285	15.559	15.544	15.602	VV	18566	561946	3.34%	0.060%
286	15.618	15.602	15.682	VV	16895	653498	3.88%	0.069%
287	15.728	15.682	15.752	VV	19324	646954	3.84%	0.069%
288	15.762	15.752	15.779	VV	15140	228547	1.36%	0.024%
289	15.826	15.779	15.855	VV	17922	724054	4.30%	0.077%
290	15.878	15.855	15.899	VV	18009	440856	2.62%	0.047%
291	15.922	15.899	15.953	VV	19968	543221	3.23%	0.058%
292	15.999	15.953	16.019	VV	103995	1707535	10.14%	0.181%
293	16.028	16.019	16.074	VV	44846	840677	4.99%	0.089%
294	16.132	16.074	16.157	VV	34054	975131	5.79%	0.104%
295	16.173	16.157	16.195	VV	19195	374971	2.23%	0.040%
296	16.211	16.195	16.219	VV	15237	209550	1.24%	0.022%
297	16.251	16.219	16.264	VV	17435	426854	2.54%	0.045%
298	16.316	16.264	16.350	VV	72448	1663897	9.88%	0.177%
299	16.374	16.350	16.453	VV	81916	1703960	10.12%	0.181%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

300	16.479	16.453	16.523	VV	33628	865736	5.14%	0.092%
301	16.538	16.523	16.567	VV	17547	414473		
302	16.588	16.567	16.607	VV	18606	370133		
303	16.621	16.607	16.670	VV	16682	584711		
304	16.745	16.670	16.775	VV	26769	1222413		
305	16.795	16.775	16.820	VV	24620	545672		
306	16.834	16.820	16.855	VV	17639	329248	1.96%	0.035%
307	16.877	16.855	16.934	VV	25375	799639	4.75%	0.085%
308	16.964	16.934	16.984	VV	17760	445599	2.65%	0.047%
309	16.994	16.984	17.010	VV	15568	210348	1.25%	0.022%
310	17.030	17.010	17.066	VV	22169	528457	3.14%	0.056%
311	17.095	17.066	17.127	VV	14766	469522	2.79%	0.050%
312	17.150	17.127	17.174	VV	15550	348676	2.07%	0.037%
313	17.192	17.174	17.238	VV	14003	421548	2.50%	0.045%
314	17.254	17.238	17.280	VV	10603	240112	1.43%	0.026%
315	17.328	17.280	17.373	VV	14315	657219	3.90%	0.070%
316	17.393	17.373	17.422	VV	13482	326806	1.94%	0.035%
317	17.483	17.422	17.508	VV	20146	702593	4.17%	0.075%
318	17.535	17.508	17.583	VV	15463	522023	3.10%	0.055%
319	17.605	17.583	17.624	VV	8518	184938	1.10%	0.020%
320	17.650	17.624	17.670	VV	20002	364566	2.17%	0.039%
321	17.677	17.670	17.699	VV	11204	170929	1.02%	0.018%
322	17.705	17.699	17.717	VV	10367	103952	0.62%	0.011%
323	17.742	17.717	17.772	VV	70886	1140765	6.78%	0.121%
324	17.784	17.772	17.842	VV	16687	505462	3.00%	0.054%
325	17.868	17.842	17.894	VV	18445	440456	2.62%	0.047%
326	17.904	17.894	17.927	VV	13900	199054	1.18%	0.021%
327	17.939	17.927	17.961	VV	7914	118411	0.70%	0.013%
328	17.989	17.961	18.042	VV	47505	721667	4.29%	0.077%
329	18.076	18.042	18.105	VV	6990	180489	1.07%	0.019%
330	18.128	18.105	18.159	VV	22641	351882	2.09%	0.037%
331	18.169	18.159	18.179	VV	3498	37141	0.22%	0.004%
332	18.185	18.179	18.202	VV	3341	40425	0.24%	0.004%
333	18.230	18.202	18.250	VBA	6236	146355	0.87%	0.016%

Sum of corrected areas: 941235459

Aromatic EPH 102324.M Sat Oct 26 01:29:59 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1DL		SDG No.:	P4518	
Lab Sample ID:	P4518-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067548.D	5	10/25/24	10/28/24	PB164396

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		37.1		2.41	6.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		278	E	1.53	4.24	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		274	E	1.91	6.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		31.0		5.08	8.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		55.7		11.4	12.7	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		8.46		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-01DL	Acq On:	28 Oct 2024 18:16
Client Sample ID:	EX-5-TPH-1DL	Operator:	YP/AJ
Data file:	FC067548.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	11864579	87.581	300	ug/ml
Aliphatic C12-C16	6.454	9.842	86636057	657.92	200	ug/ml
Aliphatic C16-C21	9.843	13.200	82408747	647.689	300	ug/ml
Aliphatic C21-C28	13.201	16.853	8794558	73.233	400	ug/ml
Aliphatic C28-C40	16.854	21.695	13301454	131.576	600	ug/ml
Aliphatic EPH	3.173	21.695	203005395	1600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	913742	8.46		ug/ml
Aliphatic C9-C28	3.173	16.853	189703941	1470	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067548.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 18:16
Operator : YP/AJ
Sample : P4518-01DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:44:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.931	913742	8.461 ug/ml
Spiked Amount 50.000		Recovery = 16.92%	
Target Compounds			

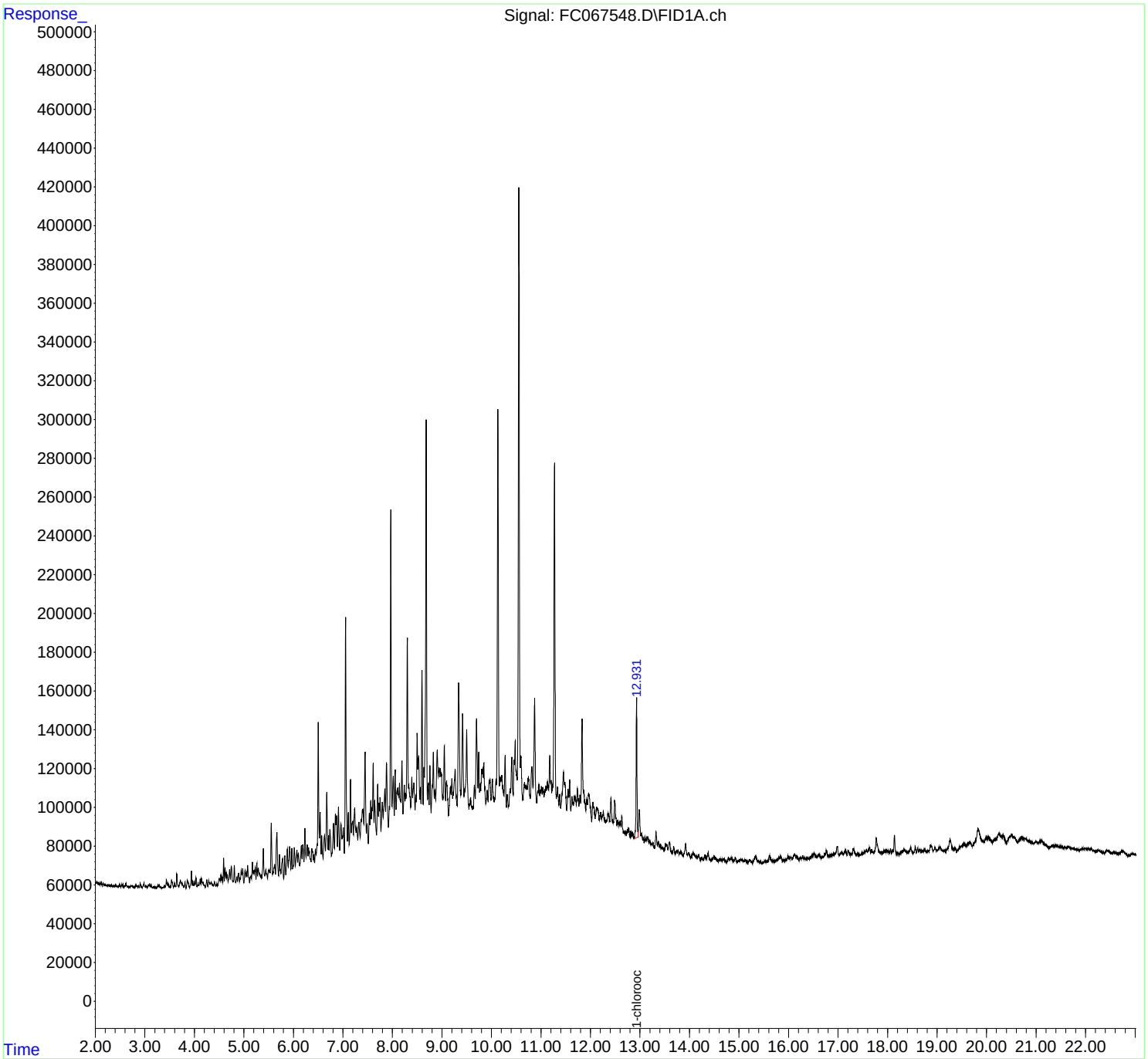
(f)=RT Delta > 1/2 Window (m)=manual int.

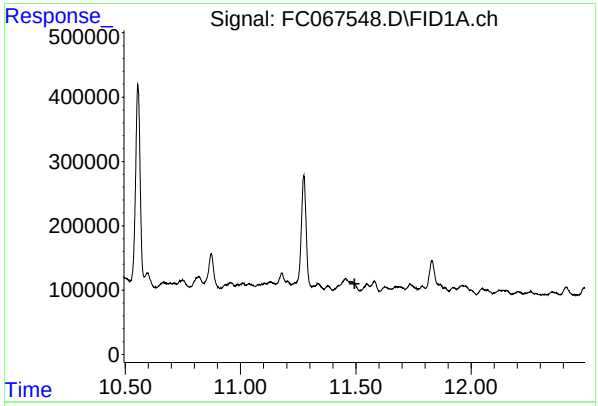
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067548.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 18:16
Operator : YP/AJ
Sample : P4518-01DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:44:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

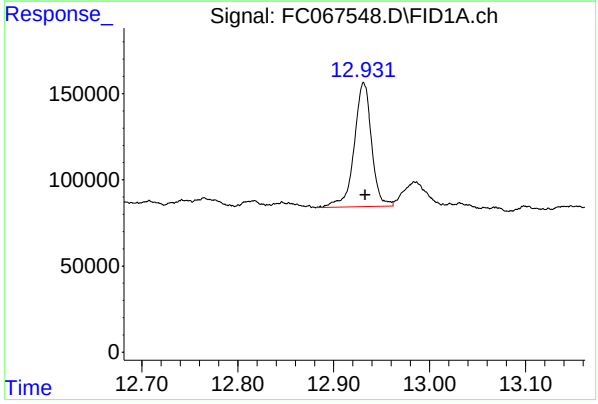




#9 ortho-Terphenyl (SURR)

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

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



#12 1-chlorooctadecane (SURR)

R.T.: 12.931 min
Delta R.T.: -0.002 min
Response: 913742
Conc: 8.46 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067548.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 18:16
Sample : P4518-01DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.168	3.154	3.181	PV	274	2324	0.04%	0.001%
2	3.194	3.181	3.234	PV	373	3595	0.06%	0.002%
3	3.268	3.234	3.280	VV	1175	17749	0.29%	0.009%
4	3.292	3.280	3.308	VV	1577	15467	0.26%	0.008%
5	3.320	3.308	3.345	VV	392	5145	0.09%	0.003%
6	3.367	3.345	3.377	PV	202	2635	0.04%	0.001%
7	3.397	3.377	3.409	VV	1265	13580	0.23%	0.007%
8	3.436	3.409	3.461	VV	4368	63899	1.06%	0.031%
9	3.473	3.461	3.491	VV	1998	24375	0.40%	0.012%
10	3.509	3.491	3.520	VV	779	9143	0.15%	0.004%
11	3.539	3.520	3.576	VV	3845	68661	1.14%	0.034%
12	3.600	3.576	3.621	VV	2501	36926	0.61%	0.018%
13	3.645	3.621	3.685	VV	7493	97926	1.62%	0.048%
14	3.718	3.685	3.741	VV	3869	82773	1.37%	0.040%
15	3.750	3.741	3.791	VV	2551	42837	0.71%	0.021%
16	3.810	3.791	3.830	VV	2955	28918	0.48%	0.014%
17	3.858	3.830	3.904	PV	3987	78966	1.31%	0.039%
18	3.940	3.904	3.956	VV	8622	96974	1.61%	0.047%
19	3.968	3.956	3.985	VV	3392	36795	0.61%	0.018%
20	4.000	3.985	4.017	VV	3210	39229	0.65%	0.019%
21	4.034	4.017	4.055	VV	5003	55059	0.91%	0.027%
22	4.075	4.055	4.090	VV	1733	22033	0.37%	0.011%
23	4.117	4.090	4.129	VV	4347	53841	0.89%	0.026%
24	4.144	4.129	4.224	VV	4670	107125	1.77%	0.052%
25	4.251	4.224	4.270	VV	3732	46167	0.76%	0.023%
26	4.291	4.270	4.314	VV	3175	48542	0.80%	0.024%
27	4.337	4.314	4.365	VV	2110	48195	0.80%	0.024%
28	4.375	4.365	4.389	VV	1099	11664	0.19%	0.006%
29	4.406	4.389	4.429	VV	2624	32987	0.55%	0.016%
30	4.455	4.429	4.469	VV	1175	18929	0.31%	0.009%
31	4.501	4.469	4.519	VV	4185	82594	1.37%	0.040%
32	4.535	4.519	4.549	VV	6096	80228	1.33%	0.039%
33	4.561	4.549	4.574	VV	4787	56590	0.94%	0.028%
34	4.591	4.574	4.606	VV	14499	143591	2.38%	0.070%
35	4.620	4.606	4.633	VV	9572	107400	1.78%	0.052%
36	4.644	4.633	4.657	VV	7128	86315	1.43%	0.042%

37	4.666	4.657	4.681	VV	5961	62352	1.03%	0.030%
38	4.711	4.681	4.727	VV	8457	140161	2.32%	0.068%
39	4.747	4.727	4.787	VV	10045	193500	3.21%	0.094%
40	4.807	4.787	4.834	VV	10516	134965	2.24%	0.066%
41	4.858	4.834	4.871	VV	4607	67075	1.11%	0.033%
42	4.892	4.871	4.911	VV	6239	107025	1.77%	0.052%
43	4.922	4.911	4.929	VV	3837	34338	0.57%	0.017%
44	4.945	4.929	4.958	VV	7803	98154	1.63%	0.048%
45	4.976	4.958	4.999	VV	8642	134110	2.22%	0.065%
46	5.025	4.999	5.041	VV	7792	128226	2.12%	0.063%
47	5.052	5.041	5.061	VV	6593	65883	1.09%	0.032%
48	5.076	5.061	5.115	VV	10187	179499	2.97%	0.088%
49	5.142	5.115	5.153	VV	4668	82295	1.36%	0.040%
50	5.172	5.153	5.203	VV	11744	222641	3.69%	0.109%
51	5.229	5.203	5.245	VV	9055	168278	2.79%	0.082%
52	5.261	5.245	5.276	VV	11200	137715	2.28%	0.067%
53	5.291	5.276	5.312	VV	8809	148875	2.47%	0.073%
54	5.320	5.312	5.338	VV	5863	77787	1.29%	0.038%
55	5.350	5.338	5.361	VV	4944	59862	0.99%	0.029%
56	5.393	5.361	5.420	VV	18562	313861	5.20%	0.153%
57	5.442	5.420	5.477	VV	7530	192651	3.19%	0.094%
58	5.497	5.477	5.507	VV	7295	104687	1.73%	0.051%
59	5.517	5.507	5.530	VV	7185	94521	1.57%	0.046%
60	5.553	5.530	5.580	VV	31241	461591	7.65%	0.225%
61	5.620	5.580	5.638	VV	10099	265811	4.40%	0.130%
62	5.667	5.638	5.700	VV	26788	536848	8.90%	0.262%
63	5.719	5.700	5.749	VV	15199	256806	4.26%	0.125%
64	5.780	5.749	5.804	VV	13014	282259	4.68%	0.138%
65	5.826	5.804	5.847	VV	14286	207838	3.44%	0.101%
66	5.877	5.847	5.896	VV	17924	333623	5.53%	0.163%
67	5.924	5.896	5.950	VV	18946	428568	7.10%	0.209%
68	5.968	5.950	5.988	VV	18093	269609	4.47%	0.132%
69	6.019	5.988	6.039	VV	18442	387206	6.42%	0.189%
70	6.071	6.039	6.085	VV	17150	367031	6.08%	0.179%
71	6.100	6.085	6.125	VV	15346	301919	5.00%	0.147%
72	6.160	6.125	6.174	VV	19413	397248	6.58%	0.194%
73	6.189	6.174	6.214	VV	19600	386502	6.40%	0.189%
74	6.233	6.214	6.256	VV	28356	482761	8.00%	0.236%
75	6.279	6.256	6.295	VV	19395	395952	6.56%	0.193%
76	6.307	6.295	6.356	VV	18112	527319	8.74%	0.258%
77	6.374	6.356	6.401	VV	17460	394147	6.53%	0.192%
78	6.412	6.401	6.428	VV	14285	199597	3.31%	0.097%
79	6.446	6.428	6.459	VV	16872	266630	4.42%	0.130%
80	6.502	6.459	6.525	VV	82236	1372485	22.74%	0.670%
81	6.540	6.525	6.560	VV	35765	543651	9.01%	0.265%
82	6.573	6.560	6.599	VV	23884	404455	6.70%	0.198%
83	6.628	6.599	6.648	VV	23873	571782	9.47%	0.279%
84	6.674	6.648	6.699	VV	46019	871897	14.45%	0.426%
85	6.710	6.699	6.722	VV	23701	280335	4.64%	0.137%
86	6.738	6.722	6.769	VV	26914	583778	9.67%	0.285%
87	6.810	6.769	6.829	VV	30146	732428	12.14%	0.358%
88	6.850	6.829	6.861	VV	34695	532230	8.82%	0.260%
89	6.872	6.861	6.890	VV	33919	479697	7.95%	0.234%

90	6.911	6.890	6.936	VV	38174	718863	11.91%	0.351%
91	6.961	6.936	6.982	VV	29599	662363	10.97%	0.323%
92	7.009	6.982	7.029	VV	27657	641627	10.63%	0.313%
93	7.055	7.029	7.092	VV	136543	2075012	34.38%	1.013%
94	7.108	7.092	7.128	VV	35006	582069	9.64%	0.284%
95	7.154	7.128	7.172	VV	52451	865611	14.34%	0.423%
96	7.197	7.172	7.212	VV	30399	691124	11.45%	0.338%
97	7.238	7.212	7.268	VV	37340	999144	16.56%	0.488%
98	7.281	7.268	7.301	VV	27484	492609	8.16%	0.241%
99	7.324	7.301	7.350	VV	30094	755257	12.51%	0.369%
100	7.400	7.350	7.422	VV	36466	1364745	22.61%	0.666%
101	7.448	7.422	7.476	VV	65888	1408294	23.33%	0.688%
102	7.489	7.476	7.514	VV	28980	563937	9.34%	0.275%
103	7.534	7.514	7.547	VV	34433	557321	9.23%	0.272%
104	7.563	7.547	7.576	VV	40889	610581	10.12%	0.298%
105	7.612	7.576	7.629	VV	60269	1326725	21.98%	0.648%
106	7.642	7.629	7.681	VV	41047	1000399	16.58%	0.489%
107	7.702	7.681	7.719	VV	49517	850826	14.10%	0.415%
108	7.731	7.719	7.740	VV	39521	471393	7.81%	0.230%
109	7.751	7.740	7.769	VV	42421	620976	10.29%	0.303%
110	7.796	7.769	7.814	VV	39850	904315	14.98%	0.442%
111	7.846	7.814	7.862	VV	46698	1132699	18.77%	0.553%
112	7.882	7.862	7.920	VV	60237	1488787	24.67%	0.727%
113	7.968	7.920	7.993	VV	189758	3130735	51.87%	1.529%
114	8.018	7.993	8.038	VV	52685	1205301	19.97%	0.589%
115	8.056	8.038	8.076	VV	55202	1000053	16.57%	0.488%
116	8.109	8.076	8.130	VV	46943	1394110	23.10%	0.681%
117	8.144	8.130	8.173	VV	49134	1134824	18.80%	0.554%
118	8.193	8.173	8.214	VV	60624	1148769	19.03%	0.561%
119	8.240	8.214	8.253	VV	48042	968029	16.04%	0.473%
120	8.264	8.253	8.274	VV	43859	517457	8.57%	0.253%
121	8.302	8.274	8.371	VV	124677	3432761	56.88%	1.676%
122	8.392	8.371	8.409	VV	51808	1016724	16.85%	0.497%
123	8.434	8.409	8.459	VV	49154	1325720	21.97%	0.647%
124	8.501	8.459	8.514	VV	73858	1691977	28.03%	0.826%
125	8.531	8.514	8.553	VV	62118	1283602	21.27%	0.627%
126	8.566	8.553	8.577	VV	46008	628080	10.41%	0.307%
127	8.598	8.577	8.620	VV	106862	1721303	28.52%	0.841%
128	8.683	8.620	8.709	VV	237775	4942241	81.89%	2.414%
129	8.724	8.709	8.742	VV	48604	875801	14.51%	0.428%
130	8.759	8.742	8.782	VV	57798	1117238	18.51%	0.546%
131	8.827	8.782	8.846	VV	64395	1837443	30.44%	0.897%
132	8.858	8.846	8.873	VV	44788	719510	11.92%	0.351%
133	8.905	8.873	8.927	VV	65019	1755784	29.09%	0.857%
134	8.944	8.927	8.957	VV	56193	961596	15.93%	0.470%
135	8.970	8.957	8.982	VV	56004	817697	13.55%	0.399%
136	8.989	8.982	9.015	VV	53527	929391	15.40%	0.454%
137	9.049	9.015	9.074	VV	67748	1768696	29.31%	0.864%
138	9.094	9.074	9.135	VV	49262	1553281	25.74%	0.759%
139	9.202	9.135	9.218	VV	50283	2100112	34.80%	1.026%
140	9.229	9.218	9.233	VV	42915	397171	6.58%	0.194%
141	9.266	9.233	9.305	VV	54485	1970791	32.65%	0.962%

142	9.338	9.305	9.381	VV	98783	2866789	47.50%	1.400%
143	9.419	9.381	9.446	VV	83758	2223959	36.85%	1.086%
144	9.501	9.446	9.545	VV	75405	2933736	48.61%	1.433%
145	9.580	9.545	9.611	VV	40439	1462639	24.23%	0.714%
146	9.626	9.611	9.633	VV	35449	471615	7.81%	0.230%
147	9.656	9.633	9.673	VV	46813	977893	16.20%	0.478%
148	9.699	9.673	9.728	VV	80417	1984541	32.88%	0.969%
149	9.744	9.728	9.764	VV	63515	1148225	19.03%	0.561%
150	9.775	9.764	9.784	VV	47165	546461	9.05%	0.267%
151	9.805	9.784	9.833	VV	54531	1516587	25.13%	0.741%
152	9.846	9.833	9.891	VV	57675	1626300	26.95%	0.794%
153	9.914	9.891	9.933	VV	43439	1036968	17.18%	0.506%
154	9.958	9.933	9.996	VV	48855	1683050	27.89%	0.822%
155	10.020	9.996	10.071	VV	49594	1876969	31.10%	0.917%
156	10.092	10.071	10.100	VV	49123	782604	12.97%	0.382%
157	10.132	10.100	10.164	VV	239403	4419111	73.22%	2.158%
158	10.208	10.164	10.251	VV	50623	2449052	40.58%	1.196%
159	10.277	10.251	10.302	VV	61115	1454258	24.10%	0.710%
160	10.320	10.302	10.345	VV	40888	958147	15.88%	0.468%
161	10.379	10.345	10.386	VV	43916	979958	16.24%	0.479%
162	10.412	10.386	10.441	VV	60282	1616104	26.78%	0.789%
163	10.480	10.441	10.518	VV	68643	2548235	42.22%	1.244%
164	10.555	10.518	10.584	VV	354523	6035292	100.00%	2.947%
165	10.595	10.584	10.634	VV	60444	1491022	24.71%	0.728%
166	10.667	10.634	10.728	VV	46898	2443121	40.48%	1.193%
167	10.748	10.728	10.780	VV	49563	1414894	23.44%	0.691%
168	10.818	10.780	10.840	VV	54948	1726457	28.61%	0.843%
169	10.873	10.840	10.913	VV	90480	2475211	41.01%	1.209%
170	10.958	10.913	10.978	VV	45451	1623627	26.90%	0.793%
171	11.010	10.978	11.024	VV	44194	1177846	19.52%	0.575%
172	11.036	11.024	11.064	VV	43485	998093	16.54%	0.487%
173	11.106	11.064	11.113	VV	44474	1263709	20.94%	0.617%
174	11.128	11.113	11.152	VV	46176	1042454	17.27%	0.509%
175	11.179	11.152	11.221	VV	60474	2010858	33.32%	0.982%
176	11.274	11.221	11.310	VV	210774	4618531	76.53%	2.255%
177	11.336	11.310	11.362	VV	43569	1233051	20.43%	0.602%
178	11.379	11.362	11.400	VV	39589	854797	14.16%	0.417%
179	11.455	11.400	11.518	VV	51232	2958256	49.02%	1.445%
180	11.549	11.518	11.561	VV	42835	993469	16.46%	0.485%
181	11.580	11.561	11.604	VV	46921	1028210	17.04%	0.502%
182	11.626	11.604	11.653	VV	38138	1031460	17.09%	0.504%
183	11.673	11.653	11.714	VV	38580	1360986	22.55%	0.665%
184	11.735	11.714	11.768	VV	42349	1222530	20.26%	0.597%
185	11.788	11.768	11.802	VV	39102	750881	12.44%	0.367%
186	11.830	11.802	11.903	VV	78618	2858603	47.36%	1.396%
187	11.923	11.903	11.937	VV	36929	710639	11.77%	0.347%
188	11.961	11.937	12.023	VV	39951	1789254	29.65%	0.874%
189	12.048	12.023	12.093	VV	35018	1314586	21.78%	0.642%
190	12.124	12.093	12.177	VV	32623	1509997	25.02%	0.737%
191	12.204	12.177	12.224	VV	29599	805137	13.34%	0.393%
192	12.258	12.224	12.305	VV	29807	1316696	21.82%	0.643%
193	12.315	12.305	12.320	VV	25312	232656	3.85%	0.114%
194	12.352	12.320	12.387	VV	29033	1086901	18.01%	0.531%

195	12.412	12.387	12.460	VV	36350	1273083	21.09%	0.622%
196	12.490	12.460	12.533	VV	35621	1231134	20.40%	0.601%
197	12.552	12.533	12.571	VV	25580	556274	9.22%	0.272%
198	12.588	12.571	12.615	VV	24369	618757	10.25%	0.302%
199	12.634	12.615	12.698	VV	26813	1063126	17.62%	0.519%
200	12.707	12.698	12.724	VV	19803	293065	4.86%	0.143%
201	12.765	12.724	12.797	VV	21417	843028	13.97%	0.412%
202	12.815	12.797	12.834	VV	19501	410955	6.81%	0.201%
203	12.847	12.834	12.881	VV	18658	487282	8.07%	0.238%
204	12.931	12.881	12.960	VV	88123	1667637	27.63%	0.814%
205	12.985	12.960	13.084	VV	30419	1447891	23.99%	0.707%
206	13.101	13.084	13.119	VV	16099	316025	5.24%	0.154%
207	13.148	13.119	13.181	VV	16298	558733	9.26%	0.273%
208	13.195	13.181	13.245	VV	13928	499414	8.27%	0.244%
209	13.264	13.245	13.294	VV	13134	346386	5.74%	0.169%
210	13.324	13.294	13.354	VV	18592	508966	8.43%	0.249%
211	13.374	13.354	13.393	VV	13563	289471	4.80%	0.141%
212	13.410	13.393	13.434	VV	11894	279585	4.63%	0.137%
213	13.451	13.434	13.490	VV	10393	327454	5.43%	0.160%
214	13.519	13.490	13.528	VV	11882	249209	4.13%	0.122%
215	13.535	13.528	13.568	VV	11696	253818	4.21%	0.124%
216	13.595	13.568	13.645	VV	12893	471734	7.82%	0.230%
217	13.680	13.645	13.711	VV	10257	331212	5.49%	0.162%
218	13.738	13.711	13.754	VV	8512	204846	3.39%	0.100%
219	13.768	13.754	13.787	VV	8654	156627	2.60%	0.076%
220	13.804	13.787	13.815	VV	7347	115976	1.92%	0.057%
221	13.829	13.815	13.874	VV	7918	239107	3.96%	0.117%
222	13.920	13.874	13.961	VV	11972	421527	6.98%	0.206%
223	13.984	13.961	14.023	VV	7466	229522	3.80%	0.112%
224	14.073	14.023	14.148	VV	7090	426161	7.06%	0.208%
225	14.156	14.148	14.168	VV	4887	58498	0.97%	0.029%
226	14.185	14.168	14.221	VV	6081	145046	2.40%	0.071%
227	14.246	14.221	14.281	VV	4622	135875	2.25%	0.066%
228	14.310	14.281	14.344	VV	5707	167550	2.78%	0.082%
229	14.373	14.344	14.431	VV	6559	228786	3.79%	0.112%
230	14.452	14.431	14.460	VV	3358	54573	0.90%	0.027%
231	14.492	14.460	14.514	VV	5148	128835	2.13%	0.063%
232	14.526	14.514	14.584	VV	4072	127430	2.11%	0.062%
233	14.624	14.584	14.653	VV	3456	117387	1.95%	0.057%
234	14.672	14.653	14.680	VV	3100	45859	0.76%	0.022%
235	14.697	14.680	14.753	VV	3267	103650	1.72%	0.051%
236	14.785	14.753	14.805	VV	3846	86018	1.43%	0.042%
237	14.836	14.805	14.901	VV	3619	156579	2.59%	0.076%
238	14.922	14.901	14.963	VV	3771	91231	1.51%	0.045%
239	14.979	14.963	15.004	VV	2156	43140	0.71%	0.021%
240	15.035	15.004	15.111	VV	2823	133652	2.21%	0.065%
241	15.117	15.111	15.179	VV	2147	62516	1.04%	0.031%
242	15.218	15.179	15.270	VV	2240	79166	1.31%	0.039%
243	15.338	15.270	15.372	VV	3882	146551	2.43%	0.072%
244	15.381	15.372	15.414	VV	1517	29213	0.48%	0.014%
245	15.429	15.414	15.469	VV	1373	22434	0.37%	0.011%
246	15.515	15.469	15.539	PV	1379	29762	0.49%	0.015%

rteres

247	15.549	15.539	15.574	VV	1233	22185	0.37%	0.011%
248	15.615	15.574	15.668	VV	3865	116697	1.93%	0.057%
249	15.682	15.668	15.726	VV	1349	36620	0.61%	0.018%
250	15.806	15.726	15.828	VV	2885	107193	1.78%	0.052%
251	15.842	15.828	15.883	VV	3280	76086	1.26%	0.037%
252	15.938	15.883	15.953	VV	1600	53331	0.88%	0.026%
253	15.990	15.953	16.028	VV	3143	102060	1.69%	0.050%
254	16.043	16.028	16.076	VV	2450	64240	1.06%	0.031%
255	16.120	16.076	16.151	VV	4250	141043	2.34%	0.069%
256	16.161	16.151	16.213	VV	3000	81015	1.34%	0.040%
257	16.234	16.213	16.256	VV	2379	49709	0.82%	0.024%
258	16.284	16.256	16.310	VV	3109	68097	1.13%	0.033%
259	16.327	16.310	16.357	VV	2245	46645	0.77%	0.023%
260	16.365	16.357	16.374	VV	1558	14986	0.25%	0.007%
261	16.395	16.374	16.411	VV	1898	37603	0.62%	0.018%
262	16.519	16.411	16.567	VV	3880	247890	4.11%	0.121%
263	16.614	16.567	16.645	VV	3450	124813	2.07%	0.061%
264	16.653	16.645	16.671	VV	2244	30008	0.50%	0.015%
265	16.764	16.671	16.819	VV	5130	271537	4.50%	0.133%
266	16.841	16.819	16.854	VV	3056	57448	0.95%	0.028%
267	16.865	16.854	16.871	VV	3027	27707	0.46%	0.014%
268	16.915	16.871	16.944	VV	3517	139872	2.32%	0.068%
269	16.983	16.944	17.027	VV	7205	227823	3.77%	0.111%
270	17.072	17.027	17.101	VV	4099	152069	2.52%	0.074%
271	17.151	17.101	17.182	VV	5275	191785	3.18%	0.094%
272	17.204	17.182	17.251	VV	4606	146747	2.43%	0.072%
273	17.263	17.251	17.281	VV	3017	50987	0.84%	0.025%
274	17.313	17.281	17.378	VV	5563	222651	3.69%	0.109%
275	17.389	17.378	17.438	VV	3069	94229	1.56%	0.046%
276	17.483	17.438	17.502	VV	3360	103822	1.72%	0.051%
277	17.528	17.502	17.543	VV	3885	83784	1.39%	0.041%
278	17.573	17.543	17.591	VV	5013	121005	2.00%	0.059%
279	17.635	17.591	17.657	VV	6021	188636	3.13%	0.092%
280	17.676	17.657	17.726	VV	4776	153571	2.54%	0.075%
281	17.772	17.726	17.857	VV	10618	432510	7.17%	0.211%
282	17.872	17.857	17.901	VV	3499	80291	1.33%	0.039%
283	17.928	17.901	17.951	VV	3727	103453	1.71%	0.051%
284	17.971	17.951	17.995	VV	4606	103287	1.71%	0.050%
285	18.005	17.995	18.034	VV	4021	81598	1.35%	0.040%
286	18.057	18.034	18.082	VV	4854	104794	1.74%	0.051%
287	18.138	18.082	18.185	VV	11664	296974	4.92%	0.145%
288	18.206	18.185	18.230	VV	2754	58810	0.97%	0.029%
289	18.265	18.230	18.276	VV	2724	63038	1.04%	0.031%
290	18.338	18.276	18.404	VV	3881	246850	4.09%	0.121%
291	18.469	18.404	18.501	VV	5299	200671	3.32%	0.098%
292	18.506	18.501	18.530	VV	2509	39457	0.65%	0.019%
293	18.559	18.530	18.584	VV	5311	114930	1.90%	0.056%
294	18.609	18.584	18.628	VV	4685	92049	1.53%	0.045%
295	18.652	18.628	18.693	VV	3614	122942	2.04%	0.060%
296	18.739	18.693	18.800	VV	3468	187922	3.11%	0.092%
297	18.812	18.800	18.837	VV	3028	61154	1.01%	0.030%
298	18.865	18.837	18.921	VV	5767	217850	3.61%	0.106%
299	18.959	18.921	18.985	VV	4796	140303	2.32%	0.069%

rteres

300	18.994	18.985	19.003	VV	3274	33304	0.55%	0.016%
301	19.057	19.003	19.116	VV	4644	240028	3.98%	0.117%
302	19.126	19.116	19.178	VV	3045	96925	1.61%	0.047%
303	19.261	19.178	19.334	VV	7856	440735	7.30%	0.215%
304	19.358	19.334	19.401	VV	3920	121031	2.01%	0.059%
305	19.527	19.401	19.601	VV	5718	527461	8.74%	0.258%
306	19.626	19.601	19.641	VV	6515	138465	2.29%	0.068%
307	19.658	19.641	19.710	VV	6667	234861	3.89%	0.115%
308	19.823	19.710	19.933	VV	13290	1114864	18.47%	0.544%
309	19.989	19.933	20.012	VV	8596	349017	5.78%	0.170%
310	20.042	20.012	20.069	VV	8622	275680	4.57%	0.135%
311	20.080	20.069	20.130	VV	7240	237050	3.93%	0.116%
312	20.173	20.130	20.204	VV	8028	321192	5.32%	0.157%
313	20.255	20.204	20.288	VV	10363	461683	7.65%	0.225%
314	20.298	20.288	20.324	VV	8776	186790	3.09%	0.091%
315	20.338	20.324	20.403	VV	9273	348798	5.78%	0.170%
316	20.472	20.403	20.482	VV	8966	344019	5.70%	0.168%
317	20.510	20.482	20.554	VV	9618	377866	6.26%	0.185%
318	20.561	20.554	20.620	VV	8150	274593	4.55%	0.134%
319	20.707	20.620	20.734	VV	8360	462544	7.66%	0.226%
320	20.746	20.734	20.761	VV	7083	111564	1.85%	0.054%
321	20.776	20.761	20.791	VV	7280	128271	2.13%	0.063%
322	20.804	20.791	20.858	VV	7341	253799	4.21%	0.124%
323	20.897	20.887	20.954	VV	5679	194773	3.23%	0.095%
324	21.000	20.954	21.032	VV	5429	232245	3.85%	0.113%
325	21.046	21.032	21.056	VV	4921	68548	1.14%	0.033%
326	21.114	21.056	21.262	VV	5652	503072	8.34%	0.246%
327	21.318	21.262	21.328	VV	2849	93003	1.54%	0.045%
328	21.405	21.328	21.461	VV	3061	212940	3.53%	0.104%
329	21.473	21.461	21.507	VV	2464	60928	1.01%	0.030%
330	21.517	21.507	21.554	VV	2186	54425	0.90%	0.027%
331	21.581	21.554	21.614	VV	2035	61158	1.01%	0.030%
332	21.654	21.614	21.708	VV	1903	86251	1.43%	0.042%
333	21.719	21.708	21.738	VV	1122	17219	0.29%	0.008%
334	21.752	21.738	21.801	VV	1158	30420	0.50%	0.015%
335	21.810	21.801	21.832	VV	432	5029	0.08%	0.002%
336	21.842	21.832	21.872	PV	158	1926	0.03%	0.001%
337	21.905	21.872	21.913	PV	469	6226	0.10%	0.003%
338	21.951	21.913	21.968	VV	807	18822	0.31%	0.009%
339	21.983	21.968	22.018	VV	749	13306	0.22%	0.006%
340	22.022	22.018	22.034	VV	443	2751	0.05%	0.001%
341	22.042	22.034	22.066	VV	328	3611	0.06%	0.002%

Sum of corrected areas: 204774667

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1DL		SDG No.:	P4518	
Lab Sample ID:	P4518-01DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048609.D	10	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.1		3.81	8.47	mg/kg
Aromatic C12-C16	Aromatic C12-C16	108		4.32	12.7	mg/kg
Aromatic C16-C21	Aromatic C16-C21	325		12.2	21.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	47.4		25.4	33.9	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	7.78		40 - 140	156%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	6.29		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.79		40 - 140	116%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-01DL	Acq On:	28 Oct 2024 17:39
Client Sample ID:	EX-5-TPH-1DL	Operator:	YP/AJ
Data file:	FD048609.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	2110583	11.978	200	ug/ml
Aromatic C12-C16	5.813	8.417	22650474	127.771	300	ug/ml
Aromatic C16-C21	8.418	12.677	62964351	384.321	500	ug/ml
Aromatic C21-C36	12.678	18.081	8552149	56.001	800	ug/ml
Aromatic EPH	4.094	18.081	96277557	580.072		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	985651	5.79		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	1180949	7.78		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	617676	6.29		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048609.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 17:39
Operator : YP/AJ
Sample : P4518-01DL 10X
Misc :
ALS Vial : 72 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.370	1180949	7.781 ug/mlm
Spiked Amount 50.000		Recovery =	15.56%
6) S 2-Flurobiphenyl (SURR)	8.222	617676	6.290 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	12.58%
11) S ortho-Terphenyl (SURR)	11.253	985651	5.786 ug/mlm
Spiked Amount 50.000		Recovery =	11.57%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048609.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 17:39
Operator : YP/AJ
Sample : P4518-01DL 10X
Misc :
ALS Vial : 72 Sample Multiplier: 1

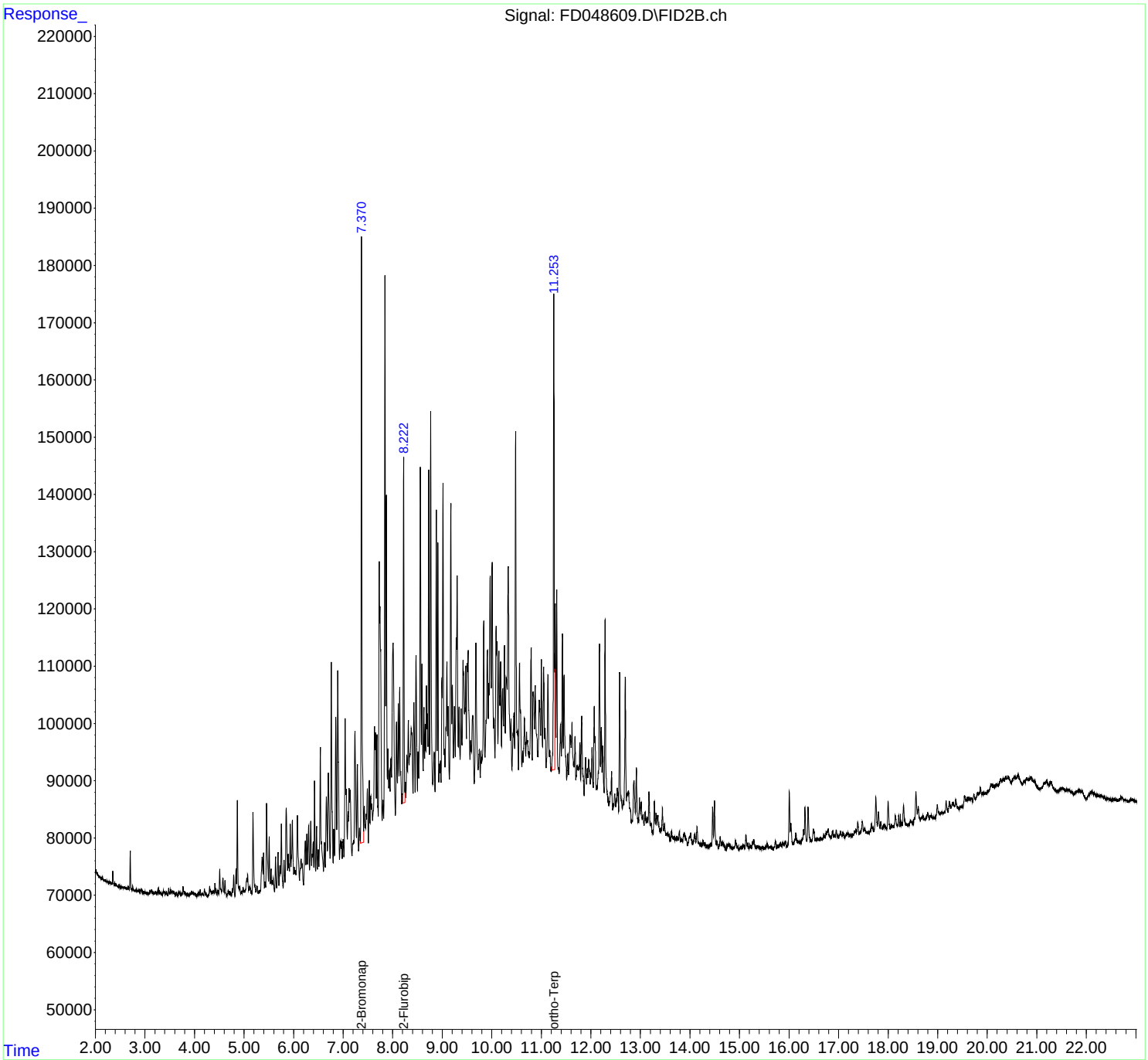
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-1DL

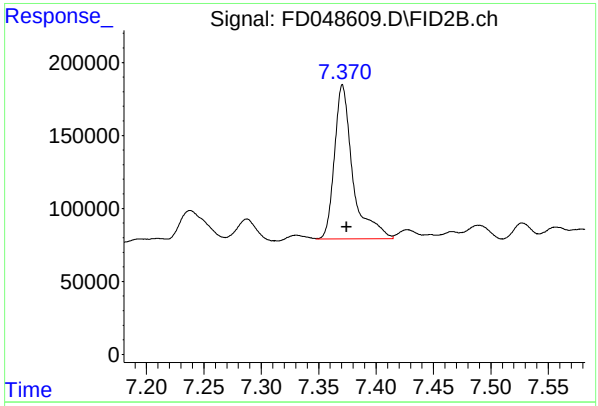
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





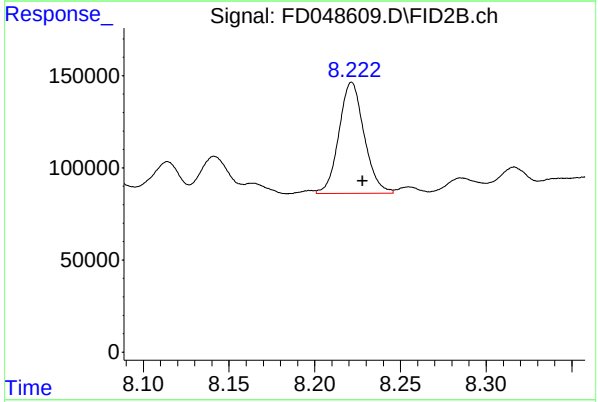
#4 2-Bromonaphthalene (SURR)

R.T.: 7.370 min
Delta R.T.: -0.004 mi
Response: 1180949
Conc: 7.78 ug/m

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

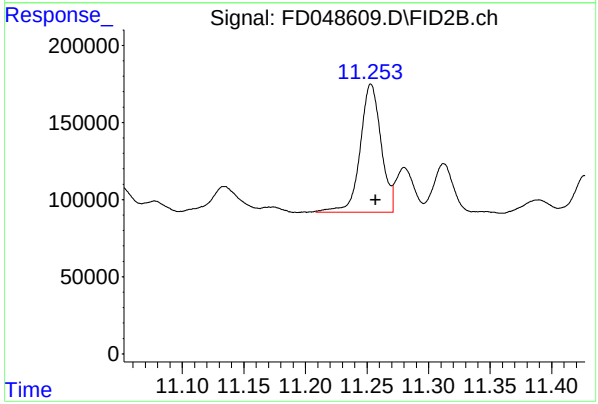
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.007 min
Response: 617676
Conc: 6.29 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.253 min
Delta R.T.: -0.004 min
Response: 985651
Conc: 5.79 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048609.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 17:39
Sample : P4518-01DL 10X
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.071	4.042	4.078	BV	746	8073	0.46%	0.008%
2	4.083	4.078	4.096	VV	610	5773	0.33%	0.006%
3	4.115	4.096	4.138	VV	1275	16081	0.91%	0.016%
4	4.145	4.138	4.151	VV	494	3031	0.17%	0.003%
5	4.163	4.151	4.181	VV	545	7756	0.44%	0.008%
6	4.200	4.181	4.251	VV	1290	24722	1.40%	0.025%
7	4.274	4.260	4.286	VV	405	3828	0.22%	0.004%
8	4.305	4.286	4.338	VV	1774	32168	1.82%	0.032%
9	4.349	4.338	4.367	VV	926	12834	0.73%	0.013%
10	4.385	4.367	4.400	VV	1082	15334	0.87%	0.015%
11	4.412	4.400	4.423	VV	2332	21311	1.21%	0.021%
12	4.434	4.423	4.453	VV	1306	15472	0.88%	0.016%
13	4.466	4.453	4.473	VV	884	8574	0.49%	0.009%
14	4.483	4.473	4.493	VV	1046	9297	0.53%	0.009%
15	4.509	4.493	4.523	VV	4726	47779	2.71%	0.048%
16	4.530	4.523	4.545	VV	1331	14394	0.82%	0.015%
17	4.572	4.545	4.598	VV	3195	53728	3.04%	0.054%
18	4.615	4.598	4.647	VV	2682	33575	1.90%	0.034%
19	4.680	4.647	4.695	VV	1046	13778	0.78%	0.014%
20	4.708	4.695	4.723	VV	849	8141	0.46%	0.008%
21	4.734	4.723	4.750	VV	463	4299	0.24%	0.004%
22	4.766	4.750	4.777	VV	1288	12513	0.71%	0.013%
23	4.791	4.777	4.814	VV	3640	37661	2.13%	0.038%
24	4.838	4.814	4.849	PV	4628	44126	2.50%	0.044%
25	4.865	4.849	4.888	VV	16589	167208	9.47%	0.168%
26	4.894	4.888	4.906	VV	1518	13767	0.78%	0.014%
27	4.915	4.906	4.932	VV	1581	15280	0.87%	0.015%
28	4.954	4.932	4.963	VV	628	8583	0.49%	0.009%
29	4.981	4.963	4.996	VV	1366	16034	0.91%	0.016%
30	5.005	4.996	5.017	VV	839	8083	0.46%	0.008%
31	5.055	5.017	5.065	VV	2806	48937	2.77%	0.049%
32	5.073	5.065	5.098	VV	3532	38999	2.21%	0.039%
33	5.113	5.098	5.125	VV	1436	17706	1.00%	0.018%
34	5.129	5.125	5.146	VV	1028	8353	0.47%	0.008%
35	5.151	5.146	5.161	VV	384	2558	0.14%	0.003%
36	5.181	5.161	5.238	VV	14288	187298	10.61%	0.189%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.257	5.238	5.286	VV	1302	21585	1.22%	0.022%
38	5.303	5.286	5.315	PV	584	5234		
39	5.325	5.315	5.329	VV	539	2930		
40	5.365	5.329	5.383	VV	6395	120564		
41	5.394	5.383	5.412	VV	7119	73252		
42	5.425	5.412	5.437	VV	1966	22740		
43	5.455	5.437	5.493	VV	15615	235559	13.35%	0.237%
44	5.507	5.493	5.529	VV	9798	104199	5.90%	0.105%
45	5.545	5.529	5.561	VV	4143	51266	2.90%	0.052%
46	5.567	5.561	5.577	VV	2090	17728	1.00%	0.018%
47	5.590	5.577	5.617	VV	2534	31849	1.80%	0.032%
48	5.636	5.617	5.657	VV	6258	66683	3.78%	0.067%
49	5.687	5.657	5.704	VV	6928	94514	5.36%	0.095%
50	5.723	5.704	5.737	VV	4590	63499	3.60%	0.064%
51	5.753	5.737	5.790	VV	11887	158518	8.98%	0.160%
52	5.808	5.790	5.827	VV	5482	67255	3.81%	0.068%
53	5.851	5.827	5.879	VV	14555	252797	14.32%	0.255%
54	5.891	5.879	5.903	VV	6441	73785	4.18%	0.074%
55	5.909	5.903	5.918	VV	4496	38140	2.16%	0.038%
56	5.933	5.918	5.947	VV	11605	129631	7.35%	0.131%
57	5.975	5.947	6.002	VV	12425	226258	12.82%	0.228%
58	6.014	6.002	6.024	VV	4089	46375	2.63%	0.047%
59	6.032	6.024	6.046	VV	3525	42937	2.43%	0.043%
60	6.077	6.046	6.120	VV	13126	266608	15.11%	0.269%
61	6.151	6.120	6.167	VV	5413	117547	6.66%	0.118%
62	6.174	6.167	6.202	VV	4531	58063	3.29%	0.058%
63	6.236	6.202	6.250	VV	8536	155883	8.83%	0.157%
64	6.267	6.250	6.282	VV	9697	133118	7.54%	0.134%
65	6.304	6.282	6.322	VV	11128	179570	10.18%	0.181%
66	6.347	6.322	6.364	VV	11921	182012	10.31%	0.183%
67	6.376	6.364	6.383	VV	6120	65079	3.69%	0.066%
68	6.395	6.383	6.408	VV	8210	95457	5.41%	0.096%
69	6.423	6.408	6.445	VV	18854	215620	12.22%	0.217%
70	6.464	6.445	6.481	VV	10822	140129	7.94%	0.141%
71	6.498	6.481	6.511	VV	6801	95803	5.43%	0.097%
72	6.540	6.511	6.604	VV	24661	503621	28.54%	0.507%
73	6.622	6.604	6.638	VV	7924	115187	6.53%	0.116%
74	6.662	6.638	6.683	VV	15973	282221	15.99%	0.284%
75	6.701	6.683	6.738	VV	20066	410614	23.27%	0.414%
76	6.761	6.738	6.797	VV	39303	602344	34.13%	0.607%
77	6.811	6.797	6.827	VV	10276	132374	7.50%	0.133%
78	6.853	6.827	6.872	VV	29664	458799	26.00%	0.462%
79	6.892	6.872	6.928	VV	37745	651290	36.90%	0.656%
80	6.948	6.928	6.958	VV	8018	125052	7.09%	0.126%
81	6.968	6.958	6.982	VV	7835	95741	5.43%	0.096%
82	7.000	6.982	7.017	VV	8249	137659	7.80%	0.139%
83	7.041	7.017	7.055	VV	29341	396999	22.50%	0.400%
84	7.063	7.055	7.085	VV	16939	242972	13.77%	0.245%
85	7.098	7.085	7.106	VV	12997	138833	7.87%	0.140%
86	7.119	7.106	7.128	VV	17053	195570	11.08%	0.197%
87	7.139	7.128	7.180	VV	16694	357779	20.27%	0.360%
88	7.195	7.180	7.201	VV	7402	86556	4.90%	0.087%
89	7.210	7.201	7.218	VV	7894	74719	4.23%	0.075%

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

rteres

90	7.238	7.218	7.269	VV	26958	518978	29.41%	0.523%
91	7.288	7.269	7.314	VV	21077	341730	19	
92	7.330	7.314	7.348	VV	9958	172873	9	
93	7.371	7.348	7.414	VV	112906	1470805	83	
94	7.427	7.414	7.442	VV	13673	192768	10	
95	7.447	7.442	7.453	VV	10361	67387	3	
96	7.467	7.453	7.473	VV	12313	139235	7.89%	0.140%
97	7.489	7.473	7.510	VV	16610	283697	16.08%	0.286%
98	7.527	7.510	7.542	VV	18201	254138	14.40%	0.256%
99	7.557	7.542	7.569	VV	15324	219299	12.43%	0.221%
100	7.579	7.569	7.595	VV	13986	203636	11.54%	0.205%
101	7.634	7.595	7.647	VV	27444	572457	32.44%	0.577%
102	7.656	7.647	7.670	VV	26364	305009	17.28%	0.307%
103	7.683	7.670	7.710	VV	25988	418792	23.73%	0.422%
104	7.729	7.710	7.738	VV	56181	617885	35.01%	0.622%
105	7.743	7.738	7.788	VV	48302	938386	53.17%	0.945%
106	7.803	7.788	7.818	VV	14433	227968	12.92%	0.230%
107	7.845	7.818	7.860	VV	105985	1308210	74.13%	1.318%
108	7.873	7.860	7.892	VV	67912	802541	45.47%	0.808%
109	7.905	7.892	7.921	VV	23356	339972	19.26%	0.342%
110	7.936	7.921	7.947	VV	19620	285517	16.18%	0.288%
111	7.961	7.947	7.978	VV	21510	361035	20.46%	0.364%
112	8.008	7.978	8.055	VV	41767	1295697	73.42%	1.305%
113	8.077	8.055	8.095	VV	27938	478413	27.11%	0.482%
114	8.114	8.095	8.127	VV	31064	453705	25.71%	0.457%
115	8.142	8.127	8.159	VV	33883	492826	27.93%	0.496%
116	8.164	8.159	8.185	VV	19276	259218	14.69%	0.261%
117	8.222	8.185	8.246	VV	74102	1134272	64.27%	1.143%
118	8.255	8.246	8.267	VV	17252	200279	11.35%	0.202%
119	8.286	8.267	8.300	VV	22032	376050	21.31%	0.379%
120	8.316	8.300	8.331	VV	28004	436657	24.74%	0.440%
121	8.374	8.331	8.411	VV	26482	1092169	61.89%	1.100%
122	8.428	8.411	8.454	VV	31088	601921	34.11%	0.606%
123	8.472	8.454	8.499	VV	39182	733680	41.57%	0.739%
124	8.513	8.499	8.525	VV	22439	308426	17.48%	0.311%
125	8.559	8.525	8.580	VV	72096	1236192	70.05%	1.245%
126	8.593	8.580	8.616	VV	37547	613409	34.76%	0.618%
127	8.631	8.616	8.645	VV	30097	421686	23.89%	0.425%
128	8.658	8.645	8.669	VV	27100	361416	20.48%	0.364%
129	8.683	8.669	8.695	VV	33803	448708	25.43%	0.452%
130	8.702	8.695	8.712	VV	28773	266878	15.12%	0.269%
131	8.728	8.712	8.745	VV	71428	864597	48.99%	0.871%
132	8.768	8.745	8.814	VV	81583	1487562	84.29%	1.499%
133	8.837	8.814	8.856	VV	22038	475827	26.96%	0.479%
134	8.882	8.856	8.899	VV	64375	954824	54.10%	0.962%
135	8.913	8.899	8.932	VV	58660	734257	41.61%	0.740%
136	8.943	8.932	8.953	VV	19933	239919	13.59%	0.242%
137	8.964	8.953	8.977	VV	20418	265951	15.07%	0.268%
138	8.995	8.977	9.001	VV	34953	391736	22.20%	0.395%
139	9.016	9.001	9.038	VV	68859	969409	54.93%	0.977%
140	9.044	9.038	9.057	VV	22431	241182	13.67%	0.243%
141	9.075	9.057	9.080	VV	26222	327366	18.55%	0.330%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.095	9.080	9.109	VV	37687	533226	30.21%	0.537%
143	9.120	9.109	9.146	VV	29853	538191	30	
144	9.174	9.146	9.193	VV	65265	1064478	60	
145	9.205	9.193	9.227	VV	33539	566790	32	
146	9.247	9.227	9.264	VV	29754	557661	31	
147	9.284	9.264	9.290	VV	41701	536129	30	
148	9.302	9.290	9.323	VV	52635	766333	43.42%	0.772%
149	9.340	9.323	9.363	VV	29538	593425	33.63%	0.598%
150	9.381	9.363	9.400	VV	29300	555720	31.49%	0.560%
151	9.420	9.400	9.449	VV	37677	940723	53.30%	0.948%
152	9.474	9.449	9.488	VV	36687	710013	40.23%	0.715%
153	9.504	9.488	9.513	VV	36975	498025	28.22%	0.502%
154	9.523	9.513	9.561	VV	39445	867744	49.17%	0.874%
155	9.575	9.561	9.591	VV	23643	397515	22.52%	0.400%
156	9.617	9.591	9.647	VV	27908	795513	45.08%	0.801%
157	9.681	9.647	9.726	VV	40494	1193865	67.65%	1.203%
158	9.749	9.726	9.769	VV	22020	510517	28.93%	0.514%
159	9.782	9.769	9.794	VV	21461	299232	16.96%	0.301%
160	9.838	9.794	9.865	VV	44364	1136954	64.42%	1.145%
161	9.911	9.865	9.930	VV	39133	1142723	64.75%	1.151%
162	9.942	9.930	9.949	VV	33230	358625	20.32%	0.361%
163	9.968	9.949	9.991	VV	52149	1037384	58.78%	1.045%
164	10.008	9.991	10.036	VV	54399	1048404	59.41%	1.056%
165	10.046	10.036	10.065	VV	26968	432434	24.50%	0.436%
166	10.088	10.065	10.098	VV	43200	668540	37.88%	0.673%
167	10.107	10.098	10.126	VV	40494	549909	31.16%	0.554%
168	10.145	10.126	10.165	VV	38723	741595	42.02%	0.747%
169	10.181	10.165	10.197	VV	36847	586855	33.25%	0.591%
170	10.221	10.197	10.238	VV	32113	697433	39.52%	0.703%
171	10.256	10.238	10.273	VV	39702	655827	37.16%	0.661%
172	10.292	10.273	10.297	VV	33841	453566	25.70%	0.457%
173	10.300	10.297	10.311	VV	33630	271999	15.41%	0.274%
174	10.332	10.311	10.375	VV	53434	1390864	78.81%	1.401%
175	10.389	10.375	10.406	VV	26726	431079	24.43%	0.434%
176	10.448	10.406	10.462	VV	27727	784317	44.44%	0.790%
177	10.482	10.462	10.515	VV	76893	1300033	73.66%	1.310%
178	10.522	10.515	10.541	VV	24491	336785	19.08%	0.339%
179	10.560	10.541	10.576	VV	36300	598182	33.89%	0.603%
180	10.581	10.576	10.608	VV	28252	461465	26.15%	0.465%
181	10.623	10.608	10.635	VV	20922	314799	17.84%	0.317%
182	10.660	10.635	10.686	VV	26590	701797	39.77%	0.707%
183	10.704	10.686	10.713	VV	24260	366501	20.77%	0.369%
184	10.722	10.713	10.756	VV	22712	547033	31.00%	0.551%
185	10.762	10.756	10.766	VV	20594	119463	6.77%	0.120%
186	10.795	10.766	10.817	VV	38966	857963	48.61%	0.864%
187	10.834	10.817	10.838	VV	31207	345220	19.56%	0.348%
188	10.843	10.838	10.863	VV	31026	428666	24.29%	0.432%
189	10.878	10.863	10.925	VV	32148	944878	53.54%	0.952%
190	10.960	10.925	10.987	VV	29637	937953	53.15%	0.945%
191	11.003	10.987	11.024	VV	36708	637082	36.10%	0.642%
192	11.048	11.024	11.067	VV	35337	730585	41.40%	0.736%
193	11.078	11.067	11.098	VV	24548	403533	22.87%	0.407%
194	11.134	11.098	11.163	VV	33933	939759	53.25%	0.947%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.173	11.163	11.194	VV	20618	356254	20.19%	0.359%
196	11.253	11.194	11.270	VV	100272	1764813	100	
197	11.280	11.270	11.296	VV	46252	567846	32	
198	11.312	11.296	11.362	VV	48670	1021145	57	
199	11.389	11.362	11.406	VV	25109	563769	31	
200	11.427	11.406	11.444	VV	40834	660788	37	
201	11.460	11.444	11.513	VV	33571	946751	53.65%	0.954%
202	11.534	11.513	11.550	VV	19807	392920	22.26%	0.396%
203	11.581	11.550	11.602	VV	22954	629211	35.65%	0.634%
204	11.620	11.602	11.648	VV	25234	599852	33.99%	0.604%
205	11.654	11.648	11.667	VV	18190	196357	11.13%	0.198%
206	11.681	11.667	11.697	VV	22764	357268	20.24%	0.360%
207	11.723	11.697	11.733	VV	17683	357434	20.25%	0.360%
208	11.741	11.733	11.750	VV	17431	173008	9.80%	0.174%
209	11.758	11.750	11.765	VV	17203	148527	8.42%	0.150%
210	11.780	11.765	11.794	VV	21607	328335	18.60%	0.331%
211	11.813	11.794	11.865	VV	26123	779528	44.17%	0.785%
212	11.895	11.865	11.915	VV	18745	479080	27.15%	0.483%
213	11.927	11.915	11.940	VV	16867	239555	13.57%	0.241%
214	11.955	11.940	11.987	VV	18497	469671	26.61%	0.473%
215	11.999	11.987	12.008	VV	16120	197513	11.19%	0.199%
216	12.024	12.008	12.048	VV	20619	405142	22.96%	0.408%
217	12.068	12.048	12.079	VV	27586	401658	22.76%	0.405%
218	12.085	12.079	12.111	VV	22409	342974	19.43%	0.346%
219	12.175	12.111	12.194	VV	38572	997821	56.54%	1.005%
220	12.210	12.194	12.226	VV	23836	390796	22.14%	0.394%
221	12.240	12.226	12.266	VV	20647	411505	23.32%	0.415%
222	12.286	12.266	12.360	VV	42703	1037342	58.78%	1.045%
223	12.398	12.360	12.403	VV	12480	291978	16.54%	0.294%
224	12.418	12.403	12.440	VV	16018	290392	16.45%	0.293%
225	12.457	12.440	12.462	VV	10470	129421	7.33%	0.130%
226	12.483	12.462	12.502	VV	12109	264886	15.01%	0.267%
227	12.533	12.502	12.560	VV	13048	398132	22.56%	0.401%
228	12.580	12.560	12.614	VV	33255	594604	33.69%	0.599%
229	12.619	12.614	12.633	VV	10920	117231	6.64%	0.118%
230	12.657	12.633	12.665	VV	10752	195406	11.07%	0.197%
231	12.695	12.665	12.717	VV	32301	587674	33.30%	0.592%
232	12.738	12.717	12.747	VV	12033	209020	11.84%	0.211%
233	12.759	12.747	12.818	VV	12370	425042	24.08%	0.428%
234	12.830	12.818	12.839	VV	7199	85287	4.83%	0.086%
235	12.865	12.839	12.898	VV	14055	387444	21.95%	0.390%
236	12.919	12.898	12.955	VV	16386	358728	20.33%	0.361%
237	12.982	12.955	12.997	VV	11111	220816	12.51%	0.222%
238	13.015	12.997	13.037	VV	10175	211260	11.97%	0.213%
239	13.052	13.037	13.073	VV	8049	158672	8.99%	0.160%
240	13.092	13.073	13.120	VV	8445	207186	11.74%	0.209%
241	13.135	13.120	13.153	VV	7436	143870	8.15%	0.145%
242	13.173	13.153	13.202	VV	11883	254064	14.40%	0.256%
243	13.216	13.202	13.239	VV	6332	127687	7.24%	0.129%
244	13.246	13.239	13.257	VV	5122	50960	2.89%	0.051%
245	13.280	13.257	13.302	VV	10145	199103	11.28%	0.201%
246	13.315	13.302	13.333	VV	8041	134554	7.62%	0.136%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.347	13.333	13.392	VV	7693	222952	12.63%	0.225%
248	13.401	13.392	13.413	VV	5179	64391	3	
249	13.419	13.413	13.423	VV	5132	28082	1	
250	13.444	13.423	13.468	VV	9017	179471	10	
251	13.486	13.468	13.510	VV	6114	131762	7	
252	13.522	13.510	13.527	VV	4421	43338	2	
253	13.531	13.527	13.538	VV	4420	28961	1.64%	0.029%
254	13.545	13.538	13.566	VV	4428	71702	4.06%	0.072%
255	13.576	13.566	13.608	VV	4285	92330	5.23%	0.093%
256	13.627	13.608	13.672	VV	4642	146514	8.30%	0.148%
257	13.681	13.672	13.698	VV	3842	56400	3.20%	0.057%
258	13.706	13.698	13.721	VV	3531	45287	2.57%	0.046%
259	13.734	13.721	13.749	VV	3843	57337	3.25%	0.058%
260	13.763	13.749	13.768	VV	3393	38313	2.17%	0.039%
261	13.786	13.768	13.807	VV	4625	87691	4.97%	0.088%
262	13.817	13.807	13.829	VV	3160	40250	2.28%	0.041%
263	13.834	13.829	13.850	VV	3216	38286	2.17%	0.039%
264	13.881	13.850	13.956	VV	4219	208566	11.82%	0.210%
265	14.010	13.956	14.055	VV	3881	177829	10.08%	0.179%
266	14.065	14.055	14.069	VV	2592	21118	1.20%	0.021%
267	14.091	14.069	14.118	VV	3745	93254	5.28%	0.094%
268	14.142	14.118	14.209	VV	5077	157283	8.91%	0.158%
269	14.227	14.209	14.245	VV	2282	40860	2.32%	0.041%
270	14.268	14.245	14.288	VV	2664	55030	3.12%	0.055%
271	14.301	14.288	14.323	VV	2309	39991	2.27%	0.040%
272	14.338	14.323	14.375	VV	1800	48409	2.74%	0.049%
273	14.390	14.375	14.398	VV	1682	21570	1.22%	0.022%
274	14.405	14.398	14.418	VV	1794	20188	1.14%	0.020%
275	14.423	14.418	14.435	VV	1756	17072	0.97%	0.017%
276	14.456	14.435	14.476	VV	8356	120131	6.81%	0.121%
277	14.494	14.476	14.529	VV	9435	160689	9.11%	0.162%
278	14.540	14.529	14.567	VV	2349	41153	2.33%	0.041%
279	14.572	14.567	14.578	VV	1333	8090	0.46%	0.008%
280	14.609	14.578	14.627	VV	3077	60321	3.42%	0.061%
281	14.649	14.627	14.654	VV	2024	28286	1.60%	0.028%
282	14.659	14.654	14.686	VV	1993	33621	1.91%	0.034%
283	14.689	14.686	14.720	VV	1421	23687	1.34%	0.024%
284	14.759	14.720	14.787	VV	1617	49702	2.82%	0.050%
285	14.802	14.787	14.829	VV	1608	32516	1.84%	0.033%
286	14.833	14.829	14.853	VV	1185	13949	0.79%	0.014%
287	14.858	14.853	14.868	VV	948	7451	0.42%	0.008%
288	14.877	14.868	14.884	VV	980	7980	0.45%	0.008%
289	14.920	14.884	14.958	VV	2112	59678	3.38%	0.060%
290	14.969	14.958	14.991	VV	1134	15386	0.87%	0.016%
291	15.014	14.991	15.022	VV	1005	13126	0.74%	0.013%
292	15.028	15.022	15.058	VV	992	18236	1.03%	0.018%
293	15.072	15.058	15.095	VV	1345	22953	1.30%	0.023%
294	15.097	15.095	15.105	VV	1118	4645	0.26%	0.005%
295	15.129	15.105	15.154	VV	2969	50002	2.83%	0.050%
296	15.168	15.154	15.194	VV	1560	24792	1.40%	0.025%
297	15.208	15.194	15.220	VV	1142	14006	0.79%	0.014%
298	15.230	15.220	15.240	VV	841	9019	0.51%	0.009%
299	15.261	15.240	15.269	VV	1624	20674	1.17%	0.021%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

				rteres				
300	15.285	15.269	15.342	VV	2043	50308	2.85%	0.051%
301	15.356	15.342	15.364	VV	907	10088		
302	15.382	15.364	15.401	VV	860	13358		
303	15.407	15.401	15.430	VV	720	8144		
304	15.457	15.430	15.473	VV	732	12634		
305	15.477	15.473	15.484	VV	488	2595		
306	15.488	15.484	15.492	VV	410	1737	0.10%	0.002%
307	15.495	15.492	15.500	VV	358	1247	0.07%	0.001%
308	15.532	15.500	15.537	VV	580	10000	0.57%	0.010%
309	15.560	15.537	15.585	VV	1217	22613	1.28%	0.023%
310	15.622	15.585	15.628	VV	570	11516	0.65%	0.012%
311	15.635	15.628	15.650	VV	523	5190	0.29%	0.005%
312	15.655	15.650	15.670	VV	437	2351	0.13%	0.002%
313	15.728	15.670	15.753	PV	1383	26556	1.50%	0.027%
314	15.771	15.753	15.787	VV	583	8260	0.47%	0.008%
315	15.827	15.787	15.853	VV	1029	23681	1.34%	0.024%
316	15.881	15.853	15.899	VV	885	18609	1.05%	0.019%
317	15.923	15.899	15.957	VV	1178	19894	1.13%	0.020%
318	16.003	15.957	16.025	VV	9717	139629	7.91%	0.141%
319	16.037	16.025	16.088	VV	4138	67494	3.82%	0.068%
320	16.137	16.088	16.166	VV	2267	55167	3.13%	0.056%
321	16.172	16.166	16.180	VV	865	6211	0.35%	0.006%
322	16.186	16.180	16.203	VV	731	8192	0.46%	0.008%
323	16.214	16.203	16.218	VV	616	4410	0.25%	0.004%
324	16.224	16.218	16.247	VV	714	9613	0.54%	0.010%
325	16.293	16.247	16.303	VV	2690	46875	2.66%	0.047%
326	16.320	16.303	16.357	VV	6464	92650	5.25%	0.093%
327	16.383	16.357	16.432	VV	6476	110550	6.26%	0.111%
328	16.434	16.432	16.440	VV	684	2982	0.17%	0.003%
329	16.444	16.440	16.461	VV	524	5571	0.32%	0.006%
330	16.489	16.461	16.529	VV	2404	57461	3.26%	0.058%
331	16.540	16.529	16.553	VV	664	8171	0.46%	0.008%
332	16.577	16.553	16.602	VV	736	15817	0.90%	0.016%
333	16.609	16.602	16.620	VV	450	4580	0.26%	0.005%
334	16.631	16.620	16.660	VV	820	12383	0.70%	0.012%
335	16.665	16.660	16.670	VV	596	3220	0.18%	0.003%
336	16.703	16.670	16.728	VV	1000	24904	1.41%	0.025%
337	16.753	16.728	16.762	VV	1444	24027	1.36%	0.024%
338	16.788	16.762	16.810	VV	2040	44328	2.51%	0.045%
339	16.818	16.810	16.849	VV	898	15577	0.88%	0.016%
340	16.878	16.849	16.907	VV	1533	33155	1.88%	0.033%
341	16.913	16.907	16.931	VV	850	10062	0.57%	0.010%
342	16.951	16.931	16.976	VV	1626	28064	1.59%	0.028%
343	16.982	16.976	17.003	VV	746	7708	0.44%	0.008%
344	17.035	17.003	17.062	VV	1411	25599	1.45%	0.026%
345	17.094	17.062	17.122	VV	948	22511	1.28%	0.023%
346	17.134	17.122	17.138	PV	357	2073	0.12%	0.002%
347	17.188	17.138	17.216	VV	856	24109	1.37%	0.024%
348	17.223	17.216	17.242	VV	468	5101	0.29%	0.005%
349	17.252	17.242	17.268	VV	308	3844	0.22%	0.004%
350	17.286	17.268	17.292	VV	362	3964	0.22%	0.004%
351	17.295	17.292	17.303	VV	317	1579	0.09%	0.002%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

352	17.318	17.303	17.333	VV	844	11487	0.65%	0.012%
353	17.349	17.333	17.366	VV	1163	17141		
354	17.390	17.366	17.416	VV	2225	38243		
355	17.422	17.416	17.433	VV	555	4540		
356	17.449	17.433	17.453	VV	648	5581		
357	17.478	17.453	17.501	VV	2240	41728		
358	17.524	17.501	17.564	VV	1063	24162	1.37%	0.024%
359	17.571	17.564	17.588	VV	253	2602	0.15%	0.003%
360	17.594	17.588	17.599	VV	374	1514	0.09%	0.002%
361	17.604	17.599	17.612	VV	192	1059	0.06%	0.001%
362	17.663	17.612	17.688	PV	1533	29652	1.68%	0.030%
363	17.697	17.688	17.715	VV	877	9924	0.56%	0.010%
364	17.751	17.715	17.781	VV	6062	108782	6.16%	0.110%
365	17.804	17.781	17.833	VV	3408	59916	3.40%	0.060%
366	17.851	17.833	17.880	VV	1623	26207	1.48%	0.026%
367	17.918	17.880	17.930	VV	986	20774	1.18%	0.021%
368	17.935	17.930	17.950	VV	880	7087	0.40%	0.007%
369	17.956	17.950	17.963	VV	406	2722	0.15%	0.003%
370	17.969	17.963	17.974	VV	304	1651	0.09%	0.002%
371	17.998	17.974	18.042	VV	4780	76108	4.31%	0.077%
372	18.065	18.042	18.082	PV	711	9210	0.52%	0.009%
373	18.096	18.082	18.112	VV	510	6302	0.36%	0.006%
374	18.145	18.112	18.180	VV	2132	40018	2.27%	0.040%
375	18.213	18.180	18.242	VV	1956	27974	1.59%	0.028%

Sum of corrected areas: 99264785

Aromatic EPH 102324.M Wed Oct 30 03:20:40 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-01DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067549.D	25	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.2		12.1	31.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	358		7.63	21.2	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	351		9.53	31.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	35.9	J	25.4	42.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.9		57.2	63.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	2.03		40 - 140	102%	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:	P4518-01DL2	Acq On:	28 Oct 2024 18:52
Client Sample ID:	EX-5-TPH-1DL2	Operator:	YP/AJ
Data file:	FC067549.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	2700848	19.937	300	ug/ml
Aliphatic C12-C16	6.454	9.842	22302236	169.365	200	ug/ml
Aliphatic C16-C21	9.843	13.200	21127604	166.052	300	ug/ml
Aliphatic C21-C28	13.201	16.853	2035428	16.949	400	ug/ml
Aliphatic C28-C40	16.854	21.695	4338513	42.916	600	ug/ml
Aliphatic EPH	3.173	21.695	52504629	415.218		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	218686	2.03		ug/ml
Aliphatic C9-C28	3.173	16.853	48166116	372.303	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067549.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 18:52
Operator : YP/AJ
Sample : P4518-01DL2 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-1DL2

Integration File: sample.E
Quant Time: Oct 30 03:44:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.930	218686	2.025 ug/ml
Spiked Amount 50.000		Recovery =	4.05%
Target Compounds			

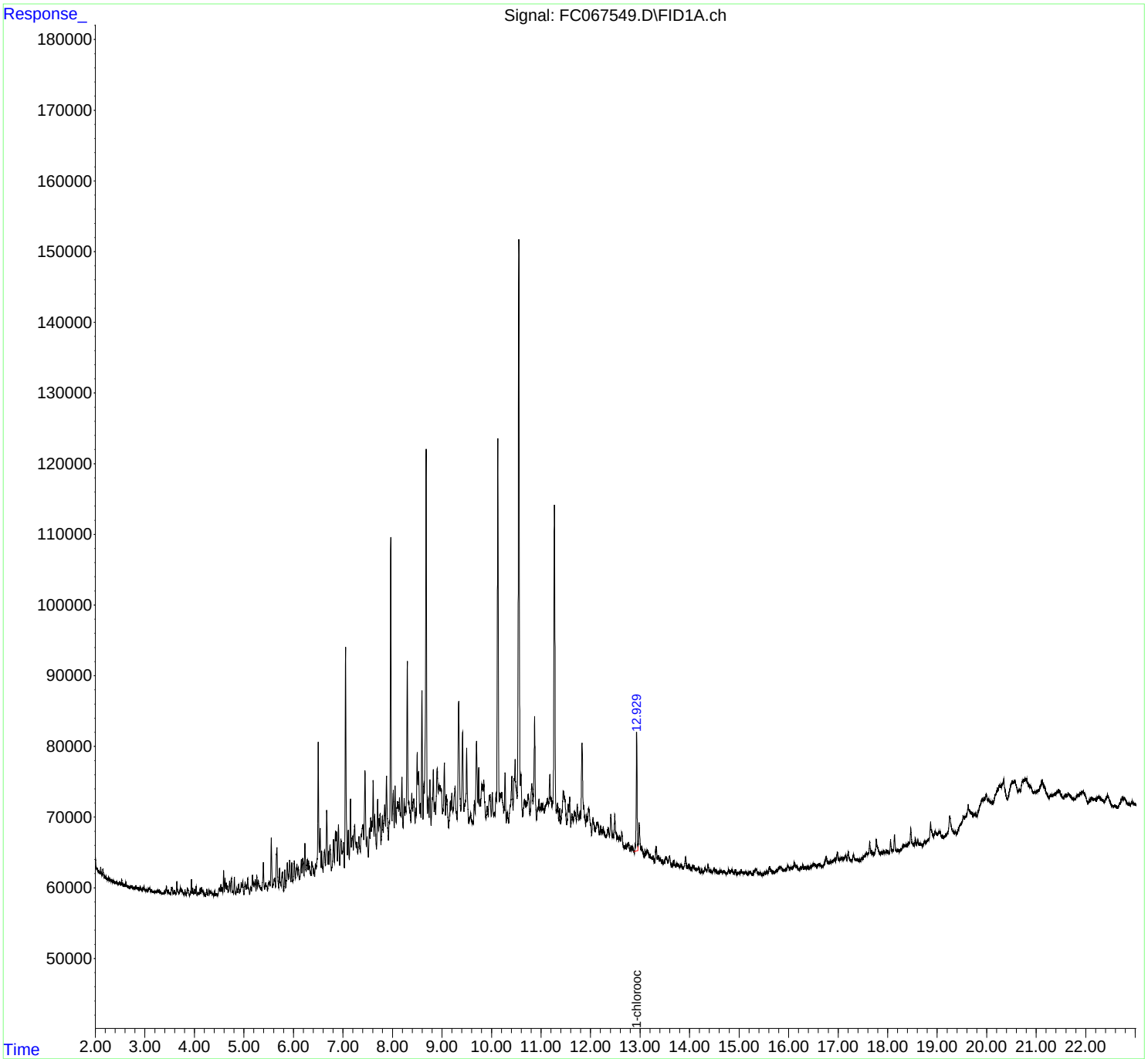
(f)=RT Delta > 1/2 Window (m)=manual int.

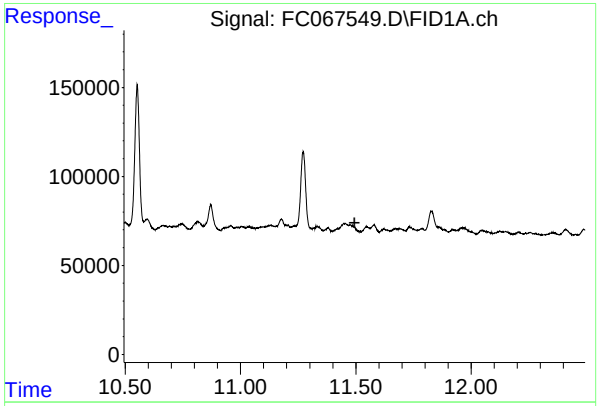
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067549.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 18:52
Operator : YP/AJ
Sample : P4518-01DL2 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-1DL2

Integration File: sample.E
Quant Time: Oct 30 03:44:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

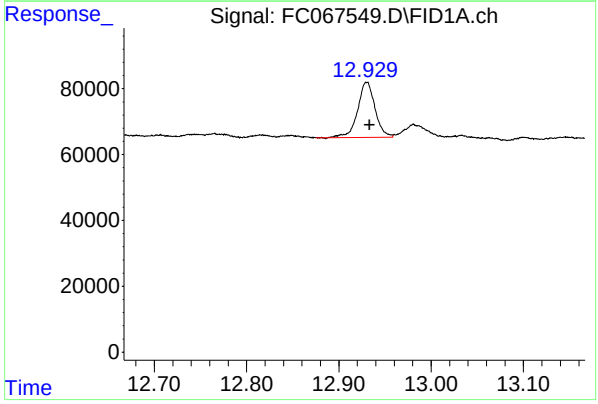




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-1DL2



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: -0.003 min
Response: 218686
Conc: 2.03 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067549.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 18:52
Sample : P4518-01DL2 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.265	3.211	3.280	PV	316	5635	0.36%	0.011%
2	3.291	3.280	3.367	VV	415	4975	0.32%	0.009%
3	3.397	3.367	3.410	PV	351	3738	0.24%	0.007%
4	3.436	3.410	3.460	VV	1090	15553	0.99%	0.029%
5	3.474	3.460	3.520	VV	460	8370	0.53%	0.016%
6	3.541	3.520	3.578	VV	869	16178	1.03%	0.031%
7	3.600	3.578	3.624	VV	583	7620	0.49%	0.014%
8	3.645	3.624	3.688	VV	1826	24205	1.55%	0.046%
9	3.717	3.688	3.741	VV	1042	20093	1.28%	0.038%
10	3.750	3.741	3.794	VV	690	11047	0.71%	0.021%
11	3.811	3.794	3.829	VV	707	7206	0.46%	0.014%
12	3.859	3.829	3.904	VV	1034	20162	1.29%	0.038%
13	3.941	3.904	3.956	PV	2215	25816	1.65%	0.049%
14	3.967	3.956	3.988	VV	973	10899	0.70%	0.021%
15	4.000	3.988	4.021	VV	807	11222	0.72%	0.021%
16	4.034	4.021	4.054	VV	1277	13594	0.87%	0.026%
17	4.072	4.054	4.090	VV	498	6486	0.41%	0.012%
18	4.117	4.090	4.129	VV	1106	13328	0.85%	0.025%
19	4.144	4.129	4.221	VV	1168	27568	1.76%	0.052%
20	4.251	4.221	4.270	PV	989	12011	0.77%	0.023%
21	4.292	4.270	4.313	VV	843	13193	0.84%	0.025%
22	4.334	4.313	4.390	VV	568	15411	0.98%	0.029%
23	4.407	4.390	4.428	PV	626	7360	0.47%	0.014%
24	4.439	4.428	4.471	VV	264	4985	0.32%	0.009%
25	4.503	4.471	4.518	VV	1084	19953	1.27%	0.038%
26	4.535	4.518	4.549	VV	1547	19454	1.24%	0.037%
27	4.561	4.549	4.575	VV	1074	13086	0.84%	0.025%
28	4.591	4.575	4.606	VV	3512	33911	2.17%	0.064%
29	4.620	4.606	4.633	VV	2396	25871	1.65%	0.049%
30	4.644	4.633	4.657	VV	1733	19520	1.25%	0.037%
31	4.666	4.657	4.681	VV	1327	13460	0.86%	0.025%
32	4.711	4.681	4.727	VV	2018	31245	2.00%	0.059%
33	4.747	4.727	4.791	VV	2398	43690	2.79%	0.083%
34	4.807	4.791	4.838	VV	2520	28449	1.82%	0.054%
35	4.857	4.838	4.871	VV	952	11695	0.75%	0.022%
36	4.892	4.871	4.911	VV	1441	21886	1.40%	0.041%

rteres

37	4.922	4.911	4.929	VV	771	6252	0.40%	0.012%
38	4.946	4.929	4.958	VV	1668	20224	1.29%	0.038%
39	4.976	4.958	5.000	VV	1873	27534	1.76%	0.052%
40	5.024	5.000	5.041	VV	1758	25835	1.65%	0.049%
41	5.052	5.041	5.061	VV	1369	13602	0.87%	0.026%
42	5.076	5.061	5.115	VV	2340	37151	2.37%	0.070%
43	5.141	5.115	5.153	VV	943	14492	0.93%	0.027%
44	5.173	5.153	5.203	VV	2715	47490	3.03%	0.090%
45	5.230	5.203	5.245	VV	2089	37279	2.38%	0.070%
46	5.261	5.245	5.276	VV	2642	30062	1.92%	0.057%
47	5.291	5.276	5.312	VV	1968	31748	2.03%	0.060%
48	5.321	5.312	5.337	VV	1217	14973	0.96%	0.028%
49	5.351	5.337	5.361	VV	917	10928	0.70%	0.021%
50	5.393	5.361	5.420	VV	4456	70077	4.47%	0.132%
51	5.443	5.420	5.477	VV	1664	38004	2.43%	0.072%
52	5.496	5.477	5.508	VV	1588	22324	1.43%	0.042%
53	5.517	5.508	5.530	VV	1552	19262	1.23%	0.036%
54	5.553	5.530	5.579	VV	7745	109092	6.97%	0.206%
55	5.620	5.579	5.638	VV	2218	56471	3.61%	0.107%
56	5.666	5.638	5.700	VV	6457	125887	8.04%	0.238%
57	5.719	5.700	5.751	VV	3540	57251	3.66%	0.108%
58	5.780	5.751	5.803	VV	3064	59957	3.83%	0.113%
59	5.826	5.803	5.846	VV	3310	43938	2.81%	0.083%
60	5.876	5.846	5.895	VV	4232	75902	4.85%	0.143%
61	5.924	5.895	5.949	VV	4560	98497	6.29%	0.186%
62	5.968	5.949	5.986	VV	4281	61162	3.91%	0.116%
63	6.018	5.986	6.039	VV	4431	90714	5.79%	0.171%
64	6.070	6.039	6.085	VV	4040	85952	5.49%	0.162%
65	6.099	6.085	6.126	VV	3548	69831	4.46%	0.132%
66	6.160	6.126	6.173	VV	4653	91193	5.82%	0.172%
67	6.188	6.173	6.213	VV	4825	89798	5.73%	0.170%
68	6.232	6.213	6.255	VV	6926	115499	7.38%	0.218%
69	6.279	6.255	6.295	VV	4616	93477	5.97%	0.177%
70	6.308	6.295	6.356	VV	4427	123630	7.89%	0.234%
71	6.372	6.356	6.401	VV	4307	93242	5.95%	0.176%
72	6.412	6.401	6.427	VV	3344	45232	2.89%	0.085%
73	6.444	6.427	6.457	VV	4014	58011	3.70%	0.110%
74	6.501	6.457	6.525	VV	21094	344783	22.02%	0.652%
75	6.540	6.525	6.560	VV	9003	134848	8.61%	0.255%
76	6.572	6.560	6.598	VV	5738	95170	6.08%	0.180%
77	6.627	6.598	6.648	VV	5822	137711	8.79%	0.260%
78	6.673	6.648	6.698	VV	11353	213706	13.65%	0.404%
79	6.710	6.698	6.721	VV	5745	67794	4.33%	0.128%
80	6.738	6.721	6.767	VV	6552	137473	8.78%	0.260%
81	6.810	6.767	6.829	VV	7352	178984	11.43%	0.338%
82	6.851	6.829	6.861	VV	8542	131261	8.38%	0.248%
83	6.871	6.861	6.890	VV	8392	116227	7.42%	0.220%
84	6.910	6.890	6.936	VV	9366	176625	11.28%	0.334%
85	6.961	6.936	6.981	VV	7291	159894	10.21%	0.302%
86	7.009	6.981	7.029	VV	6807	157080	10.03%	0.297%
87	7.054	7.029	7.091	VV	34184	524447	33.49%	0.991%
88	7.108	7.091	7.128	VV	8605	144195	9.21%	0.273%
89	7.153	7.128	7.171	VV	12938	214241	13.68%	0.405%

90	7.196	7.171	7.211	VV	7621	169214	10.81%	0.320%
91	7.237	7.211	7.268	VV	9331	254316	16.24%	0.481%
92	7.280	7.268	7.300	VV	6749	117692	7.52%	0.222%
93	7.324	7.300	7.350	VV	7584	190092	12.14%	0.359%
94	7.398	7.350	7.420	VV	9180	337002	21.52%	0.637%
95	7.447	7.420	7.475	VV	16941	359309	22.94%	0.679%
96	7.488	7.475	7.513	VV	7474	144159	9.21%	0.272%
97	7.534	7.513	7.548	VV	8727	146423	9.35%	0.277%
98	7.562	7.548	7.574	VV	10255	145008	9.26%	0.274%
99	7.586	7.574	7.593	VV	9591	101463	6.48%	0.192%
100	7.611	7.593	7.628	VV	15547	239276	15.28%	0.452%
101	7.642	7.628	7.678	VV	10571	247653	15.81%	0.468%
102	7.701	7.678	7.718	VV	12686	229071	14.63%	0.433%
103	7.730	7.718	7.740	VV	9981	121958	7.79%	0.231%
104	7.751	7.740	7.769	VV	10713	157537	10.06%	0.298%
105	7.796	7.769	7.813	VV	10428	232534	14.85%	0.440%
106	7.844	7.813	7.861	VV	11946	289460	18.48%	0.547%
107	7.881	7.861	7.919	VV	16027	386060	24.65%	0.730%
108	7.966	7.919	7.991	VV	49667	807514	51.57%	1.526%
109	8.017	7.991	8.037	VV	13849	317445	20.27%	0.600%
110	8.054	8.037	8.075	VV	14496	259894	16.60%	0.491%
111	8.106	8.075	8.128	VV	12309	368027	23.50%	0.696%
112	8.143	8.128	8.170	VV	12716	282932	18.07%	0.535%
113	8.192	8.170	8.213	VV	15620	313582	20.02%	0.593%
114	8.238	8.213	8.252	VV	12566	248823	15.89%	0.470%
115	8.263	8.252	8.273	VV	11586	139618	8.92%	0.264%
116	8.301	8.273	8.371	VV	32238	901415	57.56%	1.704%
117	8.391	8.371	8.407	VV	13413	252612	16.13%	0.477%
118	8.432	8.407	8.458	VV	12633	347038	22.16%	0.656%
119	8.472	8.458	8.480	VV	11257	140217	8.95%	0.265%
120	8.499	8.480	8.513	VV	19023	298606	19.07%	0.564%
121	8.528	8.513	8.552	VV	16415	337783	21.57%	0.638%
122	8.564	8.552	8.578	VV	11991	174524	11.14%	0.330%
123	8.597	8.578	8.619	VV	27826	436761	27.89%	0.826%
124	8.636	8.619	8.643	VV	14592	190667	12.18%	0.360%
125	8.681	8.643	8.708	VV	61546	1096157	70.00%	2.072%
126	8.721	8.708	8.740	VV	12564	225040	14.37%	0.425%
127	8.758	8.740	8.781	VV	15143	293741	18.76%	0.555%
128	8.826	8.781	8.844	VV	16741	479881	30.64%	0.907%
129	8.857	8.844	8.872	VV	12024	191647	12.24%	0.362%
130	8.903	8.872	8.924	VV	16766	435030	27.78%	0.822%
131	8.938	8.924	8.954	VV	14382	259823	16.59%	0.491%
132	8.968	8.954	9.011	VV	14325	450262	28.75%	0.851%
133	9.049	9.011	9.071	VV	17484	467668	29.86%	0.884%
134	9.092	9.071	9.133	VV	13029	412217	26.32%	0.779%
135	9.168	9.133	9.181	VV	12017	295637	18.88%	0.559%
136	9.199	9.181	9.231	VV	13083	348861	22.28%	0.659%
137	9.265	9.231	9.308	VV	14186	543403	34.70%	1.027%
138	9.337	9.308	9.381	VV	26136	730903	46.67%	1.381%
139	9.417	9.381	9.444	VV	21745	563114	35.96%	1.064%
140	9.499	9.444	9.544	VV	19446	763492	48.75%	1.443%
141	9.579	9.544	9.631	VV	10282	498259	31.82%	0.942%

142	9.656	9.631	9.671	VV	12081	252122	16.10%	0.477%
143	9.698	9.671	9.727	VV	20367	517179	33.03%	0.978%
144	9.742	9.727	9.762	VV	16509	293873	18.77%	0.555%
145	9.804	9.762	9.834	VV	14298	563803	36.00%	1.066%
146	9.844	9.834	9.885	VV	14939	373648	23.86%	0.706%
147	9.913	9.885	9.933	VV	11185	296107	18.91%	0.560%
148	9.971	9.933	9.996	VV	12728	438123	27.98%	0.828%
149	10.017	9.996	10.048	VV	13052	350031	22.35%	0.662%
150	10.129	10.048	10.161	VV	62142	1460148	93.24%	2.760%
151	10.173	10.161	10.194	VV	12818	247542	15.81%	0.468%
152	10.207	10.194	10.248	VV	13052	386780	24.70%	0.731%
153	10.275	10.248	10.300	VV	15789	378472	24.17%	0.715%
154	10.318	10.300	10.344	VV	10274	255825	16.34%	0.484%
155	10.410	10.344	10.437	VV	15307	644473	41.15%	1.218%
156	10.478	10.437	10.516	VV	17525	671446	42.88%	1.269%
157	10.552	10.516	10.582	VV	90806	1565999	100.00%	2.960%
158	10.594	10.582	10.634	VV	15399	395727	25.27%	0.748%
159	10.665	10.634	10.701	VV	11886	449676	28.71%	0.850%
160	10.712	10.701	10.718	VV	11550	114380	7.30%	0.216%
161	10.745	10.718	10.780	VV	12593	430975	27.52%	0.815%
162	10.815	10.780	10.838	VV	14108	431104	27.53%	0.815%
163	10.871	10.838	10.914	VV	23652	655377	41.85%	1.239%
164	10.957	10.914	10.994	VV	11820	513539	32.79%	0.971%
165	11.005	10.994	11.024	VV	11321	196634	12.56%	0.372%
166	11.035	11.024	11.063	VV	11201	251532	16.06%	0.475%
167	11.130	11.063	11.150	VV	11892	579593	37.01%	1.095%
168	11.177	11.150	11.218	VV	15286	509667	32.55%	0.963%
169	11.272	11.218	11.308	VV	53084	1203989	76.88%	2.276%
170	11.333	11.308	11.359	VV	11245	313588	20.02%	0.593%
171	11.379	11.359	11.398	VV	10395	221209	14.13%	0.418%
172	11.452	11.398	11.514	VV	12718	748940	47.83%	1.416%
173	11.547	11.514	11.561	VV	11004	271996	17.37%	0.514%
174	11.578	11.561	11.602	VV	11997	251615	16.07%	0.476%
175	11.622	11.602	11.654	VV	9688	283490	18.10%	0.536%
176	11.671	11.654	11.684	VV	10003	171615	10.96%	0.324%
177	11.690	11.684	11.714	VV	9879	166620	10.64%	0.315%
178	11.733	11.714	11.765	VV	10864	299279	19.11%	0.566%
179	11.786	11.765	11.799	VV	10019	193730	12.37%	0.366%
180	11.828	11.799	11.901	VV	19525	738767	47.18%	1.396%
181	11.919	11.901	11.941	VV	9418	209967	13.41%	0.397%
182	11.961	11.941	12.021	VV	10357	428093	27.34%	0.809%
183	12.050	12.021	12.097	VV	8973	359909	22.98%	0.680%
184	12.125	12.097	12.181	VV	8311	384254	24.54%	0.726%
185	12.207	12.181	12.227	VV	7688	195741	12.50%	0.370%
186	12.256	12.227	12.318	VV	7600	373620	23.86%	0.706%
187	12.354	12.318	12.382	VV	7506	264406	16.88%	0.500%
188	12.409	12.382	12.463	VV	9340	354704	22.65%	0.670%
189	12.489	12.463	12.534	VV	9338	308169	19.68%	0.582%
190	12.545	12.534	12.574	VV	6298	144272	9.21%	0.273%
191	12.588	12.574	12.610	VV	6321	127348	8.13%	0.241%
192	12.632	12.610	12.691	VV	6788	264498	16.89%	0.500%
193	12.706	12.691	12.723	VV	4861	91266	5.83%	0.173%
194	12.743	12.723	12.753	VV	5066	88825	5.67%	0.168%

rteres

195	12.765	12.753	12.796	VV	5306	122060	7.79%	0.231%
196	12.816	12.796	12.834	VV	4832	105677	6.75%	0.200%
197	12.847	12.834	12.884	VV	4731	130801	8.35%	0.247%
198	12.930	12.884	12.959	VV	20937	402829	25.72%	0.761%
199	12.982	12.959	13.021	VV	8016	219713	14.03%	0.415%
200	13.033	13.021	13.084	VV	4716	151642	9.68%	0.287%
201	13.101	13.084	13.119	VV	4055	76688	4.90%	0.145%
202	13.145	13.119	13.182	VV	4150	142641	9.11%	0.270%
203	13.198	13.182	13.245	VV	3457	121674	7.77%	0.230%
204	13.263	13.245	13.291	VV	3331	79368	5.07%	0.150%
205	13.323	13.291	13.349	VV	4436	123513	7.89%	0.233%
206	13.370	13.349	13.394	VV	3297	81624	5.21%	0.154%
207	13.409	13.394	13.441	VV	2884	74959	4.79%	0.142%
208	13.454	13.441	13.488	VV	2618	66164	4.23%	0.125%
209	13.531	13.488	13.567	VV	2985	128014	8.17%	0.242%
210	13.596	13.567	13.638	VV	3204	106426	6.80%	0.201%
211	13.679	13.638	13.714	VV	2557	91226	5.83%	0.172%
212	13.740	13.714	13.758	VV	2095	49483	3.16%	0.094%
213	13.768	13.758	13.792	VV	1965	36783	2.35%	0.070%
214	13.833	13.792	13.872	VV	1907	79559	5.08%	0.150%
215	13.918	13.872	13.954	VV	2922	98447	6.29%	0.186%
216	13.980	13.954	14.021	VV	1906	62039	3.96%	0.117%
217	14.068	14.021	14.114	VV	1802	81518	5.21%	0.154%
218	14.124	14.114	14.151	VV	1290	26130	1.67%	0.049%
219	14.182	14.151	14.226	VV	1473	49928	3.19%	0.094%
220	14.242	14.226	14.278	VV	1096	27426	1.75%	0.052%
221	14.311	14.278	14.344	VV	1333	42606	2.72%	0.081%
222	14.371	14.344	14.456	VV	1675	69952	4.47%	0.132%
223	14.491	14.456	14.584	VV	1289	64016	4.09%	0.121%
224	14.619	14.584	14.658	VV	853	31265	2.00%	0.059%
225	14.694	14.658	14.735	VV	830	30409	1.94%	0.057%
226	14.786	14.735	14.818	VV	1039	31703	2.02%	0.060%
227	14.844	14.818	14.894	VV	896	31663	2.02%	0.060%
228	14.927	14.894	14.961	VV	903	23532	1.50%	0.044%
229	14.989	14.961	15.001	VV	457	9366	0.60%	0.018%
230	15.035	15.001	15.101	VV	742	30972	1.98%	0.059%
231	15.105	15.101	15.111	VV	528	2923	0.19%	0.006%
232	15.126	15.111	15.184	VV	596	16582	1.06%	0.031%
233	15.214	15.184	15.281	VV	534	19859	1.27%	0.038%
234	15.338	15.281	15.371	VV	890	35825	2.29%	0.068%
235	15.385	15.371	15.413	VV	440	8099	0.52%	0.015%
236	15.431	15.413	15.465	VV	368	6217	0.40%	0.012%
237	15.484	15.465	15.504	PV	179	2501	0.16%	0.005%
238	15.519	15.504	15.534	VV	380	5030	0.32%	0.010%
239	15.553	15.534	15.586	VV	404	8475	0.54%	0.016%
240	15.615	15.586	15.677	VV	1022	29968	1.91%	0.057%
241	15.688	15.677	15.718	VV	298	5673	0.36%	0.011%
242	15.807	15.718	15.824	VV	761	27776	1.77%	0.052%
243	15.847	15.824	15.886	VV	809	20571	1.31%	0.039%
244	15.898	15.886	15.919	VV	325	5635	0.36%	0.011%
245	15.939	15.919	15.950	VV	411	5772	0.37%	0.011%
246	15.982	15.950	16.024	VV	820	24896	1.59%	0.047%

rteres

247	16.038	16.024	16.072	VV	562	12808	0.82%	0.024%
248	16.116	16.072	16.148	VV	1020	31756	2.03%	0.060%
249	16.162	16.148	16.214	VV	613	13537	0.86%	0.026%
250	16.238	16.214	16.263	VV	389	7711	0.49%	0.015%
251	16.285	16.263	16.361	VV	726	14752	0.94%	0.028%
252	16.386	16.361	16.418	VV	303	4705	0.30%	0.009%
253	16.511	16.418	16.566	VV	614	32539	2.08%	0.062%
254	16.617	16.566	16.674	VV	544	18235	1.16%	0.034%
255	16.758	16.674	16.791	PV	1304	38881	2.48%	0.073%
256	16.799	16.791	16.818	VV	499	6611	0.42%	0.012%
257	16.931	16.818	16.948	VV	761	43920	2.80%	0.083%
258	16.982	16.948	17.015	VV	1732	44146	2.82%	0.083%
259	17.052	17.015	17.061	VV	815	18607	1.19%	0.035%
260	17.071	17.061	17.114	VV	902	22764	1.45%	0.043%
261	17.153	17.114	17.179	VV	1123	31570	2.02%	0.060%
262	17.203	17.179	17.279	VV	1472	36907	2.36%	0.070%
263	17.309	17.279	17.370	VV	1032	26202	1.67%	0.050%
264	17.385	17.370	17.411	VV	301	4541	0.29%	0.009%
265	17.482	17.411	17.498	PV	369	6420	0.41%	0.012%
266	17.524	17.498	17.538	VV	567	9200	0.59%	0.017%
267	17.572	17.538	17.598	VV	811	23704	1.51%	0.045%
268	17.636	17.598	17.668	VV	2328	51940	3.32%	0.098%
269	17.675	17.668	17.718	VV	949	20212	1.29%	0.038%
270	17.772	17.718	17.858	VV	2315	82720	5.28%	0.156%
271	17.868	17.858	17.891	VV	549	7420	0.47%	0.014%
272	17.928	17.891	17.951	VV	594	15393	0.98%	0.029%
273	17.971	17.951	17.994	VV	539	10366	0.66%	0.020%
274	18.001	17.994	18.033	VV	446	6563	0.42%	0.012%
275	18.058	18.033	18.090	VV	1920	28169	1.80%	0.053%
276	18.102	18.090	18.111	VV	401	4350	0.28%	0.008%
277	18.138	18.111	18.191	VV	2476	39814	2.54%	0.075%
278	18.207	18.191	18.230	VV	250	3303	0.21%	0.006%
279	18.329	18.230	18.350	VV	794	27874	1.78%	0.053%
280	18.377	18.350	18.394	VV	768	16271	1.04%	0.031%
281	18.432	18.394	18.440	VV	901	20608	1.32%	0.039%
282	18.468	18.440	18.534	VV	2901	66368	4.24%	0.125%
283	18.560	18.534	18.585	VV	1244	21723	1.39%	0.041%
284	18.605	18.585	18.643	VV	928	18797	1.20%	0.036%
285	18.666	18.643	18.710	VV	410	8167	0.52%	0.015%
286	18.745	18.710	18.763	PV	551	11122	0.71%	0.021%
287	18.866	18.763	18.927	VV	2999	112676	7.20%	0.213%
288	18.960	18.927	19.004	VV	1638	59027	3.77%	0.112%
289	19.033	19.004	19.094	VV	1416	59369	3.79%	0.112%
290	19.105	19.094	19.129	VV	695	11254	0.72%	0.021%
291	19.254	19.129	19.348	VV	3174	159941	10.21%	0.302%
292	19.369	19.348	19.387	VV	807	15004	0.96%	0.028%
293	19.524	19.387	19.548	VV	2707	149361	9.54%	0.282%
294	19.626	19.548	19.721	VV	4135	305642	19.52%	0.578%
295	19.739	19.721	19.754	VV	2590	49405	3.15%	0.093%
296	19.762	19.754	19.769	VV	2547	21669	1.38%	0.041%
297	19.776	19.769	19.811	VV	2563	60261	3.85%	0.114%
298	19.914	19.811	19.931	VV	4539	258810	16.53%	0.489%
299	19.942	19.931	19.964	VV	4591	86533	5.53%	0.164%

rteres

300	19.990	19.964	20.027	VV	5067	170816	10.91%	0.323%
301	20.038	20.027	20.114	VV	4178	198751	12.69%	0.376%
302	20.213	20.114	20.226	VV	5397	291404	18.61%	0.551%
303	20.255	20.226	20.274	VV	5886	160259	10.23%	0.303%
304	20.287	20.274	20.301	VV	5765	88982	5.68%	0.168%
305	20.345	20.301	20.421	VV	6306	358718	22.91%	0.678%
306	20.510	20.421	20.524	VV	5817	300230	19.17%	0.567%
307	20.532	20.524	20.544	VV	5659	67665	4.32%	0.128%
308	20.554	20.544	20.564	VV	5919	68442	4.37%	0.129%
309	20.573	20.564	20.634	VV	5802	207827	13.27%	0.393%
310	20.667	20.634	20.681	VV	4384	120760	7.71%	0.228%
311	20.722	20.681	20.731	VV	5476	148027	9.45%	0.280%
312	20.746	20.731	20.755	VV	5625	78519	5.01%	0.148%

Sum of corrected areas: 52907464

Aliphatic EPH 102324.M Wed Oct 30 05:32:36 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/23/24
Project:	North Point			Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-2			SDG No.:	P4518
Lab Sample ID:	P4518-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	79.2
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/29/24 7:42	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	44.1		5	2.39	6.30	mg/kg	FC067550.D
Aliphatic C12-C16	Aliphatic C12-C16	235		25	7.56	21.0	mg/kg	FC067553.D
Aliphatic C16-C21	Aliphatic C16-C21	340		25	9.45	31.5	mg/kg	FC067553.D
Aliphatic C21-C28	Aliphatic C21-C28	100		5	5.04	8.40	mg/kg	FC067550.D
Aliphatic C28-C40	Aliphatic C28-C40	125		5	11.3	12.6	mg/kg	FC067550.D
Aromatic C10-C12	Aromatic C10-C12	17.5		2	0.76	1.68	mg/kg	FD048610.D
Aromatic C12-C16	Aromatic C12-C16	125		20	8.57	25.2	mg/kg	FD048611.D
Aromatic C16-C21	Aromatic C16-C21	433		20	24.2	42.0	mg/kg	FD048611.D
Aromatic C21-C36	Aromatic C21-C36	77.6		2	5.04	6.72	mg/kg	FD048610.D
Total AliphaticEPH	Total AliphaticEPH	844			35.7	79.8	mg/kg	
Total AromaticEPH	Total AromaticEPH	653			38.6	75.6	mg/kg	
Total EPH	Total EPH	1500			74.3	155	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2		SDG No.:	P4518	
Lab Sample ID:	P4518-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
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
FC067527.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	48.1	E	0.48	1.26	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	229	E	0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	328	E	0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	133	E	1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	129	E	2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	18.5		40 - 140	37%	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:	P4518-02	Acq On:	25 Oct 2024 16:54
Client Sample ID:	EX-5-TPH-2	Operator:	YP/AJ
Data file:	FC067527.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	77619115	572.963	300	ug/ml
Aliphatic C12-C16	6.454	9.843	358862923	2730	200	ug/ml
Aliphatic C16-C21	9.844	13.201	498057818	3910	300	ug/ml
Aliphatic C21-C28	13.202	16.856	191040399	1590	400	ug/ml
Aliphatic C28-C40	16.857	21.702	155735922	1540	600	ug/ml
Aliphatic EPH	3.173	21.702	1281316177	10300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.938	12.938	1994533	18.47		ug/ml
Aliphatic C9-C28	3.173	16.856	1125580255	8800	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067527.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 16:54
Operator : YP/AJ
Sample : P4518-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:48:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.938	1994533	18.470 ug/mlm
Spiked Amount 50.000		Recovery = 36.94%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

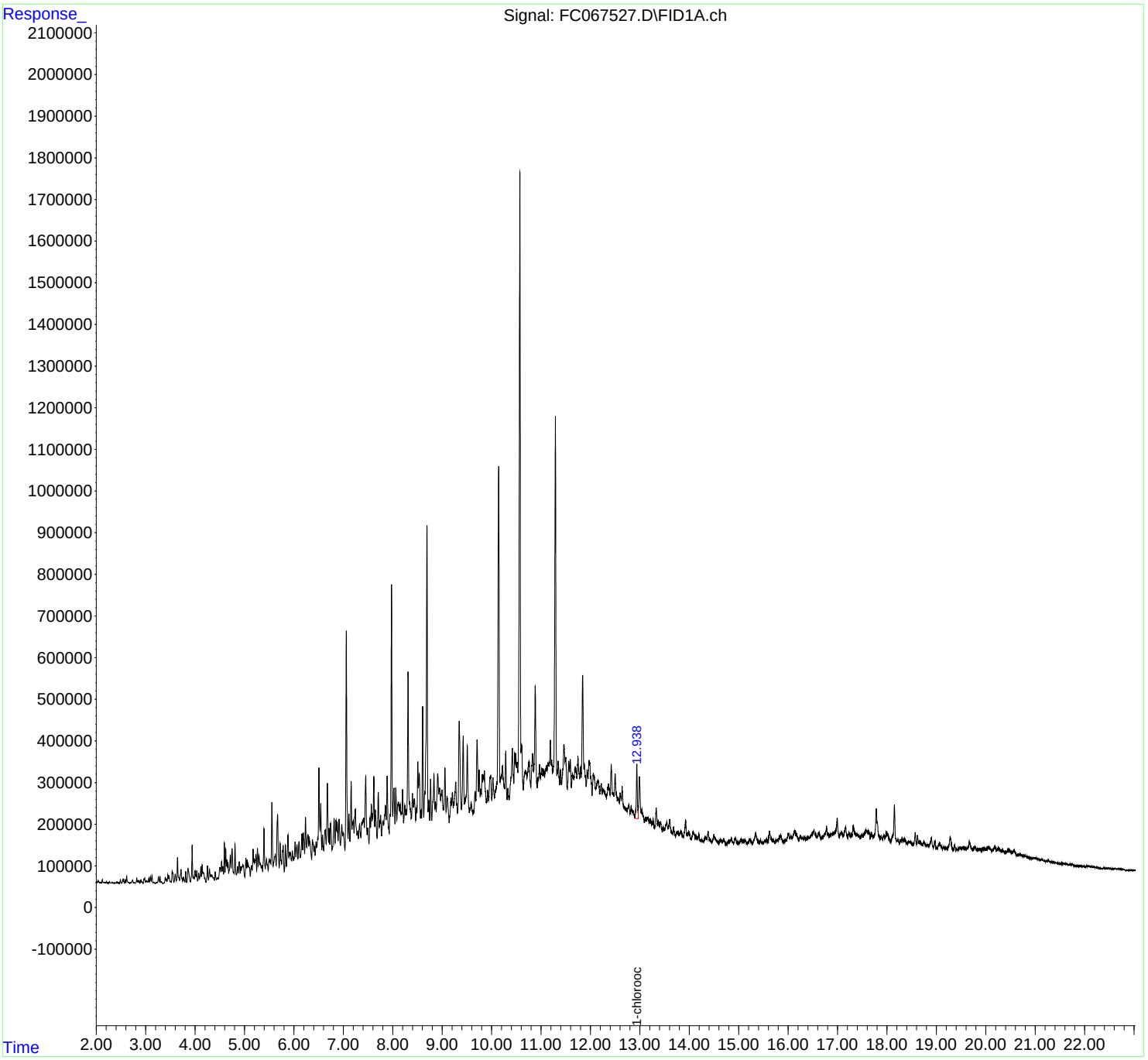
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067527.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 16:54
Operator : YP/AJ
Sample : P4518-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

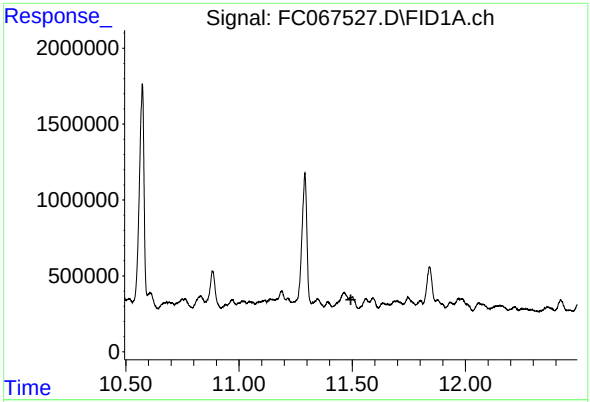
Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:48:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





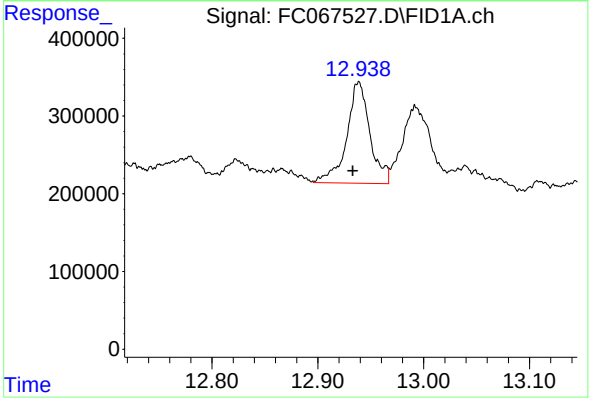
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: 0.005 min
Response: 1994533
Conc: 18.47 ug/ml m

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10252
Data File : FC067527.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 16:54
Sample : P4518-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.217	3.204	3.231	PH	-40598	-658458	-2.14%	-0.051%
2	3.259	3.231	3.276	PV	-2326	-427116	-1.39%	-0.033%
3	3.291	3.276	3.308	PV	14052	112827	0.37%	0.009%
4	3.319	3.308	3.349	VV	3048	33778	0.11%	0.003%
5	3.397	3.349	3.433	PV	14296	272069	0.89%	0.021%
6	3.450	3.433	3.462	VV	20472	220039	0.72%	0.017%
7	3.473	3.462	3.501	VV	17945	238011	0.78%	0.019%
8	3.511	3.501	3.519	VV	4904	42004	0.14%	0.003%
9	3.538	3.519	3.572	VV	28685	504822	1.64%	0.039%
10	3.599	3.572	3.619	VV	21991	327407	1.07%	0.026%
11	3.645	3.619	3.686	VV	61384	845817	2.75%	0.066%
12	3.716	3.686	3.750	VV	32052	614584	2.00%	0.048%
13	3.765	3.750	3.793	VV	14302	213347	0.69%	0.017%
14	3.810	3.793	3.829	VV	27787	253470	0.83%	0.020%
15	3.858	3.829	3.904	VV	34998	731198	2.38%	0.057%
16	3.941	3.904	3.959	VV	90557	1028649	3.35%	0.080%
17	3.967	3.959	3.983	VV	14745	179138	0.58%	0.014%
18	4.001	3.983	4.019	VV	28971	392966	1.28%	0.031%
19	4.033	4.019	4.053	VV	28999	345681	1.13%	0.027%
20	4.074	4.053	4.090	VV	23175	298482	0.97%	0.023%
21	4.117	4.090	4.129	VV	38265	508564	1.66%	0.040%
22	4.144	4.129	4.219	VV	42334	1028827	3.35%	0.080%
23	4.251	4.219	4.270	VV	40845	535645	1.74%	0.042%
24	4.291	4.270	4.314	VV	32176	512088	1.67%	0.040%
25	4.327	4.314	4.365	VV	18376	465805	1.52%	0.036%
26	4.373	4.365	4.389	VV	12107	138118	0.45%	0.011%
27	4.407	4.389	4.431	VV	25416	360841	1.18%	0.028%
28	4.455	4.431	4.469	VV	11118	201091	0.65%	0.016%
29	4.504	4.469	4.520	VV	35119	750408	2.44%	0.059%
30	4.535	4.520	4.550	VV	49869	674164	2.20%	0.053%
31	4.561	4.550	4.576	VV	37462	480495	1.56%	0.037%
32	4.592	4.576	4.606	VV	94438	990284	3.23%	0.077%
33	4.620	4.606	4.635	VV	79217	934456	3.04%	0.073%
34	4.645	4.635	4.658	VV	53734	649270	2.11%	0.051%
35	4.667	4.658	4.681	VV	47977	511392	1.67%	0.040%
36	4.713	4.681	4.728	VV	63830	1179524	3.84%	0.092%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

37	4.747	4.728	4.787	VV	80025	1607621	5.24%	0.125%
38	4.808	4.787	4.837	VV	90705	1241217		
39	4.858	4.837	4.872	VV	37171	572546		
40	4.892	4.872	4.911	VV	48515	843969		
41	4.922	4.911	4.933	VV	37335	405985		
42	4.962	4.933	5.005	VV	41103	1347817		
43	5.028	5.005	5.041	VV	56817	786624	2.56%	0.061%
44	5.053	5.041	5.065	VV	52497	607863	1.98%	0.047%
45	5.073	5.065	5.116	VV	43415	1035382	3.37%	0.081%
46	5.143	5.116	5.154	VV	38103	692860	2.26%	0.054%
47	5.174	5.154	5.204	VV	78169	1603860	5.22%	0.125%
48	5.231	5.204	5.246	VV	65569	1263235	4.11%	0.099%
49	5.262	5.246	5.277	VV	79397	1014245	3.30%	0.079%
50	5.292	5.277	5.339	VV	63310	1709479	5.57%	0.133%
51	5.352	5.339	5.365	VV	39158	534557	1.74%	0.042%
52	5.395	5.365	5.420	VV	126897	2040653	6.65%	0.159%
53	5.444	5.420	5.478	VV	53836	1450618	4.72%	0.113%
54	5.497	5.478	5.508	VV	52207	776749	2.53%	0.061%
55	5.520	5.508	5.533	VV	51551	695583	2.27%	0.054%
56	5.554	5.533	5.580	VV	189619	2768462	9.02%	0.216%
57	5.622	5.580	5.640	VV	63978	1866506	6.08%	0.146%
58	5.669	5.640	5.702	VV	160500	3425947	11.16%	0.267%
59	5.721	5.702	5.751	VV	91258	1699950	5.54%	0.133%
60	5.782	5.751	5.805	VV	84544	1910669	6.22%	0.149%
61	5.829	5.805	5.849	VV	86490	1383819	4.51%	0.108%
62	5.879	5.849	5.898	VV	110425	2159974	7.03%	0.169%
63	5.908	5.898	5.917	VV	68934	729888	2.38%	0.057%
64	5.927	5.917	5.950	VV	67912	1178707	3.84%	0.092%
65	5.969	5.950	5.987	VV	71341	1296259	4.22%	0.101%
66	6.024	5.987	6.041	VV	93502	2171457	7.07%	0.169%
67	6.062	6.041	6.082	VV	86639	1768493	5.76%	0.138%
68	6.102	6.082	6.129	VV	93424	2086122	6.79%	0.163%
69	6.162	6.129	6.176	VV	112858	2310931	7.53%	0.180%
70	6.191	6.176	6.216	VV	113962	2250399	7.33%	0.176%
71	6.235	6.216	6.258	VV	151742	2667132	8.69%	0.208%
72	6.282	6.258	6.298	VV	109188	2329702	7.59%	0.182%
73	6.311	6.298	6.357	VV	104244	2902895	9.45%	0.227%
74	6.376	6.357	6.405	VV	98471	2275165	7.41%	0.178%
75	6.416	6.405	6.431	VV	79953	1122177	3.65%	0.088%
76	6.448	6.431	6.463	VV	92526	1593911	5.19%	0.124%
77	6.506	6.463	6.528	VV	268075	5570460	18.14%	0.435%
78	6.543	6.528	6.564	VV	184567	2842379	9.26%	0.222%
79	6.577	6.564	6.602	VV	109368	1974099	6.43%	0.154%
80	6.632	6.602	6.652	VV	120219	3066195	9.99%	0.239%
81	6.678	6.652	6.702	VV	231588	4463168	14.54%	0.348%
82	6.713	6.702	6.726	VV	124181	1535875	5.00%	0.120%
83	6.742	6.726	6.772	VV	136824	2993465	9.75%	0.234%
84	6.814	6.772	6.833	VV	147709	3853474	12.55%	0.301%
85	6.853	6.833	6.867	VV	142092	2463225	8.02%	0.192%
86	6.877	6.867	6.894	VV	140049	1952628	6.36%	0.152%
87	6.914	6.894	6.941	VV	146488	3265557	10.64%	0.255%
88	6.969	6.941	6.985	VV	132962	2940743	9.58%	0.229%
89	6.995	6.985	7.032	VV	113197	2775945	9.04%	0.217%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

90	7.060	7.032	7.096	VV	596314	9565802	31.16%	0.746%
91	7.113	7.096	7.133	VV	159202	2764114	9	
92	7.158	7.133	7.176	VV	236821	4084569	13	
93	7.200	7.176	7.217	VV	142005	3198140	10	
94	7.242	7.217	7.275	VV	168141	4848783	15	
95	7.288	7.275	7.304	VV	116157	1897882	6	
96	7.328	7.304	7.354	VV	134607	3477709	11.33%	0.271%
97	7.411	7.354	7.425	VV	147716	5665358	18.45%	0.442%
98	7.453	7.425	7.481	VV	249238	5775662	18.81%	0.451%
99	7.494	7.481	7.518	VV	123852	2448587	7.97%	0.191%
100	7.539	7.518	7.550	VV	146522	2331800	7.59%	0.182%
101	7.567	7.550	7.581	VV	179231	2834824	9.23%	0.221%
102	7.591	7.581	7.597	VV	156009	1483786	4.83%	0.116%
103	7.617	7.597	7.634	VV	247258	4048368	13.19%	0.316%
104	7.646	7.634	7.683	VV	164383	4096597	13.34%	0.320%
105	7.707	7.683	7.728	VV	208291	4081138	13.29%	0.318%
106	7.755	7.728	7.773	VV	152693	3641058	11.86%	0.284%
107	7.798	7.773	7.816	VV	135864	3311378	10.78%	0.258%
108	7.851	7.816	7.866	VV	175848	4645446	15.13%	0.362%
109	7.886	7.866	7.925	VV	248023	5957075	19.40%	0.465%
110	7.975	7.925	7.999	VV	706207	12298690	40.06%	0.960%
111	8.022	7.999	8.044	VV	218477	4872783	15.87%	0.380%
112	8.062	8.044	8.082	VV	218473	4002610	13.04%	0.312%
113	8.114	8.082	8.137	VV	184035	5651390	18.41%	0.441%
114	8.150	8.137	8.181	VV	178540	4322772	14.08%	0.337%
115	8.198	8.181	8.220	VV	213590	4073124	13.27%	0.318%
116	8.244	8.220	8.258	VV	176658	3630558	11.82%	0.283%
117	8.270	8.258	8.280	VV	165315	2162018	7.04%	0.169%
118	8.309	8.280	8.377	VV	494235	13468999	43.87%	1.051%
119	8.398	8.377	8.418	VV	204112	4338650	14.13%	0.339%
120	8.438	8.418	8.465	VV	191747	4879773	15.89%	0.381%
121	8.507	8.465	8.521	VV	278761	6693021	21.80%	0.522%
122	8.537	8.521	8.561	VV	251385	5049291	16.45%	0.394%
123	8.572	8.561	8.583	VV	163733	2066577	6.73%	0.161%
124	8.604	8.583	8.627	VV	413647	6828694	22.24%	0.533%
125	8.692	8.627	8.714	VV	844448	18397039	59.92%	1.436%
126	8.729	8.714	8.746	VV	187268	3234341	10.53%	0.252%
127	8.765	8.746	8.788	VV	238089	4597378	14.97%	0.359%
128	8.833	8.788	8.852	VV	250350	7326780	23.86%	0.572%
129	8.864	8.852	8.879	VV	181802	2785536	9.07%	0.217%
130	8.910	8.879	8.931	VV	249885	6663208	21.70%	0.520%
131	8.947	8.931	8.968	VV	216560	4588629	14.94%	0.358%
132	8.995	8.968	9.024	VV	209920	6494196	21.15%	0.507%
133	9.056	9.024	9.080	VV	264982	6681561	21.76%	0.521%
134	9.099	9.080	9.141	VV	195728	6244420	20.34%	0.487%
135	9.177	9.141	9.189	VV	191073	4756172	15.49%	0.371%
136	9.207	9.189	9.224	VV	202247	3909124	12.73%	0.305%
137	9.273	9.224	9.311	VV	228023	9936266	32.36%	0.775%
138	9.345	9.311	9.391	VV	374576	11861120	38.63%	0.926%
139	9.425	9.391	9.452	VV	336491	8772843	28.57%	0.685%
140	9.508	9.452	9.550	VV	316762	12307267	40.08%	0.960%
141	9.585	9.550	9.619	VV	178752	6799009	22.14%	0.531%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

142	9.631	9.619	9.642	VV	159297	2162145	7.04%	0.169%
143	9.665	9.642	9.681	VV	206256	4397969	14	
144	9.707	9.681	9.735	VV	329003	8385975	27	
145	9.750	9.735	9.769	VV	258376	4621107	15	
146	9.779	9.769	9.794	VV	209641	3066927	9	
147	9.831	9.794	9.842	VV	245036	6679672	21	
148	9.854	9.842	9.896	VV	253136	7033271	22.91%	0.549%
149	9.922	9.896	9.939	VV	206232	4956658	16.14%	0.387%
150	9.980	9.939	10.005	VV	240617	8626715	28.10%	0.673%
151	10.028	10.005	10.059	VV	237565	6801839	22.15%	0.531%
152	10.143	10.059	10.171	VV	978055	26055831	84.86%	2.033%
153	10.221	10.171	10.264	VV	264747	13275833	43.24%	1.036%
154	10.286	10.264	10.314	VV	302279	7195080	23.43%	0.561%
155	10.329	10.314	10.358	VV	209788	5156428	16.79%	0.402%
156	10.420	10.358	10.449	VV	308598	13438873	43.77%	1.049%
157	10.468	10.449	10.478	VV	294240	4638267	15.11%	0.362%
158	10.488	10.478	10.529	VV	295699	8421697	27.43%	0.657%
159	10.572	10.529	10.598	VV	1662196	30703734	100.00%	2.396%
160	10.607	10.598	10.644	VV	316958	7425126	24.18%	0.579%
161	10.681	10.644	10.715	VV	253754	10224253	33.30%	0.798%
162	10.762	10.715	10.793	VV	275159	11822657	38.51%	0.923%
163	10.830	10.793	10.851	VV	292266	9080815	29.58%	0.709%
164	10.883	10.851	10.921	VV	455324	12995601	42.33%	1.014%
165	10.970	10.921	10.987	VV	268563	9629226	31.36%	0.751%
166	11.020	10.987	11.034	VV	257661	6984353	22.75%	0.545%
167	11.046	11.034	11.071	VV	254548	5569241	18.14%	0.435%
168	11.114	11.071	11.123	VV	264987	7893411	25.71%	0.616%
169	11.138	11.123	11.157	VV	271282	5339721	17.39%	0.417%
170	11.188	11.157	11.235	VV	323386	13223684	43.07%	1.032%
171	11.291	11.235	11.321	VV	1103007	25264750	82.29%	1.971%
172	11.347	11.321	11.375	VV	273274	8091351	26.35%	0.631%
173	11.392	11.375	11.412	VV	250966	5287905	17.22%	0.413%
174	11.464	11.412	11.484	VV	313027	11585484	37.73%	0.904%
175	11.498	11.484	11.529	VV	282678	6829226	22.24%	0.533%
176	11.561	11.529	11.578	VV	274567	7186679	23.41%	0.561%
177	11.592	11.578	11.615	VV	277715	5664616	18.45%	0.442%
178	11.635	11.615	11.667	VV	245539	7267059	23.67%	0.567%
179	11.698	11.667	11.725	VV	257932	8645458	28.16%	0.675%
180	11.747	11.725	11.781	VV	279624	8552908	27.86%	0.667%
181	11.802	11.781	11.813	VV	259252	4689419	15.27%	0.366%
182	11.842	11.813	11.869	VV	481237	11736878	38.23%	0.916%
183	11.876	11.869	11.913	VV	265589	6453455	21.02%	0.504%
184	11.933	11.913	11.950	VV	246920	5197484	16.93%	0.406%
185	11.971	11.950	12.032	VV	273182	12139397	39.54%	0.947%
186	12.059	12.032	12.106	VV	244393	9889832	32.21%	0.772%
187	12.150	12.106	12.189	VV	227969	10790406	35.14%	0.842%
188	12.217	12.189	12.236	VV	217937	5822161	18.96%	0.454%
189	12.249	12.236	12.323	VV	207005	10295791	33.53%	0.803%
190	12.364	12.323	12.394	VV	216291	8659280	28.20%	0.676%
191	12.421	12.394	12.478	VV	264575	10668731	34.75%	0.832%
192	12.500	12.478	12.544	VV	242189	8216403	26.76%	0.641%
193	12.559	12.544	12.581	VV	184838	3995344	13.01%	0.312%
194	12.602	12.581	12.621	VV	195527	4493788	14.64%	0.351%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

195	12.641	12.621	12.678	VV	210246	6158251	20.06%	0.481%
196	12.687	12.678	12.714	VV	162596	3502108	11	
197	12.721	12.714	12.738	VV	158492	2194952	7	
198	12.778	12.738	12.808	VV	168045	6614465	21	
199	12.823	12.808	12.850	VV	163789	3954678	12	
200	12.865	12.850	12.895	VV	152206	3956968	12	
201	12.939	12.895	12.968	VV	264013	7838818	25.53%	0.612%
202	12.992	12.968	13.024	VV	232082	6367141	20.74%	0.497%
203	13.039	13.024	13.093	VV	155128	5862120	19.09%	0.457%
204	13.110	13.093	13.128	VV	135599	2711998	8.83%	0.212%
205	13.150	13.128	13.191	VV	136522	4980200	16.22%	0.389%
206	13.207	13.191	13.238	VV	131254	3553715	11.57%	0.277%
207	13.270	13.238	13.291	VV	131364	3929094	12.80%	0.307%
208	13.332	13.291	13.360	VV	158580	5399147	17.58%	0.421%
209	13.377	13.360	13.401	VV	125575	2995276	9.76%	0.234%
210	13.421	13.401	13.451	VV	124564	3498792	11.40%	0.273%
211	13.470	13.451	13.487	VV	112465	2328897	7.59%	0.182%
212	13.546	13.487	13.581	VV	124972	6356955	20.70%	0.496%
213	13.604	13.581	13.664	VV	130158	5516218	17.97%	0.430%
214	13.685	13.664	13.724	VV	112685	3554874	11.58%	0.277%
215	13.750	13.724	13.764	VV	99912	2328601	7.58%	0.182%
216	13.775	13.764	13.797	VV	100849	1882358	6.13%	0.147%
217	13.839	13.797	13.877	VV	102689	4579768	14.92%	0.357%
218	13.924	13.877	13.956	VV	129320	4889716	15.93%	0.382%
219	13.989	13.956	14.043	VV	98630	4786356	15.59%	0.373%
220	14.077	14.043	14.121	VV	100419	4268660	13.90%	0.333%
221	14.139	14.121	14.148	VV	88694	1379627	4.49%	0.108%
222	14.158	14.148	14.173	VV	86868	1272095	4.14%	0.099%
223	14.192	14.173	14.230	VV	94631	2926058	9.53%	0.228%
224	14.250	14.230	14.275	VV	81694	2085103	6.79%	0.163%
225	14.283	14.275	14.291	VV	76890	738796	2.41%	0.058%
226	14.323	14.291	14.354	VV	86313	3133551	10.21%	0.245%
227	14.380	14.354	14.452	VV	98802	4958566	16.15%	0.387%
228	14.498	14.452	14.522	VV	91943	3468975	11.30%	0.271%
229	14.533	14.522	14.591	VV	82902	3148143	10.25%	0.246%
230	14.630	14.591	14.671	VV	80319	3621817	11.80%	0.283%
231	14.696	14.671	14.740	VV	81485	3123149	10.17%	0.244%
232	14.755	14.740	14.770	VV	70101	1256088	4.09%	0.098%
233	14.795	14.770	14.814	VV	78348	1927939	6.28%	0.150%
234	14.851	14.814	14.894	VV	82587	3687867	12.01%	0.288%
235	14.924	14.894	14.968	VV	82259	3335319	10.86%	0.260%
236	14.990	14.968	15.006	VV	74299	1641547	5.35%	0.128%
237	15.051	15.006	15.108	VV	80104	4594436	14.96%	0.359%
238	15.131	15.108	15.162	VV	76899	2392819	7.79%	0.187%
239	15.222	15.162	15.278	VV	78926	5080733	16.55%	0.396%
240	15.340	15.278	15.418	VV	92931	6608264	21.52%	0.516%
241	15.441	15.418	15.499	VV	77161	3504655	11.41%	0.273%
242	15.565	15.499	15.587	VV	78104	3883410	12.65%	0.303%
243	15.624	15.587	15.680	VV	97019	4582362	14.92%	0.358%
244	15.692	15.680	15.738	VV	76119	2532834	8.25%	0.198%
245	15.784	15.738	15.800	VV	77306	2787336	9.08%	0.217%
246	15.850	15.800	15.921	VV	87401	5659200	18.43%	0.442%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

247	15.935	15.921	15.958	VV	75269	1628636	5.30%	0.127%
248	16.001	15.958	16.035	VV	91480	3821675	12	
249	16.057	16.035	16.086	VV	84954	2507083	8	
250	16.132	16.086	16.157	VV	97103	3829629	12	
251	16.168	16.157	16.222	VV	89592	3206151	10	
252	16.247	16.222	16.281	VV	86239	2871692	9	
253	16.288	16.281	16.311	VV	81471	1437773	4.68%	0.112%
254	16.339	16.311	16.358	VV	80019	2214344	7.21%	0.173%
255	16.407	16.358	16.424	VV	83226	3130974	10.20%	0.244%
256	16.523	16.424	16.584	VV	97089	8385886	27.31%	0.654%
257	16.618	16.584	16.664	VV	91545	4119551	13.42%	0.321%
258	16.685	16.664	16.695	VV	80330	1449819	4.72%	0.113%
259	16.778	16.695	16.798	VV	106397	5486548	17.87%	0.428%
260	16.813	16.798	16.831	VV	91466	1709614	5.57%	0.133%
261	16.856	16.831	16.870	VV	87316	2041908	6.65%	0.159%
262	16.893	16.870	16.904	VV	90933	1765479	5.75%	0.138%
263	16.994	16.904	17.035	VV	124253	7551117	24.59%	0.589%
264	17.077	17.035	17.111	VV	92452	3994795	13.01%	0.312%
265	17.164	17.111	17.204	VV	105239	5079777	16.54%	0.396%
266	17.234	17.204	17.255	VV	89952	2612377	8.51%	0.204%
267	17.273	17.255	17.285	VV	85046	1476796	4.81%	0.115%
268	17.320	17.285	17.388	VV	105788	5673538	18.48%	0.443%
269	17.400	17.388	17.457	VV	86854	3409895	11.11%	0.266%
270	17.497	17.457	17.515	VV	84627	2786450	9.08%	0.217%
271	17.541	17.515	17.551	VV	89164	1835447	5.98%	0.143%
272	17.578	17.551	17.663	VV	95122	6018417	19.60%	0.470%
273	17.685	17.663	17.724	VV	89313	3006286	9.79%	0.235%
274	17.784	17.724	17.867	VV	146734	8237339	26.83%	0.643%
275	17.885	17.867	17.907	VV	80737	1849594	6.02%	0.144%
276	17.941	17.907	17.961	VV	82065	2516403	8.20%	0.196%
277	17.984	17.961	18.007	VV	91591	2357008	7.68%	0.184%
278	18.014	18.007	18.062	VV	87417	2534703	8.26%	0.198%
279	18.072	18.062	18.083	VV	70684	865110	2.82%	0.068%
280	18.150	18.083	18.251	VV	155294	8370732	27.26%	0.653%
281	18.268	18.251	18.288	VV	70272	1488172	4.85%	0.116%
282	18.306	18.288	18.328	VV	75228	1702681	5.55%	0.133%
283	18.353	18.328	18.402	VV	74951	3059635	9.97%	0.239%
284	18.444	18.402	18.457	VV	65916	2126403	6.93%	0.166%
285	18.480	18.457	18.524	VV	66974	2517611	8.20%	0.196%
286	18.533	18.524	18.538	VV	61739	507327	1.65%	0.040%
287	18.571	18.538	18.595	VV	88040	2409941	7.85%	0.188%
288	18.617	18.595	18.646	VV	80334	2101520	6.84%	0.164%
289	18.662	18.646	18.717	VV	66227	2621444	8.54%	0.205%
290	18.748	18.717	18.792	VV	65740	2748024	8.95%	0.214%
291	18.808	18.792	18.828	VV	57549	1200089	3.91%	0.094%
292	18.832	18.828	18.857	VV	58596	986618	3.21%	0.077%
293	18.900	18.857	18.943	VV	76249	3182265	10.36%	0.248%
294	18.969	18.943	19.008	VV	65928	2191943	7.14%	0.171%
295	19.064	19.008	19.125	VV	62271	3803464	12.39%	0.297%
296	19.146	19.125	19.218	VV	51686	2762974	9.00%	0.216%
297	19.280	19.218	19.341	VV	76521	4150960	13.52%	0.324%
298	19.370	19.341	19.428	VV	54515	2466149	8.03%	0.192%
299	19.465	19.428	19.514	VV	50063	2477711	8.07%	0.193%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

300	19.537	19.514	19.581	VV	51120	1934995	6.30%	0.151%
301	19.589	19.581	19.611	VV	47463	841951	2	
302	19.671	19.611	19.731	VV	63054	3678040	11	
303	19.780	19.731	19.824	VV	51106	2605532	8	
304	19.839	19.824	19.875	VV	45600	1353002	4	
305	19.892	19.875	19.918	VV	45080	1122420	3	
306	19.947	19.918	20.008	VV	47599	2451410	7.98%	0.191%
307	20.055	20.008	20.117	VV	50073	2962098	9.65%	0.231%
308	20.190	20.117	20.221	VV	49432	2752597	8.97%	0.215%
309	20.253	20.221	20.313	VV	47344	2376769	7.74%	0.185%
310	20.339	20.313	20.417	VV	41377	2379605	7.75%	0.186%
311	20.465	20.417	20.537	VV	43098	2769503	9.02%	0.216%
312	20.564	20.537	20.647	VV	39791	2277702	7.42%	0.178%
313	20.656	20.647	20.674	VV	31092	480398	1.56%	0.037%
314	20.685	20.674	20.781	VV	32032	1794342	5.84%	0.140%
315	20.796	20.781	20.845	VV	27844	978932	3.19%	0.076%
316	20.854	20.845	20.871	VV	23711	357752	1.17%	0.028%
317	20.878	20.871	20.885	VV	22426	180573	0.59%	0.014%
318	20.892	20.885	20.904	VV	22355	255551	0.83%	0.020%
319	20.914	20.904	20.944	VV	21937	502317	1.64%	0.039%
320	20.968	20.944	21.025	VV	21787	1010371	3.29%	0.079%
321	21.032	21.025	21.108	VV	20120	880731	2.87%	0.069%
322	21.116	21.108	21.122	VV	16801	142749	0.46%	0.011%
323	21.129	21.122	21.202	VV	16773	720367	2.35%	0.056%
324	21.231	21.202	21.243	VV	14978	318031	1.04%	0.025%
325	21.269	21.243	21.284	VV	14318	323563	1.05%	0.025%
326	21.290	21.284	21.318	VV	12349	226697	0.74%	0.018%
327	21.346	21.318	21.364	VV	11300	290997	0.95%	0.023%
328	21.375	21.364	21.506	VV	10797	701416	2.28%	0.055%
329	21.530	21.506	21.547	VV	7106	162752	0.53%	0.013%
330	21.571	21.547	21.669	VV	7307	416606	1.36%	0.033%
331	21.678	21.669	21.689	VV	3808	39959	0.13%	0.003%
332	21.706	21.689	21.726	VV	4393	74345	0.24%	0.006%
333	21.753	21.726	21.801	VBA	4161	181187	0.59%	0.014%

Sum of corrected areas: 1281571710

Aliphatic EPH 102324.M Sat Oct 26 00:59:24 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2DL		SDG No.:	P4518	
Lab Sample ID:	P4518-02DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
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
FC067550.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	44.1		2.39	6.30	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	233	E	1.51	4.20	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	336	E	1.89	6.30	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	100		5.04	8.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	125		11.3	12.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.45		40 - 140	34%	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:	P4518-02DL	Acq On:	29 Oct 2024 07:42
Client Sample ID:	EX-5-TPH-2DL	Operator:	YP/AJ
Data file:	FC067550.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	14224095	104.998	300	ug/ml
Aliphatic C12-C16	6.454	9.842	73228832	556.105	200	ug/ml
Aliphatic C16-C21	9.843	13.200	101975635	801.474	300	ug/ml
Aliphatic C21-C28	13.201	16.853	28852913	240.26	400	ug/ml
Aliphatic C28-C40	16.854	21.695	30163799	298.376	600	ug/ml
Aliphatic EPH	3.173	21.695	248445274	2000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	372058	3.45		ug/ml
Aliphatic C9-C28	3.173	16.853	218281475	1700	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067550.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 07:42
Operator : YP/AJ
Sample : P4518-02DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2DL

Integration File: sample.E
Quant Time: Oct 30 03:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.934	372058	3.445 ug/mlm
Spiked Amount 50.000		Recovery =	6.89%
Target Compounds			

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

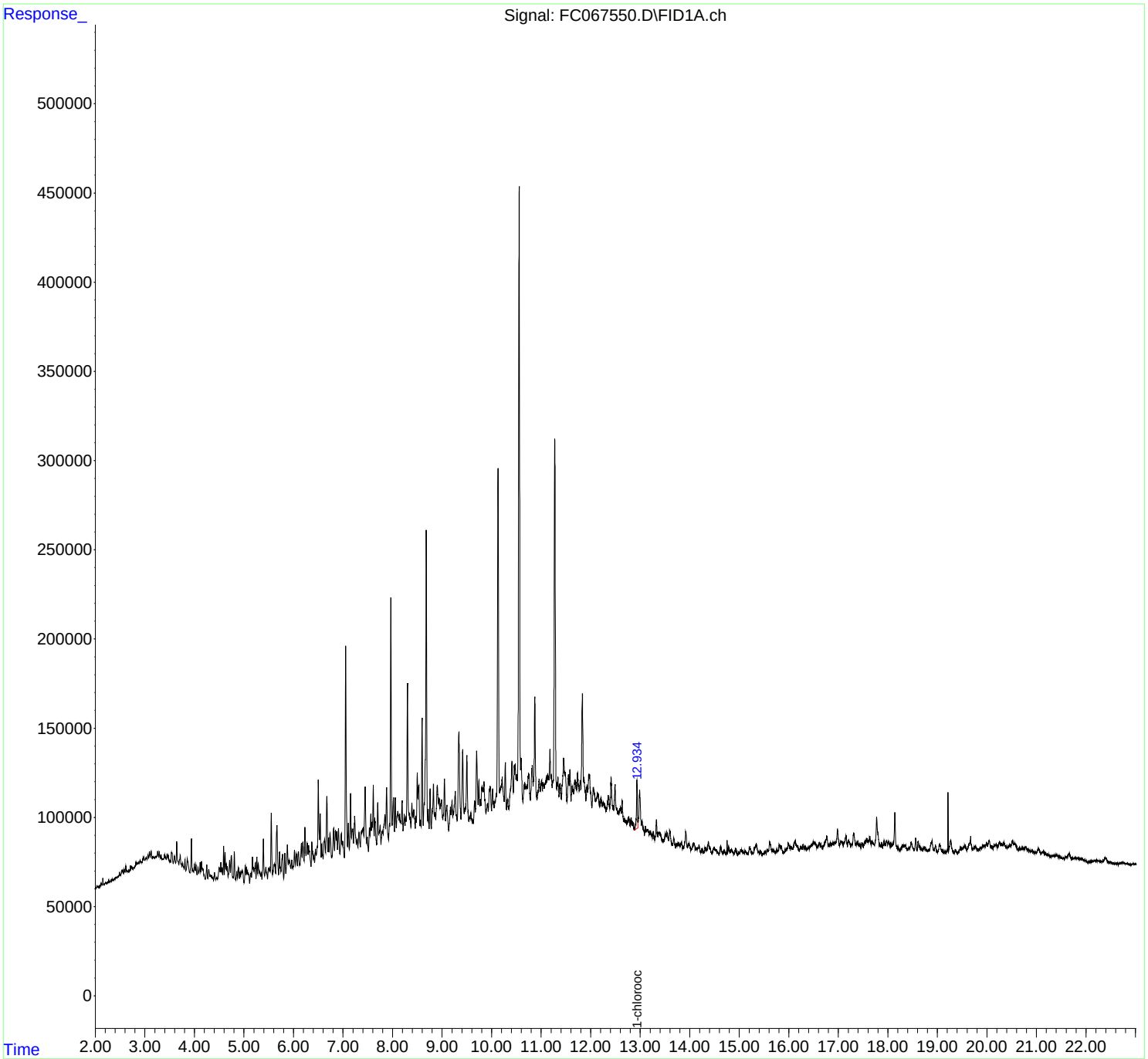
Quantitation Report (QT Reviewed)

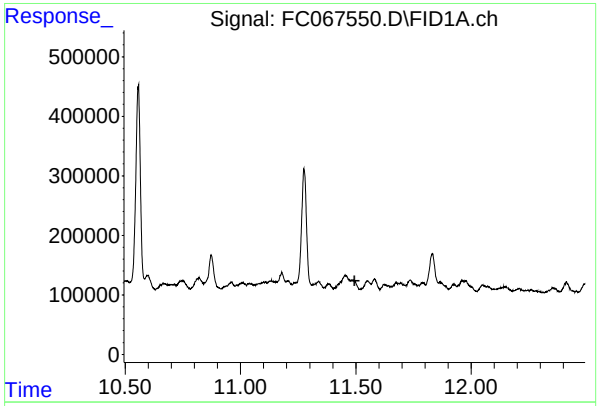
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067550.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 07:42
Operator : YP/AJ
Sample : P4518-02DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2DL

Integration File: sample.E
Quant Time: Oct 30 03:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

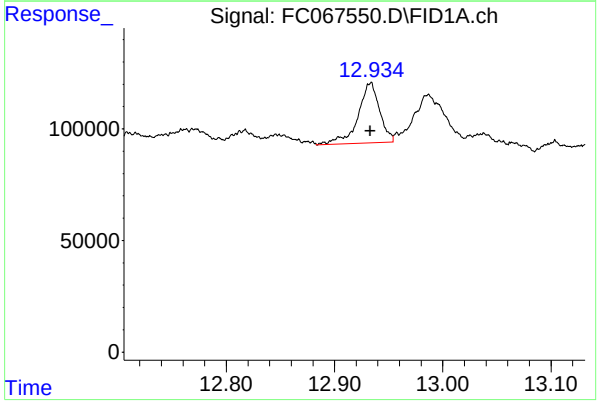




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.934 min
Delta R.T.: 0.000 min
Response: 372058
Conc: 3.45 ug/ml m

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067550.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 07:42
Sample : P4518-02DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.216	3.154	3.225	BV	1033	15732	0.24%	0.006%
2	3.258	3.225	3.275	VV	4480	70943	1.08%	0.029%
3	3.290	3.275	3.306	VV	4752	55033	0.84%	0.022%
4	3.317	3.306	3.352	VV	2300	47877	0.73%	0.019%
5	3.364	3.352	3.377	VV	1552	21667	0.33%	0.009%
6	3.395	3.377	3.409	VV	4324	55350	0.84%	0.022%
7	3.417	3.409	3.431	VV	3202	36503	0.55%	0.015%
8	3.448	3.431	3.460	VV	5450	65908	1.00%	0.026%
9	3.471	3.460	3.518	VV	4872	94744	1.44%	0.038%
10	3.537	3.518	3.571	VV	7213	144443	2.19%	0.058%
11	3.597	3.571	3.619	VV	5933	104109	1.58%	0.042%
12	3.643	3.619	3.685	VV	14171	219718	3.34%	0.088%
13	3.714	3.685	3.749	VV	7756	158876	2.41%	0.064%
14	3.763	3.749	3.794	VV	3757	61018	0.93%	0.025%
15	3.809	3.794	3.829	VV	6295	59378	0.90%	0.024%
16	3.856	3.829	3.904	VV	7321	150394	2.28%	0.060%
17	3.939	3.904	3.983	VV	19197	237456	3.61%	0.095%
18	3.999	3.983	4.017	VV	5823	74321	1.13%	0.030%
19	4.031	4.017	4.054	VV	5967	69891	1.06%	0.028%
20	4.073	4.054	4.089	VV	4995	62136	0.94%	0.025%
21	4.115	4.089	4.128	VV	8346	110047	1.67%	0.044%
22	4.142	4.128	4.221	VV	9164	217789	3.31%	0.088%
23	4.250	4.221	4.269	PV	8341	101779	1.55%	0.041%
24	4.290	4.269	4.313	VV	5961	89201	1.35%	0.036%
25	4.325	4.313	4.387	VV	2959	83153	1.26%	0.033%
26	4.405	4.387	4.429	PV	4526	54550	0.83%	0.022%
27	4.453	4.429	4.467	VV	1763	29343	0.45%	0.012%
28	4.501	4.467	4.518	VV	6959	147276	2.24%	0.059%
29	4.534	4.518	4.548	VV	10348	137135	2.08%	0.055%
30	4.559	4.548	4.574	VV	7526	92596	1.41%	0.037%
31	4.590	4.574	4.605	VV	19863	196212	2.98%	0.079%
32	4.619	4.605	4.680	VV	16206	381091	5.79%	0.153%
33	4.711	4.680	4.727	VV	11986	197841	3.00%	0.080%
34	4.746	4.727	4.786	VV	14756	267992	4.07%	0.108%
35	4.806	4.786	4.838	VV	17105	203044	3.08%	0.082%
36	4.857	4.838	4.870	VV	5958	72664	1.10%	0.029%

37	4.891	4.870	4.910	VV	8266	128469	1.95%	0.052%
38	4.921	4.910	4.932	VV	5866	58349	0.89%	0.023%
39	4.962	4.932	5.003	VV	6523	185954	2.82%	0.075%
40	5.026	5.003	5.040	PV	9626	115006	1.75%	0.046%
41	5.052	5.040	5.114	VV	8961	233027	3.54%	0.094%
42	5.141	5.114	5.153	PV	5352	83606	1.27%	0.034%
43	5.172	5.153	5.202	VV	14469	257274	3.91%	0.103%
44	5.229	5.202	5.245	VV	11204	202156	3.07%	0.081%
45	5.261	5.245	5.275	VV	14462	164509	2.50%	0.066%
46	5.290	5.275	5.312	VV	10791	176158	2.67%	0.071%
47	5.320	5.312	5.336	VV	6290	75788	1.15%	0.030%
48	5.350	5.336	5.363	VV	5471	67599	1.03%	0.027%
49	5.392	5.363	5.417	VV	24627	339410	5.15%	0.136%
50	5.442	5.417	5.476	VV	8628	200510	3.04%	0.081%
51	5.496	5.476	5.507	VV	8247	112179	1.70%	0.045%
52	5.518	5.507	5.530	VV	7715	101819	1.55%	0.041%
53	5.552	5.530	5.578	VV	38708	516213	7.84%	0.207%
54	5.620	5.578	5.638	VV	10479	291215	4.42%	0.117%
55	5.666	5.638	5.700	VV	32039	633100	9.61%	0.254%
56	5.719	5.700	5.748	VV	17085	283549	4.31%	0.114%
57	5.779	5.748	5.803	VV	15454	328821	4.99%	0.132%
58	5.826	5.803	5.846	VV	16244	231456	3.51%	0.093%
59	5.877	5.846	5.896	VV	20834	387127	5.88%	0.156%
60	5.905	5.896	5.914	VV	12177	124619	1.89%	0.050%
61	5.923	5.914	5.947	VV	11777	199128	3.02%	0.080%
62	5.966	5.947	5.984	VV	12258	217196	3.30%	0.087%
63	6.021	5.984	6.038	VV	17900	372915	5.66%	0.150%
64	6.058	6.038	6.081	VV	15619	326052	4.95%	0.131%
65	6.100	6.081	6.128	VV	17073	365751	5.55%	0.147%
66	6.160	6.128	6.173	VV	21468	410562	6.23%	0.165%
67	6.189	6.173	6.213	VV	22148	429707	6.53%	0.173%
68	6.232	6.213	6.254	VV	30549	505010	7.67%	0.203%
69	6.279	6.254	6.295	VV	21581	451157	6.85%	0.181%
70	6.307	6.295	6.354	VV	20196	540329	8.20%	0.217%
71	6.372	6.354	6.401	VV	19632	419733	6.37%	0.169%
72	6.412	6.401	6.427	VV	14354	199242	3.03%	0.080%
73	6.445	6.427	6.461	VV	17878	302190	4.59%	0.121%
74	6.502	6.461	6.526	VV	56633	1116536	16.95%	0.449%
75	6.540	6.526	6.560	VV	37775	552117	8.38%	0.222%
76	6.573	6.560	6.598	VV	21000	369312	5.61%	0.148%
77	6.628	6.598	6.648	VV	23513	577358	8.77%	0.232%
78	6.674	6.648	6.698	VV	47153	895359	13.60%	0.360%
79	6.710	6.698	6.722	VV	24505	293061	4.45%	0.118%
80	6.738	6.722	6.768	VV	26634	577230	8.77%	0.232%
81	6.810	6.768	6.829	VV	29772	729419	11.08%	0.293%
82	6.848	6.829	6.863	VV	28259	485094	7.37%	0.195%
83	6.874	6.863	6.890	VV	27549	381659	5.80%	0.153%
84	6.910	6.890	6.937	VV	29268	628472	9.54%	0.253%
85	6.965	6.937	6.981	VV	26353	556324	8.45%	0.224%
86	6.991	6.981	7.028	VV	21941	529086	8.03%	0.213%
87	7.054	7.028	7.091	VV	130934	2001816	30.40%	0.805%
88	7.108	7.091	7.128	VV	31903	532632	8.09%	0.214%
89	7.154	7.128	7.172	VV	48942	829588	12.60%	0.333%

90	7.195	7.172	7.212	VV	28798	628992	9.55%	0.253%
91	7.237	7.212	7.271	VV	35171	962484	14.62%	0.387%
92	7.284	7.271	7.300	VV	23081	374568	5.69%	0.151%
93	7.324	7.300	7.351	VV	26825	682887	10.37%	0.274%
94	7.407	7.351	7.420	VV	29867	1111476	16.88%	0.447%
95	7.448	7.420	7.476	VV	52095	1178378	17.89%	0.474%
96	7.489	7.476	7.513	VV	24228	468455	7.11%	0.188%
97	7.535	7.513	7.546	VV	28979	459190	6.97%	0.185%
98	7.562	7.546	7.575	VV	36997	557366	8.46%	0.224%
99	7.612	7.575	7.629	VV	52519	1141322	17.33%	0.459%
100	7.642	7.629	7.678	VV	34617	812315	12.34%	0.326%
101	7.702	7.678	7.721	VV	43054	800122	12.15%	0.322%
102	7.750	7.721	7.768	VV	30463	744876	11.31%	0.299%
103	7.801	7.768	7.810	VV	27104	645062	9.80%	0.259%
104	7.847	7.810	7.861	VV	36439	954363	14.49%	0.384%
105	7.881	7.861	7.919	VV	51075	1201735	18.25%	0.483%
106	7.967	7.919	7.994	VV	157607	2623455	39.84%	1.054%
107	8.017	7.994	8.038	VV	45391	977191	14.84%	0.393%
108	8.055	8.038	8.076	VV	45445	819367	12.44%	0.329%
109	8.109	8.076	8.134	VV	37888	1219819	18.52%	0.490%
110	8.144	8.134	8.174	VV	36438	791931	12.03%	0.318%
111	8.193	8.174	8.215	VV	43814	876405	13.31%	0.352%
112	8.238	8.215	8.253	VV	36195	737819	11.20%	0.297%
113	8.265	8.253	8.275	VV	34644	435496	6.61%	0.175%
114	8.302	8.275	8.371	VV	109046	2805785	42.61%	1.128%
115	8.392	8.371	8.409	VV	42565	817242	12.41%	0.328%
116	8.432	8.409	8.459	VV	38641	1078701	16.38%	0.434%
117	8.501	8.459	8.514	VV	59250	1337386	20.31%	0.538%
118	8.530	8.514	8.554	VV	52064	1087322	16.51%	0.437%
119	8.565	8.554	8.576	VV	32865	408571	6.20%	0.164%
120	8.598	8.576	8.620	VV	89727	1438460	21.84%	0.578%
121	8.682	8.620	8.708	VV	195131	3931388	59.70%	1.580%
122	8.721	8.708	8.740	VV	38696	659927	10.02%	0.265%
123	8.759	8.740	8.782	VV	49852	964206	14.64%	0.388%
124	8.827	8.782	8.872	VV	52585	2067653	31.40%	0.831%
125	8.905	8.872	8.926	VV	51987	1426225	21.66%	0.573%
126	8.942	8.926	8.961	VV	43989	905761	13.75%	0.364%
127	8.990	8.961	9.015	VV	44107	1286109	19.53%	0.517%
128	9.050	9.015	9.073	VV	55718	1427160	21.67%	0.574%
129	9.094	9.073	9.133	VV	40404	1268361	19.26%	0.510%
130	9.170	9.133	9.182	VV	39735	967581	14.69%	0.389%
131	9.200	9.182	9.233	VV	42690	1176061	17.86%	0.473%
132	9.267	9.233	9.305	VV	48508	1693559	25.72%	0.681%
133	9.339	9.305	9.384	VV	80957	2472705	37.55%	0.994%
134	9.417	9.384	9.446	VV	71103	1845817	28.03%	0.742%
135	9.459	9.446	9.465	VV	38692	417954	6.35%	0.168%
136	9.501	9.465	9.544	VV	68013	2113061	32.09%	0.849%
137	9.582	9.544	9.632	VV	36321	1761162	26.74%	0.708%
138	9.658	9.632	9.673	VV	42562	901619	13.69%	0.362%
139	9.700	9.673	9.728	VV	70061	1771515	26.90%	0.712%
140	9.744	9.728	9.763	VV	54488	984638	14.95%	0.396%
141	9.802	9.763	9.814	VV	50263	1371408	20.82%	0.551%

142	9.824	9.814	9.834	VV	50018	581358	8.83%	0.234%
143	9.847	9.834	9.885	VV	53526	1384690	21.03%	0.557%
144	9.913	9.885	9.934	VV	40886	1150095	17.46%	0.462%
145	9.972	9.934	10.001	VV	50696	1782941	27.07%	0.717%
146	10.021	10.001	10.053	VV	49016	1331746	20.22%	0.535%
147	10.132	10.053	10.162	VV	227890	5498836	83.50%	2.210%
148	10.214	10.162	10.254	VV	55807	2730657	41.47%	1.098%
149	10.277	10.254	10.301	VV	63690	1400536	21.27%	0.563%
150	10.321	10.301	10.348	VV	42793	1134192	17.22%	0.456%
151	10.411	10.348	10.440	VV	64271	2816601	42.77%	1.132%
152	10.459	10.440	10.468	VV	62006	930923	14.14%	0.374%
153	10.479	10.468	10.519	VV	62749	1780325	27.03%	0.716%
154	10.556	10.519	10.584	VV	388159	6585441	100.00%	2.647%
155	10.597	10.584	10.631	VV	65865	1556744	23.64%	0.626%
156	10.667	10.631	10.688	VV	51843	1646365	25.00%	0.662%
157	10.748	10.688	10.784	VV	55801	2940333	44.65%	1.182%
158	10.819	10.784	10.841	VV	61631	1828493	27.77%	0.735%
159	10.873	10.841	10.915	VV	99450	2845085	43.20%	1.144%
160	10.960	10.915	10.976	VV	54279	1776166	26.97%	0.714%
161	11.010	10.976	11.026	VV	53501	1502809	22.82%	0.604%
162	11.037	11.026	11.058	VV	51509	974945	14.80%	0.392%
163	11.179	11.058	11.224	VV	69803	5491995	83.40%	2.207%
164	11.276	11.224	11.311	VV	245414	5426411	82.40%	2.181%
165	11.338	11.311	11.361	VV	55003	1524729	23.15%	0.613%
166	11.382	11.361	11.411	VV	50490	1402704	21.30%	0.564%
167	11.455	11.411	11.476	VV	64494	2189820	33.25%	0.880%
168	11.484	11.476	11.521	VV	57183	1385845	21.04%	0.557%
169	11.551	11.521	11.565	VV	56595	1328192	20.17%	0.534%
170	11.581	11.565	11.605	VV	58797	1218500	18.50%	0.490%
171	11.623	11.605	11.655	VV	49451	1404301	21.32%	0.564%
172	11.675	11.655	11.716	VV	52787	1849366	28.08%	0.743%
173	11.736	11.716	11.768	VV	57238	1599124	24.28%	0.643%
174	11.790	11.768	11.803	VV	52681	1057707	16.06%	0.425%
175	11.831	11.803	11.903	VV	101280	3745389	56.87%	1.505%
176	11.925	11.903	11.938	VV	49969	982838	14.92%	0.395%
177	11.962	11.938	12.024	VV	55459	2509164	38.10%	1.009%
178	12.049	12.024	12.101	VV	48790	2041223	31.00%	0.820%
179	12.145	12.101	12.178	VV	44841	1954621	29.68%	0.786%
180	12.208	12.178	12.239	VV	42644	1476628	22.42%	0.594%
181	12.260	12.239	12.318	VV	40073	1796801	27.28%	0.722%
182	12.353	12.318	12.384	VV	42725	1586502	24.09%	0.638%
183	12.413	12.384	12.464	VV	53580	2030059	30.83%	0.816%
184	12.491	12.464	12.568	VV	49869	2410711	36.61%	0.969%
185	12.600	12.568	12.621	VV	37464	1119946	17.01%	0.450%
186	12.636	12.621	12.696	VV	40797	1487620	22.59%	0.598%
187	12.709	12.696	12.734	VV	29867	668755	10.16%	0.269%
188	12.770	12.734	12.797	VV	31363	1102239	16.74%	0.443%
189	12.817	12.797	12.834	VV	31178	647759	9.84%	0.260%
190	12.847	12.834	12.885	VV	28814	825058	12.53%	0.332%
191	12.933	12.885	12.954	VV	52232	1408265	21.38%	0.566%
192	12.987	12.954	13.021	VV	46649	1440568	21.88%	0.579%
193	13.037	13.021	13.085	VV	29339	999448	15.18%	0.402%
194	13.103	13.085	13.120	VV	26022	501033	7.61%	0.201%

195	13.157	13.120	13.181	VV	24466	862679	13.10%	0.347%
196	13.200	13.181	13.249	VV	23135	901712	13.69%	0.362%
197	13.263	13.249	13.291	VV	22982	517944	7.86%	0.208%
198	13.326	13.291	13.354	VV	28656	891467	13.54%	0.358%
199	13.380	13.354	13.393	VV	22529	502691	7.63%	0.202%
200	13.397	13.393	13.443	VV	22598	620245	9.42%	0.249%
201	13.463	13.443	13.474	VV	18604	341638	5.19%	0.137%
202	13.507	13.474	13.523	VV	21746	586903	8.91%	0.236%
203	13.539	13.523	13.571	VV	22537	586972	8.91%	0.236%
204	13.597	13.571	13.654	VV	23355	939201	14.26%	0.377%
205	13.679	13.654	13.712	VV	19204	581378	8.83%	0.234%
206	13.768	13.712	13.788	VV	16369	701707	10.66%	0.282%
207	13.826	13.788	13.866	VV	16527	710466	10.79%	0.286%
208	13.919	13.866	13.958	VV	22729	928295	14.10%	0.373%
209	13.978	13.958	14.034	VV	15971	660626	10.03%	0.266%
210	14.076	14.034	14.148	VV	16152	959858	14.58%	0.386%
211	14.161	14.148	14.169	VV	13403	171525	2.60%	0.069%
212	14.185	14.169	14.219	VV	15121	390858	5.94%	0.157%
213	14.244	14.219	14.284	VV	13096	449655	6.83%	0.181%
214	14.312	14.284	14.344	VV	13579	449477	6.83%	0.181%
215	14.376	14.344	14.439	VV	16509	761740	11.57%	0.306%
216	14.494	14.439	14.589	VV	13799	1033804	15.70%	0.416%
217	14.625	14.589	14.659	VV	14162	483495	7.34%	0.194%
218	14.692	14.659	14.728	VV	11862	442466	6.72%	0.178%
219	14.783	14.728	14.820	VV	13441	626282	9.51%	0.252%
220	14.844	14.820	14.893	VV	11884	477388	7.25%	0.192%
221	14.926	14.893	14.968	VV	12591	478966	7.27%	0.193%
222	14.989	14.968	15.008	VV	10320	234170	3.56%	0.094%
223	15.039	15.008	15.104	VV	11743	621836	9.44%	0.250%
224	15.117	15.104	15.180	VV	11024	462262	7.02%	0.186%
225	15.214	15.180	15.277	VV	13453	636674	9.67%	0.256%
226	15.344	15.277	15.381	VV	14767	761525	11.56%	0.306%
227	15.390	15.381	15.411	VV	10673	182796	2.78%	0.073%
228	15.431	15.411	15.465	VV	11056	322221	4.89%	0.130%
229	15.525	15.465	15.541	VV	10792	440401	6.69%	0.177%
230	15.613	15.541	15.681	VV	15544	999694	15.18%	0.402%
231	15.692	15.681	15.739	VV	11131	364302	5.53%	0.146%
232	15.764	15.739	15.780	VV	11490	262463	3.99%	0.105%
233	15.809	15.780	15.834	VV	13750	409369	6.22%	0.165%
234	15.844	15.834	15.899	VV	13455	436172	6.62%	0.175%
235	15.949	15.899	15.962	VV	12072	405104	6.15%	0.163%
236	15.993	15.962	16.021	VV	14671	460773	7.00%	0.185%
237	16.038	16.021	16.071	VV	12845	362950	5.51%	0.146%
238	16.125	16.071	16.156	VV	15732	698592	10.61%	0.281%
239	16.163	16.156	16.208	VV	13744	383086	5.82%	0.154%
240	16.239	16.208	16.268	VV	12791	426675	6.48%	0.171%
241	16.288	16.268	16.313	VV	13941	342828	5.21%	0.138%
242	16.333	16.313	16.352	VV	13011	285403	4.33%	0.115%
243	16.449	16.352	16.477	VV	13629	915057	13.90%	0.368%
244	16.501	16.477	16.578	VV	15393	843064	12.80%	0.339%
245	16.618	16.578	16.641	VV	14868	514876	7.82%	0.207%
246	16.648	16.641	16.674	VV	13554	253003	3.84%	0.102%

247	16.765	16.674	16.818	VV	18138	1226711	18.63%	0.493%
248	16.845	16.818	16.856	VV	14412	305859	4.64%	0.123%
249	16.885	16.856	16.900	VV	14221	363396	5.52%	0.146%
250	16.928	16.900	16.947	VV	14946	403340	6.12%	0.162%
251	16.983	16.947	17.024	VV	22087	776040	11.78%	0.312%
252	17.049	17.024	17.101	VV	15127	662625	10.06%	0.266%
253	17.156	17.101	17.184	VV	18248	760087	11.54%	0.306%
254	17.205	17.184	17.252	VV	15654	571205	8.67%	0.230%
255	17.310	17.252	17.356	VV	19527	949431	14.42%	0.382%
256	17.392	17.356	17.421	VV	14396	525401	7.98%	0.211%
257	17.435	17.421	17.452	VV	12946	227764	3.46%	0.092%
258	17.482	17.452	17.508	VV	13921	422145	6.41%	0.170%
259	17.577	17.508	17.591	VV	16050	725660	11.02%	0.292%
260	17.609	17.591	17.616	VV	15065	224122	3.40%	0.090%
261	17.635	17.616	17.662	VV	17439	416780	6.33%	0.168%
262	17.678	17.662	17.731	VV	14966	570295	8.66%	0.229%
263	17.773	17.731	17.861	VV	27728	1316977	20.00%	0.529%
264	17.874	17.861	17.894	VV	13405	236985	3.60%	0.095%
265	17.916	17.894	17.954	VV	14561	473300	7.19%	0.190%
266	17.975	17.954	17.993	VV	15341	325082	4.94%	0.131%
267	18.011	17.993	18.046	VV	14666	421491	6.40%	0.169%
268	18.060	18.046	18.081	VV	13716	264200	4.01%	0.106%
269	18.140	18.081	18.193	VV	30586	1048987	15.93%	0.422%
270	18.205	18.193	18.244	VV	11253	314796	4.78%	0.127%
271	18.298	18.244	18.314	VV	12322	454489	6.90%	0.183%
272	18.325	18.314	18.342	VV	12274	196741	2.99%	0.079%
273	18.357	18.342	18.401	VV	12382	383919	5.83%	0.154%
274	18.425	18.401	18.441	VV	10747	241146	3.66%	0.097%
275	18.472	18.441	18.534	VV	13601	628479	9.54%	0.253%
276	18.561	18.534	18.584	VV	15577	361962	5.50%	0.145%
277	18.610	18.584	18.629	VV	13690	313619	4.76%	0.126%
278	18.638	18.629	18.655	VV	11277	164563	2.50%	0.066%
279	18.664	18.655	18.698	VV	10450	256579	3.90%	0.103%
280	18.744	18.698	18.789	VV	10954	521463	7.92%	0.210%
281	18.797	18.789	18.805	VV	8888	83423	1.27%	0.034%
282	18.816	18.805	18.838	VV	9218	175711	2.67%	0.071%
283	18.892	18.838	18.936	VV	14071	655977	9.96%	0.264%
284	18.961	18.936	18.997	VV	11914	353088	5.36%	0.142%
285	19.043	18.997	19.099	VV	12195	585221	8.89%	0.235%
286	19.110	19.099	19.140	VV	8126	191645	2.91%	0.077%
287	19.151	19.140	19.170	VV	7956	142098	2.16%	0.057%
288	19.214	19.170	19.224	VV	18532	281230	4.27%	0.113%
289	19.269	19.224	19.330	VV	14470	659025	10.01%	0.265%
290	19.366	19.330	19.408	VV	8810	353830	5.37%	0.142%
291	19.417	19.408	19.427	VV	7408	82278	1.25%	0.033%
292	19.464	19.427	19.494	VV	10455	360961	5.48%	0.145%
293	19.554	19.494	19.596	VV	11244	607552	9.23%	0.244%
294	19.670	19.596	19.718	VV	14492	781393	11.87%	0.314%
295	19.770	19.718	19.801	VV	10316	475812	7.23%	0.191%
296	19.924	19.801	19.938	VV	10904	769111	11.68%	0.309%
297	19.950	19.938	19.967	VV	11042	188893	2.87%	0.076%
298	19.989	19.967	20.010	VV	12321	293377	4.45%	0.118%
299	20.046	20.010	20.114	VV	13648	692288	10.51%	0.278%

rteres

300	20.182	20.114	20.213	VV	11426	621801	9.44%	0.250%
301	20.256	20.213	20.288	VV	12736	504378	7.66%	0.203%
302	20.344	20.288	20.414	VV	12463	811968	12.33%	0.326%
303	20.472	20.414	20.486	VV	10633	438494	6.66%	0.176%
304	20.509	20.486	20.637	VV	12847	964427	14.64%	0.388%
305	20.672	20.637	20.684	VV	8698	234642	3.56%	0.094%
306	20.711	20.684	20.761	VV	8934	392037	5.95%	0.158%
307	20.782	20.761	20.891	VV	9296	619626	9.41%	0.249%
308	20.904	20.891	20.998	VV	7197	417545	6.34%	0.168%
309	21.040	20.998	21.100	VV	8405	421301	6.40%	0.169%
310	21.136	21.100	21.278	VV	6535	556430	8.45%	0.224%
311	21.327	21.278	21.338	VV	4349	141744	2.15%	0.057%
312	21.400	21.338	21.557	VV	4588	463025	7.03%	0.186%
313	21.611	21.557	21.620	VV	3629	109124	1.66%	0.044%
314	21.660	21.620	21.718	VV	5041	211275	3.21%	0.085%
315	21.765	21.718	21.798	VV	2704	114856	1.74%	0.046%
316	21.823	21.798	21.834	VV	2514	52884	0.80%	0.021%
317	21.842	21.834	21.901	VV	2590	86839	1.32%	0.035%
318	21.910	21.901	22.054	VV	2229	93468	1.42%	0.038%
319	22.082	22.054	22.092	PV	423	4522	0.07%	0.002%

Sum of corrected areas: 248797840

Aliphatic EPH 102324.M Wed Oct 30 04:05:35 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2DL		SDG No.:	P4518	
Lab Sample ID:	P4518-02DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
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
FD048610.D	2	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.5		0.76	1.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	106	E	0.86	2.52	mg/kg
Aromatic C16-C21	Aromatic C16-C21	346	E	2.42	4.20	mg/kg
Aromatic C21-C36	Aromatic C21-C36	77.6		5.04	6.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	30.5		40 - 140	122%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	29.1		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	11.3		40 - 140	45%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-02DL	Acq On:	28 Oct 2024 18:16
Client Sample ID:	EX-5-TPH-2DL	Operator:	YP/AJ
Data file:	FD048610.D	Misc:	
Instrument:	FID_D	ALS Vial:	73
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	18361443	104.206	200	ug/ml
Aromatic C12-C16	5.813	8.417	112183874	632.829	300	ug/ml
Aromatic C16-C21	8.418	12.677	338141517	2060	500	ug/ml
Aromatic C21-C36	12.678	18.081	70531991	461.859	800	ug/ml
Aromatic EPH	4.094	18.081	539218825	3260		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	1925911	11.31		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	4628962	30.5		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	2858937	29.12		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048610.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 18:16
Operator : YP/AJ
Sample : P4518-02DL 2X
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.370	4628962	30.498 ug/mlm
Spiked Amount 50.000		Recovery =	61.00%
6) S 2-Flurobiphenyl (SURR)	8.222	2858937	29.116 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	58.23%
11) S ortho-Terphenyl (SURR)	11.258	1925911	11.306 ug/mlm
Spiked Amount 50.000		Recovery =	22.61%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048610.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 18:16
Operator : YP/AJ
Sample : P4518-02DL 2X
Misc :
ALS Vial : 73 Sample Multiplier: 1

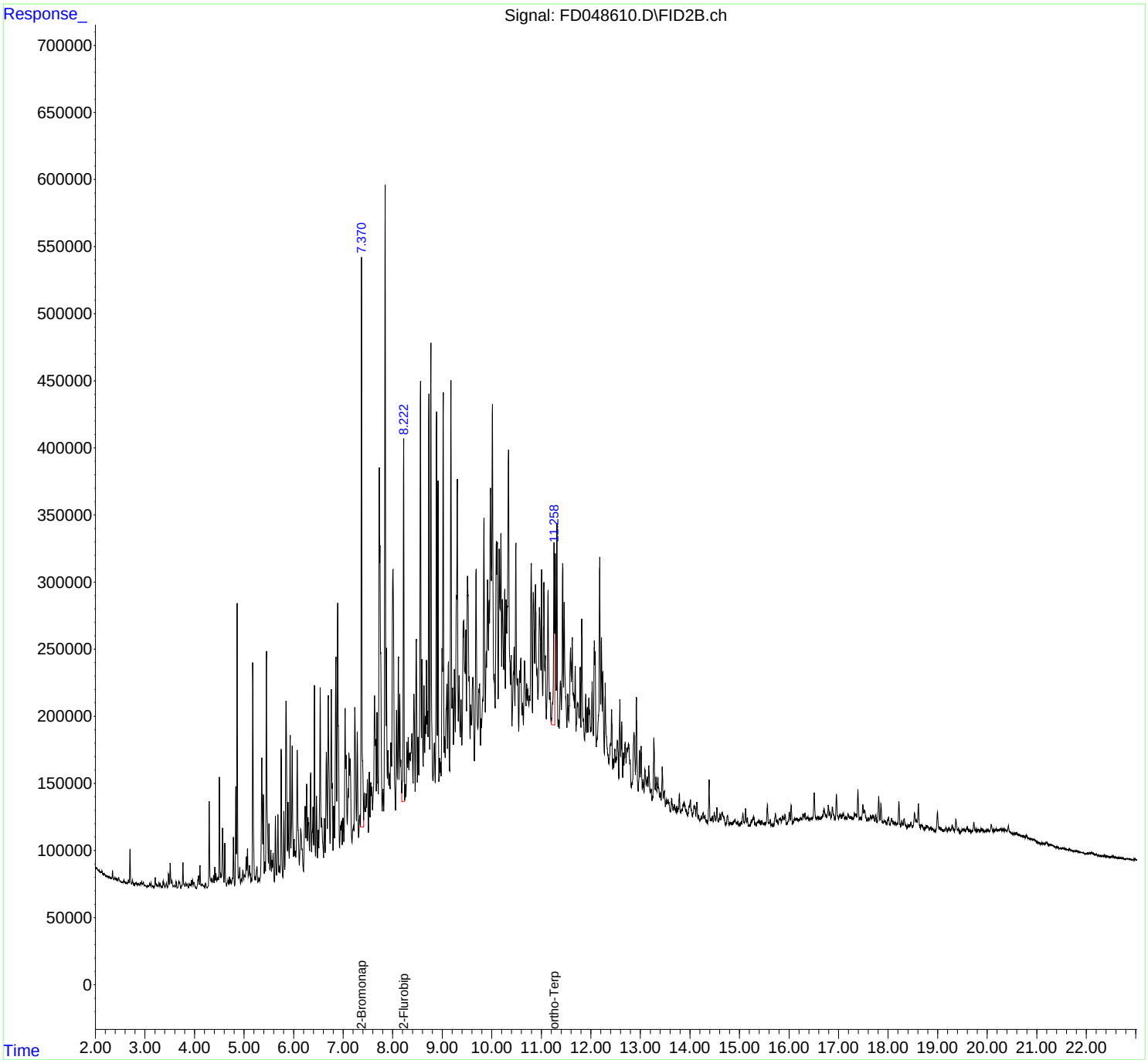
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

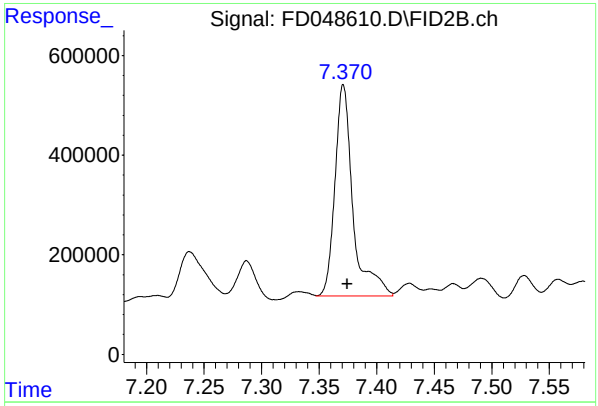
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





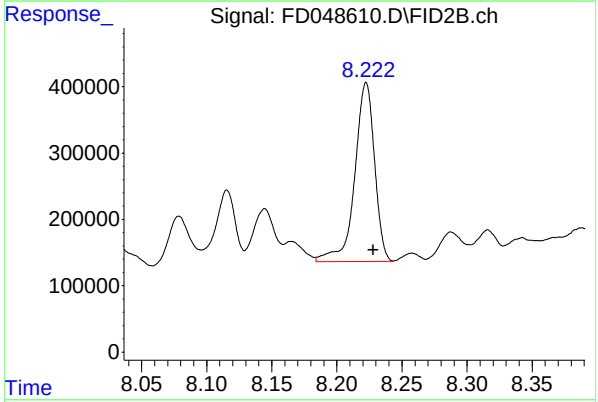
#4 2-Bromonaphthalene (SURR)

R.T.: 7.370 min
Delta R.T.: -0.004 mi
Response: 4628962
Conc: 30.50 ug/m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

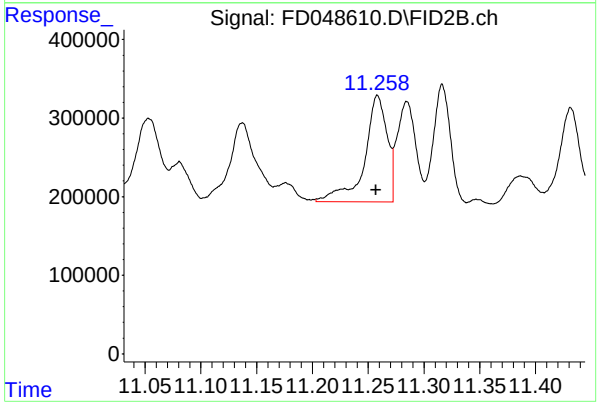
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 2858937
Conc: 29.12 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 1925911
Conc: 11.31 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048610.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 18:16
Sample : P4518-02DL 2X
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.145	4.132	4.152	PV	1022	8795	0.10%	0.002%
2	4.159	4.152	4.182	VV	1271	18296	0.20%	0.003%
3	4.190	4.182	4.205	VV	1255	10461	0.11%	0.002%
4	4.223	4.205	4.246	PV	3535	39734	0.43%	0.007%
5	4.297	4.246	4.334	VV	64280	648843	7.06%	0.119%
6	4.346	4.334	4.368	VV	6706	102250	1.11%	0.019%
7	4.385	4.368	4.397	VV	8879	102637	1.12%	0.019%
8	4.410	4.397	4.422	VV	14983	136930	1.49%	0.025%
9	4.432	4.422	4.450	VV	10301	117919	1.28%	0.022%
10	4.463	4.450	4.472	VV	6843	78763	0.86%	0.014%
11	4.479	4.472	4.486	VV	6643	51290	0.56%	0.009%
12	4.502	4.486	4.522	VV	81708	755865	8.23%	0.138%
13	4.531	4.522	4.541	VV	9286	92929	1.01%	0.017%
14	4.566	4.541	4.595	VV	43661	624730	6.80%	0.114%
15	4.612	4.595	4.646	VV	32329	340264	3.70%	0.062%
16	4.676	4.646	4.690	VV	4321	68086	0.74%	0.012%
17	4.706	4.690	4.721	VV	6912	73308	0.80%	0.013%
18	4.732	4.721	4.747	VV	4467	47229	0.51%	0.009%
19	4.765	4.747	4.770	VV	6012	56528	0.62%	0.010%
20	4.786	4.770	4.811	VV	35973	347468	3.78%	0.064%
21	4.834	4.811	4.845	PV	73838	643300	7.00%	0.118%
22	4.860	4.845	4.886	VV	210188	1993075	21.69%	0.365%
23	4.894	4.886	4.899	VV	6316	47170	0.51%	0.009%
24	4.912	4.899	4.929	VV	13302	139442	1.52%	0.026%
25	4.948	4.929	4.959	VV	4545	58365	0.64%	0.011%
26	4.976	4.959	4.993	VV	10737	150257	1.64%	0.028%
27	5.005	4.993	5.025	VV	7281	120635	1.31%	0.022%
28	5.044	5.025	5.056	VV	20798	248946	2.71%	0.046%
29	5.070	5.056	5.086	VV	26500	278878	3.04%	0.051%
30	5.109	5.086	5.122	VV	14215	203643	2.22%	0.037%
31	5.127	5.122	5.141	VV	7359	58036	0.63%	0.011%
32	5.152	5.141	5.157	VV	3638	26251	0.29%	0.005%
33	5.176	5.157	5.213	VV	164755	1808042	19.68%	0.331%
34	5.223	5.213	5.235	VV	4981	51348	0.56%	0.009%
35	5.261	5.235	5.282	VV	12818	206266	2.24%	0.038%
36	5.302	5.282	5.313	VV	4107	52807	0.57%	0.010%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.358	5.313	5.379	VV	93590	1362170	14.83%	0.250%
38	5.391	5.379	5.408	VV	65698	636349	6	
39	5.420	5.408	5.433	VV	15783	179443	1	
40	5.451	5.433	5.492	VV	172543	2297826	25	
41	5.504	5.492	5.521	VV	44159	449978	4	
42	5.542	5.521	5.555	VV	24110	310142	3	
43	5.566	5.555	5.575	VV	16598	155744	1.70%	0.029%
44	5.587	5.575	5.612	VV	21824	246694	2.68%	0.045%
45	5.634	5.612	5.656	VV	49362	501227	5.46%	0.092%
46	5.685	5.656	5.702	VV	50106	620837	6.76%	0.114%
47	5.712	5.702	5.726	VV	11394	130660	1.42%	0.024%
48	5.751	5.726	5.783	VV	98574	1128790	12.29%	0.207%
49	5.804	5.783	5.822	VV	52062	532797	5.80%	0.098%
50	5.848	5.822	5.876	VV	133947	2191586	23.85%	0.401%
51	5.889	5.876	5.913	VV	58580	778173	8.47%	0.143%
52	5.930	5.913	5.946	VV	108356	1131213	12.31%	0.207%
53	5.972	5.946	5.999	VV	100603	1554194	16.92%	0.285%
54	6.012	5.999	6.024	VV	30844	367662	4.00%	0.067%
55	6.033	6.024	6.044	VV	21899	232912	2.53%	0.043%
56	6.074	6.044	6.116	VV	96814	1801202	19.60%	0.330%
57	6.146	6.116	6.200	VV	37710	1119295	12.18%	0.205%
58	6.234	6.200	6.247	VV	54603	1006612	10.96%	0.184%
59	6.264	6.247	6.280	VV	71013	985800	10.73%	0.181%
60	6.292	6.280	6.322	VV	46001	929652	10.12%	0.170%
61	6.345	6.322	6.363	VV	79315	1145904	12.47%	0.210%
62	6.393	6.363	6.406	VV	53647	967895	10.53%	0.177%
63	6.422	6.406	6.444	VV	143793	1499456	16.32%	0.275%
64	6.463	6.444	6.482	VV	61689	806787	8.78%	0.148%
65	6.498	6.482	6.509	VV	35891	441859	4.81%	0.081%
66	6.538	6.509	6.555	VV	142070	1957468	21.30%	0.359%
67	6.563	6.555	6.604	VV	44633	963165	10.48%	0.176%
68	6.622	6.604	6.638	VV	44264	606203	6.60%	0.111%
69	6.662	6.638	6.682	VV	93337	1531731	16.67%	0.281%
70	6.700	6.682	6.737	VV	135451	2498593	27.19%	0.458%
71	6.761	6.737	6.776	VV	139909	1935562	21.07%	0.355%
72	6.780	6.776	6.797	VV	69876	613184	6.67%	0.112%
73	6.810	6.797	6.826	VV	52797	656500	7.15%	0.120%
74	6.854	6.826	6.872	VV	163652	2571656	27.99%	0.471%
75	6.890	6.872	6.928	VV	203809	3430212	37.33%	0.628%
76	6.949	6.928	6.958	VV	37277	561810	6.11%	0.103%
77	6.968	6.958	6.982	VV	41028	503651	5.48%	0.092%
78	6.998	6.982	7.016	VV	43335	692654	7.54%	0.127%
79	7.040	7.016	7.052	VV	124660	1622464	17.66%	0.297%
80	7.060	7.052	7.084	VV	89962	1293904	14.08%	0.237%
81	7.100	7.084	7.106	VV	64801	702209	7.64%	0.129%
82	7.118	7.106	7.129	VV	91169	1063908	11.58%	0.195%
83	7.139	7.129	7.179	VV	86994	1776203	19.33%	0.325%
84	7.209	7.179	7.218	VV	36613	765371	8.33%	0.140%
85	7.237	7.218	7.269	VV	124828	2353366	25.61%	0.431%
86	7.287	7.269	7.312	VV	106398	1614277	17.57%	0.296%
87	7.333	7.312	7.348	VV	43987	807762	8.79%	0.148%
88	7.371	7.348	7.415	VV	458698	6046451	65.81%	1.108%
89	7.428	7.415	7.441	VV	60609	816824	8.89%	0.150%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

90	7.447	7.441	7.455	VV	49224	397308	4.32%	0.073%
91	7.467	7.455	7.476	VV	59700	679484	7	
92	7.491	7.476	7.511	VV	70359	1152412	12	
93	7.528	7.511	7.543	VV	75873	1057781	11	
94	7.558	7.543	7.569	VV	68071	903659	9	
95	7.579	7.569	7.594	VV	64085	850063	9	
96	7.634	7.594	7.651	VV	132330	2956772	32.18%	0.542%
97	7.657	7.651	7.671	VV	99683	1019368	11.09%	0.187%
98	7.685	7.671	7.711	VV	119683	1974349	21.49%	0.362%
99	7.729	7.711	7.739	VV	301615	3355273	36.52%	0.615%
100	7.744	7.739	7.789	VV	244199	4142083	45.08%	0.759%
101	7.805	7.789	7.821	VV	62368	1019660	11.10%	0.187%
102	7.849	7.821	7.865	VV	512114	6364648	69.27%	1.166%
103	7.875	7.865	7.893	VV	166947	1987929	21.64%	0.364%
104	7.906	7.893	7.922	VV	90476	1378065	15.00%	0.252%
105	7.936	7.922	7.948	VV	72715	1052946	11.46%	0.193%
106	7.963	7.948	7.979	VV	95986	1588941	17.29%	0.291%
107	8.006	7.979	8.058	VV	224946	6187182	67.34%	1.133%
108	8.079	8.058	8.096	VV	120350	1905613	20.74%	0.349%
109	8.116	8.096	8.129	VV	159909	2148702	23.39%	0.394%
110	8.145	8.129	8.159	VV	131864	1820743	19.82%	0.334%
111	8.165	8.159	8.184	VV	82156	1061960	11.56%	0.195%
112	8.223	8.184	8.244	VV	321147	4728069	51.46%	0.866%
113	8.258	8.244	8.269	VV	64039	870491	9.47%	0.159%
114	8.288	8.269	8.303	VV	95549	1647928	17.94%	0.302%
115	8.316	8.303	8.328	VV	99058	1301021	14.16%	0.238%
116	8.342	8.328	8.357	VV	86911	1409224	15.34%	0.258%
117	8.388	8.357	8.411	VV	101713	2876870	31.31%	0.527%
118	8.430	8.411	8.455	VV	130659	2610301	28.41%	0.478%
119	8.476	8.455	8.500	VV	171734	3106745	33.81%	0.569%
120	8.513	8.500	8.527	VV	98610	1364340	14.85%	0.250%
121	8.562	8.527	8.581	VV	363814	5786294	62.98%	1.060%
122	8.594	8.581	8.616	VV	156658	2433000	26.48%	0.446%
123	8.633	8.616	8.647	VV	136345	1980373	21.55%	0.363%
124	8.662	8.647	8.671	VV	113825	1449571	15.78%	0.266%
125	8.684	8.671	8.698	VV	155263	2089398	22.74%	0.383%
126	8.705	8.698	8.714	VV	117255	1059201	11.53%	0.194%
127	8.731	8.714	8.748	VV	355316	4191639	45.62%	0.768%
128	8.772	8.748	8.815	VV	391404	6482076	70.55%	1.187%
129	8.841	8.815	8.859	VV	93079	2080424	22.64%	0.381%
130	8.885	8.859	8.902	VV	339611	4644641	50.55%	0.851%
131	8.917	8.902	8.935	VV	288165	3342857	36.38%	0.612%
132	8.947	8.935	8.959	VV	81247	1073293	11.68%	0.197%
133	8.968	8.959	8.979	VV	78392	886913	9.65%	0.162%
134	8.998	8.979	9.005	VV	162653	1882438	20.49%	0.345%
135	9.020	9.005	9.040	VV	353918	4537654	49.39%	0.831%
136	9.049	9.040	9.061	VV	96734	1142336	12.43%	0.209%
137	9.095	9.061	9.109	VV	136356	3159363	34.39%	0.579%
138	9.124	9.109	9.149	VV	152403	2677465	29.14%	0.490%
139	9.177	9.149	9.197	VV	361867	5563940	60.56%	1.019%
140	9.210	9.197	9.228	VV	133026	2200740	23.95%	0.403%
141	9.247	9.228	9.265	VV	146559	2639700	28.73%	0.484%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

142	9.305	9.265	9.325	VV	287289	6606386	71.90%	1.210%
143	9.343	9.325	9.367	VV	141404	2901598	31	
144	9.381	9.367	9.397	VV	123714	1942120	21	
145	9.424	9.397	9.431	VV	181302	2746434	29	
146	9.438	9.431	9.453	VV	182733	2260957	24	
147	9.459	9.453	9.464	VV	147498	933702	10	
148	9.476	9.464	9.491	VV	175327	2411023	26.24%	0.442%
149	9.511	9.491	9.563	VV	215163	6984232	76.02%	1.279%
150	9.577	9.563	9.595	VV	119164	2051247	22.33%	0.376%
151	9.623	9.595	9.649	VV	139437	3891539	42.35%	0.713%
152	9.684	9.649	9.719	VV	220081	5626844	61.24%	1.031%
153	9.742	9.719	9.746	VV	130261	1881102	20.47%	0.345%
154	9.755	9.746	9.774	VV	134077	1962206	21.36%	0.359%
155	9.786	9.774	9.795	VV	108025	1266220	13.78%	0.232%
156	9.819	9.795	9.823	VV	122638	1942740	21.14%	0.356%
157	9.843	9.823	9.870	VV	257651	4906575	53.40%	0.899%
158	9.888	9.870	9.896	VV	157884	2182816	23.76%	0.400%
159	9.917	9.896	9.934	VV	211179	4070405	44.30%	0.746%
160	9.948	9.934	9.956	VV	195856	2365193	25.74%	0.433%
161	9.974	9.956	9.990	VV	279200	4873403	53.04%	0.893%
162	10.014	9.990	10.043	VV	340094	7272571	79.15%	1.332%
163	10.052	10.043	10.069	VV	140369	2068046	22.51%	0.379%
164	10.092	10.069	10.102	VV	238934	3702315	40.30%	0.678%
165	10.112	10.102	10.131	VV	238647	3340906	36.36%	0.612%
166	10.151	10.131	10.168	VV	233283	4231930	46.06%	0.775%
167	10.186	10.168	10.201	VV	244311	3979130	43.31%	0.729%
168	10.214	10.201	10.243	VV	195462	4296191	46.76%	0.787%
169	10.261	10.243	10.275	VV	203078	3225019	35.10%	0.591%
170	10.291	10.275	10.303	VV	194590	2813519	30.62%	0.515%
171	10.338	10.303	10.378	VV	306487	9187941	100.00%	1.683%
172	10.393	10.378	10.408	VV	153599	2400880	26.13%	0.440%
173	10.452	10.408	10.468	VV	159524	4696007	51.11%	0.860%
174	10.487	10.468	10.515	VV	236599	4650722	50.62%	0.852%
175	10.525	10.515	10.545	VV	135592	2282914	24.85%	0.418%
176	10.564	10.545	10.575	VV	141362	2182322	23.75%	0.400%
177	10.586	10.575	10.613	VV	150489	2980239	32.44%	0.546%
178	10.626	10.613	10.639	VV	117181	1745836	19.00%	0.320%
179	10.664	10.639	10.692	VV	148419	4059667	44.18%	0.744%
180	10.705	10.692	10.718	VV	131287	1946212	21.18%	0.357%
181	10.727	10.718	10.748	VV	126607	2216690	24.13%	0.406%
182	10.761	10.748	10.773	VV	121511	1803881	19.63%	0.330%
183	10.798	10.773	10.822	VV	220332	4820680	52.47%	0.883%
184	10.840	10.822	10.866	VV	198402	4534109	49.35%	0.831%
185	10.884	10.866	10.908	VV	204578	4185261	45.55%	0.767%
186	10.916	10.908	10.931	VV	140879	1916140	20.85%	0.351%
187	10.963	10.931	10.993	VV	187235	5751654	62.60%	1.054%
188	11.008	10.993	11.028	VV	215219	3531930	38.44%	0.647%
189	11.053	11.028	11.072	VV	205314	4240208	46.15%	0.777%
190	11.081	11.072	11.102	VV	150122	2370889	25.80%	0.434%
191	11.137	11.102	11.166	VV	199246	5485570	59.70%	1.005%
192	11.176	11.166	11.199	VV	123015	2251730	24.51%	0.412%
193	11.258	11.199	11.272	VV	234272	6236915	67.88%	1.143%
194	11.285	11.272	11.301	VV	226247	3192067	34.74%	0.585%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.316	11.301	11.339	VV	247978	3800288	41.36%	0.696%
196	11.347	11.339	11.361	VV	101401	1334219	14	
197	11.387	11.361	11.408	VV	131138	3297430	35	
198	11.432	11.408	11.448	VV	217889	3804640	41	
199	11.463	11.448	11.518	VV	189108	5662330	61	
200	11.538	11.518	11.555	VV	120102	2426527	26	
201	11.591	11.555	11.607	VV	154390	4015847	43.71%	0.736%
202	11.626	11.607	11.653	VV	162762	3804758	41.41%	0.697%
203	11.659	11.653	11.673	VV	119494	1391271	15.14%	0.255%
204	11.686	11.673	11.703	VV	141145	2119196	23.06%	0.388%
205	11.729	11.703	11.768	VV	113499	4147627	45.14%	0.760%
206	11.785	11.768	11.799	VV	140047	2159285	23.50%	0.396%
207	11.818	11.799	11.875	VV	175616	5284102	57.51%	0.968%
208	11.897	11.875	11.915	VV	118556	2458421	26.76%	0.450%
209	11.930	11.915	11.943	VV	109703	1638333	17.83%	0.300%
210	11.960	11.943	11.972	VV	116530	1851839	20.16%	0.339%
211	11.978	11.972	11.993	VV	106571	1297771	14.12%	0.238%
212	11.999	11.993	12.010	VV	94440	924080	10.06%	0.169%
213	12.027	12.010	12.051	VV	128398	2620888	28.53%	0.480%
214	12.071	12.051	12.081	VV	158871	2354566	25.63%	0.431%
215	12.089	12.081	12.111	VV	150484	2107009	22.93%	0.386%
216	12.180	12.111	12.198	VV	220968	6273553	68.28%	1.149%
217	12.215	12.198	12.231	VV	160295	2654120	28.89%	0.486%
218	12.243	12.231	12.274	VV	135240	2728680	29.70%	0.500%
219	12.291	12.274	12.364	VV	126470	4640288	50.50%	0.850%
220	12.397	12.364	12.405	VV	81170	1820791	19.82%	0.334%
221	12.421	12.405	12.444	VV	105965	1981599	21.57%	0.363%
222	12.456	12.444	12.466	VV	69034	852922	9.28%	0.156%
223	12.486	12.466	12.501	VV	76433	1505148	16.38%	0.276%
224	12.536	12.501	12.565	VV	82336	2770708	30.16%	0.508%
225	12.585	12.565	12.602	VV	113250	1889921	20.57%	0.346%
226	12.623	12.602	12.644	VV	95999	1941671	21.13%	0.356%
227	12.659	12.644	12.670	VV	73251	1027069	11.18%	0.188%
228	12.696	12.670	12.712	VV	81193	1842002	20.05%	0.337%
229	12.726	12.712	12.736	VV	76466	1077757	11.73%	0.197%
230	12.759	12.736	12.787	VV	80451	2286366	24.88%	0.419%
231	12.795	12.787	12.817	VV	67525	1035587	11.27%	0.190%
232	12.833	12.817	12.840	VV	50189	694638	7.56%	0.127%
233	12.871	12.840	12.900	VV	87320	2537986	27.62%	0.465%
234	12.920	12.900	12.956	VV	113952	2422360	26.36%	0.444%
235	12.983	12.956	12.997	VV	74311	1452789	15.81%	0.266%
236	13.015	12.997	13.040	VV	76862	1597527	17.39%	0.293%
237	13.055	13.040	13.072	VV	52283	914777	9.96%	0.168%
238	13.092	13.072	13.122	VV	59238	1541014	16.77%	0.282%
239	13.136	13.122	13.152	VV	53930	932731	10.15%	0.171%
240	13.171	13.152	13.195	VV	61911	1369467	14.91%	0.251%
241	13.200	13.195	13.204	VV	43150	230477	2.51%	0.042%
242	13.211	13.204	13.213	VV	43394	226475	2.46%	0.041%
243	13.220	13.213	13.235	VV	44020	541535	5.89%	0.099%
244	13.273	13.235	13.298	VV	82449	1975989	21.51%	0.362%
245	13.315	13.298	13.332	VV	53001	984881	10.72%	0.180%
246	13.352	13.332	13.392	VV	52469	1597282	17.38%	0.293%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

247	13.403	13.392	13.420	VV	41124	657651	7.16%	0.120%
248	13.442	13.420	13.463	VV	60450	1187418	12	
249	13.481	13.463	13.505	VV	41870	958065	10	
250	13.521	13.505	13.535	VV	35434	602718	6	
251	13.551	13.535	13.571	VV	35261	728160	7	
252	13.578	13.571	13.608	VV	33718	645918	7	
253	13.632	13.608	13.659	VV	35779	958932	10.44%	0.176%
254	13.664	13.659	13.668	VV	28164	147396	1.60%	0.027%
255	13.682	13.668	13.697	VV	31311	513189	5.59%	0.094%
256	13.704	13.697	13.709	VV	27987	207511	2.26%	0.038%
257	13.711	13.709	13.721	VV	27764	181328	1.97%	0.033%
258	13.735	13.721	13.748	VV	29812	451564	4.91%	0.083%
259	13.786	13.748	13.818	VV	38811	1252564	13.63%	0.229%
260	13.833	13.818	13.846	VV	27315	436532	4.75%	0.080%
261	13.861	13.846	13.871	VV	30742	437455	4.76%	0.080%
262	13.883	13.871	13.920	VV	32694	868380	9.45%	0.159%
263	13.926	13.920	13.955	VV	26850	512822	5.58%	0.094%
264	13.985	13.955	13.990	VV	29537	540505	5.88%	0.099%
265	14.010	13.990	14.049	VV	33947	986489	10.74%	0.181%
266	14.081	14.049	14.090	VV	28862	632479	6.88%	0.116%
267	14.099	14.090	14.119	VV	28986	458966	5.00%	0.084%
268	14.141	14.119	14.162	VV	31707	655814	7.14%	0.120%
269	14.172	14.162	14.198	VV	21440	430046	4.68%	0.079%
270	14.229	14.198	14.243	VV	20609	518276	5.64%	0.095%
271	14.268	14.243	14.286	VV	23177	540894	5.89%	0.099%
272	14.304	14.286	14.327	VV	21003	481180	5.24%	0.088%
273	14.338	14.327	14.355	VV	17466	273333	2.97%	0.050%
274	14.386	14.355	14.412	VV	47481	931592	10.14%	0.171%
275	14.428	14.412	14.438	VV	18336	281823	3.07%	0.052%
276	14.456	14.438	14.470	VV	20163	347599	3.78%	0.064%
277	14.491	14.470	14.520	VV	23252	579121	6.30%	0.106%
278	14.545	14.520	14.581	VV	26199	723687	7.88%	0.133%
279	14.606	14.581	14.622	VV	21059	453251	4.93%	0.083%
280	14.654	14.622	14.732	VV	22227	1167213	12.70%	0.214%
281	14.754	14.732	14.784	VV	19763	506916	5.52%	0.093%
282	14.811	14.784	14.819	VV	13945	283706	3.09%	0.052%
283	14.827	14.819	14.832	VV	14384	112437	1.22%	0.021%
284	14.838	14.832	14.858	VV	14108	211425	2.30%	0.039%
285	14.911	14.858	14.947	VV	16536	757993	8.25%	0.139%
286	14.964	14.947	14.991	VV	14447	343857	3.74%	0.063%
287	14.995	14.991	15.000	VV	11534	64176	0.70%	0.012%
288	15.038	15.000	15.044	VV	14150	335542	3.65%	0.061%
289	15.067	15.044	15.096	VV	20738	502975	5.47%	0.092%
290	15.123	15.096	15.144	VV	23687	496351	5.40%	0.091%
291	15.159	15.144	15.175	VV	16550	266827	2.90%	0.049%
292	15.180	15.175	15.190	VV	10849	95041	1.03%	0.017%
293	15.203	15.190	15.216	VV	11298	165819	1.80%	0.030%
294	15.237	15.216	15.245	VV	14406	226294	2.46%	0.041%
295	15.250	15.245	15.254	VV	13560	68375	0.74%	0.013%
296	15.289	15.254	15.334	VV	16773	659146	7.17%	0.121%
297	15.357	15.334	15.373	VV	13006	282239	3.07%	0.052%
298	15.381	15.373	15.400	VV	13181	209535	2.28%	0.038%
299	15.403	15.400	15.409	VV	13430	65636	0.71%	0.012%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

rteres

300	15.414	15.409	15.431	VV	12908	164136	1.79%	0.030%
301	15.452	15.431	15.471	VV	13398	295610	3	
302	15.475	15.471	15.483	VV	11312	79037	0	
303	15.489	15.483	15.497	VV	11330	88701	0	
304	15.513	15.497	15.525	VV	11878	190393	2	
305	15.563	15.525	15.587	VV	25283	590624	6	
306	15.592	15.587	15.600	VV	11876	93466	1.02%	0.017%
307	15.621	15.600	15.646	VV	13214	312929	3.41%	0.057%
308	15.657	15.646	15.678	VV	10453	177181	1.93%	0.032%
309	15.725	15.678	15.750	VV	17967	556084	6.05%	0.102%
310	15.757	15.750	15.775	VV	12762	181654	1.98%	0.033%
311	15.801	15.775	15.810	VV	13658	253716	2.76%	0.046%
312	15.825	15.810	15.845	VV	14536	273565	2.98%	0.050%
313	15.873	15.845	15.895	VV	15681	418217	4.55%	0.077%
314	15.919	15.895	15.943	VV	16034	390375	4.25%	0.072%
315	15.950	15.943	15.962	VV	10000	111184	1.21%	0.020%
316	16.005	15.962	16.024	VV	18017	487739	5.31%	0.089%
317	16.042	16.024	16.073	VV	23016	468831	5.10%	0.086%
318	16.113	16.073	16.118	VV	12926	305520	3.33%	0.056%
319	16.134	16.118	16.148	VV	13031	221608	2.41%	0.041%
320	16.165	16.148	16.192	VV	12983	313656	3.41%	0.057%
321	16.206	16.192	16.211	VV	11912	132909	1.45%	0.024%
322	16.224	16.211	16.229	VV	12694	130577	1.42%	0.024%
323	16.237	16.229	16.255	VV	12673	190752	2.08%	0.035%
324	16.286	16.255	16.303	VV	15790	402412	4.38%	0.074%
325	16.318	16.303	16.345	VV	16305	355270	3.87%	0.065%
326	16.358	16.345	16.365	VV	12820	147017	1.60%	0.027%
327	16.379	16.365	16.399	VV	13307	246622	2.68%	0.045%
328	16.404	16.399	16.407	VV	11419	55614	0.61%	0.010%
329	16.411	16.407	16.422	VV	11621	100414	1.09%	0.018%
330	16.450	16.422	16.457	VV	12427	247239	2.69%	0.045%
331	16.464	16.457	16.472	VV	12206	105566	1.15%	0.019%
332	16.506	16.472	16.547	VV	30846	806777	8.78%	0.148%
333	16.553	16.547	16.555	VV	11417	57236	0.62%	0.010%
334	16.580	16.555	16.599	VV	13158	315629	3.44%	0.058%
335	16.612	16.599	16.620	VV	12333	145665	1.59%	0.027%
336	16.642	16.620	16.650	VV	11986	202631	2.21%	0.037%
337	16.706	16.650	16.732	VV	18515	695161	7.57%	0.127%
338	16.745	16.732	16.760	VV	13793	219521	2.39%	0.040%
339	16.791	16.760	16.812	VV	20511	482250	5.25%	0.088%
340	16.827	16.812	16.847	VV	15444	281333	3.06%	0.052%
341	16.875	16.847	16.925	VV	19064	640348	6.97%	0.117%
342	16.955	16.925	17.001	VV	28480	713763	7.77%	0.131%
343	17.032	17.001	17.055	VV	12925	376919	4.10%	0.069%
344	17.089	17.055	17.093	VV	13119	270078	2.94%	0.049%
345	17.098	17.093	17.120	VV	13184	181652	1.98%	0.033%
346	17.156	17.120	17.173	VV	10277	312648	3.40%	0.057%
347	17.189	17.173	17.228	VV	13358	362578	3.95%	0.066%
348	17.246	17.228	17.274	VV	10733	266756	2.90%	0.049%
349	17.283	17.274	17.300	VV	9410	142840	1.55%	0.026%
350	17.323	17.300	17.338	VV	12152	257227	2.80%	0.047%
351	17.350	17.338	17.367	VV	12367	195674	2.13%	0.036%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

352	17.389	17.367	17.428	VV	30336	591408	6.44%	0.108%
353	17.441	17.428	17.455	VV	9528	135398	1	
354	17.489	17.455	17.508	VV	18642	419823	4	
355	17.527	17.508	17.572	VV	14216	413784	4	
356	17.598	17.572	17.615	VV	8675	192984	2	
357	17.645	17.615	17.670	VV	10329	276980	3	
358	17.695	17.670	17.733	VV	10283	318317	3.46%	0.058%
359	17.750	17.733	17.777	VV	9733	199059	2.17%	0.036%
360	17.809	17.777	17.833	VV	23821	420367	4.58%	0.077%
361	17.855	17.833	17.907	VV	18057	368609	4.01%	0.068%
362	17.919	17.907	17.943	VV	6267	104987	1.14%	0.019%
363	17.948	17.943	17.977	VV	4569	73044	0.79%	0.013%
364	18.003	17.977	18.038	VV	6666	171121	1.86%	0.031%
365	18.066	18.038	18.103	VV	6726	165005	1.80%	0.030%
366	18.116	18.103	18.130	VV	3625	47420	0.52%	0.009%
367	18.139	18.130	18.165	VV	3267	54946	0.60%	0.010%
368	18.177	18.165	18.189	VV	2488	33409	0.36%	0.006%
369	18.217	18.189	18.250	VBA	18836	298114	3.24%	0.055%

Sum of corrected areas: 545889630

Aromatic EPH 102324.M Wed Oct 30 03:20:59 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-02DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
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
FC067553.D	25	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	50.5		12.0	31.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	235		7.56	21.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	340		9.45	31.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	42.5		25.2	42.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	152		56.7	63.0	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.76		40 - 140	38%	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:	P4518-02DL2	Acq On:	29 Oct 2024 09:31
Client Sample ID:	EX-5-TPH-2DL2	Operator:	YP/AJ
Data file:	FC067553.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	3259580	24.061	300	ug/ml
Aliphatic C12-C16	6.454	9.842	14755876	112.057	200	ug/ml
Aliphatic C16-C21	9.843	13.200	20595384	161.869	300	ug/ml
Aliphatic C21-C28	13.201	16.853	2428411	20.222	400	ug/ml
Aliphatic C28-C40	16.854	21.695	7332815	72.535	600	ug/ml
Aliphatic EPH	3.173	21.695	48372066	390.744		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.928	12.928	82366	0.76		ug/ml
Aliphatic C9-C28	3.173	16.853	41039251	318.209	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067553.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 09:31
Operator : YP/AJ
Sample : P4518-02DL2 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2DL2

Integration File: sample.E
Quant Time: Oct 30 03:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.928	82366	0.763 ug/mlm
Spiked Amount 50.000		Recovery =	1.53%
Target Compounds			

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

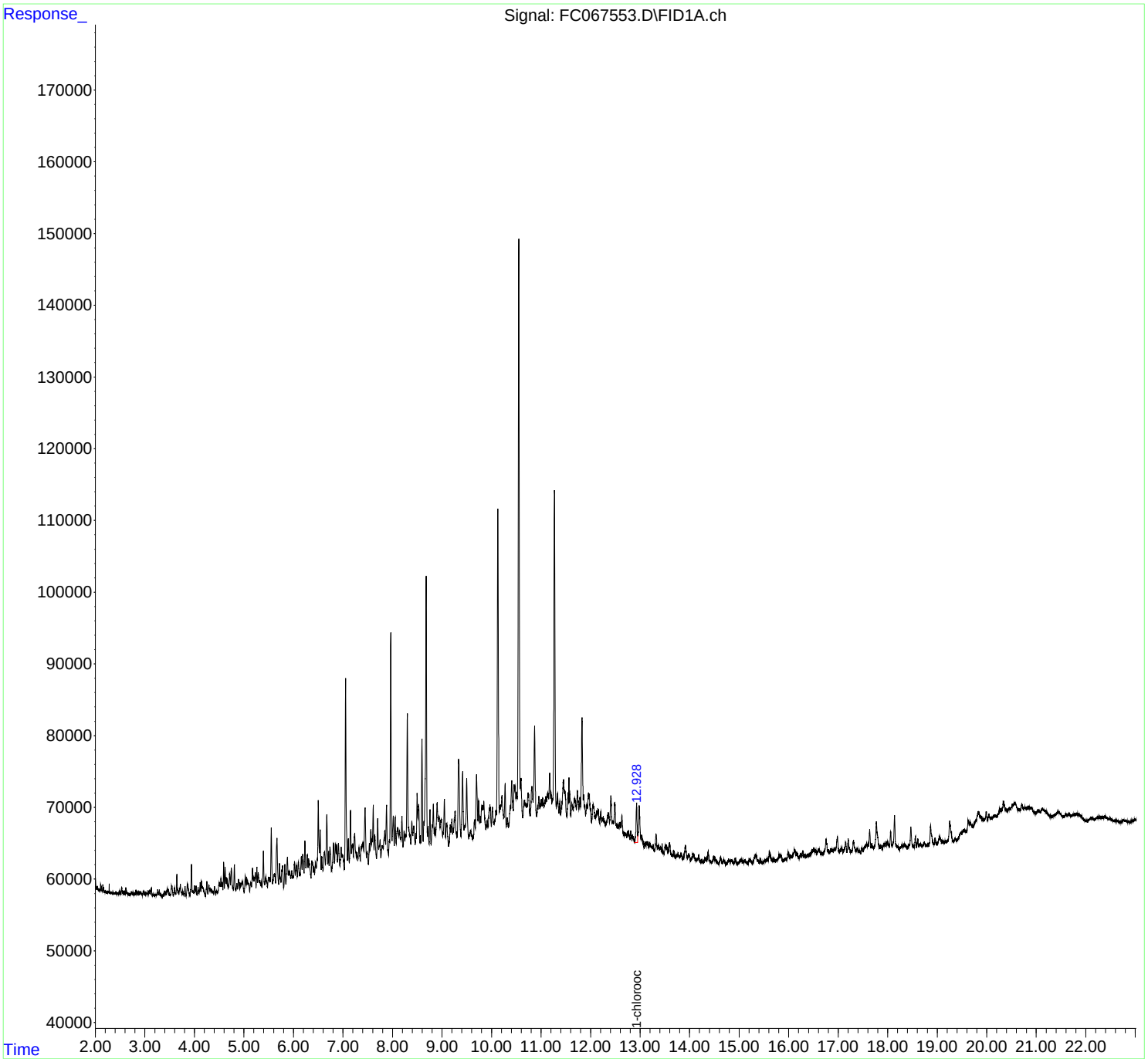
Quantitation Report (QT Reviewed)

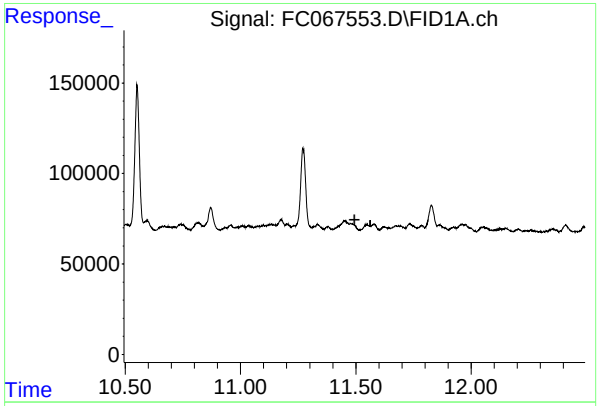
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067553.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 09:31
Operator : YP/AJ
Sample : P4518-02DL2 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2DL2

Integration File: sample.E
Quant Time: Oct 30 03:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

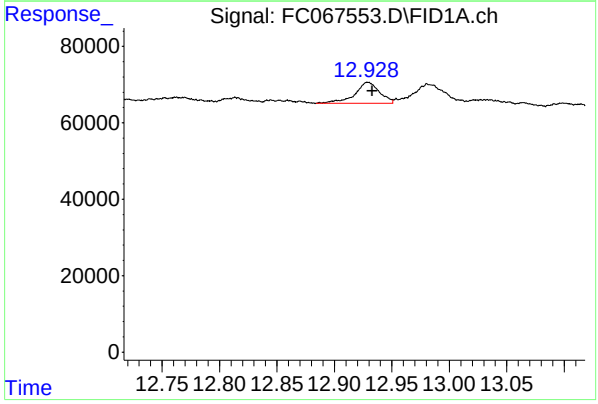




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-2DL2



#12 1-chlorooctadecane (SURR)

R.T.: 12.928 min
Delta R.T.: -0.005 min
Response: 82366
Conc: 0.76 ug/ml m

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067553.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 09:31
Sample : P4518-02DL2 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.154	3.234	BV	125	619	0.04%	0.001%
2	3.259	3.234	3.277	VV	728	8769	0.62%	0.018%
3	3.291	3.277	3.308	VV	785	7434	0.52%	0.015%
4	3.320	3.308	3.355	VV	269	2975	0.21%	0.006%
5	3.397	3.355	3.410	PV	690	8228	0.58%	0.017%
6	3.420	3.410	3.433	VV	493	5241	0.37%	0.011%
7	3.451	3.433	3.463	VV	956	11086	0.78%	0.023%
8	3.474	3.463	3.499	VV	897	11332	0.79%	0.023%
9	3.539	3.499	3.573	VV	1400	26801	1.88%	0.055%
10	3.600	3.573	3.621	VV	1131	15792	1.11%	0.033%
11	3.645	3.621	3.686	VV	3001	42239	2.96%	0.087%
12	3.716	3.686	3.750	VV	1603	29351	2.06%	0.060%
13	3.765	3.750	3.793	VV	718	10007	0.70%	0.021%
14	3.811	3.793	3.829	VV	1329	12074	0.85%	0.025%
15	3.858	3.829	3.905	VV	1649	34088	2.39%	0.070%
16	3.941	3.905	3.982	VV	4385	57318	4.02%	0.118%
17	4.001	3.982	4.017	VV	1422	18064	1.27%	0.037%
18	4.034	4.017	4.054	VV	1362	16607	1.16%	0.034%
19	4.074	4.054	4.088	VV	1151	13636	0.96%	0.028%
20	4.117	4.088	4.129	VV	1821	24743	1.74%	0.051%
21	4.144	4.129	4.224	VV	2034	50115	3.51%	0.103%
22	4.252	4.224	4.269	PV	1975	24622	1.73%	0.051%
23	4.292	4.269	4.315	VV	1521	24933	1.75%	0.051%
24	4.325	4.315	4.341	VV	903	11921	0.84%	0.025%
25	4.347	4.341	4.368	VV	837	9892	0.69%	0.020%
26	4.374	4.368	4.390	VV	543	5483	0.38%	0.011%
27	4.407	4.390	4.429	VV	1167	15647	1.10%	0.032%
28	4.452	4.429	4.471	VV	530	10410	0.73%	0.021%
29	4.502	4.471	4.520	VV	1647	34597	2.43%	0.071%
30	4.535	4.520	4.550	VV	2299	30884	2.17%	0.064%
31	4.561	4.550	4.575	VV	1726	21102	1.48%	0.043%
32	4.592	4.575	4.606	VV	4472	45066	3.16%	0.093%
33	4.620	4.606	4.634	VV	3750	42810	3.00%	0.088%
34	4.644	4.634	4.681	VV	2389	50004	3.51%	0.103%
35	4.713	4.681	4.728	VV	2879	51132	3.59%	0.105%
36	4.746	4.728	4.791	VV	3618	69886	4.90%	0.144%

37	4.808	4.791	4.835	VV	4088	49594	3.48%	0.102%
38	4.857	4.835	4.872	VV	1441	21744	1.52%	0.045%
39	4.891	4.872	4.911	VV	2040	33326	2.34%	0.069%
40	4.922	4.911	4.933	VV	1530	15915	1.12%	0.033%
41	4.962	4.933	5.004	VV	1684	49369	3.46%	0.102%
42	5.027	5.004	5.041	VV	2417	30819	2.16%	0.063%
43	5.053	5.041	5.064	VV	2283	24517	1.72%	0.050%
44	5.073	5.064	5.115	VV	1792	38961	2.73%	0.080%
45	5.139	5.115	5.154	VV	1393	24713	1.73%	0.051%
46	5.173	5.154	5.203	VV	3465	65102	4.57%	0.134%
47	5.230	5.203	5.245	VV	2775	50769	3.56%	0.105%
48	5.262	5.245	5.276	VV	3487	41946	2.94%	0.086%
49	5.290	5.276	5.337	VV	2657	65112	4.57%	0.134%
50	5.351	5.337	5.364	VV	1411	18609	1.31%	0.038%
51	5.393	5.364	5.419	VV	5765	84348	5.92%	0.174%
52	5.443	5.419	5.477	VV	2211	52743	3.70%	0.109%
53	5.496	5.477	5.531	VV	2044	54420	3.82%	0.112%
54	5.553	5.531	5.578	VV	8900	121250	8.50%	0.250%
55	5.620	5.578	5.638	VV	2471	71003	4.98%	0.146%
56	5.667	5.638	5.701	VV	7449	146295	10.26%	0.301%
57	5.719	5.701	5.750	VV	3900	64536	4.53%	0.133%
58	5.780	5.750	5.804	VV	3544	73323	5.14%	0.151%
59	5.827	5.804	5.847	VV	3660	51000	3.58%	0.105%
60	5.877	5.847	5.896	VV	4636	87216	6.12%	0.180%
61	5.905	5.896	5.914	VV	2707	27065	1.90%	0.056%
62	5.925	5.914	5.947	VV	2648	45678	3.20%	0.094%
63	5.967	5.947	5.983	VV	2839	47926	3.36%	0.099%
64	5.996	5.983	6.004	VV	2053	24415	1.71%	0.050%
65	6.022	6.004	6.039	VV	4068	62027	4.35%	0.128%
66	6.059	6.039	6.080	VV	3535	71009	4.98%	0.146%
67	6.100	6.080	6.128	VV	3911	84092	5.90%	0.173%
68	6.160	6.128	6.174	VV	4722	91667	6.43%	0.189%
69	6.189	6.174	6.214	VV	4870	92003	6.45%	0.189%
70	6.233	6.214	6.254	VV	6813	109632	7.69%	0.226%
71	6.279	6.254	6.295	VV	4903	99363	6.97%	0.205%
72	6.308	6.295	6.355	VV	4289	113798	7.98%	0.234%
73	6.373	6.355	6.402	VV	3947	87468	6.13%	0.180%
74	6.413	6.402	6.428	VV	3093	43131	3.02%	0.089%
75	6.445	6.428	6.464	VV	3769	68768	4.82%	0.142%
76	6.502	6.464	6.525	VV	12379	233576	16.38%	0.481%
77	6.540	6.525	6.560	VV	8254	122390	8.58%	0.252%
78	6.573	6.560	6.598	VV	4557	78053	5.47%	0.161%
79	6.627	6.598	6.648	VV	5219	123359	8.65%	0.254%
80	6.674	6.648	6.698	VV	10356	194483	13.64%	0.401%
81	6.709	6.698	6.722	VV	5016	61531	4.32%	0.127%
82	6.738	6.722	6.768	VV	5786	120627	8.46%	0.248%
83	6.810	6.768	6.829	VV	6238	154018	10.80%	0.317%
84	6.848	6.829	6.862	VV	6160	102494	7.19%	0.211%
85	6.874	6.862	6.890	VV	5995	83037	5.82%	0.171%
86	6.910	6.890	6.937	VV	6165	131558	9.23%	0.271%
87	6.965	6.937	7.027	VV	5593	226046	15.85%	0.466%
88	7.054	7.027	7.091	VV	29175	439213	30.80%	0.905%
89	7.108	7.091	7.128	VV	6808	110770	7.77%	0.228%

90	7.153	7.128	7.171	VV	10629	174423	12.23%	0.359%
91	7.196	7.171	7.211	VV	6060	130827	9.18%	0.269%
92	7.237	7.211	7.271	VV	7592	204053	14.31%	0.420%
93	7.284	7.271	7.300	VV	4702	74107	5.20%	0.153%
94	7.324	7.300	7.350	VV	5488	135502	9.50%	0.279%
95	7.403	7.350	7.420	VV	6086	229868	16.12%	0.473%
96	7.447	7.420	7.475	VV	10993	245782	17.24%	0.506%
97	7.489	7.475	7.514	VV	4876	94955	6.66%	0.196%
98	7.534	7.514	7.545	VV	5916	91177	6.39%	0.188%
99	7.562	7.545	7.576	VV	7768	119654	8.39%	0.246%
100	7.611	7.576	7.628	VV	11238	233997	16.41%	0.482%
101	7.642	7.628	7.678	VV	7143	167970	11.78%	0.346%
102	7.701	7.678	7.721	VV	9365	166181	11.66%	0.342%
103	7.750	7.721	7.768	VV	6413	151428	10.62%	0.312%
104	7.794	7.768	7.811	VV	5535	131234	9.20%	0.270%
105	7.845	7.811	7.861	VV	7610	191547	13.43%	0.394%
106	7.880	7.861	7.919	VV	11127	247476	17.36%	0.510%
107	7.966	7.919	7.991	VV	35098	551097	38.65%	1.135%
108	8.017	7.991	8.037	VV	9476	211192	14.81%	0.435%
109	8.054	8.037	8.075	VV	9447	165381	11.60%	0.341%
110	8.105	8.075	8.127	VV	7849	224026	15.71%	0.461%
111	8.143	8.127	8.171	VV	7556	180353	12.65%	0.371%
112	8.192	8.171	8.214	VV	9388	188326	13.21%	0.388%
113	8.237	8.214	8.251	VV	7337	144055	10.10%	0.297%
114	8.265	8.251	8.273	VV	6867	87862	6.16%	0.181%
115	8.301	8.273	8.371	VV	23814	593023	41.59%	1.221%
116	8.392	8.371	8.410	VV	8684	174191	12.22%	0.359%
117	8.430	8.410	8.458	VV	7934	201860	14.16%	0.416%
118	8.499	8.458	8.512	VV	12577	272500	19.11%	0.561%
119	8.530	8.512	8.554	VV	10934	225556	15.82%	0.465%
120	8.565	8.554	8.575	VV	6625	79129	5.55%	0.163%
121	8.597	8.575	8.619	VV	20085	301666	21.16%	0.621%
122	8.681	8.619	8.707	VV	42484	845286	59.28%	1.741%
123	8.720	8.707	8.738	VV	7885	126212	8.85%	0.260%
124	8.758	8.738	8.781	VV	10206	195163	13.69%	0.402%
125	8.825	8.781	8.844	VV	10889	303217	21.27%	0.624%
126	8.859	8.844	8.873	VV	7651	121753	8.54%	0.251%
127	8.903	8.873	8.924	VV	11037	279154	19.58%	0.575%
128	8.940	8.924	8.959	VV	9108	183392	12.86%	0.378%
129	8.988	8.959	9.013	VV	8790	257864	18.09%	0.531%
130	9.049	9.013	9.074	VV	11489	300398	21.07%	0.619%
131	9.092	9.074	9.134	VV	8152	241697	16.95%	0.498%
132	9.168	9.134	9.184	VV	7909	200925	14.09%	0.414%
133	9.200	9.184	9.216	VV	8714	145325	10.19%	0.299%
134	9.225	9.216	9.233	VV	7282	73610	5.16%	0.152%
135	9.264	9.233	9.304	VV	9546	337502	23.67%	0.695%
136	9.337	9.304	9.382	VV	16872	496139	34.80%	1.022%
137	9.417	9.382	9.444	VV	15191	377627	26.48%	0.778%
138	9.500	9.444	9.541	VV	14115	507891	35.62%	1.046%
139	9.579	9.541	9.630	VV	6955	336963	23.63%	0.694%
140	9.656	9.630	9.671	VV	8435	182367	12.79%	0.376%
141	9.699	9.671	9.727	VV	14609	365819	25.66%	0.753%

142	9.742	9.727	9.761	VV	11054	193803	13.59%	0.399%
143	9.772	9.761	9.783	VV	8681	112216	7.87%	0.231%
144	9.845	9.783	9.884	VV	10819	565051	39.63%	1.164%
145	9.913	9.884	9.931	VV	8093	217325	15.24%	0.448%
146	9.970	9.931	9.997	VV	9943	356683	25.02%	0.735%
147	10.018	9.997	10.050	VV	9993	274738	19.27%	0.566%
148	10.129	10.050	10.159	VV	51063	1164767	81.69%	2.399%
149	10.211	10.159	10.244	VV	11538	515117	36.13%	1.061%
150	10.275	10.244	10.299	VV	13196	322671	22.63%	0.665%
151	10.317	10.299	10.343	VV	8361	210258	14.75%	0.433%
152	10.409	10.343	10.440	VV	13580	581971	40.82%	1.199%
153	10.458	10.440	10.493	VV	12925	379497	26.62%	0.782%
154	10.506	10.493	10.521	VV	11649	192047	13.47%	0.396%
155	10.552	10.521	10.581	VV	88333	1425829	100.00%	2.936%
156	10.594	10.581	10.630	VV	13610	331903	23.28%	0.684%
157	10.671	10.630	10.682	VV	10735	310844	21.80%	0.640%
158	10.689	10.682	10.701	VV	10239	114521	8.03%	0.236%
159	10.742	10.701	10.783	VV	11575	506827	35.55%	1.044%
160	10.816	10.783	10.841	VV	12516	383883	26.92%	0.791%
161	10.871	10.841	10.911	VV	20974	562543	39.45%	1.159%
162	10.957	10.911	10.974	VV	11128	370510	25.99%	0.763%
163	11.008	10.974	11.022	VV	10662	289304	20.29%	0.596%
164	11.036	11.022	11.058	VV	10761	221749	15.55%	0.457%
165	11.099	11.058	11.112	VV	11056	336721	23.62%	0.693%
166	11.133	11.112	11.154	VV	11521	280780	19.69%	0.578%
167	11.176	11.154	11.221	VV	14327	479633	33.64%	0.988%
168	11.271	11.221	11.311	VV	53474	1189288	83.41%	2.449%
169	11.334	11.311	11.360	VV	11319	301910	21.17%	0.622%
170	11.379	11.360	11.397	VV	10137	208546	14.63%	0.430%
171	11.451	11.397	11.517	VV	13250	771889	54.14%	1.590%
172	11.548	11.517	11.566	VV	11374	290849	20.40%	0.599%
173	11.578	11.566	11.603	VV	11415	226859	15.91%	0.467%
174	11.621	11.603	11.650	VV	9850	264547	18.55%	0.545%
175	11.674	11.650	11.714	VV	10527	380218	26.67%	0.783%
176	11.733	11.714	11.764	VV	11623	310578	21.78%	0.640%
177	11.786	11.764	11.799	VV	10571	205216	14.39%	0.423%
178	11.828	11.799	11.901	VV	21706	771117	54.08%	1.588%
179	11.925	11.901	11.937	VV	9635	196555	13.79%	0.405%
180	11.961	11.937	12.024	VV	11182	498783	34.98%	1.027%
181	12.048	12.024	12.092	VV	9512	349550	24.52%	0.720%
182	12.150	12.092	12.184	VV	8788	449908	31.55%	0.927%
183	12.205	12.184	12.224	VV	8481	184503	12.94%	0.380%
184	12.235	12.224	12.244	VV	7528	92214	6.47%	0.190%
185	12.259	12.244	12.308	VV	7870	273104	19.15%	0.562%
186	12.355	12.308	12.381	VV	8327	330910	23.21%	0.682%
187	12.410	12.381	12.444	VV	10617	321630	22.56%	0.662%
188	12.489	12.444	12.537	VV	9654	413036	28.97%	0.851%
189	12.548	12.537	12.568	VV	6538	118762	8.33%	0.245%
190	12.591	12.568	12.612	VV	6970	173152	12.14%	0.357%
191	12.632	12.612	12.731	VV	7797	410021	28.76%	0.844%
192	12.764	12.731	12.798	VV	5565	205322	14.40%	0.423%
193	12.814	12.798	12.884	VV	5567	246010	17.25%	0.507%
194	12.929	12.884	12.954	VV	9505	252592	17.72%	0.520%

rteres

195	12.982	12.954	13.015	VV	9006	239667	16.81%	0.494%
196	13.031	13.015	13.083	VV	4854	172167	12.07%	0.355%
197	13.100	13.083	13.117	VV	3950	74976	5.26%	0.154%
198	13.144	13.117	13.181	VV	3876	140903	9.88%	0.290%
199	13.195	13.181	13.248	VV	3827	135430	9.50%	0.279%
200	13.261	13.248	13.284	VV	3393	68611	4.81%	0.141%
201	13.322	13.284	13.354	VV	4967	151894	10.65%	0.313%
202	13.371	13.354	13.389	VV	3405	66100	4.64%	0.136%
203	13.410	13.389	13.488	VV	3039	156549	10.98%	0.322%
204	13.507	13.488	13.522	VV	3224	60248	4.23%	0.124%
205	13.537	13.522	13.565	VV	3354	73262	5.14%	0.151%
206	13.594	13.565	13.654	VV	3576	138001	9.68%	0.284%
207	13.675	13.654	13.708	VV	2501	65030	4.56%	0.134%
208	13.765	13.708	13.803	VV	2136	102204	7.17%	0.210%
209	13.830	13.803	13.854	VV	2087	54827	3.85%	0.113%
210	13.917	13.854	13.958	VV	3026	122497	8.59%	0.252%
211	13.980	13.958	14.021	VV	1870	58072	4.07%	0.120%
212	14.066	14.021	14.119	VV	1893	85742	6.01%	0.177%
213	14.131	14.119	14.154	VV	1260	24183	1.70%	0.050%
214	14.183	14.154	14.223	VV	1674	46895	3.29%	0.097%
215	14.242	14.223	14.274	VV	973	25654	1.80%	0.053%
216	14.311	14.274	14.338	VV	1270	37374	2.62%	0.077%
217	14.372	14.338	14.453	VV	2007	73450	5.15%	0.151%
218	14.490	14.453	14.508	VV	1386	33648	2.36%	0.069%
219	14.520	14.508	14.584	VV	945	30400	2.13%	0.063%
220	14.625	14.584	14.663	VV	1353	34527	2.42%	0.071%
221	14.692	14.663	14.731	VV	798	22535	1.58%	0.046%
222	14.745	14.731	14.753	VV	330	3551	0.25%	0.007%
223	14.788	14.753	14.815	VV	866	23349	1.64%	0.048%
224	14.845	14.815	14.898	VV	813	27360	1.92%	0.056%
225	14.922	14.898	14.956	VV	954	19794	1.39%	0.041%
226	14.988	14.956	14.997	VV	395	7083	0.50%	0.015%
227	15.042	14.997	15.096	VV	800	30798	2.16%	0.063%
228	15.116	15.096	15.180	VV	665	20196	1.42%	0.042%
229	15.216	15.180	15.264	VV	755	23662	1.66%	0.049%
230	15.325	15.264	15.408	VV	1362	58960	4.14%	0.121%
231	15.429	15.408	15.464	VV	591	10993	0.77%	0.023%
232	15.521	15.464	15.538	PV	541	12277	0.86%	0.025%
233	15.553	15.538	15.584	VV	577	13545	0.95%	0.028%
234	15.613	15.584	15.668	VV	1565	41812	2.93%	0.086%
235	15.681	15.668	15.722	VV	474	11321	0.79%	0.023%
236	15.804	15.722	15.824	VV	1117	34226	2.40%	0.070%
237	15.839	15.824	15.881	VV	1038	22813	1.60%	0.047%
238	15.946	15.881	15.958	VV	498	14221	1.00%	0.029%
239	15.990	15.958	16.024	VV	1326	31749	2.23%	0.065%
240	16.035	16.024	16.072	VV	834	20152	1.41%	0.042%
241	16.127	16.072	16.154	VV	1531	54494	3.82%	0.112%
242	16.166	16.154	16.210	VV	1115	24593	1.72%	0.051%
243	16.245	16.210	16.265	VV	936	21351	1.50%	0.044%
244	16.284	16.265	16.311	VV	1282	24042	1.69%	0.050%
245	16.327	16.311	16.344	VV	739	12833	0.90%	0.026%
246	16.382	16.344	16.411	VV	777	25111	1.76%	0.052%

rteres

247	16.506	16.411	16.571	VV	1559	103764	7.28%	0.214%
248	16.614	16.571	16.658	VV	1290	53663	3.76%	0.111%
249	16.674	16.658	16.697	VV	858	17485	1.23%	0.036%
250	16.754	16.697	16.818	VV	2434	100431	7.04%	0.207%
251	16.848	16.818	16.868	VV	1239	31079	2.18%	0.064%
252	16.877	16.868	16.891	VV	1163	15267	1.07%	0.031%
253	16.918	16.891	16.939	VV	1211	32348	2.27%	0.067%
254	16.981	16.939	17.036	VV	2846	89516	6.28%	0.184%
255	17.074	17.036	17.096	VV	1340	37906	2.66%	0.078%
256	17.150	17.096	17.174	VV	1880	57230	4.01%	0.118%
257	17.202	17.174	17.248	VV	2439	57050	4.00%	0.117%
258	17.310	17.248	17.358	VV	2174	74594	5.23%	0.154%
259	17.386	17.358	17.424	VV	986	31666	2.22%	0.065%
260	17.435	17.424	17.458	VV	667	10520	0.74%	0.022%
261	17.477	17.458	17.504	VV	1083	22150	1.55%	0.046%
262	17.575	17.504	17.591	VV	1662	63609	4.46%	0.131%
263	17.634	17.591	17.659	VV	3495	79687	5.59%	0.164%
264	17.675	17.659	17.723	VV	1590	45368	3.18%	0.093%
265	17.771	17.723	17.846	VV	4474	151146	10.60%	0.311%
266	17.871	17.846	17.884	VV	1072	22854	1.60%	0.047%
267	17.922	17.884	17.953	VV	1384	46811	3.28%	0.096%
268	17.969	17.953	18.034	VV	1646	65570	4.60%	0.135%
269	18.059	18.034	18.085	VV	2930	55979	3.93%	0.115%
270	18.137	18.085	18.188	VV	5158	121749	8.54%	0.251%
271	18.197	18.188	18.229	VV	838	17719	1.24%	0.036%
272	18.258	18.229	18.271	VV	756	16009	1.12%	0.033%
273	18.291	18.271	18.312	VV	1059	21143	1.48%	0.044%
274	18.325	18.312	18.355	VV	1035	24709	1.73%	0.051%
275	18.363	18.355	18.389	VV	894	15048	1.06%	0.031%
276	18.468	18.389	18.530	VV	3334	101365	7.11%	0.209%
277	18.559	18.530	18.581	VV	2137	37284	2.61%	0.077%
278	18.607	18.581	18.630	VV	1606	31083	2.18%	0.064%
279	18.644	18.630	18.703	VV	967	34450	2.42%	0.071%
280	18.739	18.703	18.795	VV	1071	43900	3.08%	0.090%
281	18.811	18.795	18.834	VV	888	17554	1.23%	0.036%
282	18.865	18.834	18.924	VV	3250	94069	6.60%	0.194%
283	18.959	18.924	19.005	VV	1518	48352	3.39%	0.100%
284	19.055	19.005	19.091	VV	1750	65291	4.58%	0.134%
285	19.105	19.091	19.128	VV	1146	21024	1.47%	0.043%
286	19.167	19.128	19.184	VV	1039	31803	2.23%	0.065%
287	19.199	19.184	19.211	VV	1122	16552	1.16%	0.034%
288	19.251	19.211	19.338	VV	3774	144181	10.11%	0.297%
289	19.360	19.338	19.392	VV	1399	37520	2.63%	0.077%
290	19.482	19.392	19.495	VV	2106	97710	6.85%	0.201%
291	19.548	19.495	19.596	VV	2487	135516	9.50%	0.279%
292	19.623	19.596	19.644	VV	3727	88199	6.19%	0.182%
293	19.664	19.644	19.708	VV	3533	119888	8.41%	0.247%
294	19.830	19.708	19.914	VV	4813	466153	32.69%	0.960%
295	19.988	19.914	20.016	VV	4597	233064	16.35%	0.480%
296	20.044	20.016	20.071	VV	4220	129080	9.05%	0.266%
297	20.146	20.071	20.203	VV	4136	307672	21.58%	0.634%
298	20.265	20.203	20.281	VV	4822	205628	14.42%	0.423%
299	20.298	20.281	20.307	VV	4871	74598	5.23%	0.154%

rteres

300	20.341	20.307	20.416	VV	5852	333257	23.37%	0.686%
301	20.562	20.416	20.633	VV	5635	656494	46.04%	1.352%
302	20.663	20.633	20.683	VV	4661	138922	9.74%	0.286%
303	20.709	20.683	20.744	VV	5316	180082	12.63%	0.371%
304	20.767	20.744	20.817	VV	4851	206167	14.46%	0.425%
305	20.846	20.817	21.000	VV	4874	489771	34.35%	1.009%
306	21.037	21.000	21.076	VV	4357	189701	13.30%	0.391%
307	21.123	21.076	21.294	VV	4523	519603	36.44%	1.070%
308	21.297	21.294	21.311	VV	3349	32652	2.29%	0.067%
309	21.321	21.311	21.330	VV	3319	36893	2.59%	0.076%
310	21.426	21.330	21.438	VV	3797	228416	16.02%	0.470%
311	21.446	21.438	21.558	VV	3792	248656	17.44%	0.512%
312	21.592	21.558	21.628	VV	3519	137318	9.63%	0.283%
313	21.654	21.628	21.718	VV	3474	177299	12.43%	0.365%
314	21.767	21.718	21.784	VV	3388	130319	9.14%	0.268%
315	21.795	21.784	21.811	VV	3309	53047	3.72%	0.109%

Sum of corrected areas: 48555433

Aliphatic EPH 102324.M Wed Oct 30 05:38:38 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-02DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
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
FD048611.D	20	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	22.1		7.56	16.8	mg/kg
Aromatic C12-C16	Aromatic C12-C16	125		8.57	25.2	mg/kg
Aromatic C16-C21	Aromatic C16-C21	433		24.2	42.0	mg/kg
Aromatic C21-C36	Aromatic C21-C36	62.1	J	50.4	67.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	3.53		40 - 140	141%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.81		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.31		40 - 140	52%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-02DL2	Acq On:	28 Oct 2024 18:52
Client Sample ID:	EX-5-TPH-2DL2	Operator:	YP/AJ
Data file:	FD048611.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	2317599	13.153	200	ug/ml
Aromatic C12-C16	5.813	8.417	13195016	74.433	300	ug/ml
Aromatic C16-C21	8.418	12.677	42227577	257.748	500	ug/ml
Aromatic C21-C36	12.678	18.081	5643287	36.954	800	ug/ml
Aromatic EPH	4.094	18.081	63383479	382.288		ug/ml
2-Bromonaphthalene (SURR)	7.371	7.371	535619	3.53		ug/ml
2-Flurobiphenyl (SURR)	8.224	8.224	276369	2.81		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	223705	1.31		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048611.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 18:52
Operator : YP/AJ
Sample : P4518-02DL2 20X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.371	535619	3.529 ug/mlm
Spiked Amount 50.000		Recovery =	7.06%
6) S 2-Flurobiphenyl (SURR)	8.224	276369	2.815 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	5.63%
11) S ortho-Terphenyl (SURR)	11.254	223705	1.313 ug/mlm
Spiked Amount 50.000		Recovery =	2.63%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048611.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 18:52
Operator : YP/AJ
Sample : P4518-02DL2 20X
Misc :
ALS Vial : 74 Sample Multiplier: 1

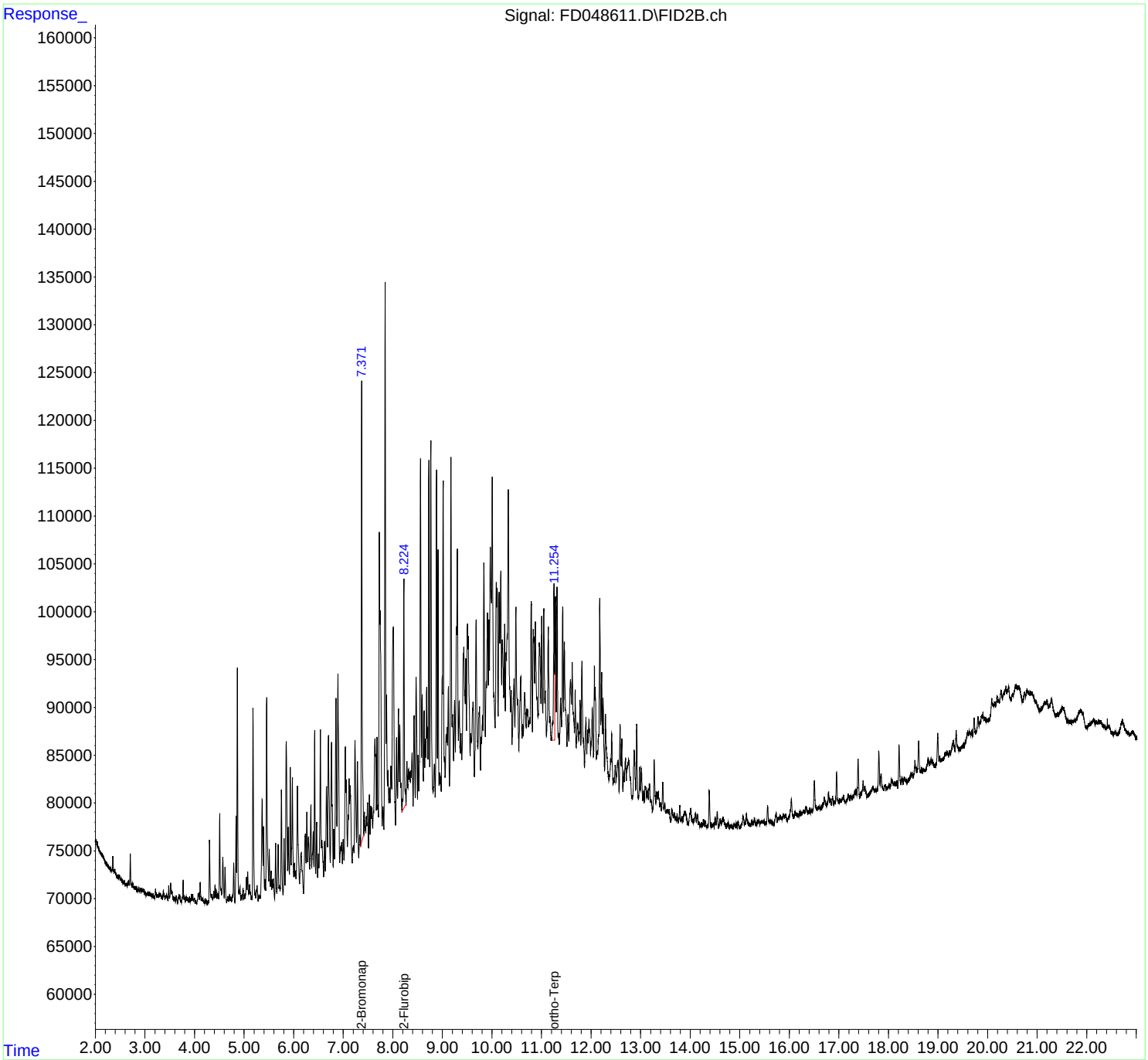
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

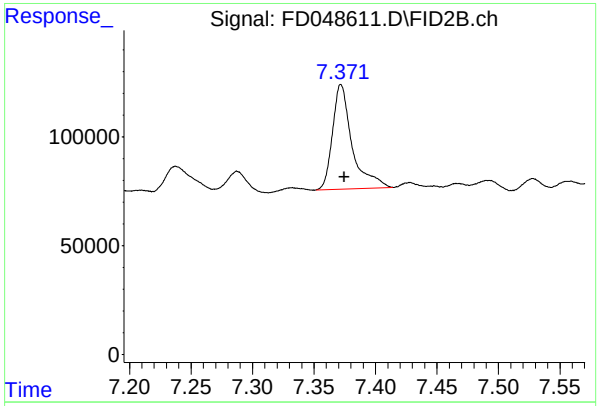
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





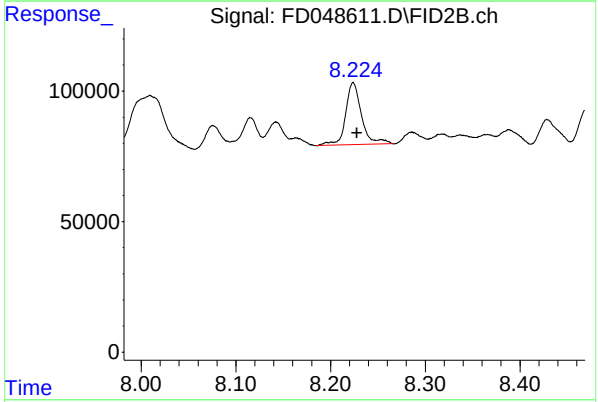
#4 2-Bromonaphthalene (SURR)

R.T.: 7.371 min
Delta R.T.: -0.003 mi
Response: 535619
Conc: 3.53 ug/m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

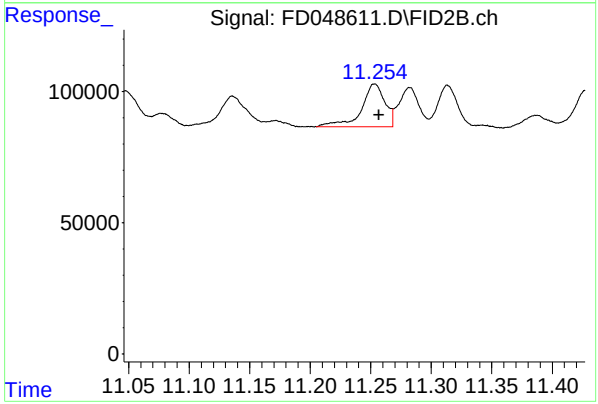
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.004 min
Response: 276369
Conc: 2.81 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.254 min
Delta R.T.: -0.003 min
Response: 223705
Conc: 1.31 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048611.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 18:52
Sample : P4518-02DL2 20X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.071	4.042	4.076	BV	1016	9253	0.87%	0.014%
2	4.088	4.076	4.100	VV	1158	12572	1.19%	0.020%
3	4.113	4.100	4.142	VV	2195	27717	2.61%	0.043%
4	4.147	4.142	4.156	VV	513	3795	0.36%	0.006%
5	4.173	4.156	4.191	VV	505	7262	0.68%	0.011%
6	4.199	4.191	4.210	VV	277	2091	0.20%	0.003%
7	4.220	4.210	4.246	VV	533	6891	0.65%	0.011%
8	4.250	4.246	4.267	VV	216	1100	0.10%	0.002%
9	4.273	4.267	4.284	PV	331	2233	0.21%	0.003%
10	4.302	4.284	4.338	VV	6682	78270	7.38%	0.122%
11	4.349	4.338	4.372	VV	989	14902	1.40%	0.023%
12	4.387	4.372	4.398	VV	1188	14534	1.37%	0.023%
13	4.412	4.398	4.424	VV	1958	19368	1.83%	0.030%
14	4.434	4.424	4.452	VV	1415	17198	1.62%	0.027%
15	4.464	4.452	4.490	VV	1050	17955	1.69%	0.028%
16	4.507	4.490	4.545	VV	9422	107304	10.12%	0.167%
17	4.570	4.545	4.597	VV	4819	72358	6.82%	0.113%
18	4.616	4.597	4.649	VV	3713	43875	4.14%	0.068%
19	4.677	4.649	4.695	VV	616	10021	0.94%	0.016%
20	4.707	4.695	4.720	VV	826	8489	0.80%	0.013%
21	4.734	4.720	4.744	VV	609	5649	0.53%	0.009%
22	4.766	4.744	4.772	VV	811	7904	0.75%	0.012%
23	4.790	4.772	4.810	VV	4077	41784	3.94%	0.065%
24	4.838	4.810	4.849	PV	9022	81721	7.70%	0.128%
25	4.864	4.849	4.899	VV	24536	251593	23.72%	0.393%
26	4.915	4.899	4.935	VV	1591	20824	1.96%	0.033%
27	4.944	4.935	4.962	VV	690	8426	0.79%	0.013%
28	4.978	4.962	4.995	VV	1430	17256	1.63%	0.027%
29	5.004	4.995	5.019	VV	718	7786	0.73%	0.012%
30	5.047	5.019	5.059	VV	2519	33909	3.20%	0.053%
31	5.073	5.059	5.088	VV	3092	35425	3.34%	0.055%
32	5.112	5.088	5.124	VV	1787	25876	2.44%	0.040%
33	5.128	5.124	5.141	VV	908	7134	0.67%	0.011%
34	5.154	5.141	5.160	VV	469	4105	0.39%	0.006%
35	5.180	5.160	5.216	VV	20145	225610	21.27%	0.352%
36	5.223	5.216	5.237	VV	840	8211	0.77%	0.013%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.262	5.237	5.282	VV	1602	25051	2.36%	0.039%
38	5.304	5.282	5.314	PV	627	6713	0	
39	5.363	5.314	5.383	VV	10454	164886	15	
40	5.394	5.383	5.410	VV	7709	78380	7	
41	5.422	5.410	5.437	VV	2189	25443	2	
42	5.454	5.437	5.495	VV	21082	283400	26	
43	5.508	5.495	5.531	VV	5315	64045	6.04%	0.100%
44	5.545	5.531	5.558	VV	2956	32599	3.07%	0.051%
45	5.568	5.558	5.578	VV	1932	18794	1.77%	0.029%
46	5.590	5.578	5.615	VV	2138	26258	2.48%	0.041%
47	5.637	5.615	5.661	PV	5776	62680	5.91%	0.098%
48	5.687	5.661	5.705	VV	5652	73334	6.91%	0.114%
49	5.712	5.705	5.727	VV	1324	14008	1.32%	0.022%
50	5.753	5.727	5.785	VV	11281	137744	12.99%	0.215%
51	5.807	5.785	5.826	VV	6136	65688	6.19%	0.103%
52	5.850	5.826	5.878	VV	16183	269078	25.37%	0.420%
53	5.891	5.878	5.915	VV	7250	96736	9.12%	0.151%
54	5.932	5.915	5.948	VV	13453	144006	13.58%	0.225%
55	5.974	5.948	6.001	VV	12249	188630	17.78%	0.294%
56	6.013	6.001	6.029	VV	3409	44637	4.21%	0.070%
57	6.033	6.029	6.047	VV	2495	24857	2.34%	0.039%
58	6.076	6.047	6.119	VV	11264	216399	20.40%	0.338%
59	6.149	6.119	6.200	VV	4353	120854	11.39%	0.189%
60	6.236	6.200	6.249	VV	6239	114339	10.78%	0.178%
61	6.267	6.249	6.282	VV	8516	116493	10.98%	0.182%
62	6.298	6.282	6.322	VV	5965	109170	10.29%	0.170%
63	6.346	6.322	6.364	VV	9272	138085	13.02%	0.216%
64	6.394	6.364	6.408	VV	6379	114958	10.84%	0.179%
65	6.424	6.408	6.446	VV	16970	183499	17.30%	0.286%
66	6.464	6.446	6.484	VV	7376	96020	9.05%	0.150%
67	6.500	6.484	6.510	VV	3984	46917	4.42%	0.073%
68	6.540	6.510	6.556	VV	16953	233953	22.06%	0.365%
69	6.565	6.556	6.606	VV	5153	113723	10.72%	0.177%
70	6.624	6.606	6.639	VV	5189	70304	6.63%	0.110%
71	6.662	6.639	6.683	VV	10936	182194	17.18%	0.284%
72	6.701	6.683	6.739	VV	16179	311944	29.41%	0.487%
73	6.764	6.739	6.797	VV	15482	301329	28.41%	0.470%
74	6.811	6.797	6.826	VV	6341	76331	7.20%	0.119%
75	6.854	6.826	6.873	VV	19951	318029	29.98%	0.496%
76	6.893	6.873	6.930	VV	22545	417232	39.33%	0.651%
77	6.950	6.930	6.958	VV	4458	66380	6.26%	0.104%
78	6.968	6.958	6.983	VV	4869	60245	5.68%	0.094%
79	7.000	6.983	7.019	VV	5151	83724	7.89%	0.131%
80	7.042	7.019	7.053	VV	14783	194000	18.29%	0.303%
81	7.061	7.053	7.085	VV	11318	160743	15.15%	0.251%
82	7.100	7.085	7.106	VV	7579	75816	7.15%	0.118%
83	7.119	7.106	7.130	VV	11390	140420	13.24%	0.219%
84	7.140	7.130	7.182	VV	10611	215921	20.36%	0.337%
85	7.209	7.182	7.218	VV	4351	84186	7.94%	0.131%
86	7.238	7.218	7.270	VV	15254	287340	27.09%	0.448%
87	7.288	7.270	7.313	VV	12998	190472	17.96%	0.297%
88	7.332	7.313	7.349	VV	5327	98274	9.26%	0.153%
89	7.372	7.349	7.415	VV	52836	722789	68.14%	1.128%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

90	7.428	7.415	7.442	VV	7703	107463	10.13%	0.168%
91	7.448	7.442	7.455	VV	6134	47183		
92	7.466	7.455	7.476	VV	7172	84405		
93	7.492	7.476	7.510	VV	8513	139283		
94	7.528	7.510	7.543	VV	9404	132082		
95	7.558	7.543	7.569	VV	8149	111535		
96	7.579	7.569	7.594	VV	7970	107212	10.11%	0.167%
97	7.640	7.594	7.669	VV	15201	485677	45.79%	0.758%
98	7.683	7.669	7.697	VV	15321	186371	17.57%	0.291%
99	7.702	7.697	7.710	VV	8197	60501	5.70%	0.094%
100	7.729	7.710	7.739	VV	36622	401420	37.84%	0.627%
101	7.744	7.739	7.788	VV	28546	521514	49.17%	0.814%
102	7.804	7.788	7.819	VV	7971	132744	12.51%	0.207%
103	7.846	7.819	7.864	VV	62335	790461	74.52%	1.234%
104	7.874	7.864	7.893	VV	19625	263561	24.85%	0.411%
105	7.904	7.893	7.920	VV	11556	165841	15.63%	0.259%
106	7.935	7.920	7.946	VV	9836	142015	13.39%	0.222%
107	7.961	7.946	7.978	VV	12073	203696	19.20%	0.318%
108	8.009	7.978	8.056	VV	26516	769922	72.58%	1.202%
109	8.076	8.056	8.094	VV	14930	240871	22.71%	0.376%
110	8.116	8.094	8.129	VV	17953	267314	25.20%	0.417%
111	8.142	8.129	8.160	VV	16246	243480	22.95%	0.380%
112	8.163	8.160	8.185	VV	10173	131359	12.38%	0.205%
113	8.224	8.185	8.249	VV	31336	548179	51.68%	0.856%
114	8.253	8.249	8.268	VV	9408	100357	9.46%	0.157%
115	8.286	8.268	8.303	VV	12228	219412	20.69%	0.342%
116	8.318	8.303	8.327	VV	11502	160125	15.10%	0.250%
117	8.337	8.327	8.353	VV	11165	162936	15.36%	0.254%
118	8.365	8.353	8.374	VV	11276	140541	13.25%	0.219%
119	8.389	8.374	8.412	VV	13135	245708	23.16%	0.384%
120	8.429	8.412	8.453	VV	16945	309921	29.22%	0.484%
121	8.471	8.453	8.499	VV	20873	400864	37.79%	0.626%
122	8.512	8.499	8.525	VV	12777	169871	16.01%	0.265%
123	8.559	8.525	8.581	VV	43674	726855	68.52%	1.134%
124	8.594	8.581	8.617	VV	19023	314726	29.67%	0.491%
125	8.632	8.617	8.645	VV	17352	236989	22.34%	0.370%
126	8.659	8.645	8.669	VV	14375	187520	17.68%	0.293%
127	8.683	8.669	8.695	VV	19795	256099	24.14%	0.400%
128	8.701	8.695	8.711	VV	15266	140135	13.21%	0.219%
129	8.728	8.711	8.746	VV	43382	521607	49.17%	0.814%
130	8.768	8.746	8.814	VV	45460	819304	77.24%	1.279%
131	8.838	8.814	8.857	VV	11587	258523	24.37%	0.404%
132	8.882	8.857	8.900	VV	42255	584796	55.13%	0.913%
133	8.914	8.900	8.933	VV	33935	416843	39.30%	0.651%
134	8.943	8.933	8.957	VV	10543	140639	13.26%	0.220%
135	8.964	8.957	8.977	VV	10166	116046	10.94%	0.181%
136	8.996	8.977	9.001	VV	20521	223359	21.06%	0.349%
137	9.017	9.001	9.039	VV	41080	576745	54.37%	0.900%
138	9.044	9.039	9.057	VV	12197	124866	11.77%	0.195%
139	9.076	9.057	9.085	VV	14511	216682	20.43%	0.338%
140	9.096	9.085	9.105	VV	15249	174901	16.49%	0.273%
141	9.122	9.105	9.146	VV	19490	347554	32.77%	0.542%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.174	9.146	9.197	VV	43336	716772	67.57%	1.119%
143	9.206	9.197	9.227	VV	16424	270017	25	
144	9.248	9.227	9.264	VV	17877	329979	31	
145	9.285	9.264	9.290	VV	25579	312886	29	
146	9.303	9.290	9.324	VV	33823	511783	48	
147	9.341	9.324	9.363	VV	17795	349491	32	
148	9.378	9.363	9.393	VV	14312	233650	22.03%	0.365%
149	9.423	9.393	9.427	VV	22694	342875	32.32%	0.535%
150	9.434	9.427	9.462	VV	23354	419234	39.52%	0.654%
151	9.474	9.462	9.488	VV	22150	300211	28.30%	0.469%
152	9.506	9.488	9.517	VV	25761	381695	35.98%	0.596%
153	9.523	9.517	9.561	VV	24479	495993	46.76%	0.774%
154	9.574	9.561	9.587	VV	14216	203735	19.21%	0.318%
155	9.622	9.587	9.646	VV	17472	528015	49.78%	0.824%
156	9.682	9.646	9.718	VV	26009	719584	67.84%	1.123%
157	9.750	9.718	9.771	VV	16889	460276	43.39%	0.718%
158	9.785	9.771	9.793	VV	13680	169693	16.00%	0.265%
159	9.810	9.793	9.821	VV	15926	246817	23.27%	0.385%
160	9.839	9.821	9.867	VV	31775	600462	56.61%	0.937%
161	9.885	9.867	9.891	VV	19418	255547	24.09%	0.399%
162	9.912	9.891	9.928	VV	26598	508926	47.98%	0.794%
163	9.942	9.928	9.952	VV	25810	319446	30.12%	0.499%
164	9.969	9.952	9.992	VV	33354	687518	64.82%	1.073%
165	10.007	9.992	10.064	VV	40705	1060728	100.00%	1.656%
166	10.088	10.064	10.097	VV	29566	454821	42.88%	0.710%
167	10.106	10.097	10.126	VV	28810	424223	39.99%	0.662%
168	10.145	10.126	10.161	VV	28515	485137	45.74%	0.757%
169	10.180	10.161	10.196	VV	30779	542580	51.15%	0.847%
170	10.209	10.196	10.242	VV	23481	578297	54.52%	0.903%
171	10.257	10.242	10.271	VV	25105	361087	34.04%	0.564%
172	10.287	10.271	10.294	VV	22165	274945	25.92%	0.429%
173	10.308	10.294	10.313	VV	23949	267561	25.22%	0.418%
174	10.331	10.313	10.377	VV	39075	976046	92.02%	1.523%
175	10.391	10.377	10.406	VV	18113	277368	26.15%	0.433%
176	10.446	10.406	10.464	VV	19312	565319	53.30%	0.882%
177	10.485	10.464	10.517	VV	26839	624317	58.86%	0.974%
178	10.523	10.517	10.543	VV	17124	233039	21.97%	0.364%
179	10.582	10.543	10.608	VV	19360	616972	58.16%	0.963%
180	10.622	10.608	10.635	VV	14390	225860	21.29%	0.353%
181	10.660	10.635	10.692	VV	17678	533197	50.27%	0.832%
182	10.703	10.692	10.712	VV	15822	186295	17.56%	0.291%
183	10.718	10.712	10.742	VV	15824	266511	25.13%	0.416%
184	10.765	10.742	10.772	VV	14869	264689	24.95%	0.413%
185	10.794	10.772	10.817	VV	27126	560868	52.88%	0.875%
186	10.835	10.817	10.862	VV	24063	552812	52.12%	0.863%
187	10.877	10.862	10.926	VV	24921	746068	70.34%	1.164%
188	10.960	10.926	10.989	VV	22652	712500	67.17%	1.112%
189	11.004	10.989	11.026	VV	25399	447429	42.18%	0.698%
190	11.047	11.026	11.068	VV	26147	523009	49.31%	0.816%
191	11.077	11.068	11.100	VV	17531	295860	27.89%	0.462%
192	11.136	11.100	11.164	VV	24154	655692	61.82%	1.023%
193	11.171	11.164	11.203	VV	14829	319157	30.09%	0.498%
194	11.253	11.203	11.268	VV	28633	700926	66.08%	1.094%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.282	11.268	11.298	VV	27307	391712	36.93%	0.611%
196	11.314	11.298	11.337	VV	28159	461022	43	
197	11.342	11.337	11.360	VV	12870	173829	16	
198	11.387	11.360	11.405	VV	16538	383460	36	
199	11.428	11.405	11.446	VV	26032	476072	44	
200	11.461	11.446	11.514	VV	22428	670174	63	
201	11.535	11.514	11.551	VV	14687	294172	27.73%	0.459%
202	11.586	11.551	11.607	VV	18383	535523	50.49%	0.836%
203	11.620	11.607	11.664	VV	20076	542631	51.16%	0.847%
204	11.681	11.664	11.698	VV	17188	293922	27.71%	0.459%
205	11.723	11.698	11.730	VV	13558	238449	22.48%	0.372%
206	11.735	11.730	11.752	VV	13488	167429	15.78%	0.261%
207	11.780	11.752	11.794	VV	16046	341980	32.24%	0.534%
208	11.815	11.794	11.867	VV	20085	600493	56.61%	0.937%
209	11.896	11.867	11.914	VV	14194	332533	31.35%	0.519%
210	11.930	11.914	11.940	VV	12705	181269	17.09%	0.283%
211	11.957	11.940	11.990	VV	13876	373303	35.19%	0.583%
212	12.024	11.990	12.050	VV	14984	429821	40.52%	0.671%
213	12.068	12.050	12.080	VV	19395	278439	26.25%	0.435%
214	12.086	12.080	12.111	VV	16940	253941	23.94%	0.396%
215	12.125	12.111	12.130	VV	10466	118365	11.16%	0.185%
216	12.175	12.130	12.195	VV	26344	612023	57.70%	0.955%
217	12.212	12.195	12.228	VV	18588	309053	29.14%	0.482%
218	12.243	12.228	12.272	VV	15829	328684	30.99%	0.513%
219	12.291	12.272	12.362	VV	14199	527728	49.75%	0.824%
220	12.397	12.362	12.404	VV	9495	211770	19.96%	0.331%
221	12.417	12.404	12.442	VV	12079	221889	20.92%	0.346%
222	12.454	12.442	12.462	VV	7339	86886	8.19%	0.136%
223	12.487	12.462	12.502	VV	8686	183891	17.34%	0.287%
224	12.544	12.502	12.564	VV	9028	298269	28.12%	0.466%
225	12.585	12.564	12.606	VV	12908	241136	22.73%	0.376%
226	12.621	12.606	12.642	VV	11383	188807	17.80%	0.295%
227	12.659	12.642	12.669	VV	7806	116139	10.95%	0.181%
228	12.694	12.669	12.712	VV	9189	209255	19.73%	0.327%
229	12.756	12.712	12.790	VV	9159	387365	36.52%	0.605%
230	12.795	12.790	12.820	VV	7263	111308	10.49%	0.174%
231	12.828	12.820	12.835	VV	5226	44627	4.21%	0.070%
232	12.870	12.835	12.900	VV	9933	296400	27.94%	0.463%
233	12.919	12.900	12.954	VV	12664	258598	24.38%	0.404%
234	12.982	12.954	12.997	VV	8095	164277	15.49%	0.256%
235	13.015	12.997	13.038	VV	7917	160781	15.16%	0.251%
236	13.057	13.038	13.071	VV	5505	100096	9.44%	0.156%
237	13.094	13.071	13.121	VV	6004	161047	15.18%	0.251%
238	13.137	13.121	13.154	VV	5546	100972	9.52%	0.158%
239	13.174	13.154	13.209	VV	6194	172003	16.22%	0.268%
240	13.211	13.209	13.239	VV	4489	71420	6.73%	0.111%
241	13.273	13.239	13.303	VV	8650	212263	20.01%	0.331%
242	13.319	13.303	13.335	VV	5209	92014	8.67%	0.144%
243	13.355	13.335	13.404	VV	5224	181686	17.13%	0.284%
244	13.407	13.404	13.419	VV	4078	33050	3.12%	0.052%
245	13.445	13.419	13.475	VV	6147	147705	13.92%	0.231%
246	13.487	13.475	13.505	VV	3907	65681	6.19%	0.103%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.527	13.505	13.535	VV	3185	55878	5.27%	0.087%
248	13.540	13.535	13.546	VV	3250	19263	[illegible]	
249	13.553	13.546	13.563	VV	3261	31913	[illegible]	
250	13.575	13.563	13.608	VV	3197	70728	[illegible]	
251	13.628	13.608	13.665	VV	3244	91737	[illegible]	
252	13.680	13.665	13.698	VV	2829	50354	[illegible]	
253	13.710	13.698	13.723	VV	2422	32660	3.08%	0.051%
254	13.734	13.723	13.753	VV	2649	40707	3.84%	0.064%
255	13.787	13.753	13.810	VV	3492	83708	7.89%	0.131%
256	13.816	13.810	13.824	VV	2065	17235	1.62%	0.027%
257	13.838	13.824	13.854	VV	2330	35688	3.36%	0.056%
258	13.889	13.854	13.950	VV	2748	131461	12.39%	0.205%
259	13.954	13.950	13.967	VV	1568	14335	1.35%	0.022%
260	14.009	13.967	14.052	VV	2971	111699	10.53%	0.174%
261	14.068	14.052	14.079	VV	1827	26487	2.50%	0.041%
262	14.105	14.079	14.126	VV	2422	57803	5.45%	0.090%
263	14.146	14.126	14.165	VV	2368	43410	4.09%	0.068%
264	14.176	14.165	14.197	VV	1477	25093	2.37%	0.039%
265	14.225	14.197	14.242	VV	1294	30389	2.86%	0.047%
266	14.270	14.242	14.290	VV	1637	36866	3.48%	0.058%
267	14.308	14.290	14.321	VV	1431	23208	2.19%	0.036%
268	14.325	14.321	14.335	VV	1021	8031	0.76%	0.013%
269	14.352	14.335	14.360	VV	1063	14157	1.33%	0.022%
270	14.384	14.360	14.441	VV	4626	91259	8.60%	0.142%
271	14.450	14.441	14.459	VV	1062	9602	0.91%	0.015%
272	14.474	14.459	14.484	VV	1135	14332	1.35%	0.022%
273	14.503	14.484	14.523	VV	1704	30445	2.87%	0.048%
274	14.545	14.523	14.571	VV	2329	39289	3.70%	0.061%
275	14.606	14.571	14.623	VV	1412	32528	3.07%	0.051%
276	14.648	14.623	14.655	VV	1392	22965	2.17%	0.036%
277	14.665	14.655	14.729	VV	1516	43586	4.11%	0.068%
278	14.768	14.729	14.784	VV	997	24098	2.27%	0.038%
279	14.793	14.784	14.806	VV	624	7238	0.68%	0.011%
280	14.812	14.806	14.848	VV	617	12813	1.21%	0.020%
281	14.852	14.848	14.864	VV	497	3986	0.38%	0.006%
282	14.889	14.864	14.909	VV	736	15126	1.43%	0.024%
283	14.932	14.909	14.950	VV	776	13541	1.28%	0.021%
284	14.968	14.950	15.015	VV	912	19017	1.79%	0.030%
285	15.063	15.015	15.092	VV	1470	38290	3.61%	0.060%
286	15.099	15.092	15.103	VV	698	3937	0.37%	0.006%
287	15.134	15.103	15.170	VV	1582	36739	3.46%	0.057%
288	15.180	15.170	15.186	VV	696	5258	0.50%	0.008%
289	15.190	15.186	15.197	VV	503	3033	0.29%	0.005%
290	15.204	15.197	15.211	VV	536	3720	0.35%	0.006%
291	15.216	15.211	15.221	VV	390	1931	0.18%	0.003%
292	15.241	15.221	15.249	VV	814	9812	0.93%	0.015%
293	15.251	15.249	15.262	VV	651	4588	0.43%	0.007%
294	15.273	15.262	15.278	VV	664	5496	0.52%	0.009%
295	15.293	15.278	15.311	VV	1009	14165	1.34%	0.022%
296	15.317	15.311	15.324	VV	504	3211	0.30%	0.005%
297	15.327	15.324	15.332	VV	394	1830	0.17%	0.003%
298	15.371	15.332	15.380	VV	776	15327	1.44%	0.024%
299	15.388	15.380	15.411	VV	743	9763	0.92%	0.015%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

300	15.447	15.411	15.504	VV	636	27706	2.61%	0.043%
301	15.520	15.504	15.530	VV	478	5615		
302	15.560	15.530	15.593	VV	2151	37758		
303	15.618	15.593	15.625	VV	505	8273		
304	15.634	15.625	15.654	VV	529	5384		
305	15.669	15.654	15.693	VV	351	3933		
306	15.731	15.693	15.752	PV	1179	24771	2.34%	0.039%
307	15.785	15.752	15.792	VV	623	11731	1.11%	0.018%
308	15.810	15.792	15.816	VV	826	9474	0.89%	0.015%
309	15.826	15.816	15.850	VV	668	10969	1.03%	0.017%
310	15.854	15.850	15.857	VV	453	1876	0.18%	0.003%
311	15.876	15.857	15.899	VV	905	15878	1.50%	0.025%
312	15.930	15.899	15.949	VV	747	16216	1.53%	0.025%
313	15.984	15.961	15.995	VV	321	5011	0.47%	0.008%
314	16.041	15.995	16.081	VV	2160	47955	4.52%	0.075%
315	16.109	16.081	16.130	VV	636	11675	1.10%	0.018%
316	16.143	16.130	16.151	VV	571	5444	0.51%	0.008%
317	16.157	16.151	16.164	VV	406	2593	0.24%	0.004%
318	16.171	16.164	16.186	VV	401	4075	0.38%	0.006%
319	16.191	16.186	16.196	VV	320	1807	0.17%	0.003%
320	16.213	16.196	16.232	VV	591	8425	0.79%	0.013%
321	16.236	16.232	16.239	VV	420	1480	0.14%	0.002%
322	16.242	16.239	16.258	VV	448	3802	0.36%	0.006%
323	16.287	16.258	16.305	VV	637	12911	1.22%	0.020%
324	16.310	16.305	16.315	VV	486	2479	0.23%	0.004%
325	16.334	16.315	16.369	VV	939	19626	1.85%	0.031%
326	16.383	16.369	16.393	VV	458	4045	0.38%	0.006%
327	16.415	16.393	16.430	VV	607	9235	0.87%	0.014%
328	16.440	16.430	16.449	VV	359	3423	0.32%	0.005%
329	16.452	16.449	16.466	VV	427	3392	0.32%	0.005%
330	16.506	16.466	16.556	VV	3408	64175	6.05%	0.100%
331	16.561	16.556	16.575	VV	481	4655	0.44%	0.007%
332	16.582	16.575	16.588	VV	560	3265	0.31%	0.005%
333	16.606	16.588	16.627	VV	592	9274	0.87%	0.014%
334	16.646	16.627	16.655	VV	573	5526	0.52%	0.009%
335	16.673	16.655	16.685	VV	753	9630	0.91%	0.015%
336	16.689	16.685	16.692	VV	837	2999	0.28%	0.005%
337	16.704	16.692	16.747	VV	1365	27608	2.60%	0.043%
338	16.752	16.747	16.757	VV	518	3029	0.29%	0.005%
339	16.792	16.757	16.808	VV	1745	31390	2.96%	0.049%
340	16.825	16.808	16.847	VV	987	17981	1.70%	0.028%
341	16.873	16.847	16.879	VV	1086	14902	1.40%	0.023%
342	16.882	16.879	16.902	VV	960	8248	0.78%	0.013%
343	16.912	16.902	16.917	VV	614	4039	0.38%	0.006%
344	16.922	16.917	16.931	VV	561	3992	0.38%	0.006%
345	16.953	16.931	16.990	VV	3533	55162	5.20%	0.086%
346	17.000	16.990	17.007	VV	439	3905	0.37%	0.006%
347	17.015	17.007	17.040	VV	722	10511	0.99%	0.016%
348	17.046	17.040	17.060	VV	472	5013	0.47%	0.008%
349	17.100	17.060	17.112	VV	940	20310	1.91%	0.032%
350	17.116	17.112	17.132	VV	412	3454	0.33%	0.005%
351	17.149	17.132	17.169	VV	412	6802	0.64%	0.011%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-2DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
352	17.188	17.169	17.219	VV	922	18344	1.73%	0.029%
353	17.234	17.219	17.268	VV	709	14711	1	
354	17.287	17.268	17.298	VV	732	9014	0	
355	17.316	17.298	17.334	VV	1138	16729	1	
356	17.344	17.334	17.362	VV	1175	14968	1	
357	17.386	17.362	17.418	VV	4262	64089	6	
358	17.443	17.418	17.456	VV	688	10677	1.01%	0.017%
359	17.486	17.456	17.505	VV	1868	32999	3.11%	0.052%
360	17.518	17.505	17.521	VV	1160	10475	0.99%	0.016%
361	17.527	17.521	17.565	VV	1193	16742	1.58%	0.026%
362	17.590	17.565	17.597	PV	415	3228	0.30%	0.005%
363	17.626	17.604	17.631	VV	433	4755	0.45%	0.007%
364	17.661	17.631	17.667	VV	776	11303	1.07%	0.018%
365	17.679	17.667	17.720	VV	910	21738	2.05%	0.034%
366	17.748	17.720	17.765	VV	611	12611	1.19%	0.020%
367	17.806	17.765	17.832	VV	4374	75979	7.16%	0.119%
368	17.854	17.832	17.905	VV	1987	42612	4.02%	0.067%
369	17.909	17.905	17.913	VV	374	1442	0.14%	0.002%
370	17.930	17.913	17.950	VV	790	12338	1.16%	0.019%
371	17.966	17.950	17.977	VV	511	6246	0.59%	0.010%
372	17.981	17.977	17.993	VV	372	3286	0.31%	0.005%
373	18.013	17.993	18.022	VV	583	8901	0.84%	0.014%
374	18.028	18.022	18.036	VV	548	3926	0.37%	0.006%
375	18.059	18.036	18.085	VV	1091	23059	2.17%	0.036%
376	18.089	18.085	18.095	VV	870	4261	0.40%	0.007%
377	18.115	18.095	18.127	VV	774	11490	1.08%	0.018%
378	18.134	18.127	18.138	VV	506	3099	0.29%	0.005%
379	18.145	18.138	18.154	VV	709	4368	0.41%	0.007%
380	18.177	18.154	18.186	VV	726	10598	1.00%	0.017%
381	18.213	18.186	18.249	PV	4281	62589	5.90%	0.098%
382	18.270	18.249	18.292	VV	734	11490	1.08%	0.018%
383	18.319	18.292	18.342	PV	530	7977	0.75%	0.012%

Sum of corrected areas: 64069360

Aromatic EPH 102324.M Wed Oct 30 03:21:42 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/23/24
Project:	North Point			Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3			SDG No.:	P4518
Lab Sample ID:	P4518-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.1
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/25/24 17:30	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	23.1		1	0.45	1.19	mg/kg	FC067528.D
Aliphatic C12-C16	Aliphatic C12-C16	165		20	5.70	15.8	mg/kg	FC067555.D
Aliphatic C16-C21	Aliphatic C16-C21	194		20	7.13	23.8	mg/kg	FC067555.D
Aliphatic C21-C28	Aliphatic C21-C28	48.9		5	4.75	7.92	mg/kg	FC067554.D
Aliphatic C28-C40	Aliphatic C28-C40	64.3		5	10.7	11.9	mg/kg	FC067554.D
Aromatic C10-C12	Aromatic C10-C12	8.24		1	0.36	0.79	mg/kg	FD048591.D
Aromatic C12-C16	Aromatic C12-C16	73.3		10	4.04	11.9	mg/kg	FD048612.D
Aromatic C16-C21	Aromatic C16-C21	251		10	11.4	19.8	mg/kg	FD048612.D
Aromatic C21-C36	Aromatic C21-C36	46.4		1	2.38	3.17	mg/kg	FD048591.D
Total AliphaticEPH	Total AliphaticEPH	495			28.7	60.6	mg/kg	
Total AromaticEPH	Total AromaticEPH	379			18.2	35.7	mg/kg	
Total EPH	Total EPH	874			46.9	96.3	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3		SDG No.:	P4518	
Lab Sample ID:	P4518-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FC067528.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	23.1		0.45	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	159	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	195	E	0.36	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	64.0	E	0.95	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.6	E	2.14	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.7		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-03	Acq On:	25 Oct 2024 17:30
Client Sample ID:	EX-5-TPH-3	Operator:	YP/AJ
Data file:	FC067528.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	39510283	291.654	300	ug/ml
Aliphatic C12-C16	6.454	9.843	265627879	2020	200	ug/ml
Aliphatic C16-C21	9.844	13.201	314391084	2470	300	ug/ml
Aliphatic C21-C28	13.202	16.856	96978920	807.549	400	ug/ml
Aliphatic C28-C40	16.857	21.702	92710265	917.077	600	ug/ml
Aliphatic EPH	3.173	21.702	809218431	6500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.939	12.939	2448698	22.68		ug/ml
Aliphatic C9-C28	3.173	16.856	716508166	5590	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067528.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 17:30
Operator : YP/AJ
Sample : P4518-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 26 00:48:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.939	2448698	22.676 ug/mlm
Spiked Amount 50.000		Recovery = 45.35%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067528.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 17:30
Operator : YP/AJ
Sample : P4518-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

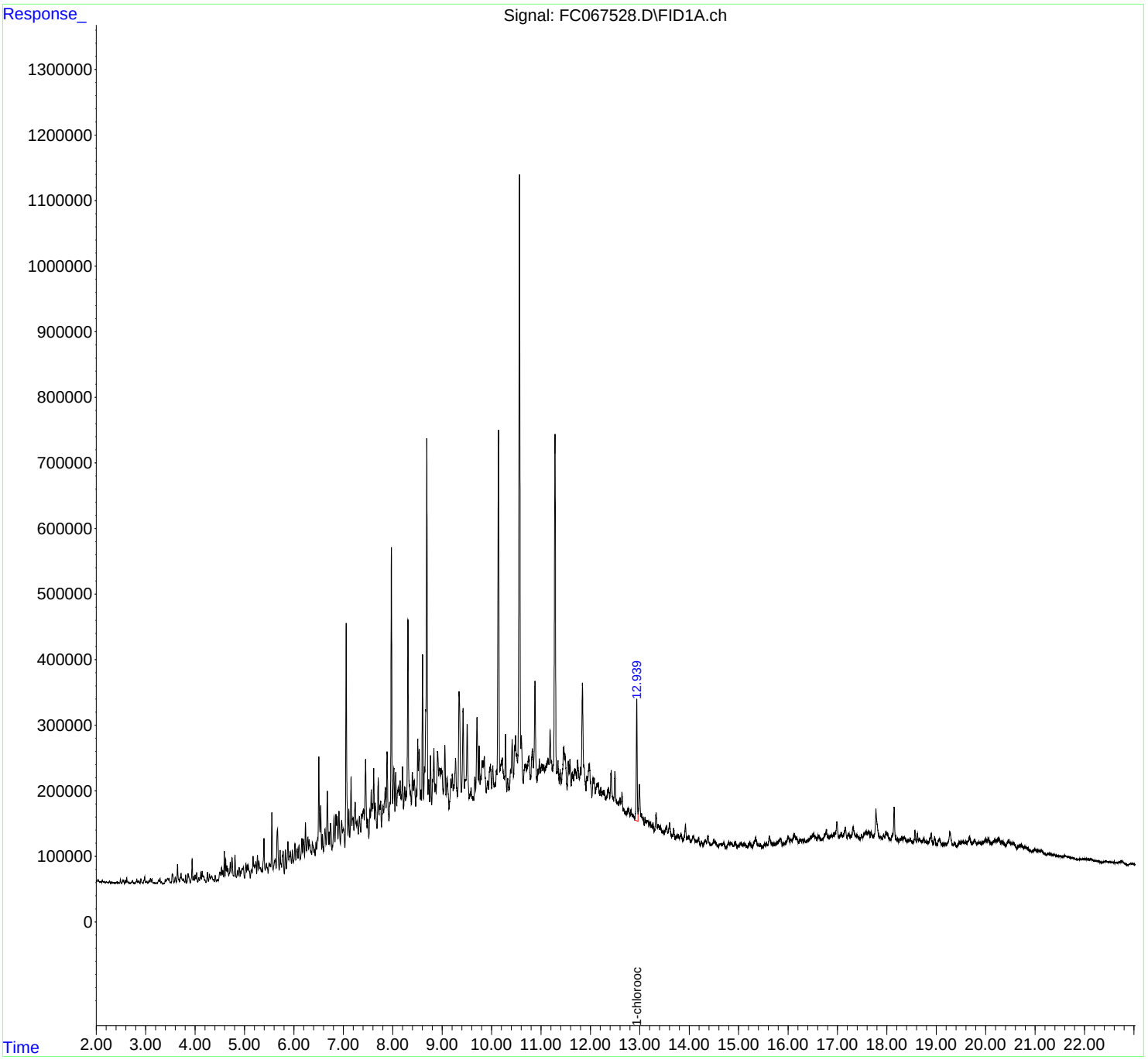
Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

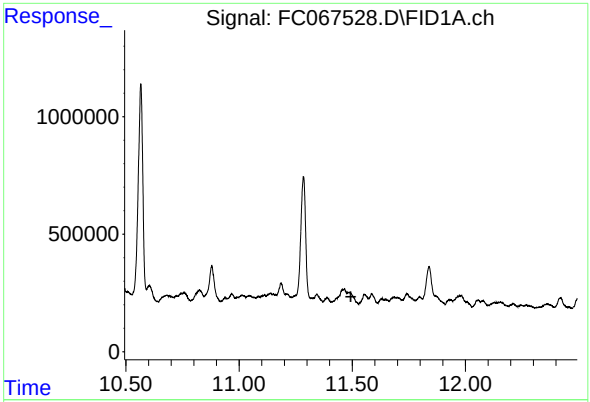
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:48:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





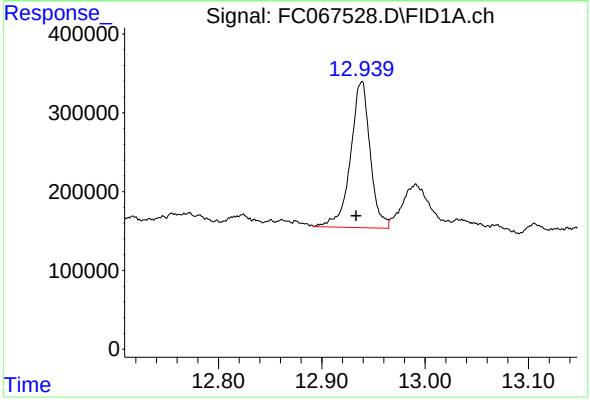
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min
Delta R.T.: 0.006 min
Response: 2448698
Conc: 22.68 ug/ml m

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10252
Data File : FC067528.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 17:30
Sample : P4518-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.218	3.204	3.230	PH	-36763	-569337	-3.01%	-0.070%
2	3.262	3.230	3.279	PV	-9558	-509210	-2.70%	-0.063%
3	3.291	3.279	3.308	PV	5718	41521	0.22%	0.005%
4	3.319	3.308	3.349	PV	1464	14651	0.08%	0.002%
5	3.397	3.349	3.410	PV	6640	76724	0.41%	0.009%
6	3.450	3.410	3.462	VV	8296	184565	0.98%	0.023%
7	3.474	3.462	3.500	VV	7956	105806	0.56%	0.013%
8	3.511	3.500	3.520	VV	2544	22579	0.12%	0.003%
9	3.539	3.520	3.573	VV	14407	248645	1.32%	0.031%
10	3.599	3.573	3.620	VV	9983	148919	0.79%	0.018%
11	3.645	3.620	3.686	VV	29060	398282	2.11%	0.049%
12	3.717	3.686	3.751	VV	15218	313954	1.66%	0.039%
13	3.764	3.751	3.793	VV	6866	104658	0.55%	0.013%
14	3.811	3.793	3.829	VV	12492	112844	0.60%	0.014%
15	3.858	3.829	3.904	PV	15007	304372	1.61%	0.038%
16	3.941	3.904	3.957	VV	36540	414160	2.19%	0.051%
17	3.968	3.957	3.985	VV	10182	116629	0.62%	0.014%
18	4.001	3.985	4.018	VV	12339	156296	0.83%	0.019%
19	4.034	4.018	4.054	VV	15854	180991	0.96%	0.022%
20	4.075	4.054	4.089	VV	8217	102304	0.54%	0.013%
21	4.117	4.089	4.129	VV	16028	215122	1.14%	0.027%
22	4.144	4.129	4.221	VV	17915	419252	2.22%	0.052%
23	4.252	4.221	4.270	VV	16065	202736	1.07%	0.025%
24	4.292	4.270	4.314	VV	12835	202654	1.07%	0.025%
25	4.338	4.314	4.365	VV	10286	222638	1.18%	0.028%
26	4.374	4.365	4.390	VV	4853	53697	0.28%	0.007%
27	4.407	4.390	4.431	VV	10857	142091	0.75%	0.018%
28	4.455	4.431	4.469	VV	4216	71313	0.38%	0.009%
29	4.502	4.469	4.520	VV	15434	321142	1.70%	0.040%
30	4.536	4.520	4.550	VV	22561	297472	1.57%	0.037%
31	4.561	4.550	4.575	VV	17833	220821	1.17%	0.027%
32	4.592	4.575	4.606	VV	47317	481703	2.55%	0.060%
33	4.620	4.606	4.634	VV	34647	392396	2.08%	0.048%
34	4.645	4.634	4.658	VV	25212	306030	1.62%	0.038%
35	4.667	4.658	4.681	VV	21113	218912	1.16%	0.027%
36	4.712	4.681	4.728	VV	29811	528431	2.80%	0.065%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

37	4.748	4.728	4.787	VV	37100	726481	3.85%	0.090%
38	4.808	4.787	4.838	VV	41442	556361		
39	4.858	4.838	4.872	VV	16955	245978		
40	4.893	4.872	4.911	VV	22135	380018		
41	4.922	4.911	4.932	VV	16157	162827		
42	4.976	4.932	5.002	VV	22075	690159		
43	5.027	5.002	5.041	VV	27771	412083	2.18%	0.051%
44	5.053	5.041	5.064	VV	25292	277380	1.47%	0.034%
45	5.075	5.064	5.116	VV	25550	537420	2.85%	0.066%
46	5.142	5.116	5.154	VV	17890	319718	1.69%	0.040%
47	5.173	5.154	5.204	VV	38160	758947	4.02%	0.094%
48	5.230	5.204	5.246	VV	30490	581293	3.08%	0.072%
49	5.262	5.246	5.277	VV	39774	495124	2.62%	0.061%
50	5.291	5.277	5.339	VV	30801	816276	4.32%	0.101%
51	5.352	5.339	5.361	VV	18472	225747	1.20%	0.028%
52	5.394	5.361	5.419	VV	65616	1135936	6.01%	0.140%
53	5.444	5.419	5.478	VV	27231	725552	3.84%	0.090%
54	5.497	5.478	5.508	VV	26000	389151	2.06%	0.048%
55	5.518	5.508	5.531	VV	25307	328505	1.74%	0.041%
56	5.554	5.531	5.580	VV	104169	1501624	7.95%	0.186%
57	5.621	5.580	5.640	VV	33386	961411	5.09%	0.119%
58	5.666	5.640	5.702	VV	79304	1740145	9.21%	0.215%
59	5.721	5.702	5.751	VV	46813	863049	4.57%	0.107%
60	5.782	5.751	5.805	VV	44971	994131	5.26%	0.123%
61	5.828	5.805	5.848	VV	46935	725923	3.84%	0.090%
62	5.879	5.848	5.898	VV	59426	1186321	6.28%	0.147%
63	5.926	5.898	5.950	VV	44314	1126605	5.96%	0.139%
64	5.969	5.950	5.987	VV	45392	765295	4.05%	0.095%
65	6.021	5.987	6.040	VV	56228	1259181	6.67%	0.156%
66	6.063	6.040	6.083	VV	47309	1074638	5.69%	0.133%
67	6.103	6.083	6.127	VV	53587	1129380	5.98%	0.140%
68	6.161	6.127	6.176	VV	63382	1337977	7.08%	0.165%
69	6.191	6.176	6.215	VV	62141	1221571	6.47%	0.151%
70	6.234	6.215	6.257	VV	87263	1512682	8.01%	0.187%
71	6.282	6.257	6.297	VV	65178	1340044	7.09%	0.166%
72	6.310	6.297	6.360	VV	61479	1857178	9.83%	0.229%
73	6.375	6.360	6.405	VV	57219	1330016	7.04%	0.164%
74	6.414	6.405	6.429	VV	46335	623173	3.30%	0.077%
75	6.447	6.429	6.461	VV	56508	929220	4.92%	0.115%
76	6.505	6.461	6.528	VV	186653	3682879	19.50%	0.455%
77	6.542	6.528	6.563	VV	112247	1731855	9.17%	0.214%
78	6.575	6.563	6.601	VV	69468	1233214	6.53%	0.152%
79	6.630	6.601	6.650	VV	76789	1892924	10.02%	0.234%
80	6.677	6.650	6.701	VV	134548	2713530	14.37%	0.335%
81	6.712	6.701	6.724	VV	72344	868758	4.60%	0.107%
82	6.741	6.724	6.771	VV	85037	1877271	9.94%	0.232%
83	6.813	6.771	6.832	VV	95739	2444611	12.94%	0.302%
84	6.852	6.832	6.865	VV	98869	1645451	8.71%	0.203%
85	6.876	6.865	6.893	VV	96075	1358737	7.19%	0.168%
86	6.913	6.893	6.940	VV	104024	2218458	11.75%	0.274%
87	6.966	6.940	6.984	VV	89452	2008631	10.63%	0.248%
88	7.004	6.984	7.032	VV	76631	1966186	10.41%	0.243%
89	7.059	7.032	7.095	VV	386322	6264069	33.17%	0.774%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

90	7.112	7.095	7.131	VV	106185	1825915	9.67%	0.226%
91	7.157	7.131	7.175	VV	155147	2747615	14	
92	7.197	7.175	7.214	VV	92374	2052183	10	
93	7.241	7.214	7.271	VV	117045	3233937	17	
94	7.283	7.271	7.304	VV	87324	1559610	8	
95	7.328	7.304	7.354	VV	94109	2454302	12	
96	7.371	7.354	7.380	VV	98071	1364534	7.22%	0.169%
97	7.410	7.380	7.425	VV	105958	2677011	14.17%	0.331%
98	7.451	7.425	7.480	VV	181072	4144339	21.94%	0.512%
99	7.492	7.480	7.517	VV	89435	1729615	9.16%	0.214%
100	7.539	7.517	7.549	VV	104542	1688719	8.94%	0.209%
101	7.566	7.549	7.580	VV	132863	2064888	10.93%	0.255%
102	7.616	7.580	7.633	VV	166640	3901777	20.66%	0.482%
103	7.646	7.633	7.682	VV	114007	2878143	15.24%	0.356%
104	7.706	7.682	7.724	VV	151738	2909826	15.41%	0.360%
105	7.736	7.724	7.743	VV	109007	1182917	6.26%	0.146%
106	7.755	7.743	7.773	VV	117228	1828773	9.68%	0.226%
107	7.802	7.773	7.816	VV	109538	2564672	13.58%	0.317%
108	7.849	7.816	7.865	VV	136962	3490602	18.48%	0.431%
109	7.886	7.865	7.924	VV	192646	4660104	24.67%	0.576%
110	7.973	7.924	7.998	VV	501530	9057177	47.95%	1.119%
111	8.023	7.998	8.044	VV	167275	3732681	19.76%	0.461%
112	8.061	8.044	8.081	VV	160650	2913591	15.43%	0.360%
113	8.113	8.081	8.134	VV	138758	4093216	21.67%	0.506%
114	8.149	8.134	8.177	VV	147977	3409817	18.05%	0.421%
115	8.198	8.177	8.218	VV	168153	3374683	17.87%	0.417%
116	8.243	8.218	8.257	VV	138052	2906329	15.39%	0.359%
117	8.308	8.257	8.377	VV	393890	12337781	65.32%	1.524%
118	8.398	8.377	8.415	VV	159232	3188024	16.88%	0.394%
119	8.437	8.415	8.464	VV	146793	3914236	20.72%	0.484%
120	8.478	8.464	8.487	VV	132073	1654926	8.76%	0.204%
121	8.506	8.487	8.518	VV	209591	3222861	17.06%	0.398%
122	8.535	8.518	8.560	VV	193803	4142881	21.93%	0.512%
123	8.571	8.560	8.582	VV	132384	1654908	8.76%	0.204%
124	8.603	8.582	8.625	VV	339064	5446830	28.84%	0.673%
125	8.690	8.625	8.714	VV	663421	14412748	76.31%	1.781%
126	8.728	8.714	8.746	VV	147677	2608933	13.81%	0.322%
127	8.764	8.746	8.788	VV	184693	3616907	19.15%	0.447%
128	8.832	8.788	8.852	VV	192933	5746073	30.42%	0.710%
129	8.865	8.852	8.878	VV	140414	2074362	10.98%	0.256%
130	8.909	8.878	8.931	VV	190073	5225056	27.66%	0.646%
131	8.944	8.931	8.963	VV	164659	3082568	16.32%	0.381%
132	8.978	8.963	8.988	VV	163777	2427014	12.85%	0.300%
133	8.995	8.988	9.020	VV	160951	2875245	15.22%	0.355%
134	9.055	9.020	9.079	VV	198771	5367130	28.42%	0.663%
135	9.100	9.079	9.139	VV	150943	4767825	25.24%	0.589%
136	9.176	9.139	9.189	VV	148102	3761081	19.91%	0.465%
137	9.206	9.189	9.222	VV	154873	2892323	15.31%	0.357%
138	9.232	9.222	9.240	VV	138747	1438333	7.62%	0.178%
139	9.272	9.240	9.308	VV	179690	6011469	31.83%	0.743%
140	9.344	9.308	9.389	VV	276989	9200938	48.72%	1.137%
141	9.424	9.389	9.452	VV	253624	6690864	35.43%	0.827%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

142	9.506	9.452	9.549	VV	229512	9182948	48.62%	1.135%
143	9.586	9.549	9.641	VV	133824	6745924	35	
144	9.663	9.641	9.678	VV	149851	3036688	16	
145	9.705	9.678	9.734	VV	240191	6161600	32	
146	9.749	9.734	9.768	VV	196460	3483107	18	
147	9.782	9.768	9.789	VV	151000	1913358	10	
148	9.808	9.789	9.818	VV	173984	2781342	14.73%	0.344%
149	9.829	9.818	9.839	VV	174408	2208046	11.69%	0.273%
150	9.852	9.839	9.893	VV	179864	4998592	26.47%	0.618%
151	9.920	9.893	9.939	VV	142485	3787422	20.05%	0.468%
152	9.978	9.939	10.004	VV	168044	5880203	31.13%	0.727%
153	10.025	10.004	10.057	VV	165844	4687149	24.82%	0.579%
154	10.099	10.057	10.107	VV	157601	4295513	22.74%	0.531%
155	10.140	10.107	10.168	VV	673595	13143473	69.59%	1.624%
156	10.218	10.168	10.261	VV	177190	9112479	48.25%	1.126%
157	10.284	10.261	10.309	VV	212297	4744441	25.12%	0.586%
158	10.327	10.309	10.351	VV	146730	3487644	18.47%	0.431%
159	10.418	10.351	10.444	VV	203923	8979176	47.54%	1.109%
160	10.487	10.444	10.528	VV	210510	9186206	48.64%	1.135%
161	10.566	10.528	10.591	VV	1068827	18887229	100.00%	2.334%
162	10.604	10.591	10.643	VV	211405	5449223	28.85%	0.673%
163	10.680	10.643	10.709	VV	167637	6374461	33.75%	0.788%
164	10.757	10.709	10.786	VV	179290	7570059	40.08%	0.935%
165	10.825	10.786	10.846	VV	189727	6148846	32.56%	0.760%
166	10.879	10.846	10.919	VV	291316	8723600	46.19%	1.078%
167	10.938	10.919	10.948	VV	159458	2549174	13.50%	0.315%
168	10.968	10.948	10.984	VV	174461	3561242	18.86%	0.440%
169	11.014	10.984	11.031	VV	166848	4519805	23.93%	0.558%
170	11.046	11.031	11.073	VV	165605	4047300	21.43%	0.500%
171	11.138	11.073	11.161	VV	175041	8755851	46.36%	1.082%
172	11.186	11.161	11.233	VV	218914	7740379	40.98%	0.956%
173	11.284	11.233	11.321	VV	671078	15777952	83.54%	1.949%
174	11.344	11.321	11.371	VV	172240	4633244	24.53%	0.572%
175	11.388	11.371	11.411	VV	157508	3536138	18.72%	0.437%
176	11.463	11.411	11.527	VV	191476	11385970	60.28%	1.407%
177	11.555	11.527	11.572	VV	168655	4049138	21.44%	0.500%
178	11.586	11.572	11.611	VV	171030	3642218	19.28%	0.450%
179	11.631	11.611	11.644	VV	151197	2892541	15.31%	0.357%
180	11.648	11.644	11.663	VV	149192	1591706	8.43%	0.197%
181	11.685	11.663	11.724	VV	158055	5616832	29.74%	0.694%
182	11.743	11.724	11.778	VV	170248	5007825	26.51%	0.619%
183	11.798	11.778	11.809	VV	158401	2849727	15.09%	0.352%
184	11.839	11.809	11.910	VV	287151	11065831	58.59%	1.367%
185	11.929	11.910	11.944	VV	146138	2850760	15.09%	0.352%
186	11.976	11.944	12.031	VV	163783	7535066	39.90%	0.931%
187	12.057	12.031	12.068	VV	143598	2942091	15.58%	0.364%
188	12.077	12.068	12.101	VV	142586	2660627	14.09%	0.329%
189	12.154	12.101	12.189	VV	135865	6783458	35.92%	0.838%
190	12.211	12.189	12.231	VV	128983	3093629	16.38%	0.382%
191	12.246	12.231	12.258	VV	122018	1921850	10.18%	0.237%
192	12.270	12.258	12.311	VV	125641	3771137	19.97%	0.466%
193	12.363	12.311	12.392	VV	126966	5763231	30.51%	0.712%
194	12.420	12.392	12.470	VV	154061	5879401	31.13%	0.726%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

195	12.497	12.470	12.581	VV	150572	7696144	40.75%	0.951%
196	12.598	12.581	12.619	VV	112772	2466044	13	
197	12.639	12.619	12.728	VV	120065	6379895	33	
198	12.770	12.728	12.802	VV	95923	4033826	21	
199	12.823	12.802	12.855	VV	94378	2801181	14	
200	12.862	12.855	12.894	VV	87111	1984710	10	
201	12.938	12.894	12.965	VV	261652	5695794	30.16%	0.704%
202	12.991	12.965	13.024	VV	131886	3754429	19.88%	0.464%
203	13.033	13.024	13.090	VV	86575	3182006	16.85%	0.393%
204	13.106	13.090	13.131	VV	81408	1855344	9.82%	0.229%
205	13.157	13.131	13.191	VV	76018	2661872	14.09%	0.329%
206	13.207	13.191	13.251	VV	74099	2523134	13.36%	0.312%
207	13.268	13.251	13.298	VV	73248	1862375	9.86%	0.230%
208	13.330	13.298	13.358	VV	88336	2650925	14.04%	0.328%
209	13.374	13.358	13.398	VV	69632	1608193	8.51%	0.199%
210	13.413	13.398	13.452	VV	68640	2045546	10.83%	0.253%
211	13.466	13.452	13.491	VV	60540	1391023	7.36%	0.172%
212	13.544	13.491	13.569	VV	67161	2865563	15.17%	0.354%
213	13.601	13.569	13.644	VV	72413	2767587	14.65%	0.342%
214	13.685	13.644	13.718	VV	64076	2403283	12.72%	0.297%
215	13.738	13.718	13.755	VV	52490	1113380	5.89%	0.138%
216	13.771	13.755	13.801	VV	53823	1421814	7.53%	0.176%
217	13.836	13.801	13.868	VV	54492	1999957	10.59%	0.247%
218	13.879	13.868	13.884	VV	46175	436435	2.31%	0.054%
219	13.924	13.884	13.956	VV	67416	2382437	12.61%	0.294%
220	13.990	13.956	14.028	VV	52018	2047558	10.84%	0.253%
221	14.074	14.028	14.086	VV	51006	1611501	8.53%	0.199%
222	14.090	14.086	14.131	VV	50221	1248171	6.61%	0.154%
223	14.162	14.131	14.171	VV	44685	1040066	5.51%	0.129%
224	14.190	14.171	14.228	VV	48984	1448595	7.67%	0.179%
225	14.247	14.228	14.284	VV	42365	1339842	7.09%	0.166%
226	14.324	14.284	14.354	VV	43821	1731650	9.17%	0.214%
227	14.378	14.354	14.438	VV	50732	2137889	11.32%	0.264%
228	14.498	14.438	14.585	VV	46203	3456658	18.30%	0.427%
229	14.629	14.585	14.664	VV	38121	1754021	9.29%	0.217%
230	14.700	14.664	14.737	VV	40834	1604362	8.49%	0.198%
231	14.748	14.737	14.756	VV	33282	384945	2.04%	0.048%
232	14.795	14.756	14.833	VV	40507	1726456	9.14%	0.213%
233	14.850	14.833	14.891	VV	39221	1285400	6.81%	0.159%
234	14.934	14.891	14.964	VV	41809	1604138	8.49%	0.198%
235	14.988	14.964	15.007	VV	35932	880362	4.66%	0.109%
236	15.042	15.007	15.068	VV	39534	1330439	7.04%	0.164%
237	15.075	15.068	15.091	VV	36138	502879	2.66%	0.062%
238	15.104	15.091	15.118	VV	37140	583666	3.09%	0.072%
239	15.122	15.118	15.184	VV	36742	1368901	7.25%	0.169%
240	15.223	15.184	15.274	VV	39481	1912092	10.12%	0.236%
241	15.339	15.274	15.417	VV	45436	3234456	17.13%	0.400%
242	15.435	15.417	15.477	VV	37294	1226392	6.49%	0.152%
243	15.525	15.477	15.541	VV	37089	1303753	6.90%	0.161%
244	15.570	15.541	15.589	VV	37093	1017471	5.39%	0.126%
245	15.621	15.589	15.678	VV	47083	2121971	11.23%	0.262%
246	15.692	15.678	15.737	VV	37129	1261349	6.68%	0.156%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

247	15.818	15.737	15.826	VV	41661	2026415	10.73%	0.250%
248	15.853	15.826	15.886	VV	44902	1433453		
249	15.905	15.886	15.914	VV	36365	608605		
250	15.934	15.914	15.951	VV	37570	799357		
251	15.997	15.951	16.034	VV	46943	2037842	10	
252	16.048	16.034	16.085	VV	41766	1246153	6	
253	16.130	16.085	16.158	VV	50040	1977201	10.47%	0.244%
254	16.173	16.158	16.221	VV	44665	1551955	8.22%	0.192%
255	16.250	16.221	16.273	VV	43110	1268616	6.72%	0.157%
256	16.293	16.273	16.314	VV	42223	990434	5.24%	0.122%
257	16.325	16.314	16.359	VV	40529	1054114	5.58%	0.130%
258	16.384	16.359	16.430	VV	40664	1673259	8.86%	0.207%
259	16.520	16.430	16.582	VV	49727	4082911	21.62%	0.504%
260	16.611	16.582	16.678	VV	47509	2524241	13.36%	0.312%
261	16.774	16.678	16.797	VV	55722	3297165	17.46%	0.407%
262	16.810	16.797	16.822	VV	45986	671757	3.56%	0.083%
263	16.849	16.822	16.864	VV	45812	1098807	5.82%	0.136%
264	16.886	16.864	16.901	VV	47483	1024771	5.43%	0.127%
265	16.922	16.901	16.936	VV	49447	999900	5.29%	0.124%
266	16.956	16.936	16.963	VV	49519	783824	4.15%	0.097%
267	16.989	16.963	17.031	VV	66604	2212043	11.71%	0.273%
268	17.080	17.031	17.111	VV	48995	2223724	11.77%	0.275%
269	17.162	17.111	17.195	VV	57749	2481490	13.14%	0.307%
270	17.234	17.195	17.254	VV	49108	1611823	8.53%	0.199%
271	17.271	17.254	17.288	VV	45755	890854	4.72%	0.110%
272	17.318	17.288	17.383	VV	59565	2860964	15.15%	0.353%
273	17.395	17.383	17.464	VV	46128	2082028	11.02%	0.257%
274	17.491	17.464	17.513	VV	45512	1290666	6.83%	0.159%
275	17.580	17.513	17.598	VV	51588	2420959	12.82%	0.299%
276	17.618	17.598	17.631	VV	50273	987186	5.23%	0.122%
277	17.638	17.631	17.661	VV	51570	854624	4.52%	0.106%
278	17.683	17.661	17.735	VV	51683	2007400	10.63%	0.248%
279	17.780	17.735	17.861	VV	84892	4150017	21.97%	0.513%
280	17.880	17.861	17.905	VV	42954	1078492	5.71%	0.133%
281	17.933	17.905	17.954	VV	46449	1265246	6.70%	0.156%
282	17.982	17.954	18.004	VV	49189	1379817	7.31%	0.170%
283	18.016	18.004	18.052	VV	47924	1218896	6.45%	0.151%
284	18.061	18.052	18.084	VV	39310	759071	4.02%	0.094%
285	18.147	18.084	18.204	VV	86727	3574617	18.93%	0.442%
286	18.216	18.204	18.239	VV	38938	767043	4.06%	0.095%
287	18.266	18.239	18.281	VV	38956	926943	4.91%	0.115%
288	18.301	18.281	18.322	VV	42650	967795	5.12%	0.120%
289	18.344	18.322	18.407	VV	40476	1928755	10.21%	0.238%
290	18.429	18.407	18.447	VV	36415	844117	4.47%	0.104%
291	18.471	18.447	18.513	VV	38593	1407288	7.45%	0.174%
292	18.523	18.513	18.532	VV	33076	370486	1.96%	0.046%
293	18.568	18.532	18.598	VV	51050	1535605	8.13%	0.190%
294	18.617	18.598	18.641	VV	46047	1035532	5.48%	0.128%
295	18.664	18.641	18.716	VV	36960	1572835	8.33%	0.194%
296	18.750	18.716	18.847	VV	38569	2619357	13.87%	0.324%
297	18.898	18.847	18.941	VV	45777	2043885	10.82%	0.253%
298	18.967	18.941	19.024	VV	39699	1599272	8.47%	0.198%
299	19.058	19.024	19.110	VV	36160	1701453	9.01%	0.210%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

300	19.123	19.110	19.143	VV	29004	569942	3.02%	0.070%
301	19.162	19.143	19.171	VV	29838	476579	2	
302	19.184	19.171	19.208	VV	30275	654451	3	
303	19.278	19.208	19.343	VV	46415	2766735	14	
304	19.373	19.343	19.414	VV	31751	1191744	6	
305	19.467	19.414	19.491	VV	31471	1300611	6	
306	19.551	19.491	19.585	VV	32703	1715764	9.08%	0.212%
307	19.594	19.585	19.611	VV	30251	469509	2.49%	0.058%
308	19.671	19.611	19.728	VV	38728	2253345	11.93%	0.278%
309	19.778	19.728	19.818	VV	34600	1661258	8.80%	0.205%
310	19.829	19.818	19.843	VV	28952	443962	2.35%	0.055%
311	19.853	19.843	19.921	VV	29479	1342967	7.11%	0.166%
312	19.997	19.921	20.021	VV	35358	1867484	9.89%	0.231%
313	20.054	20.021	20.105	VV	35339	1590576	8.42%	0.197%
314	20.117	20.105	20.132	VV	28924	465388	2.46%	0.058%
315	20.194	20.132	20.211	VV	32671	1462938	7.75%	0.181%
316	20.266	20.211	20.300	VV	34628	1715179	9.08%	0.212%
317	20.318	20.300	20.332	VV	30788	569151	3.01%	0.070%
318	20.349	20.332	20.410	VV	30813	1252543	6.63%	0.155%
319	20.473	20.410	20.514	VV	31700	1768429	9.36%	0.219%
320	20.540	20.514	20.624	VV	28127	1666923	8.83%	0.206%
321	20.675	20.624	20.695	VV	24008	925163	4.90%	0.114%
322	20.715	20.695	20.768	VV	23961	973181	5.15%	0.120%
323	20.803	20.768	20.940	VV	21430	1838057	9.73%	0.227%
324	20.995	20.940	21.024	VV	16622	781370	4.14%	0.097%
325	21.038	21.024	21.071	VV	15779	414583	2.20%	0.051%
326	21.079	21.071	21.101	VV	14977	253902	1.34%	0.031%
327	21.133	21.101	21.231	VV	15291	910363	4.82%	0.112%
328	21.251	21.231	21.291	VV	9947	344009	1.82%	0.043%
329	21.306	21.291	21.314	VV	9492	125811	0.67%	0.016%
330	21.322	21.314	21.360	VV	9520	230124	1.22%	0.028%
331	21.373	21.360	21.431	VV	8229	308775	1.63%	0.038%
332	21.445	21.431	21.481	VV	6462	183406	0.97%	0.023%
333	21.510	21.481	21.548	VV	6709	222964	1.18%	0.028%
334	21.554	21.548	21.564	VV	5368	49802	0.26%	0.006%
335	21.605	21.564	21.616	VV	6939	169429	0.90%	0.021%
336	21.625	21.616	21.660	VV	5728	127559	0.68%	0.016%
337	21.671	21.660	21.688	VV	4872	69113	0.37%	0.009%
338	21.694	21.688	21.738	VV	3770	98398	0.52%	0.012%
339	21.760	21.738	21.801	VBA	2945	125740	0.67%	0.016%

Sum of corrected areas: 809344174

Aliphatic EPH 102324.M Sat Oct 26 00:59:49 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3		SDG No.:	P4518	
Lab Sample ID:	P4518-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FD048591.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	8.24		0.36	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	65.3	E	0.40	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	225	E	1.14	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	46.4		2.38	3.17	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	66.5		40 - 140	133%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	64.7		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-03	Acq On:	25 Oct 2024 17:30
Client Sample ID:	EX-5-TPH-3	Operator:	YP/AJ
Data file:	FD048591.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	4.094	5.812	18334401	104.053	200	ug/ml
Aromatic C12-C16	5.813	8.418	146087426	824.079	300	ug/ml
Aromatic C16-C21	8.419	12.680	465611718	2840	500	ug/ml
Aromatic C21-C36	12.681	18.085	89555718	586.431	800	ug/ml
Aromatic EPH	4.094	18.085	719589263	4360		ug/ml
2-Bromonaphthalene (SURR)	7.377	7.377	10098097	66.53		ug/ml
2-Flurobiphenyl (SURR)	8.228	8.228	6355793	64.73		ug/ml
ortho-Terphenyl (SURR)	11.266	11.266	5637823	33.1		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048591.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 17:30
Operator : YP/AJ
Sample : P4518-03
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:02:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.377	10098097	66.532 ug/mlm
Spiked Amount 50.000		Recovery = 133.06%	
6) S 2-Flurobiphenyl (SURR)	8.228	6355793	64.728 ug/mlm
Spiked Amount 50.000	Range 0 - 131	Recovery = 129.46%	
11) S ortho-Terphenyl (SURR)	11.266	5637823	33.098 ug/mlm
Spiked Amount 50.000		Recovery = 66.20%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048591.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 17:30
Operator : YP/AJ
Sample : P4518-03
Misc :
ALS Vial : 64 Sample Multiplier: 1

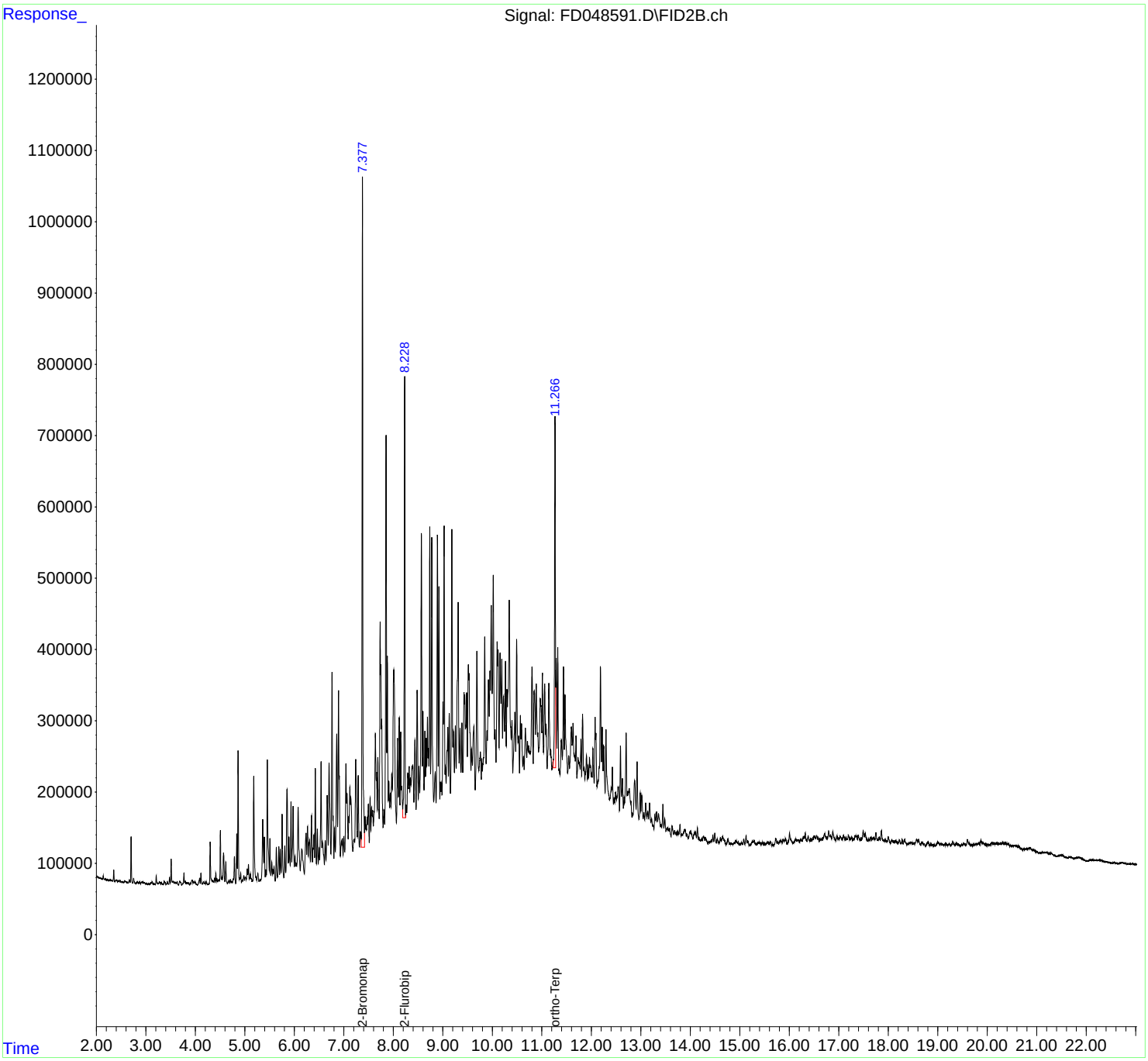
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

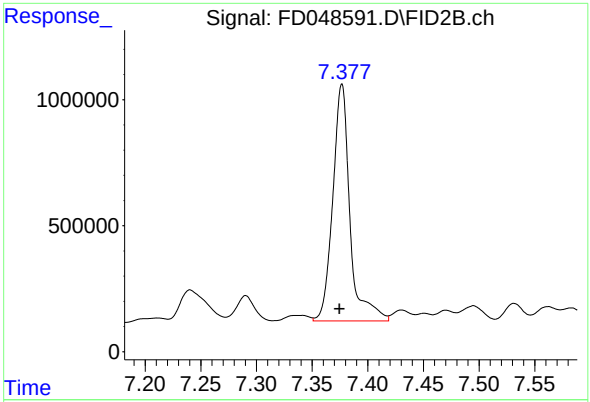
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:02:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





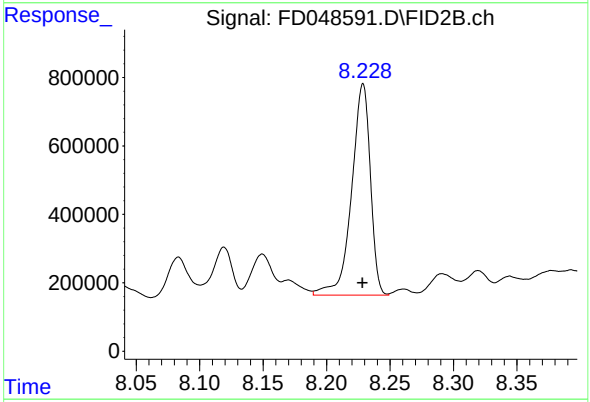
#4 2-Bromonaphthalene (SURR)

R.T.: 7.377 min
Delta R.T.: 0.002 min
Response: 10098097
Conc: 66.53 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

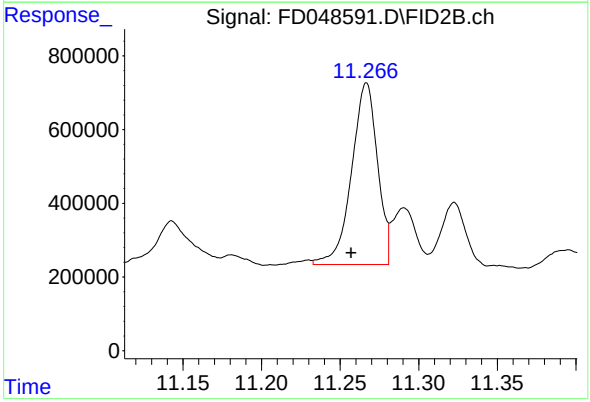
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 6355793
Conc: 64.73 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.266 min
Delta R.T.: 0.009 min
Response: 5637823
Conc: 33.10 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10252
Data File : FD048591.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 17:30
Sample : P4518-03
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.227	4.212	4.249	PV	3031	30984	0.25%	0.004%
2	4.276	4.249	4.280	PV	1398	12663	0.10%	0.002%
3	4.299	4.280	4.338	VV	60077	620081	5.01%	0.085%
4	4.350	4.338	4.367	VV	6158	82941	0.67%	0.011%
5	4.387	4.367	4.400	VV	9157	112542	0.91%	0.015%
6	4.413	4.400	4.426	VV	16152	148684	1.20%	0.020%
7	4.435	4.426	4.452	VV	8381	94022	0.76%	0.013%
8	4.467	4.452	4.474	VV	6206	70373	0.57%	0.010%
9	4.482	4.474	4.489	VV	6088	47544	0.38%	0.006%
10	4.505	4.489	4.524	VV	75708	700182	5.65%	0.096%
11	4.533	4.524	4.544	VV	10020	100749	0.81%	0.014%
12	4.569	4.544	4.596	VV	43971	636358	5.14%	0.087%
13	4.615	4.596	4.648	VV	31142	338607	2.73%	0.046%
14	4.679	4.648	4.694	VV	5521	76482	0.62%	0.010%
15	4.708	4.694	4.724	VV	6306	65555	0.53%	0.009%
16	4.735	4.724	4.747	VV	3701	35504	0.29%	0.005%
17	4.766	4.747	4.773	VV	7216	69998	0.57%	0.010%
18	4.789	4.773	4.815	VV	38396	384080	3.10%	0.052%
19	4.837	4.815	4.848	PV	69694	612768	4.95%	0.084%
20	4.863	4.848	4.887	VV	186781	1725688	13.94%	0.236%
21	4.895	4.887	4.902	VV	7701	64876	0.52%	0.009%
22	4.915	4.902	4.931	VV	14820	147428	1.19%	0.020%
23	4.951	4.931	4.961	VV	4614	59070	0.48%	0.008%
24	4.978	4.961	4.995	VV	10048	142310	1.15%	0.019%
25	5.009	4.995	5.028	VV	8832	131761	1.06%	0.018%
26	5.047	5.028	5.060	VV	19818	249979	2.02%	0.034%
27	5.073	5.060	5.088	VV	26438	276938	2.24%	0.038%
28	5.112	5.088	5.125	VV	12838	182735	1.48%	0.025%
29	5.130	5.125	5.144	VV	6290	50598	0.41%	0.007%
30	5.155	5.144	5.160	VV	3898	27300	0.22%	0.004%
31	5.179	5.160	5.238	VV	149634	1796858	14.51%	0.246%
32	5.263	5.238	5.285	VV	12653	201290	1.63%	0.028%
33	5.304	5.285	5.316	VV	4235	51973	0.42%	0.007%
34	5.361	5.316	5.382	VV	88333	1296153	10.47%	0.177%
35	5.393	5.382	5.410	VV	63455	614022	4.96%	0.084%
36	5.423	5.410	5.435	VV	16885	192606	1.56%	0.026%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

37	5.453	5.435	5.493	VV	171536	2252011	18.19%	0.308%
38	5.506	5.493	5.524	VV	60811	596691	[illegible]	
39	5.544	5.524	5.558	VV	27623	358350	[illegible]	
40	5.568	5.558	5.578	VV	16988	160162	[illegible]	
41	5.589	5.578	5.613	VV	21035	234501	[illegible]	
42	5.636	5.613	5.656	VV	48190	492719	[illegible]	
43	5.687	5.656	5.702	VV	48679	627323	5.07%	0.086%
44	5.715	5.702	5.732	VV	44812	470751	3.80%	0.064%
45	5.753	5.732	5.788	VV	93597	1144802	9.24%	0.156%
46	5.807	5.788	5.825	VV	49336	545389	4.40%	0.075%
47	5.851	5.825	5.879	VV	128076	2170990	17.53%	0.297%
48	5.891	5.879	5.916	VV	61312	871042	7.03%	0.119%
49	5.933	5.916	5.948	VV	110399	1166690	9.42%	0.159%
50	5.975	5.948	6.001	VV	104126	1637418	13.22%	0.224%
51	6.014	6.001	6.026	VV	33809	397503	3.21%	0.054%
52	6.035	6.026	6.046	VV	24050	263769	2.13%	0.036%
53	6.077	6.046	6.119	VV	102130	1976463	15.96%	0.270%
54	6.150	6.119	6.202	VV	42622	1314016	10.61%	0.180%
55	6.236	6.202	6.250	VV	65597	1195752	9.66%	0.163%
56	6.267	6.250	6.282	VV	74631	1059649	8.56%	0.145%
57	6.307	6.282	6.324	VV	55779	1128435	9.11%	0.154%
58	6.347	6.324	6.365	VV	89666	1334454	10.78%	0.182%
59	6.395	6.365	6.409	VV	62418	1156720	9.34%	0.158%
60	6.424	6.409	6.446	VV	155529	1677420	13.55%	0.229%
61	6.465	6.446	6.483	VV	70320	957117	7.73%	0.131%
62	6.500	6.483	6.512	VV	43840	571248	4.61%	0.078%
63	6.541	6.512	6.557	VV	164454	2243282	18.11%	0.306%
64	6.566	6.557	6.607	VV	51907	1192066	9.63%	0.163%
65	6.624	6.607	6.640	VV	53410	751832	6.07%	0.103%
66	6.664	6.640	6.685	VV	116849	1939915	15.67%	0.265%
67	6.702	6.685	6.738	VV	162024	3025244	24.43%	0.413%
68	6.762	6.738	6.779	VV	289111	3575796	28.88%	0.489%
69	6.784	6.779	6.800	VV	87488	754018	6.09%	0.103%
70	6.814	6.800	6.829	VV	70755	882211	7.12%	0.121%
71	6.857	6.829	6.875	VV	202132	3223809	26.03%	0.440%
72	6.893	6.875	6.930	VV	262721	4400104	35.53%	0.601%
73	6.951	6.930	6.960	VV	51230	787726	6.36%	0.108%
74	6.970	6.960	6.985	VV	54756	687292	5.55%	0.094%
75	7.001	6.985	7.019	VV	57608	914651	7.39%	0.125%
76	7.043	7.019	7.055	VV	159422	2171922	17.54%	0.297%
77	7.064	7.055	7.088	VV	117970	1787617	14.44%	0.244%
78	7.102	7.088	7.108	VV	85192	881281	7.12%	0.120%
79	7.122	7.108	7.132	VV	126647	1542753	12.46%	0.211%
80	7.141	7.132	7.182	VV	111542	2315905	18.70%	0.316%
81	7.211	7.182	7.220	VV	53319	1091276	8.81%	0.149%
82	7.240	7.220	7.272	VV	164863	3286411	26.54%	0.449%
83	7.290	7.272	7.315	VV	142247	2186411	17.66%	0.299%
84	7.341	7.315	7.352	VV	62907	1209624	9.77%	0.165%
85	7.377	7.352	7.418	VV	982286	11724654	94.68%	1.602%
86	7.430	7.418	7.443	VV	83975	1106489	8.94%	0.151%
87	7.451	7.443	7.459	VV	71103	629016	5.08%	0.086%
88	7.470	7.459	7.480	VV	82941	954153	7.70%	0.130%
89	7.495	7.480	7.515	VV	101129	1656248	13.37%	0.226%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

90	7.531	7.515	7.546	VV	109715	1557425	12.58%	0.213%
91	7.562	7.546	7.573	VV	96843	1373350	11	
92	7.583	7.573	7.597	VV	91656	1195760	9	
93	7.637	7.597	7.654	VV	199741	4332248	34	
94	7.661	7.654	7.674	VV	145427	1518639	12	
95	7.688	7.674	7.714	VV	165621	2728563	22	
96	7.734	7.714	7.743	VV	355403	4148973	33.50%	0.567%
97	7.748	7.743	7.759	VV	296733	2501827	20.20%	0.342%
98	7.764	7.759	7.793	VV	219021	2834658	22.89%	0.387%
99	7.809	7.793	7.825	VV	91609	1537952	12.42%	0.210%
100	7.853	7.825	7.868	VV	617749	7909861	63.87%	1.081%
101	7.879	7.868	7.897	VV	307072	3603498	29.10%	0.492%
102	7.909	7.897	7.925	VV	131825	1916667	15.48%	0.262%
103	7.940	7.925	7.952	VV	115137	1705121	13.77%	0.233%
104	7.967	7.952	7.982	VV	141586	2273181	18.36%	0.311%
105	8.011	7.982	8.062	VV	287217	8635268	69.73%	1.180%
106	8.083	8.062	8.101	VV	191280	3045528	24.59%	0.416%
107	8.119	8.101	8.133	VV	220070	3024894	24.43%	0.413%
108	8.149	8.133	8.189	VV	199233	4473969	36.13%	0.611%
109	8.229	8.189	8.249	VV	697991	9175063	74.09%	1.254%
110	8.261	8.249	8.272	VV	96801	1251599	10.11%	0.171%
111	8.291	8.272	8.306	VV	141596	2448226	19.77%	0.335%
112	8.319	8.306	8.333	VV	150537	2150481	17.37%	0.294%
113	8.344	8.333	8.359	VV	134170	1980472	15.99%	0.271%
114	8.378	8.359	8.384	VV	150708	2146138	17.33%	0.293%
115	8.393	8.384	8.415	VV	152627	2542327	20.53%	0.347%
116	8.435	8.415	8.459	VV	187168	3834860	30.97%	0.524%
117	8.480	8.459	8.504	VV	256123	4618237	37.29%	0.631%
118	8.517	8.504	8.532	VV	149843	2139666	17.28%	0.292%
119	8.566	8.532	8.586	VV	477148	8028691	64.83%	1.097%
120	8.599	8.586	8.620	VV	227009	3623729	29.26%	0.495%
121	8.637	8.620	8.650	VV	199007	2837435	22.91%	0.388%
122	8.664	8.650	8.676	VV	188552	2576095	20.80%	0.352%
123	8.689	8.676	8.702	VV	218434	2813766	22.72%	0.384%
124	8.710	8.702	8.719	VV	174535	1722369	13.91%	0.235%
125	8.736	8.719	8.753	VV	483650	5843898	47.19%	0.798%
126	8.777	8.753	8.815	VV	470471	8373194	67.62%	1.144%
127	8.846	8.815	8.863	VV	140882	3477778	28.08%	0.475%
128	8.891	8.863	8.907	VV	473441	6770755	54.68%	0.925%
129	8.922	8.907	8.939	VV	400783	4693828	37.90%	0.641%
130	8.951	8.939	8.962	VV	126316	1636116	13.21%	0.224%
131	8.972	8.962	8.984	VV	124969	1506959	12.17%	0.206%
132	9.002	8.984	9.010	VV	237965	2815321	22.73%	0.385%
133	9.026	9.010	9.045	VV	484987	6469441	52.24%	0.884%
134	9.053	9.045	9.066	VV	147730	1778676	14.36%	0.243%
135	9.100	9.066	9.114	VV	202803	4714303	38.07%	0.644%
136	9.130	9.114	9.153	VV	222326	3920965	31.66%	0.536%
137	9.182	9.153	9.202	VV	480150	7685548	62.06%	1.050%
138	9.213	9.202	9.234	VV	196319	3330323	26.89%	0.455%
139	9.253	9.234	9.270	VV	203981	3678256	29.70%	0.503%
140	9.310	9.270	9.329	VV	377669	8866378	71.60%	1.211%
141	9.348	9.329	9.367	VV	200458	3818213	30.83%	0.522%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

142	9.386	9.367	9.403	VV	207519	3592336	29.01%	0.491%
143	9.428	9.403	9.437	VV	250435	4008904	32	
144	9.443	9.437	9.457	VV	247124	2754135	22	
145	9.481	9.457	9.495	VV	250370	4878180	39	
146	9.516	9.495	9.524	VV	288540	4161528	33	
147	9.530	9.524	9.568	VV	276839	5532985	44	
148	9.581	9.568	9.599	VV	170394	2822751	22.79%	0.386%
149	9.627	9.599	9.654	VV	202133	5599590	45.22%	0.765%
150	9.688	9.654	9.726	VV	307327	8104635	65.45%	1.107%
151	9.759	9.726	9.777	VV	165555	4545694	36.71%	0.621%
152	9.789	9.777	9.801	VV	155887	2067997	16.70%	0.283%
153	9.847	9.801	9.874	VV	326583	8627569	69.67%	1.179%
154	9.893	9.874	9.901	VV	194902	2782022	22.47%	0.380%
155	9.922	9.901	9.938	VV	266200	5180607	41.83%	0.708%
156	9.953	9.938	9.962	VV	278105	3589406	28.99%	0.490%
157	9.978	9.962	9.997	VV	370372	6387000	51.58%	0.873%
158	10.019	9.997	10.046	VV	412154	8507064	68.70%	1.162%
159	10.056	10.046	10.075	VV	195376	3121710	25.21%	0.427%
160	10.098	10.075	10.108	VV	317103	4921180	39.74%	0.672%
161	10.117	10.108	10.136	VV	307561	4260067	34.40%	0.582%
162	10.157	10.136	10.176	VV	302746	5830595	47.08%	0.797%
163	10.192	10.176	10.207	VV	294223	4683398	37.82%	0.640%
164	10.228	10.207	10.248	VV	242033	5345443	43.17%	0.730%
165	10.266	10.248	10.281	VV	291476	4578435	36.97%	0.626%
166	10.297	10.281	10.307	VV	250937	3428709	27.69%	0.468%
167	10.342	10.307	10.381	VV	375891	11659535	94.15%	1.593%
168	10.398	10.381	10.414	VV	207140	3615493	29.20%	0.494%
169	10.457	10.414	10.473	VV	218521	6249708	50.47%	0.854%
170	10.492	10.473	10.520	VV	320613	6360516	51.36%	0.869%
171	10.533	10.520	10.550	VV	184914	3013081	24.33%	0.412%
172	10.568	10.550	10.579	VV	213048	3179704	25.68%	0.434%
173	10.591	10.579	10.616	VV	201459	3864168	31.20%	0.528%
174	10.631	10.616	10.644	VV	155553	2499714	20.19%	0.342%
175	10.668	10.644	10.696	VV	195135	5271261	42.57%	0.720%
176	10.711	10.696	10.726	VV	176716	3057097	24.69%	0.418%
177	10.734	10.726	10.757	VV	170095	3028470	24.46%	0.414%
178	10.802	10.757	10.826	VV	280702	8345260	67.39%	1.140%
179	10.846	10.826	10.871	VV	246392	5729600	46.27%	0.783%
180	10.888	10.871	10.914	VV	256013	5474957	44.21%	0.748%
181	10.919	10.914	10.935	VV	187624	2242710	18.11%	0.306%
182	10.970	10.935	10.998	VV	235713	7643518	61.72%	1.044%
183	11.012	10.998	11.035	VV	271155	4663463	37.66%	0.637%
184	11.058	11.035	11.076	VV	255970	5282560	42.66%	0.722%
185	11.086	11.076	11.108	VV	199274	3255951	26.29%	0.445%
186	11.143	11.108	11.174	VV	255767	7353409	59.38%	1.005%
187	11.181	11.174	11.202	VV	163602	2619086	21.15%	0.358%
188	11.267	11.202	11.282	VV	631029	12383583	100.00%	1.692%
189	11.291	11.282	11.306	VV	290858	3499543	28.26%	0.478%
190	11.323	11.306	11.365	VV	305264	6494472	52.44%	0.887%
191	11.395	11.365	11.415	VV	176514	4650232	37.55%	0.635%
192	11.438	11.415	11.454	VV	277790	4837829	39.07%	0.661%
193	11.469	11.454	11.521	VV	239123	7043806	56.88%	0.962%
194	11.544	11.521	11.560	VV	152629	3364544	27.17%	0.460%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

195	11.597	11.560	11.614	VV	192117	5332720	43.06%	0.729%
196	11.631	11.614	11.676	VV	198147	6233905	50	
197	11.691	11.676	11.708	VV	180286	2914215	23	
198	11.733	11.708	11.744	VV	149502	2974692	24	
199	11.749	11.744	11.774	VV	143640	2453570	19	
200	11.790	11.774	11.804	VV	175005	2748305	22	
201	11.824	11.804	11.846	VV	210818	4192146	33.85%	0.573%
202	11.855	11.846	11.870	VV	134371	1833523	14.81%	0.251%
203	11.902	11.870	11.921	VV	152084	4112280	33.21%	0.562%
204	11.934	11.921	11.947	VV	138131	1928473	15.57%	0.263%
205	11.963	11.947	11.975	VV	148118	2312070	18.67%	0.316%
206	11.982	11.975	11.996	VV	137349	1708892	13.80%	0.233%
207	12.006	11.996	12.016	VV	126159	1453361	11.74%	0.199%
208	12.033	12.016	12.057	VV	161416	3387363	27.35%	0.463%
209	12.076	12.057	12.087	VV	204923	2919189	23.57%	0.399%
210	12.094	12.087	12.117	VV	182334	2623844	21.19%	0.358%
211	12.133	12.117	12.137	VV	115216	1360634	10.99%	0.186%
212	12.185	12.137	12.204	VV	274933	6839823	55.23%	0.935%
213	12.220	12.204	12.236	VV	190809	3141076	25.36%	0.429%
214	12.250	12.236	12.278	VV	163516	3384045	27.33%	0.462%
215	12.297	12.278	12.368	VV	187056	6326994	51.09%	0.864%
216	12.404	12.368	12.411	VV	104476	2453434	19.81%	0.335%
217	12.426	12.411	12.448	VV	133714	2417433	19.52%	0.330%
218	12.461	12.448	12.472	VV	90539	1236659	9.99%	0.169%
219	12.491	12.472	12.510	VV	98060	2106202	17.01%	0.288%
220	12.544	12.510	12.569	VV	105182	3314984	26.77%	0.453%
221	12.589	12.569	12.609	VV	162790	2745682	22.17%	0.375%
222	12.628	12.609	12.647	VV	116776	2278866	18.40%	0.311%
223	12.664	12.647	12.673	VV	90083	1307328	10.56%	0.179%
224	12.703	12.673	12.722	VV	180399	3644197	29.43%	0.498%
225	12.730	12.722	12.743	VV	96570	1175285	9.49%	0.161%
226	12.763	12.743	12.792	VV	101654	2772079	22.39%	0.379%
227	12.800	12.792	12.821	VV	83879	1304327	10.53%	0.178%
228	12.839	12.821	12.845	VV	65986	932606	7.53%	0.127%
229	12.877	12.845	12.905	VV	112978	3309811	26.73%	0.452%
230	12.925	12.905	12.962	VV	139276	3107757	25.10%	0.425%
231	12.988	12.962	13.002	VV	95409	1827583	14.76%	0.250%
232	13.019	13.002	13.046	VV	91991	2058581	16.62%	0.281%
233	13.063	13.046	13.078	VV	67315	1174795	9.49%	0.161%
234	13.098	13.078	13.124	VV	80627	1873434	15.13%	0.256%
235	13.142	13.124	13.158	VV	68760	1335986	10.79%	0.183%
236	13.177	13.158	13.201	VV	80559	1754610	14.17%	0.240%
237	13.220	13.201	13.241	VV	57844	1283258	10.36%	0.175%
238	13.249	13.241	13.264	VV	49130	648700	5.24%	0.089%
239	13.285	13.264	13.302	VV	64153	1254649	10.13%	0.171%
240	13.319	13.302	13.339	VV	67566	1369207	11.06%	0.187%
241	13.357	13.339	13.422	VV	64653	2658757	21.47%	0.363%
242	13.447	13.422	13.466	VV	77315	1527539	12.34%	0.209%
243	13.484	13.466	13.511	VV	57167	1325924	10.71%	0.181%
244	13.532	13.511	13.539	VV	44031	704192	5.69%	0.096%
245	13.543	13.539	13.567	VV	43475	725667	5.86%	0.099%
246	13.583	13.567	13.612	VV	42692	1016019	8.20%	0.139%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

247	13.631	13.612	13.663	VV	46394	1222358	9.87%	0.167%
248	13.686	13.663	13.703	VV	39663	876232		
249	13.714	13.703	13.723	VV	35745	418937		
250	13.742	13.723	13.759	VV	38338	761748		
251	13.767	13.759	13.772	VV	35795	272058		
252	13.792	13.772	13.814	VV	47760	998822		
253	13.829	13.814	13.848	VV	34619	680165	5.49%	0.093%
254	13.887	13.848	13.918	VV	40412	1540411	12.44%	0.210%
255	13.929	13.918	13.964	VV	33086	836647	6.76%	0.114%
256	13.991	13.964	13.997	VV	36013	647064	5.23%	0.088%
257	14.007	13.997	14.057	VV	38270	1170097	9.45%	0.160%
258	14.086	14.057	14.091	VV	34227	651828	5.26%	0.089%
259	14.106	14.091	14.125	VV	36445	668823	5.40%	0.091%
260	14.145	14.125	14.164	VV	41892	785881	6.35%	0.107%
261	14.176	14.164	14.213	VV	28558	745125	6.02%	0.102%
262	14.237	14.213	14.245	VV	25947	473184	3.82%	0.065%
263	14.268	14.245	14.290	VV	29303	723456	5.84%	0.099%
264	14.303	14.290	14.356	VV	26932	918560	7.42%	0.126%
265	14.382	14.356	14.391	VV	20759	424881	3.43%	0.058%
266	14.414	14.391	14.422	VV	22064	392446	3.17%	0.054%
267	14.429	14.422	14.441	VV	23332	263442	2.13%	0.036%
268	14.457	14.441	14.474	VV	30197	502711	4.06%	0.069%
269	14.495	14.474	14.525	VV	33038	766707	6.19%	0.105%
270	14.544	14.525	14.564	VV	23967	508160	4.10%	0.069%
271	14.570	14.564	14.577	VV	20205	148942	1.20%	0.020%
272	14.582	14.577	14.589	VV	19900	135524	1.09%	0.019%
273	14.609	14.589	14.626	VV	26223	521909	4.21%	0.071%
274	14.653	14.626	14.677	VV	27430	743897	6.01%	0.102%
275	14.683	14.677	14.723	VV	22646	540313	4.36%	0.074%
276	14.759	14.723	14.793	VV	23587	817356	6.60%	0.112%
277	14.799	14.793	14.817	VV	17256	243262	1.96%	0.033%
278	14.826	14.817	14.842	VV	17302	246094	1.99%	0.034%
279	14.848	14.842	14.866	VV	16834	233686	1.89%	0.032%
280	14.897	14.866	14.903	VV	18122	381667	3.08%	0.052%
281	14.921	14.903	14.954	VV	20707	574701	4.64%	0.079%
282	14.971	14.954	14.989	VV	18207	364136	2.94%	0.050%
283	15.003	14.989	15.012	VV	15636	205271	1.66%	0.028%
284	15.034	15.012	15.061	VV	17489	473669	3.82%	0.065%
285	15.080	15.061	15.104	VV	22591	466522	3.77%	0.064%
286	15.127	15.104	15.149	VV	26525	551246	4.45%	0.075%
287	15.161	15.149	15.194	VV	19580	433198	3.50%	0.059%
288	15.204	15.194	15.221	VV	14655	221222	1.79%	0.030%
289	15.260	15.221	15.272	VV	18312	500466	4.04%	0.068%
290	15.287	15.272	15.315	VV	20013	451244	3.64%	0.062%
291	15.320	15.315	15.335	VV	15182	166202	1.34%	0.023%
292	15.372	15.335	15.386	VV	15713	453915	3.67%	0.062%
293	15.394	15.386	15.427	VV	15899	375049	3.03%	0.051%
294	15.431	15.427	15.438	VV	14106	93716	0.76%	0.013%
295	15.455	15.438	15.472	VV	15890	294860	2.38%	0.040%
296	15.492	15.472	15.511	VV	14313	320365	2.59%	0.044%
297	15.530	15.511	15.537	VV	14374	212715	1.72%	0.029%
298	15.563	15.537	15.592	VV	16206	491790	3.97%	0.067%
299	15.623	15.592	15.644	VV	16127	443312	3.58%	0.061%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

rteres

300	15.662	15.644	15.682	VV	12789	260852	2.11%	0.036%
301	15.730	15.682	15.756	VV	20054	675272	5	
302	15.763	15.756	15.781	VV	15594	213847	1	
303	15.804	15.781	15.808	VV	15738	238571	1	
304	15.831	15.808	15.852	VV	17360	418704	3	
305	15.875	15.852	15.894	VV	18489	412440	3	
306	15.922	15.894	15.958	VV	19375	614888	4.97%	0.084%
307	16.005	15.958	16.024	VV	27128	704849	5.69%	0.096%
308	16.033	16.024	16.055	VV	17685	304087	2.46%	0.042%
309	16.060	16.055	16.068	VV	14930	107723	0.87%	0.015%
310	16.077	16.068	16.085	VV	13704	136267	1.10%	0.019%
311	16.134	16.085	16.150	VV	17810	611101	4.93%	0.083%
312	16.155	16.150	16.159	VV	16162	83029	0.67%	0.011%
313	16.174	16.159	16.207	VV	17302	449108	3.63%	0.061%
314	16.230	16.207	16.241	VV	17655	328403	2.65%	0.045%
315	16.245	16.241	16.254	VV	15730	114861	0.93%	0.016%
316	16.297	16.254	16.308	VV	20908	585562	4.73%	0.080%
317	16.323	16.308	16.342	VV	24523	421090	3.40%	0.058%
318	16.354	16.342	16.363	VV	16015	198871	1.61%	0.027%
319	16.382	16.363	16.413	VV	21472	523570	4.23%	0.072%
320	16.428	16.413	16.463	VV	15976	459865	3.71%	0.063%
321	16.484	16.463	16.490	VV	17614	268767	2.17%	0.037%
322	16.506	16.490	16.514	VV	20389	281187	2.27%	0.038%
323	16.515	16.514	16.536	VV	20331	253411	2.05%	0.035%
324	16.555	16.536	16.574	VV	20922	422330	3.41%	0.058%
325	16.585	16.574	16.603	VV	18073	290863	2.35%	0.040%
326	16.615	16.603	16.625	VV	15859	201518	1.63%	0.028%
327	16.629	16.625	16.638	VV	15853	118838	0.96%	0.016%
328	16.643	16.638	16.658	VV	15881	181881	1.47%	0.025%
329	16.716	16.658	16.742	VV	23518	945357	7.63%	0.129%
330	16.754	16.742	16.760	VV	17937	190173	1.54%	0.026%
331	16.764	16.760	16.775	VV	17624	147262	1.19%	0.020%
332	16.795	16.775	16.820	VV	27044	588531	4.75%	0.080%
333	16.833	16.820	16.855	VV	20597	395014	3.19%	0.054%
334	16.878	16.855	16.941	VV	25146	923894	7.46%	0.126%
335	16.962	16.941	16.982	VV	18808	395193	3.19%	0.054%
336	16.988	16.982	16.997	VV	15854	141080	1.14%	0.019%
337	17.001	16.997	17.006	VV	14800	81049	0.65%	0.011%
338	17.031	17.006	17.051	VV	18680	442437	3.57%	0.060%
339	17.055	17.051	17.065	VV	15529	126533	1.02%	0.017%
340	17.070	17.065	17.075	VV	15078	88206	0.71%	0.012%
341	17.105	17.075	17.127	VV	18015	505404	4.08%	0.069%
342	17.137	17.127	17.152	VV	15244	212563	1.72%	0.029%
343	17.153	17.152	17.164	VV	15140	98579	0.80%	0.013%
344	17.168	17.164	17.177	VV	14191	109335	0.88%	0.015%
345	17.197	17.177	17.219	VV	19173	401905	3.25%	0.055%
346	17.224	17.219	17.234	VV	14096	122921	0.99%	0.017%
347	17.258	17.234	17.282	VV	15150	405669	3.28%	0.055%
348	17.294	17.282	17.305	VV	13776	182951	1.48%	0.025%
349	17.329	17.305	17.344	VV	17992	370166	2.99%	0.051%
350	17.352	17.344	17.379	VV	17559	328381	2.65%	0.045%
351	17.396	17.379	17.429	VV	18663	453177	3.66%	0.062%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

352	17.450	17.429	17.462	VV	14202	261510	2.11%	0.036%
353	17.494	17.462	17.514	VV	23509	557220	4	
354	17.535	17.514	17.584	VV	19966	648162	5	
355	17.603	17.584	17.614	VV	12888	204203	1	
356	17.618	17.614	17.627	VV	11928	91296	0	
357	17.648	17.627	17.667	VV	15054	313086	2	
358	17.707	17.667	17.730	VV	14258	473612	3.82%	0.065%
359	17.751	17.730	17.785	VV	20373	481901	3.89%	0.066%
360	17.813	17.785	17.839	VV	13666	364643	2.94%	0.050%
361	17.862	17.839	17.892	VV	22679	483197	3.90%	0.066%
362	17.896	17.892	17.914	VV	10200	119541	0.97%	0.016%
363	17.940	17.914	17.956	VV	9917	229290	1.85%	0.031%
364	17.971	17.956	17.977	VV	8003	90074	0.73%	0.012%
365	17.998	17.977	18.046	VV	13632	358978	2.90%	0.049%
366	18.070	18.046	18.093	VV	9803	200515	1.62%	0.027%
367	18.098	18.093	18.124	VV	6821	110279	0.89%	0.015%
368	18.145	18.124	18.159	VV	7906	138094	1.12%	0.019%
369	18.165	18.159	18.170	VV	5768	39594	0.32%	0.005%
370	18.175	18.170	18.202	VV	6113	99463	0.80%	0.014%
371	18.224	18.202	18.250	VBA	8617	201495	1.63%	0.028%

Sum of corrected areas: 731902841

Aromatic EPH 102324.M Sat Oct 26 01:30:44 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3DL		SDG No.:	P4518	
Lab Sample ID:	P4518-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FC067554.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	24.8		2.26	5.94	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	174	E	1.43	3.96	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	209	E	1.78	5.94	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	48.9		4.75	7.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.3		10.7	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.87		40 - 140	49%	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:	P4518-03DL	Acq On:	29 Oct 2024 10:08
Client Sample ID:	EX-5-TPH-3DL	Operator:	YP/AJ
Data file:	FC067554.D	Misc:	
Instrument:	FID_C	ALS Vial:	28
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	8495741	62.713	300	ug/ml
Aliphatic C12-C16	6.454	9.842	57944206	440.032	200	ug/ml
Aliphatic C16-C21	9.843	13.200	67441748	530.056	300	ug/ml
Aliphatic C21-C28	13.201	16.853	14844129	123.608	400	ug/ml
Aliphatic C28-C40	16.854	21.695	16407177	162.298	600	ug/ml
Aliphatic EPH	3.173	21.695	165133001	1320		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	525715	4.87		ug/ml
Aliphatic C9-C28	3.173	16.853	148725824	1160	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067554.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 10:08
Operator : YP/AJ
Sample : P4518-03DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3DL

Integration File: sample.E
Quant Time: Oct 30 03:46:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.931	525715	4.868 ug/mlm
Spiked Amount 50.000		Recovery =	9.74%
Target Compounds			

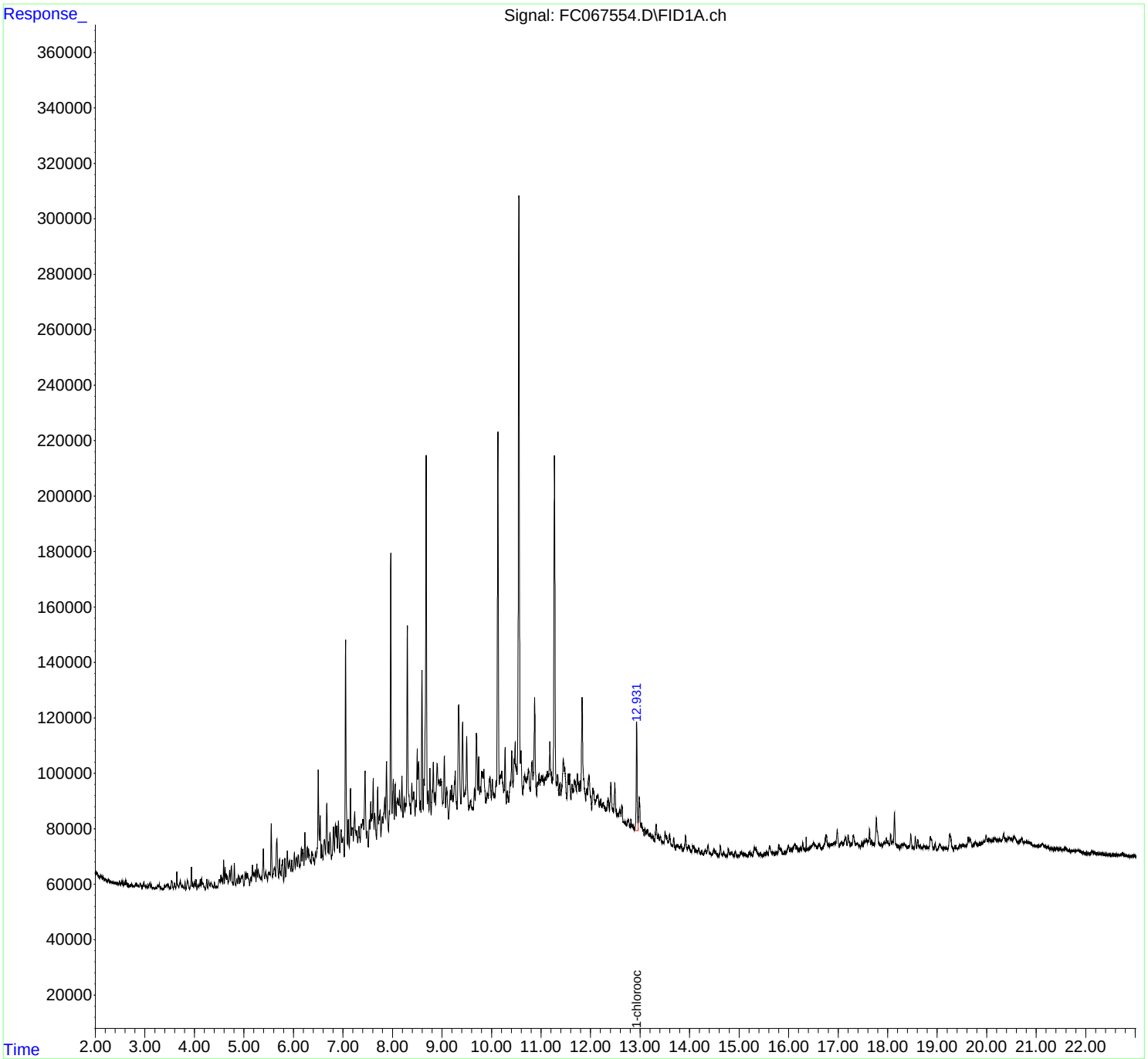
(f)=RT Delta > 1/2 Window (m)=manual int.

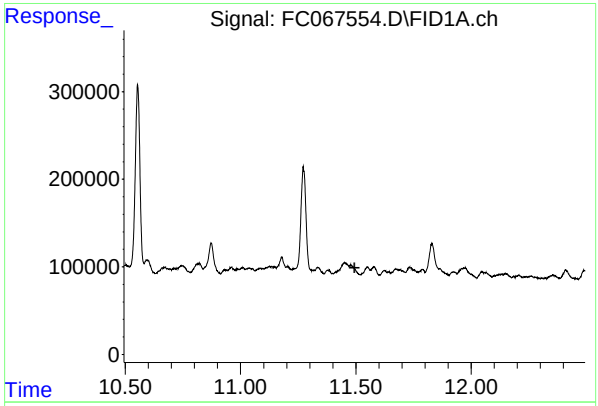
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067554.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 10:08
Operator : YP/AJ
Sample : P4518-03DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3DL

Integration File: sample.E
Quant Time: Oct 30 03:46:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

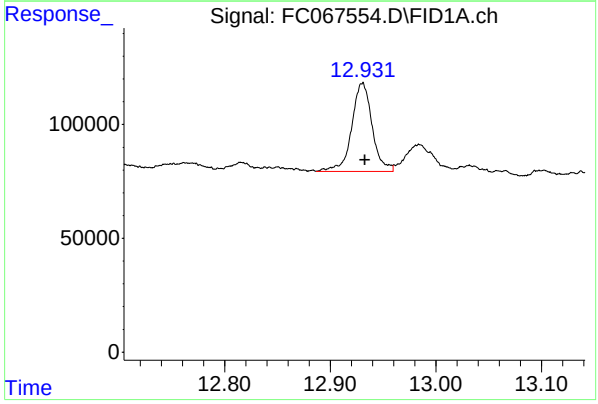




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.931 min
Delta R.T.: -0.002 min
Response: 525715
Conc: 4.87 ug/ml m

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067554.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 10:08
Sample : P4518-03DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.168	3.155	3.188	BV	143	1579	0.04%	0.001%
2	3.217	3.188	3.230	PV	277	3513	0.08%	0.002%
3	3.261	3.230	3.278	VV	1228	19512	0.45%	0.012%
4	3.291	3.278	3.308	VV	1821	17666	0.41%	0.011%
5	3.318	3.308	3.354	VV	437	5665	0.13%	0.003%
6	3.368	3.354	3.381	PV	166	1512	0.03%	0.001%
7	3.397	3.381	3.410	VV	1448	14286	0.33%	0.009%
8	3.449	3.410	3.462	VV	1823	39511	0.91%	0.024%
9	3.473	3.462	3.501	VV	1671	22050	0.51%	0.013%
10	3.539	3.501	3.574	VV	3203	58907	1.36%	0.036%
11	3.599	3.574	3.621	VV	2175	32342	0.75%	0.020%
12	3.645	3.621	3.686	VV	6334	85897	1.99%	0.052%
13	3.716	3.686	3.755	VV	3373	70513	1.63%	0.043%
14	3.764	3.755	3.793	VV	1460	19265	0.45%	0.012%
15	3.811	3.793	3.829	VV	2790	24516	0.57%	0.015%
16	3.859	3.829	3.903	PV	3306	68002	1.57%	0.041%
17	3.941	3.903	3.957	VV	8078	92533	2.14%	0.056%
18	3.968	3.957	3.988	VV	2273	27632	0.64%	0.017%
19	4.001	3.988	4.018	VV	2818	34277	0.79%	0.021%
20	4.034	4.018	4.054	VV	3515	39873	0.92%	0.024%
21	4.075	4.054	4.090	VV	1832	23665	0.55%	0.014%
22	4.117	4.090	4.129	VV	3594	47669	1.10%	0.029%
23	4.144	4.129	4.221	VV	3972	95385	2.21%	0.058%
24	4.251	4.221	4.270	PV	3593	46366	1.07%	0.028%
25	4.292	4.270	4.315	VV	2895	46398	1.07%	0.028%
26	4.337	4.315	4.366	VV	2231	50262	1.16%	0.030%
27	4.373	4.366	4.389	VV	1039	11106	0.26%	0.007%
28	4.407	4.389	4.429	VV	2426	30396	0.70%	0.018%
29	4.453	4.429	4.468	VV	815	15389	0.36%	0.009%
30	4.499	4.468	4.519	VV	3356	69366	1.60%	0.042%
31	4.535	4.519	4.549	VV	4966	65918	1.52%	0.040%
32	4.561	4.549	4.575	VV	3785	46115	1.07%	0.028%
33	4.591	4.575	4.606	VV	10423	104605	2.42%	0.063%
34	4.620	4.606	4.634	VV	7677	86039	1.99%	0.052%
35	4.644	4.634	4.681	VV	5373	111167	2.57%	0.067%
36	4.712	4.681	4.728	VV	6560	111442	2.58%	0.067%

rteres

37	4.747	4.728	4.787	VV	8042	151932	3.51%	0.092%
38	4.807	4.787	4.835	VV	8951	112158	2.59%	0.068%
39	4.857	4.835	4.871	VV	3372	48994	1.13%	0.030%
40	4.892	4.871	4.911	VV	4545	76611	1.77%	0.046%
41	4.922	4.911	4.931	VV	3313	32548	0.75%	0.020%
42	4.975	4.931	5.001	VV	4459	136364	3.15%	0.082%
43	5.026	5.001	5.041	VV	5874	83307	1.93%	0.050%
44	5.052	5.041	5.062	VV	5270	54469	1.26%	0.033%
45	5.075	5.062	5.115	VV	5189	107867	2.49%	0.065%
46	5.141	5.115	5.154	VV	3556	61859	1.43%	0.037%
47	5.173	5.154	5.203	VV	8178	155788	3.60%	0.094%
48	5.230	5.203	5.245	VV	6397	118922	2.75%	0.072%
49	5.262	5.245	5.276	VV	8513	102585	2.37%	0.062%
50	5.290	5.276	5.312	VV	6330	107812	2.49%	0.065%
51	5.320	5.312	5.338	VV	4121	57078	1.32%	0.035%
52	5.351	5.338	5.361	VV	3663	42989	0.99%	0.026%
53	5.393	5.361	5.418	VV	13893	235901	5.46%	0.143%
54	5.442	5.418	5.477	VV	5652	143747	3.32%	0.087%
55	5.496	5.477	5.507	VV	5320	76483	1.77%	0.046%
56	5.518	5.507	5.530	VV	5076	65613	1.52%	0.040%
57	5.553	5.530	5.579	VV	22809	320373	7.41%	0.194%
58	5.620	5.579	5.639	VV	7149	194974	4.51%	0.118%
59	5.665	5.639	5.700	VV	17027	367857	8.51%	0.223%
60	5.720	5.700	5.750	VV	9754	177434	4.10%	0.107%
61	5.780	5.750	5.803	VV	9656	202653	4.69%	0.123%
62	5.826	5.803	5.846	VV	9934	145350	3.36%	0.088%
63	5.878	5.846	5.896	VV	12781	245056	5.67%	0.148%
64	5.925	5.896	5.948	VV	9135	233056	5.39%	0.141%
65	5.968	5.948	5.986	VV	9402	157376	3.64%	0.095%
66	6.020	5.986	6.038	VV	11931	256300	5.93%	0.155%
67	6.061	6.038	6.082	VV	10073	224602	5.19%	0.136%
68	6.100	6.082	6.126	VV	11016	238636	5.52%	0.144%
69	6.160	6.126	6.174	VV	13560	275237	6.37%	0.166%
70	6.189	6.174	6.213	VV	13162	257501	5.96%	0.156%
71	6.232	6.213	6.254	VV	19129	321030	7.43%	0.194%
72	6.279	6.254	6.295	VV	13655	283340	6.55%	0.171%
73	6.307	6.295	6.357	VV	13167	386249	8.93%	0.234%
74	6.373	6.357	6.402	VV	12282	278108	6.43%	0.168%
75	6.412	6.402	6.427	VV	9745	133003	3.08%	0.080%
76	6.445	6.427	6.458	VV	11951	185819	4.30%	0.112%
77	6.502	6.458	6.525	VV	41285	803356	18.58%	0.486%
78	6.540	6.525	6.560	VV	24837	378517	8.75%	0.229%
79	6.573	6.560	6.598	VV	14607	259070	5.99%	0.157%
80	6.626	6.598	6.648	VV	16141	401361	9.28%	0.243%
81	6.674	6.648	6.699	VV	29246	586376	13.56%	0.355%
82	6.710	6.699	6.722	VV	15437	183994	4.26%	0.111%
83	6.739	6.722	6.768	VV	18578	397325	9.19%	0.240%
84	6.810	6.768	6.829	VV	20705	522306	12.08%	0.316%
85	6.849	6.829	6.862	VV	21656	350188	8.10%	0.212%
86	6.873	6.862	6.890	VV	21145	295191	6.83%	0.179%
87	6.910	6.890	6.936	VV	22771	470217	10.88%	0.284%
88	6.963	6.936	6.981	VV	19495	433248	10.02%	0.262%
89	7.003	6.981	7.028	VV	16663	414601	9.59%	0.251%

90	7.054	7.028	7.091	VV	87691	1394706	32.26%	0.844%
91	7.108	7.091	7.128	VV	23213	394151	9.12%	0.238%
92	7.153	7.128	7.171	VV	34271	590977	13.67%	0.357%
93	7.194	7.171	7.211	VV	19911	449380	10.39%	0.272%
94	7.237	7.211	7.267	VV	25789	690027	15.96%	0.417%
95	7.280	7.267	7.300	VV	18971	334441	7.74%	0.202%
96	7.324	7.300	7.350	VV	20369	526339	12.17%	0.318%
97	7.404	7.350	7.421	VV	22858	871138	20.15%	0.527%
98	7.447	7.421	7.476	VV	40249	907299	20.99%	0.549%
99	7.490	7.476	7.513	VV	18940	365150	8.45%	0.221%
100	7.534	7.513	7.545	VV	22694	361147	8.35%	0.218%
101	7.562	7.545	7.576	VV	29078	455042	10.53%	0.275%
102	7.612	7.576	7.629	VV	37411	851058	19.68%	0.515%
103	7.643	7.629	7.678	VV	25031	620232	14.35%	0.375%
104	7.702	7.678	7.738	VV	34023	873706	20.21%	0.529%
105	7.750	7.738	7.769	VV	25936	409324	9.47%	0.248%
106	7.795	7.769	7.811	VV	23710	548797	12.69%	0.332%
107	7.844	7.811	7.861	VV	30206	761206	17.61%	0.460%
108	7.880	7.861	7.920	VV	43377	1017512	23.53%	0.616%
109	7.967	7.920	7.993	VV	117466	2008965	46.47%	1.215%
110	8.018	7.993	8.038	VV	36708	822710	19.03%	0.498%
111	8.055	8.038	8.075	VV	34963	636921	14.73%	0.385%
112	8.108	8.075	8.131	VV	29653	939976	21.74%	0.569%
113	8.144	8.131	8.173	VV	32865	725694	16.79%	0.439%
114	8.192	8.173	8.215	VV	37795	744503	17.22%	0.450%
115	8.238	8.215	8.252	VV	29894	602763	13.94%	0.365%
116	8.266	8.252	8.273	VV	28000	349927	8.09%	0.212%
117	8.301	8.273	8.371	VV	92071	2365314	54.71%	1.431%
118	8.393	8.371	8.408	VV	35300	670550	15.51%	0.406%
119	8.431	8.408	8.458	VV	32039	878619	20.32%	0.531%
120	8.500	8.458	8.513	VV	46789	1090015	25.21%	0.659%
121	8.529	8.513	8.554	VV	42643	894334	20.69%	0.541%
122	8.566	8.554	8.576	VV	28552	361688	8.37%	0.219%
123	8.597	8.576	8.619	VV	75944	1203002	27.83%	0.728%
124	8.681	8.619	8.708	VV	152528	3225837	74.61%	1.951%
125	8.721	8.708	8.740	VV	32286	561167	12.98%	0.339%
126	8.758	8.740	8.781	VV	40404	791958	18.32%	0.479%
127	8.826	8.781	8.845	VV	42321	1248680	28.88%	0.755%
128	8.858	8.845	8.872	VV	31464	485788	11.24%	0.294%
129	8.904	8.872	8.925	VV	41667	1133808	26.22%	0.686%
130	8.942	8.925	8.957	VV	36235	686726	15.88%	0.415%
131	8.971	8.957	8.982	VV	35947	534963	12.37%	0.324%
132	8.990	8.982	9.018	VV	35709	671762	15.54%	0.406%
133	9.049	9.018	9.074	VV	44696	1134659	26.24%	0.686%
134	9.094	9.074	9.134	VV	33116	1015014	23.48%	0.614%
135	9.170	9.134	9.182	VV	32195	801287	18.53%	0.485%
136	9.201	9.182	9.233	VV	34125	925145	21.40%	0.560%
137	9.267	9.233	9.304	VV	38966	1362431	31.51%	0.824%
138	9.338	9.304	9.381	VV	62352	1954105	45.20%	1.182%
139	9.418	9.381	9.447	VV	56519	1518384	35.12%	0.919%
140	9.500	9.447	9.544	VV	51289	1995399	46.15%	1.207%
141	9.577	9.544	9.632	VV	28109	1394027	32.24%	0.843%

142	9.657	9.632	9.675	VV	31992	733904	16.98%	0.444%
143	9.698	9.675	9.727	VV	51778	1304993	30.18%	0.789%
144	9.743	9.727	9.762	VV	43484	777397	17.98%	0.470%
145	9.775	9.762	9.785	VV	32809	421971	9.76%	0.255%
146	9.803	9.785	9.833	VV	38477	1052438	24.34%	0.637%
147	9.847	9.833	9.891	VV	39340	1166689	26.99%	0.706%
148	9.918	9.891	9.933	VV	30427	746401	17.26%	0.452%
149	9.970	9.933	9.996	VV	36163	1242581	28.74%	0.752%
150	10.019	9.996	10.055	VV	35624	1099847	25.44%	0.665%
151	10.061	10.055	10.075	VV	30374	356385	8.24%	0.216%
152	10.130	10.075	10.159	VV	160812	3419706	79.10%	2.069%
153	10.209	10.159	10.246	VV	38299	1838958	42.53%	1.112%
154	10.276	10.246	10.299	VV	46957	1147368	26.54%	0.694%
155	10.319	10.299	10.346	VV	30840	812878	18.80%	0.492%
156	10.410	10.346	10.438	VV	45482	1922858	44.48%	1.163%
157	10.478	10.438	10.517	VV	47799	1912942	44.25%	1.157%
158	10.554	10.517	10.582	VV	244365	4323436	100.00%	2.615%
159	10.595	10.582	10.632	VV	45170	1132872	26.20%	0.685%
160	10.671	10.632	10.701	VV	36628	1429634	33.07%	0.865%
161	10.713	10.701	10.725	VV	35608	487318	11.27%	0.295%
162	10.745	10.725	10.781	VV	38350	1208099	27.94%	0.731%
163	10.820	10.781	10.838	VV	41278	1256197	29.06%	0.760%
164	10.872	10.838	10.915	VV	64371	1955323	45.23%	1.183%
165	10.960	10.915	10.978	VV	36713	1275055	29.49%	0.771%
166	11.010	10.978	11.021	VV	36229	905555	20.95%	0.548%
167	11.037	11.021	11.062	VV	35582	855435	19.79%	0.517%
168	11.086	11.062	11.098	VV	35389	732634	16.95%	0.443%
169	11.126	11.098	11.154	VV	37533	1213799	28.07%	0.734%
170	11.178	11.154	11.222	VV	48304	1604760	37.12%	0.971%
171	11.273	11.222	11.325	VV	150846	3789063	87.64%	2.292%
172	11.335	11.325	11.362	VV	36175	740708	17.13%	0.448%
173	11.380	11.362	11.400	VV	32546	713662	16.51%	0.432%
174	11.451	11.400	11.519	VV	41470	2479394	57.35%	1.500%
175	11.550	11.519	11.563	VV	36460	851284	19.69%	0.515%
176	11.578	11.563	11.602	VV	36296	772028	17.86%	0.467%
177	11.623	11.602	11.651	VV	32343	884193	20.45%	0.535%
178	11.673	11.651	11.714	VV	34220	1223347	28.30%	0.740%
179	11.733	11.714	11.770	VV	35514	1100119	25.45%	0.665%
180	11.789	11.770	11.801	VV	33706	596813	13.80%	0.361%
181	11.830	11.801	11.905	VV	63333	2417774	55.92%	1.463%
182	11.923	11.905	11.939	VV	30270	603362	13.96%	0.365%
183	11.972	11.939	12.023	VV	34781	1541900	35.66%	0.933%
184	12.048	12.023	12.090	VV	30808	1113487	25.75%	0.674%
185	12.149	12.090	12.176	VV	28529	1375054	31.80%	0.832%
186	12.206	12.176	12.221	VV	26377	691444	15.99%	0.418%
187	12.260	12.221	12.328	VV	25672	1536920	35.55%	0.930%
188	12.355	12.328	12.384	VV	27070	837375	19.37%	0.507%
189	12.410	12.384	12.464	VV	32181	1248138	28.87%	0.755%
190	12.489	12.464	12.538	VV	31922	1103884	25.53%	0.668%
191	12.552	12.538	12.570	VV	21468	404549	9.36%	0.245%
192	12.592	12.570	12.615	VV	22681	575423	13.31%	0.348%
193	12.634	12.615	12.693	VV	24268	939850	21.74%	0.569%
194	12.707	12.693	12.731	VV	18014	400658	9.27%	0.242%

195	12.764	12.731	12.798	VV	18794	713830	16.51%	0.432%
196	12.816	12.798	12.886	VV	18920	892428	20.64%	0.540%
197	12.930	12.886	12.959	VV	53895	1175207	27.18%	0.711%
198	12.984	12.959	13.017	VV	26841	744067	17.21%	0.450%
199	13.032	13.017	13.082	VV	17579	603509	13.96%	0.365%
200	13.100	13.082	13.120	VV	15333	329047	7.61%	0.199%
201	13.148	13.120	13.183	VV	14704	529043	12.24%	0.320%
202	13.200	13.183	13.244	VV	13701	467458	10.81%	0.283%
203	13.259	13.244	13.291	VV	13030	343003	7.93%	0.207%
204	13.324	13.291	13.355	VV	16739	519301	12.01%	0.314%
205	13.369	13.355	13.389	VV	13237	254194	5.88%	0.154%
206	13.409	13.389	13.454	VV	12337	441494	10.21%	0.267%
207	13.464	13.454	13.475	VV	10540	131919	3.05%	0.080%
208	13.505	13.475	13.565	VV	14205	633149	14.64%	0.383%
209	13.597	13.565	13.659	VV	13199	593198	13.72%	0.359%
210	13.678	13.659	13.715	VV	11746	319493	7.39%	0.193%
211	13.741	13.715	13.750	VV	8875	179723	4.16%	0.109%
212	13.762	13.750	13.802	VV	9072	268693	6.21%	0.163%
213	13.827	13.802	13.873	VV	9113	347756	8.04%	0.210%
214	13.918	13.873	13.955	VV	12142	450026	10.41%	0.272%
215	13.977	13.955	14.028	VV	8601	340162	7.87%	0.206%
216	14.066	14.028	14.113	VV	8553	385420	8.91%	0.233%
217	14.126	14.113	14.148	VV	7231	140761	3.26%	0.085%
218	14.185	14.148	14.220	VV	7730	290248	6.71%	0.176%
219	14.242	14.220	14.280	VV	6814	213334	4.93%	0.129%
220	14.314	14.280	14.338	VV	6995	216837	5.02%	0.131%
221	14.372	14.338	14.448	VV	8333	416168	9.63%	0.252%
222	14.488	14.448	14.517	VV	7215	251724	5.82%	0.152%
223	14.527	14.517	14.571	VV	6213	174786	4.04%	0.106%
224	14.584	14.571	14.594	VV	4872	64260	1.49%	0.039%
225	14.623	14.594	14.659	VV	8167	236498	5.47%	0.143%
226	14.690	14.659	14.727	VV	6018	207162	4.79%	0.125%
227	14.743	14.727	14.760	VV	4903	87799	2.03%	0.053%
228	14.785	14.760	14.826	VV	6942	223310	5.17%	0.135%
229	14.850	14.826	14.892	VV	5658	198599	4.59%	0.120%
230	14.923	14.892	14.968	VV	5944	226983	5.25%	0.137%
231	14.983	14.968	15.001	VV	4668	85740	1.98%	0.052%
232	15.036	15.001	15.102	VV	5654	300785	6.96%	0.182%
233	15.121	15.102	15.172	VV	5145	192316	4.45%	0.116%
234	15.213	15.172	15.270	VV	5555	281210	6.50%	0.170%
235	15.304	15.270	15.408	VV	7200	462002	10.69%	0.279%
236	15.426	15.408	15.461	VV	5015	145004	3.35%	0.088%
237	15.477	15.461	15.491	VV	4481	76243	1.76%	0.046%
238	15.517	15.491	15.535	VV	5215	120179	2.78%	0.073%
239	15.566	15.535	15.586	VV	5205	149322	3.45%	0.090%
240	15.617	15.586	15.683	VV	7400	333495	7.71%	0.202%
241	15.691	15.683	15.735	VV	5161	144882	3.35%	0.088%
242	15.755	15.735	15.780	VV	5364	132538	3.07%	0.080%
243	15.804	15.780	15.825	VV	7840	177125	4.10%	0.107%
244	15.835	15.825	15.915	VV	6286	283361	6.55%	0.171%
245	15.994	15.915	16.018	VV	7262	351220	8.12%	0.212%
246	16.047	16.018	16.070	VV	6376	178242	4.12%	0.108%

247	16.128	16.070	16.150	VV	7854	327726	7.58%	0.198%
248	16.163	16.150	16.214	VV	7037	231753	5.36%	0.140%
249	16.246	16.214	16.258	VV	6385	153726	3.56%	0.093%
250	16.286	16.258	16.309	VV	8172	201957	4.67%	0.122%
251	16.325	16.309	16.346	VV	6064	125287	2.90%	0.076%
252	16.355	16.346	16.411	VV	7124	223442	5.17%	0.135%
253	16.505	16.411	16.526	VV	8013	475645	11.00%	0.288%
254	16.533	16.526	16.543	VV	7160	70192	1.62%	0.042%
255	16.547	16.543	16.578	VV	7157	135570	3.14%	0.082%
256	16.612	16.578	16.666	VV	7629	350157	8.10%	0.212%
257	16.756	16.666	16.790	VV	10728	570702	13.20%	0.345%
258	16.800	16.790	16.821	VV	7125	128357	2.97%	0.078%
259	16.852	16.821	16.888	VV	7246	279951	6.48%	0.169%
260	16.981	16.888	17.023	VV	12204	669783	15.49%	0.405%
261	17.072	17.023	17.096	VV	8248	314491	7.27%	0.190%
262	17.153	17.096	17.178	VV	9452	393018	9.09%	0.238%
263	17.202	17.178	17.255	VV	10181	360410	8.34%	0.218%
264	17.264	17.255	17.278	VV	7353	95700	2.21%	0.058%
265	17.308	17.278	17.358	VV	10038	394154	9.12%	0.238%
266	17.391	17.358	17.456	VV	7344	387046	8.95%	0.234%
267	17.479	17.456	17.502	VV	7853	185782	4.30%	0.112%
268	17.570	17.502	17.603	VV	8785	458526	10.61%	0.277%
269	17.634	17.603	17.658	VV	11998	298664	6.91%	0.181%
270	17.674	17.658	17.726	VV	8015	283108	6.55%	0.171%
271	17.771	17.726	17.852	VV	16102	691521	15.99%	0.418%
272	17.871	17.852	17.892	VV	6686	150059	3.47%	0.091%
273	17.933	17.892	17.945	VV	7230	207567	4.80%	0.126%
274	17.970	17.945	17.988	VV	8615	193180	4.47%	0.117%
275	18.005	17.988	18.038	VV	7689	204705	4.73%	0.124%
276	18.059	18.038	18.080	VV	9874	201865	4.67%	0.122%
277	18.137	18.080	18.186	VV	17600	560980	12.98%	0.339%
278	18.202	18.186	18.235	VV	5779	157435	3.64%	0.095%
279	18.294	18.235	18.325	VV	6421	301906	6.98%	0.183%
280	18.338	18.325	18.388	VV	6369	218216	5.05%	0.132%
281	18.399	18.388	18.404	VV	4939	46240	1.07%	0.028%
282	18.468	18.404	18.505	VV	9558	370209	8.56%	0.224%
283	18.513	18.505	18.529	VV	4870	68006	1.57%	0.041%
284	18.559	18.529	18.585	VV	8661	205544	4.75%	0.124%
285	18.608	18.585	18.637	VV	7405	186130	4.31%	0.113%
286	18.656	18.637	18.708	VV	5505	211959	4.90%	0.128%
287	18.731	18.708	18.795	VV	5550	254118	5.88%	0.154%
288	18.803	18.795	18.838	VV	4670	118187	2.73%	0.071%
289	18.865	18.838	18.925	VV	8500	329827	7.63%	0.200%
290	18.959	18.925	18.998	VV	6012	199587	4.62%	0.121%
291	19.047	18.998	19.131	VV	5648	361048	8.35%	0.218%
292	19.152	19.131	19.175	VV	4404	107113	2.48%	0.065%
293	19.181	19.175	19.195	VV	4015	47348	1.10%	0.029%
294	19.200	19.195	19.213	VV	4073	42865	0.99%	0.026%
295	19.256	19.213	19.333	VV	9305	422414	9.77%	0.256%
296	19.362	19.333	19.394	VV	4912	154693	3.58%	0.094%
297	19.455	19.394	19.475	VV	5026	209167	4.84%	0.127%
298	19.534	19.475	19.571	VV	5187	279735	6.47%	0.169%
299	19.581	19.571	19.596	VV	4745	69284	1.60%	0.042%

rteres

300	19.624	19.596	19.648	VV	7648	196132	4.54%	0.119%
301	19.661	19.648	19.714	VV	7348	235172	5.44%	0.142%
302	19.765	19.714	19.811	VV	5845	304175	7.04%	0.184%
303	19.825	19.811	19.838	VV	5130	78667	1.82%	0.048%
304	19.863	19.838	19.883	VV	5636	140738	3.26%	0.085%
305	19.899	19.883	19.917	VV	5593	106421	2.46%	0.064%
306	19.952	19.917	19.962	VV	6202	156922	3.63%	0.095%
307	19.987	19.962	20.021	VV	8163	242830	5.62%	0.147%
308	20.050	20.021	20.068	VV	7090	179910	4.16%	0.109%
309	20.080	20.068	20.100	VV	6046	115215	2.66%	0.070%
310	20.161	20.100	20.207	VV	7103	412906	9.55%	0.250%
311	20.250	20.207	20.287	VV	6544	297087	6.87%	0.180%
312	20.341	20.287	20.398	VV	8314	449491	10.40%	0.272%
313	20.439	20.398	20.447	VV	6950	192905	4.46%	0.117%
314	20.454	20.447	20.478	VV	7102	125185	2.90%	0.076%
315	20.487	20.478	20.524	VV	6522	174225	4.03%	0.105%
316	20.561	20.524	20.644	VV	7402	447250	10.34%	0.271%
317	20.711	20.644	20.752	VV	6657	364378	8.43%	0.220%
318	20.784	20.752	20.825	VV	5282	219821	5.08%	0.133%
319	20.836	20.825	20.851	VV	5171	80294	1.86%	0.049%
320	20.856	20.851	20.866	VV	5040	44345	1.03%	0.027%
321	20.870	20.866	20.936	VV	4862	184904	4.28%	0.112%
322	20.950	20.936	20.965	VV	3861	66820	1.55%	0.040%
323	20.973	20.965	20.984	VV	3659	39798	0.92%	0.024%
324	20.997	20.984	21.008	VV	3776	52468	1.21%	0.032%
325	21.020	21.008	21.061	VV	3861	114200	2.64%	0.069%
326	21.068	21.061	21.076	VV	3393	29304	0.68%	0.018%
327	21.126	21.076	21.217	VV	4437	303654	7.02%	0.184%
328	21.228	21.217	21.281	VV	3320	108210	2.50%	0.065%
329	21.291	21.281	21.301	VV	2356	28278	0.65%	0.017%
330	21.310	21.301	21.319	VV	2495	26123	0.60%	0.016%
331	21.326	21.319	21.343	VV	2442	32638	0.75%	0.020%
332	21.361	21.343	21.391	VV	2432	65151	1.51%	0.039%
333	21.424	21.391	21.451	VV	2493	82810	1.92%	0.050%
334	21.482	21.451	21.520	VV	2422	88418	2.05%	0.053%
335	21.541	21.520	21.552	VV	2037	37103	0.86%	0.022%
336	21.589	21.552	21.714	VV	2799	171639	3.97%	0.104%
337	21.725	21.714	21.741	VV	1434	21415	0.50%	0.013%
338	21.751	21.741	21.795	VV	1536	42511	0.98%	0.026%
339	21.824	21.795	21.845	VV	1409	38473	0.89%	0.023%
340	21.847	21.845	21.935	VV	1398	50922	1.18%	0.031%
341	21.949	21.935	21.977	VV	520	10147	0.23%	0.006%
342	21.988	21.977	22.001	VV	290	3315	0.08%	0.002%
343	22.011	22.001	22.038	VV	418	4592	0.11%	0.003%
344	22.047	22.038	22.058	VV	262	1892	0.04%	0.001%
345	22.069	22.058	22.090	VV	174	1962	0.05%	0.001%

Sum of corrected areas: 165309810

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3DL		SDG No.:	P4518	
Lab Sample ID:	P4518-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FD048612.D	10	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.86		3.56	7.92	mg/kg
Aromatic C12-C16	Aromatic C12-C16	73.3		4.04	11.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	251		11.4	19.8	mg/kg
Aromatic C21-C36	Aromatic C21-C36	45.8		23.8	31.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.91		40 - 140	138%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	6.24		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.99		40 - 140	80%	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:	P4518-03DL	Acq On:	29 Oct 2024 07:42
Client Sample ID:	EX-5-TPH-3DL	Operator:	YP/AJ
Data file:	FD048612.D	Misc:	
Instrument:	FID_D	ALS Vial:	75
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	2193034	12.446	200	ug/ml
Aromatic C12-C16	5.813	8.417	16405999	92.546	300	ug/ml
Aromatic C16-C21	8.418	12.677	52119207	318.125	500	ug/ml
Aromatic C21-C36	12.678	18.081	8834216	57.848	800	ug/ml
Aromatic EPH	4.094	18.081	79552456	480.966		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	1049399	6.91		ug/ml
2-Flurobiphenyl (SURR)	8.219	8.219	612546	6.24		ug/ml
ortho-Terphenyl (SURR)	11.251	11.251	680038	3.99		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048612.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 07:42
Operator : YP/AJ
Sample : P4518-03DL 10X
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	1049399	6.914 ug/mlm
Spiked Amount 50.000		Recovery =	13.83%
6) S 2-Flurobiphenyl (SURR)	8.219	612546	6.238 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	12.48%
11) S ortho-Terphenyl (SURR)	11.251	680038	3.992 ug/mlm
Spiked Amount 50.000		Recovery =	7.98%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048612.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 07:42
Operator : YP/AJ
Sample : P4518-03DL 10X
Misc :
ALS Vial : 75 Sample Multiplier: 1

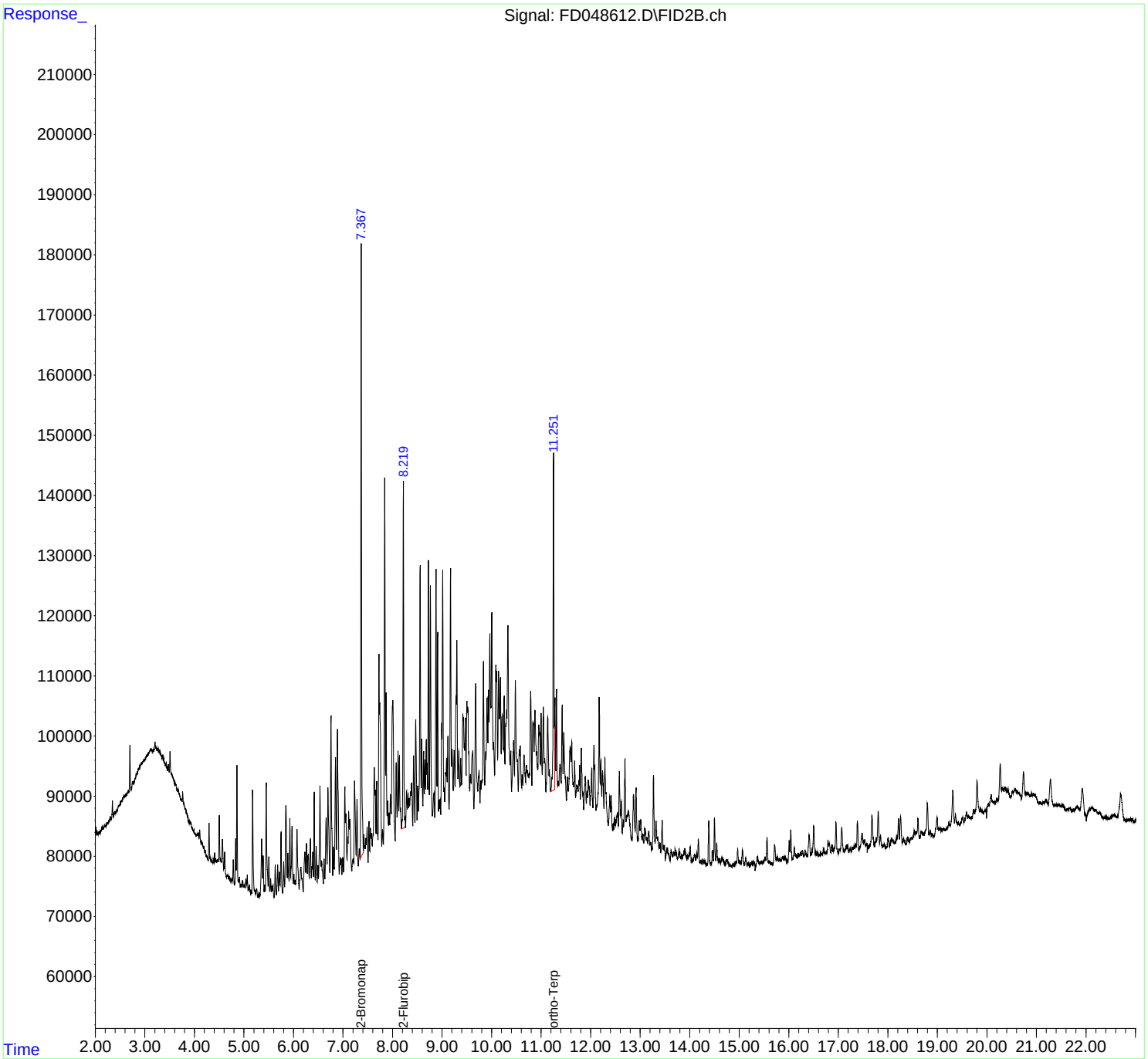
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

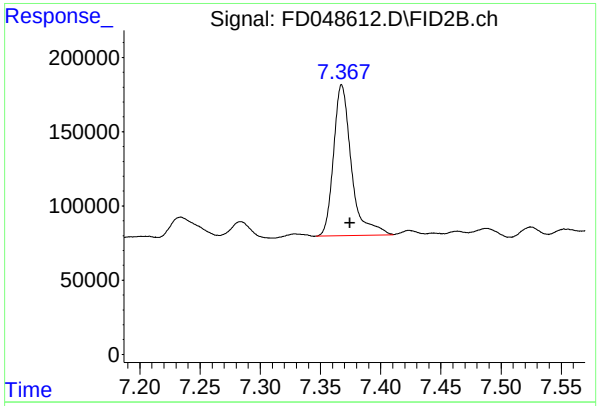
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:38:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





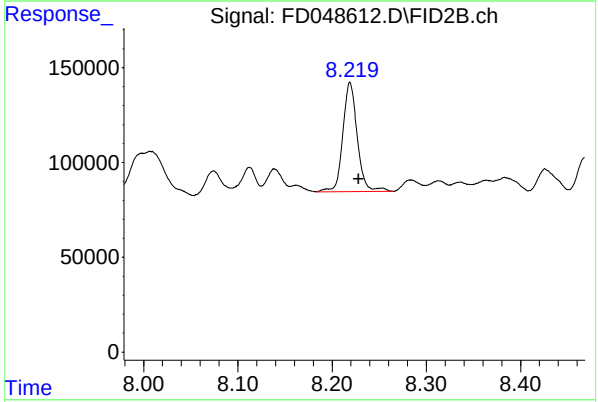
#4 2-Bromonaphthalene (SURR)

R.T.: 7.367 min
Delta R.T.: -0.007 mi
Response: 1049399
Conc: 6.91 ug/m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

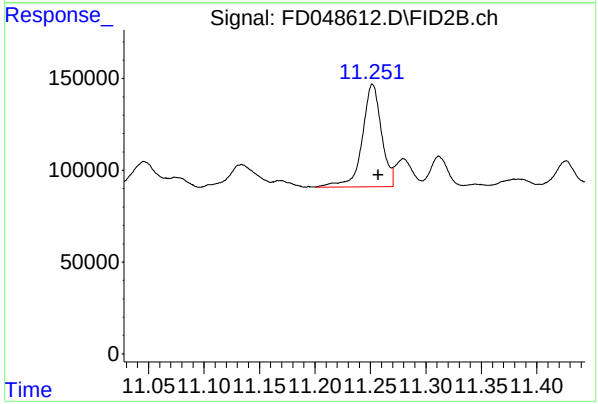
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.219 min
Delta R.T.: -0.010 min
Response: 612546
Conc: 6.24 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.251 min
Delta R.T.: -0.006 min
Response: 680038
Conc: 3.99 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048612.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 07:42
Sample : P4518-03DL 10X
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.066	4.042	4.072	BV	772	8159	0.62%	0.010%
2	4.080	4.072	4.091	VV	1188	9708	0.74%	0.012%
3	4.107	4.091	4.152	VV	2106	31979	2.44%	0.040%
4	4.157	4.152	4.185	VV	825	11243	0.86%	0.014%
5	4.192	4.185	4.211	VV	774	8161	0.62%	0.010%
6	4.219	4.211	4.278	VV	616	7620	0.58%	0.009%
7	4.296	4.278	4.335	PV	6348	65329	4.99%	0.081%
8	4.344	4.335	4.369	VV	568	7276	0.56%	0.009%
9	4.382	4.369	4.393	VV	1055	10074	0.77%	0.012%
10	4.409	4.393	4.419	VV	2235	20459	1.56%	0.025%
11	4.429	4.419	4.447	VV	1477	19102	1.46%	0.024%
12	4.459	4.447	4.485	VV	1490	31998	2.44%	0.040%
13	4.501	4.485	4.520	VV	9234	99641	7.61%	0.124%
14	4.528	4.520	4.543	VV	2301	27827	2.12%	0.035%
15	4.565	4.543	4.594	VV	5733	94656	7.23%	0.117%
16	4.610	4.594	4.646	VV	3973	49664	3.79%	0.062%
17	4.657	4.646	4.663	PV	450	2834	0.22%	0.004%
18	4.674	4.663	4.690	VV	715	6538	0.50%	0.008%
19	4.702	4.690	4.722	VV	676	5451	0.42%	0.007%
20	4.727	4.722	4.747	PV	229	2100	0.16%	0.003%
21	4.759	4.747	4.764	VV	623	3802	0.29%	0.005%
22	4.785	4.764	4.810	VV	4021	40859	3.12%	0.051%
23	4.833	4.810	4.844	PV	7787	70606	5.39%	0.088%
24	4.859	4.844	4.885	VV	20075	200866	15.34%	0.249%
25	4.892	4.885	4.899	VV	950	7460	0.57%	0.009%
26	4.910	4.899	4.926	VV	1720	17588	1.34%	0.022%
27	4.941	4.926	4.956	VV	619	8636	0.66%	0.011%
28	4.969	4.956	4.992	VV	1422	19765	1.51%	0.025%
29	5.010	4.992	5.027	VV	853	13905	1.06%	0.017%
30	5.041	5.027	5.054	VV	2018	23555	1.80%	0.029%
31	5.068	5.054	5.090	VV	2770	29175	2.23%	0.036%
32	5.106	5.090	5.121	VV	1185	13619	1.04%	0.017%
33	5.125	5.121	5.136	VV	570	2874	0.22%	0.004%
34	5.149	5.136	5.156	PV	391	2282	0.17%	0.003%
35	5.175	5.156	5.232	VV	17262	199419	15.22%	0.247%
36	5.258	5.232	5.279	VV	1293	18907	1.44%	0.023%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.303	5.279	5.311	PV	357	4615	0.35%	0.006%
38	5.358	5.311	5.377	VV	9688	146852	11	
39	5.389	5.377	5.406	VV	6828	68397	5	
40	5.418	5.406	5.431	VV	1970	22075	1	
41	5.450	5.431	5.489	VV	18959	254261	19	
42	5.503	5.489	5.527	VV	6728	72058	5	
43	5.540	5.527	5.554	VV	3032	32405	2.47%	0.040%
44	5.563	5.554	5.573	VV	1822	16934	1.29%	0.021%
45	5.584	5.573	5.612	VV	2029	21656	1.65%	0.027%
46	5.632	5.612	5.655	PV	5311	54711	4.18%	0.068%
47	5.682	5.655	5.698	VV	5243	68653	5.24%	0.085%
48	5.715	5.698	5.729	VV	4123	51436	3.93%	0.064%
49	5.749	5.729	5.782	VV	10796	135445	10.34%	0.168%
50	5.803	5.782	5.820	VV	5738	68266	5.21%	0.085%
51	5.847	5.820	5.874	VV	14954	257428	19.65%	0.319%
52	5.887	5.874	5.912	VV	7207	104114	7.95%	0.129%
53	5.928	5.912	5.944	VV	12853	134060	10.23%	0.166%
54	5.970	5.944	5.995	VV	11609	179684	13.72%	0.223%
55	6.010	5.995	6.021	VV	3597	43103	3.29%	0.053%
56	6.029	6.021	6.040	VV	2609	25863	1.97%	0.032%
57	6.072	6.040	6.115	VV	10966	214999	16.41%	0.267%
58	6.151	6.115	6.196	VV	4741	138553	10.58%	0.172%
59	6.231	6.196	6.246	VV	7180	135145	10.32%	0.168%
60	6.263	6.246	6.278	VV	8599	119881	9.15%	0.149%
61	6.299	6.278	6.318	VV	6787	126601	9.67%	0.157%
62	6.342	6.318	6.360	VV	9258	148853	11.36%	0.185%
63	6.390	6.360	6.404	VV	7140	128788	9.83%	0.160%
64	6.419	6.404	6.442	VV	17062	189527	14.47%	0.235%
65	6.460	6.442	6.478	VV	8037	104053	7.94%	0.129%
66	6.495	6.478	6.506	VV	4837	59145	4.52%	0.073%
67	6.536	6.506	6.553	VV	18096	247531	18.90%	0.307%
68	6.561	6.553	6.603	VV	5546	125597	9.59%	0.156%
69	6.619	6.603	6.635	VV	5889	76603	5.85%	0.095%
70	6.659	6.635	6.679	VV	12627	211094	16.12%	0.262%
71	6.697	6.679	6.734	VV	17749	335927	25.65%	0.417%
72	6.758	6.734	6.793	VV	29659	469143	35.82%	0.582%
73	6.807	6.793	6.823	VV	7821	98152	7.49%	0.122%
74	6.850	6.823	6.869	VV	22568	357491	27.29%	0.444%
75	6.889	6.869	6.924	VV	27261	482538	36.84%	0.599%
76	6.945	6.924	6.954	VV	5596	84121	6.42%	0.104%
77	6.964	6.954	6.979	VV	5682	71079	5.43%	0.088%
78	6.996	6.979	7.013	VV	5902	93323	7.12%	0.116%
79	7.038	7.013	7.049	VV	17675	232497	17.75%	0.288%
80	7.058	7.049	7.081	VV	13196	189503	14.47%	0.235%
81	7.096	7.081	7.102	VV	9360	98746	7.54%	0.123%
82	7.116	7.102	7.126	VV	13545	163755	12.50%	0.203%
83	7.136	7.126	7.179	VV	12134	261349	19.95%	0.324%
84	7.203	7.179	7.215	VV	5592	109340	8.35%	0.136%
85	7.234	7.215	7.267	VV	18490	363831	27.78%	0.451%
86	7.284	7.267	7.311	VV	15483	239907	18.32%	0.298%
87	7.329	7.311	7.345	VV	7208	125516	9.58%	0.156%
88	7.368	7.345	7.411	VV	107233	1291230	98.58%	1.602%
89	7.424	7.411	7.437	VV	9508	128311	9.80%	0.159%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

90	7.444	7.437	7.454	VV	7662	72285	5.52%	0.090%
91	7.464	7.454	7.473	VV	8930	94707	7	
92	7.488	7.473	7.509	VV	10807	181120	13	
93	7.525	7.509	7.539	VV	11693	161242	12	
94	7.554	7.539	7.567	VV	10180	148890	11	
95	7.576	7.567	7.590	VV	9622	122425	9	
96	7.632	7.590	7.647	VV	20582	457651	34.94%	0.568%
97	7.653	7.647	7.667	VV	16806	175155	13.37%	0.217%
98	7.680	7.667	7.709	VV	18168	306313	23.39%	0.380%
99	7.726	7.709	7.736	VV	39171	432161	32.99%	0.536%
100	7.742	7.736	7.784	VV	31320	594218	45.37%	0.737%
101	7.800	7.784	7.817	VV	10198	176981	13.51%	0.220%
102	7.843	7.817	7.859	VV	68644	870592	66.47%	1.080%
103	7.871	7.859	7.890	VV	32863	414438	31.64%	0.514%
104	7.901	7.890	7.917	VV	14992	212983	16.26%	0.264%
105	7.931	7.917	7.944	VV	12857	188871	14.42%	0.234%
106	7.958	7.944	7.975	VV	15979	259435	19.81%	0.322%
107	8.007	7.975	8.053	VV	31539	956411	73.02%	1.187%
108	8.074	8.053	8.093	VV	21166	356539	27.22%	0.442%
109	8.112	8.093	8.125	VV	23112	328610	25.09%	0.408%
110	8.139	8.125	8.156	VV	22266	322139	24.59%	0.400%
111	8.162	8.156	8.183	VV	13578	193894	14.80%	0.241%
112	8.219	8.183	8.244	VV	67962	976553	74.56%	1.212%
113	8.253	8.244	8.265	VV	12092	139077	10.62%	0.173%
114	8.284	8.265	8.299	VV	16301	287931	21.98%	0.357%
115	8.313	8.299	8.325	VV	15851	229501	17.52%	0.285%
116	8.336	8.325	8.348	VV	15223	196513	15.00%	0.244%
117	8.364	8.348	8.372	VV	16187	221672	16.92%	0.275%
118	8.383	8.372	8.409	VV	17622	337864	25.79%	0.419%
119	8.426	8.409	8.451	VV	21967	414891	31.68%	0.515%
120	8.469	8.451	8.496	VV	28179	526259	40.18%	0.653%
121	8.510	8.496	8.523	VV	17141	234710	17.92%	0.291%
122	8.557	8.523	8.578	VV	53635	907202	69.26%	1.126%
123	8.591	8.578	8.613	VV	24920	407557	31.12%	0.506%
124	8.629	8.613	8.642	VV	22768	321557	24.55%	0.399%
125	8.655	8.642	8.668	VV	21395	287282	21.93%	0.356%
126	8.681	8.668	8.693	VV	24757	318473	24.31%	0.395%
127	8.700	8.693	8.709	VV	20822	194838	14.88%	0.242%
128	8.725	8.709	8.743	VV	54510	650229	49.64%	0.807%
129	8.766	8.743	8.804	VV	50326	929292	70.95%	1.153%
130	8.837	8.804	8.853	VV	15795	408632	31.20%	0.507%
131	8.879	8.853	8.897	VV	53037	762430	58.21%	0.946%
132	8.911	8.897	8.930	VV	42488	528528	40.35%	0.656%
133	8.941	8.930	8.952	VV	14470	179798	13.73%	0.223%
134	8.962	8.952	8.975	VV	14570	186950	14.27%	0.232%
135	8.993	8.975	8.999	VV	27144	299559	22.87%	0.372%
136	9.014	8.999	9.035	VV	52754	732408	55.92%	0.909%
137	9.041	9.035	9.055	VV	16447	187821	14.34%	0.233%
138	9.072	9.055	9.082	VV	18999	282065	21.53%	0.350%
139	9.092	9.082	9.104	VV	21481	258990	19.77%	0.321%
140	9.119	9.104	9.143	VV	25069	451375	34.46%	0.560%
141	9.172	9.143	9.193	VV	52925	884279	67.51%	1.097%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.203	9.193	9.225	VV	22805	386523	29.51%	0.480%
143	9.245	9.225	9.262	VV	22602	430874	32	
144	9.282	9.262	9.287	VV	31756	393602	30	
145	9.300	9.287	9.324	VV	40969	638677	48	
146	9.339	9.324	9.363	VV	22416	456158	34	
147	9.378	9.363	9.395	VV	21287	369262	28	
148	9.420	9.395	9.427	VV	28553	443115	33.83%	0.550%
149	9.433	9.427	9.447	VV	28128	307573	23.48%	0.382%
150	9.452	9.447	9.458	VV	23571	153976	11.76%	0.191%
151	9.471	9.458	9.486	VV	27940	397913	30.38%	0.494%
152	9.503	9.486	9.513	VV	30748	437861	33.43%	0.543%
153	9.520	9.513	9.558	VV	29742	638722	48.76%	0.792%
154	9.573	9.558	9.590	VV	18418	327861	25.03%	0.407%
155	9.621	9.590	9.644	VV	22418	623623	47.61%	0.774%
156	9.679	9.644	9.720	VV	33636	951888	72.67%	1.181%
157	9.748	9.720	9.768	VV	19120	490454	37.44%	0.609%
158	9.781	9.768	9.791	VV	17334	224921	17.17%	0.279%
159	9.803	9.791	9.809	VV	17310	186965	14.27%	0.232%
160	9.837	9.809	9.863	VV	37271	775327	59.19%	0.962%
161	9.882	9.863	9.889	VV	22013	299822	22.89%	0.372%
162	9.910	9.889	9.926	VV	30965	598136	45.67%	0.742%
163	9.940	9.926	9.950	VV	32385	409702	31.28%	0.508%
164	9.966	9.950	9.989	VV	41777	777603	59.37%	0.965%
165	10.004	9.989	10.035	VV	45373	917215	70.03%	1.138%
166	10.042	10.035	10.062	VV	23681	351128	26.81%	0.436%
167	10.086	10.062	10.095	VV	36448	566922	43.28%	0.703%
168	10.104	10.095	10.124	VV	35296	524636	40.05%	0.651%
169	10.142	10.124	10.159	VV	35357	599911	45.80%	0.744%
170	10.179	10.159	10.194	VV	34359	625298	47.74%	0.776%
171	10.216	10.194	10.239	VV	28155	675265	51.55%	0.838%
172	10.255	10.239	10.270	VV	31313	494224	37.73%	0.613%
173	10.288	10.270	10.292	VV	26595	326184	24.90%	0.405%
174	10.305	10.292	10.311	VV	28929	308122	23.52%	0.382%
175	10.331	10.311	10.377	VV	42955	1148834	87.71%	1.425%
176	10.388	10.377	10.405	VV	21848	324673	24.79%	0.403%
177	10.446	10.405	10.462	VV	23808	683251	52.16%	0.848%
178	10.482	10.462	10.540	VV	33680	1062388	81.11%	1.318%
179	10.561	10.540	10.570	VV	22218	346227	26.43%	0.430%
180	10.580	10.570	10.607	VV	22793	438470	33.48%	0.544%
181	10.619	10.607	10.633	VV	17961	267382	20.41%	0.332%
182	10.657	10.633	10.689	VV	21130	627815	47.93%	0.779%
183	10.703	10.689	10.714	VV	19386	278460	21.26%	0.345%
184	10.719	10.714	10.740	VV	18717	291016	22.22%	0.361%
185	10.744	10.740	10.753	VV	17893	133191	10.17%	0.165%
186	10.791	10.753	10.816	VV	31613	852909	65.12%	1.058%
187	10.834	10.816	10.840	VV	26636	343217	26.20%	0.426%
188	10.845	10.840	10.860	VV	26396	282428	21.56%	0.350%
189	10.877	10.860	10.902	VV	28382	630315	48.12%	0.782%
190	10.909	10.902	10.936	VV	21604	413543	31.57%	0.513%
191	10.955	10.936	10.987	VV	26088	714765	54.57%	0.887%
192	11.001	10.987	11.025	VV	27943	507522	38.75%	0.630%
193	11.046	11.025	11.069	VV	28891	612433	46.76%	0.760%
194	11.074	11.069	11.096	VV	20460	302658	23.11%	0.376%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.134	11.096	11.161	VV	27249	795511	60.73%	0.987%
196	11.168	11.161	11.200	VV	18522	388285	29	
197	11.252	11.200	11.270	VV	71134	1309834	100	
198	11.280	11.270	11.296	VV	30480	406748	31	
199	11.312	11.296	11.334	VV	31799	516224	39	
200	11.345	11.334	11.357	VV	16569	223941	17	
201	11.382	11.357	11.404	VV	19189	500782	38.23%	0.621%
202	11.426	11.404	11.444	VV	29263	536997	41.00%	0.666%
203	11.459	11.444	11.487	VV	24446	534153	40.78%	0.663%
204	11.492	11.487	11.510	VV	17269	213347	16.29%	0.265%
205	11.533	11.510	11.550	VV	17081	364569	27.83%	0.452%
206	11.587	11.550	11.603	VV	22201	614115	46.88%	0.762%
207	11.618	11.603	11.645	VV	23086	488292	37.28%	0.606%
208	11.650	11.645	11.662	VV	16228	155334	11.86%	0.193%
209	11.679	11.662	11.696	VV	19722	344010	26.26%	0.427%
210	11.719	11.696	11.729	VV	15770	293583	22.41%	0.364%
211	11.734	11.729	11.745	VV	15526	152222	11.62%	0.189%
212	11.778	11.745	11.793	VV	19029	464307	35.45%	0.576%
213	11.813	11.793	11.862	VV	21762	661871	50.53%	0.821%
214	11.894	11.862	11.913	VV	17141	458748	35.02%	0.569%
215	11.927	11.913	11.937	VV	14470	198690	15.17%	0.247%
216	11.954	11.937	11.967	VV	16404	273696	20.90%	0.340%
217	11.972	11.967	11.990	VV	15306	190924	14.58%	0.237%
218	12.023	11.990	12.048	VV	18281	507902	38.78%	0.630%
219	12.066	12.048	12.109	VV	22219	604606	46.16%	0.750%
220	12.174	12.109	12.194	VV	30156	865071	66.04%	1.073%
221	12.208	12.194	12.226	VV	19738	329170	25.13%	0.408%
222	12.241	12.226	12.269	VV	17819	398026	30.39%	0.494%
223	12.287	12.269	12.357	VV	20026	691642	52.80%	0.858%
224	12.386	12.357	12.403	VV	13578	314101	23.98%	0.390%
225	12.415	12.403	12.444	VV	13564	259439	19.81%	0.322%
226	12.455	12.444	12.469	VV	8927	126317	9.64%	0.157%
227	12.484	12.469	12.499	VV	9934	166292	12.70%	0.206%
228	12.543	12.499	12.561	VV	10724	365172	27.88%	0.453%
229	12.581	12.561	12.607	VV	17643	346444	26.45%	0.430%
230	12.619	12.607	12.639	VV	12501	195337	14.91%	0.242%
231	12.655	12.639	12.665	VV	9471	137420	10.49%	0.170%
232	12.694	12.665	12.713	VV	19626	379832	29.00%	0.471%
233	12.733	12.713	12.737	VV	10263	142544	10.88%	0.177%
234	12.742	12.737	12.747	VV	10200	57240	4.37%	0.071%
235	12.761	12.747	12.830	VV	10873	437826	33.43%	0.543%
236	12.866	12.830	12.898	VV	13553	387794	29.61%	0.481%
237	12.917	12.898	12.954	VV	14742	316507	24.16%	0.393%
238	12.981	12.954	12.994	VV	9089	181224	13.84%	0.225%
239	13.015	12.994	13.037	VV	9332	212325	16.21%	0.263%
240	13.055	13.037	13.071	VV	6895	127271	9.72%	0.158%
241	13.094	13.071	13.127	VV	7873	225812	17.24%	0.280%
242	13.136	13.127	13.151	VV	6228	86842	6.63%	0.108%
243	13.172	13.151	13.195	VV	7215	166307	12.70%	0.206%
244	13.213	13.195	13.236	VV	5426	123940	9.46%	0.154%
245	13.269	13.236	13.300	VV	16648	332084	25.35%	0.412%
246	13.321	13.300	13.382	VV	8949	315612	24.10%	0.392%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.398	13.382	13.419	VV	5312	102991	7.86%	0.128%
248	13.443	13.419	13.470	VV	9097	184782	14	
249	13.482	13.470	13.506	VV	4700	88654	6	
250	13.543	13.506	13.564	VV	4415	128272	9	
251	13.568	13.564	13.602	VV	3580	70137	5	
252	13.624	13.602	13.659	VV	4066	110898	8	
253	13.675	13.659	13.688	VV	3621	59664	4.56%	0.074%
254	13.705	13.688	13.727	VV	4096	82689	6.31%	0.103%
255	13.732	13.727	13.753	VV	3550	47111	3.60%	0.058%
256	13.786	13.753	13.819	VV	4186	124224	9.48%	0.154%
257	13.832	13.819	13.850	VV	3134	51910	3.96%	0.064%
258	13.900	13.850	13.940	VV	4159	176162	13.45%	0.219%
259	13.954	13.940	13.966	VV	2907	43459	3.32%	0.054%
260	14.006	13.966	14.039	VV	4371	133990	10.23%	0.166%
261	14.043	14.039	14.054	VV	2178	18392	1.40%	0.023%
262	14.069	14.054	14.076	VV	2378	30167	2.30%	0.037%
263	14.093	14.076	14.098	VV	3018	35147	2.68%	0.044%
264	14.104	14.098	14.118	VV	2942	31482	2.40%	0.039%
265	14.142	14.118	14.155	VV	3385	63358	4.84%	0.079%
266	14.174	14.155	14.206	VV	5497	101806	7.77%	0.126%
267	14.224	14.206	14.240	VV	2070	37129	2.83%	0.046%
268	14.263	14.240	14.287	VV	2122	49057	3.75%	0.061%
269	14.297	14.287	14.302	VV	2013	15954	1.22%	0.020%
270	14.307	14.302	14.337	VV	2031	33565	2.56%	0.042%
271	14.383	14.337	14.414	VV	8526	152877	11.67%	0.190%
272	14.418	14.414	14.429	VV	1563	12930	0.99%	0.016%
273	14.435	14.429	14.439	VV	1413	8453	0.65%	0.010%
274	14.459	14.439	14.478	VV	3588	58705	4.48%	0.073%
275	14.499	14.478	14.524	VV	8830	133721	10.21%	0.166%
276	14.545	14.524	14.591	VV	4623	108673	8.30%	0.135%
277	14.605	14.591	14.623	VV	2159	33460	2.55%	0.042%
278	14.652	14.623	14.659	VV	2193	40055	3.06%	0.050%
279	14.666	14.659	14.720	VV	2260	58000	4.43%	0.072%
280	14.740	14.720	14.822	VV	1869	82879	6.33%	0.103%
281	14.825	14.822	14.837	VV	907	7613	0.58%	0.009%
282	14.847	14.837	14.865	VV	836	13394	1.02%	0.017%
283	14.881	14.865	14.902	VV	1205	21733	1.66%	0.027%
284	14.922	14.902	14.929	VV	1422	19729	1.51%	0.024%
285	14.967	14.929	14.997	VV	3795	82749	6.32%	0.103%
286	15.003	14.997	15.033	VV	1474	27835	2.13%	0.035%
287	15.065	15.033	15.099	VV	3370	73676	5.62%	0.091%
288	15.102	15.099	15.107	VV	1020	5342	0.41%	0.007%
289	15.129	15.107	15.164	VV	2085	45785	3.50%	0.057%
290	15.172	15.164	15.181	VV	1114	9789	0.75%	0.012%
291	15.193	15.181	15.217	VV	1151	19260	1.47%	0.024%
292	15.234	15.217	15.240	VV	1155	12542	0.96%	0.016%
293	15.246	15.240	15.266	VV	1230	15470	1.18%	0.019%
294	15.283	15.266	15.295	VV	1319	18076	1.38%	0.022%
295	15.302	15.295	15.320	VV	1120	13818	1.05%	0.017%
296	15.327	15.320	15.332	PV	674	2651	0.20%	0.003%
297	15.362	15.332	15.401	VV	2036	53289	4.07%	0.066%
298	15.411	15.401	15.431	VV	1147	16754	1.28%	0.021%
299	15.451	15.431	15.459	VV	1241	17266	1.32%	0.021%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

300	15.462	15.459	15.469	VV	1016	6019	0.46%	0.007%
301	15.487	15.469	15.498	VV	1144	18537		
302	15.520	15.498	15.536	VV	1757	31915		
303	15.560	15.536	15.587	VV	5052	80580		
304	15.594	15.587	15.599	VV	970	6340		
305	15.607	15.599	15.614	VV	1005	7439		
306	15.617	15.614	15.645	VV	1031	13565	1.04%	0.017%
307	15.656	15.645	15.680	VV	643	9510	0.73%	0.012%
308	15.714	15.680	15.746	VV	3598	76133	5.81%	0.094%
309	15.769	15.746	15.792	VV	1569	32420	2.48%	0.040%
310	15.801	15.792	15.815	VV	1102	13080	1.00%	0.016%
311	15.822	15.815	15.839	VV	1134	14159	1.08%	0.018%
312	15.847	15.839	15.852	VV	865	5905	0.45%	0.007%
313	15.873	15.852	15.901	VV	1389	32155	2.45%	0.040%
314	15.926	15.901	15.960	VV	1409	34993	2.67%	0.043%
315	15.973	15.960	15.985	VV	618	7404	0.57%	0.009%
316	16.007	15.985	16.022	VV	3909	53676	4.10%	0.067%
317	16.039	16.022	16.082	VV	5495	91763	7.01%	0.114%
318	16.113	16.082	16.132	VV	2677	50000	3.82%	0.062%
319	16.137	16.132	16.150	VV	1312	13623	1.04%	0.017%
320	16.155	16.150	16.172	VV	1259	13545	1.03%	0.017%
321	16.191	16.172	16.210	VV	1610	26952	2.06%	0.033%
322	16.239	16.210	16.262	VV	1553	42388	3.24%	0.053%
323	16.279	16.262	16.297	VV	1897	33160	2.53%	0.041%
324	16.302	16.297	16.312	VV	1214	8997	0.69%	0.011%
325	16.327	16.312	16.376	VV	1916	47614	3.64%	0.059%
326	16.413	16.376	16.444	VV	4315	98721	7.54%	0.122%
327	16.503	16.444	16.535	VV	5694	128920	9.84%	0.160%
328	16.546	16.535	16.564	VV	1404	18681	1.43%	0.023%
329	16.580	16.564	16.613	VV	1265	25907	1.98%	0.032%
330	16.637	16.613	16.649	VV	1177	18540	1.42%	0.023%
331	16.662	16.649	16.680	VV	916	15973	1.22%	0.020%
332	16.700	16.680	16.724	VV	1703	32088	2.45%	0.040%
333	16.726	16.724	16.747	VV	978	13018	0.99%	0.016%
334	16.791	16.747	16.809	VV	2971	62106	4.74%	0.077%
335	16.814	16.809	16.847	VV	2398	40035	3.06%	0.050%
336	16.875	16.847	16.897	VV	2038	43055	3.29%	0.053%
337	16.952	16.897	17.002	VV	5789	126886	9.69%	0.157%
338	17.018	17.002	17.030	VV	1218	16241	1.24%	0.020%
339	17.034	17.030	17.040	VV	1059	5832	0.45%	0.007%
340	17.068	17.040	17.114	VV	4690	102202	7.80%	0.127%
341	17.127	17.114	17.131	VV	784	7603	0.58%	0.009%
342	17.137	17.131	17.141	VV	1056	5392	0.41%	0.007%
343	17.161	17.141	17.171	VV	1686	25134	1.92%	0.031%
344	17.184	17.171	17.214	VV	1660	28143	2.15%	0.035%
345	17.240	17.214	17.266	VV	1135	22844	1.74%	0.028%
346	17.288	17.266	17.299	VV	1157	18096	1.38%	0.022%
347	17.343	17.299	17.364	VV	1611	47562	3.63%	0.059%
348	17.385	17.364	17.415	VV	5323	82740	6.32%	0.103%
349	17.429	17.415	17.445	VV	885	14528	1.11%	0.018%
350	17.481	17.445	17.509	VV	3144	82507	6.30%	0.102%
351	17.532	17.509	17.557	VV	2072	45281	3.46%	0.056%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
352	17.578	17.557	17.586	VV	1369	19493	1.49%	0.024%
353	17.593	17.586	17.600	PV	976	5957	0	
354	17.612	17.600	17.619	VV	927	9275	0	
355	17.635	17.619	17.645	VV	1089	13926	1	
356	17.680	17.645	17.731	VV	5901	138692	10	
357	17.762	17.731	17.776	VV	2045	36773	2	
358	17.806	17.776	17.833	VV	6356	117267	8.95%	0.145%
359	17.852	17.833	17.904	VV	2354	43567	3.33%	0.054%
360	17.930	17.904	17.957	VV	767	13205	1.01%	0.016%
361	18.006	17.969	18.038	PV	1580	23736	1.81%	0.029%
362	18.081	18.038	18.133	VV	1100	31734	2.42%	0.039%
363	18.184	18.144	18.188	PV	796	8853	0.68%	0.011%
364	18.215	18.188	18.233	VV	3479	44272	3.38%	0.055%
			Sum of corrected areas:			80600002		

Aromatic EPH 102324.M Wed Oct 30 03:22:15 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-03DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
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
FC067555.D	20	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	22.3	J	9.03	23.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	165		5.70	15.8	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	194		7.13	23.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	20.2	J	19.0	31.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.3		42.8	47.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.14		40 - 140	46%	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:	P4518-03DL2	Acq On:	29 Oct 2024 10:46
Client Sample ID:	EX-5-TPH-3DL2	Operator:	YP/AJ
Data file:	FC067555.D	Misc:	
Instrument:	FID_C	ALS Vial:	29
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	1906626	14.074	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13722724	104.211	200	ug/ml
Aliphatic C16-C21	9.843	13.200	15595715	122.574	300	ug/ml
Aliphatic C21-C28	13.201	16.853	1531831	12.756	400	ug/ml
Aliphatic C28-C40	16.854	21.695	4614704	45.648	600	ug/ml
Aliphatic EPH	3.173	21.695	37371600	299.263		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	122906	1.14		ug/ml
Aliphatic C9-C28	3.173	16.853	32756896	253.615	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067555.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 10:46
Operator : YP/AJ
Sample : P4518-03DL2 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3DL2

Integration File: sample.E
Quant Time: Oct 30 03:46:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.929	122906	1.138 ug/mlm
Spiked Amount 50.000		Recovery =	2.28%
Target Compounds			

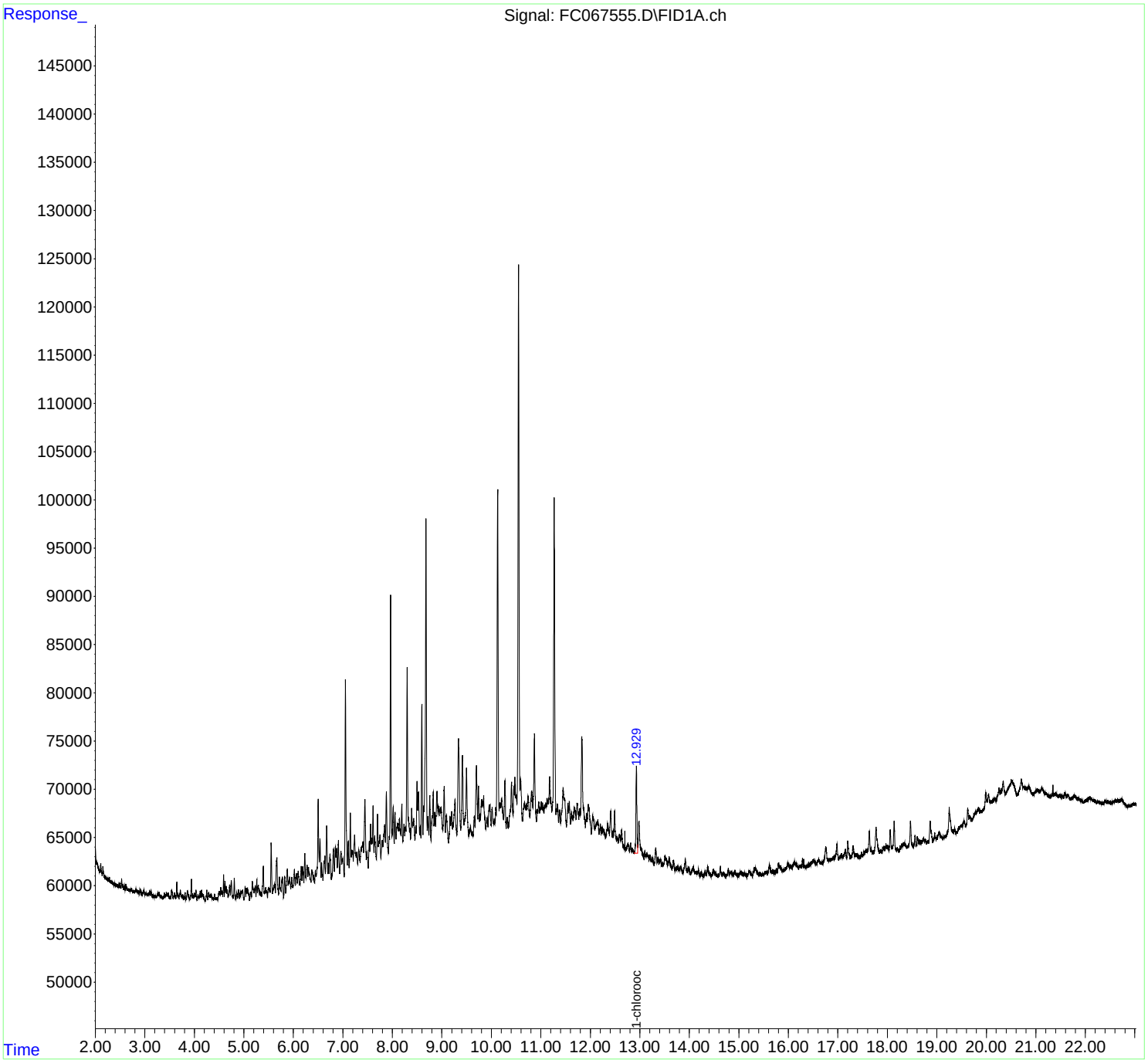
(f)=RT Delta > 1/2 Window (m)=manual int.

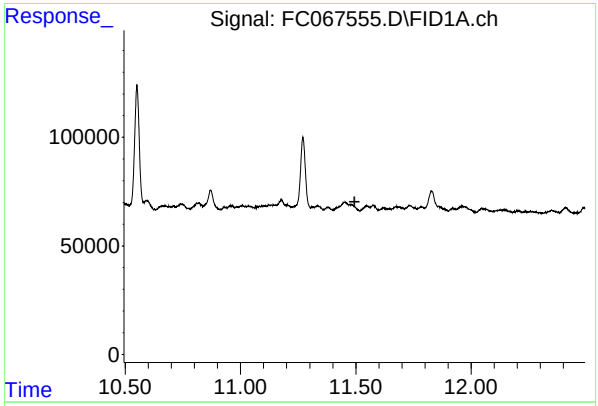
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067555.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 10:46
Operator : YP/AJ
Sample : P4518-03DL2 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3DL2

Integration File: sample.E
Quant Time: Oct 30 03:46:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

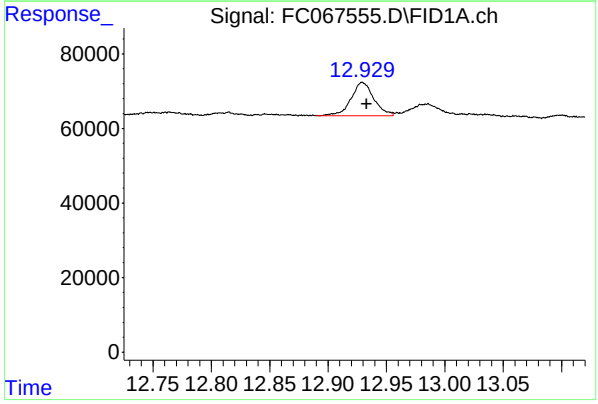




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-3DL2



#12 1-chlorooctadecane (SURR)

R.T.: 12.929 min
Delta R.T.: -0.004 min
Response: 122906
Conc: 1.14 ug/ml m

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067555.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 10:46
Sample : P4518-03DL2 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.265	3.204	3.280	BV	344	4809	0.44%	0.013%
2	3.291	3.280	3.309	VV	464	4380	0.40%	0.012%
3	3.316	3.309	3.378	VV	211	1555	0.14%	0.004%
4	3.397	3.378	3.410	PV	339	3779	0.35%	0.010%
5	3.448	3.410	3.461	VV	469	9756	0.89%	0.026%
6	3.474	3.461	3.504	VV	443	5607	0.51%	0.015%
7	3.539	3.504	3.571	VV	814	14335	1.31%	0.038%
8	3.600	3.571	3.621	VV	553	8062	0.74%	0.021%
9	3.645	3.621	3.686	VV	1672	22117	2.02%	0.059%
10	3.716	3.686	3.751	VV	865	16340	1.49%	0.043%
11	3.764	3.751	3.791	VV	425	5222	0.48%	0.014%
12	3.811	3.791	3.829	VV	668	5928	0.54%	0.016%
13	3.858	3.829	3.902	PV	832	16788	1.54%	0.045%
14	3.941	3.902	3.958	VV	2101	23498	2.15%	0.062%
15	3.968	3.958	3.984	VV	575	6356	0.58%	0.017%
16	4.000	3.984	4.019	VV	709	10028	0.92%	0.027%
17	4.033	4.019	4.054	VV	965	10344	0.95%	0.028%
18	4.073	4.054	4.091	VV	486	6476	0.59%	0.017%
19	4.117	4.091	4.130	VV	919	12982	1.19%	0.035%
20	4.144	4.130	4.214	VV	1015	25266	2.31%	0.067%
21	4.252	4.214	4.271	PV	1006	13272	1.21%	0.035%
22	4.292	4.271	4.312	VV	783	12107	1.11%	0.032%
23	4.336	4.312	4.368	VV	613	14099	1.29%	0.037%
24	4.374	4.368	4.388	VV	300	2529	0.23%	0.007%
25	4.406	4.388	4.427	VV	629	8155	0.75%	0.022%
26	4.440	4.427	4.470	VV	254	4946	0.45%	0.013%
27	4.503	4.470	4.519	VV	880	17718	1.62%	0.047%
28	4.535	4.519	4.550	VV	1260	17109	1.57%	0.045%
29	4.561	4.550	4.575	VV	964	10922	1.00%	0.029%
30	4.592	4.575	4.606	VV	2642	26193	2.40%	0.070%
31	4.621	4.606	4.634	VV	1945	21227	1.94%	0.056%
32	4.645	4.634	4.680	VV	1369	25442	2.33%	0.068%
33	4.712	4.680	4.728	VV	1564	25864	2.37%	0.069%
34	4.747	4.728	4.787	VV	1984	34155	3.12%	0.091%
35	4.807	4.787	4.837	VV	2229	25120	2.30%	0.067%
36	4.857	4.837	4.871	VV	683	8608	0.79%	0.023%

rteres

37	4.891	4.871	4.911	VV	1015	15211	1.39%	0.040%
38	4.922	4.911	4.931	VV	672	5909	0.54%	0.016%
39	4.976	4.931	4.999	VV	1022	27150	2.48%	0.072%
40	5.026	4.999	5.041	VV	1364	16991	1.55%	0.045%
41	5.053	5.041	5.063	VV	1193	12294	1.12%	0.033%
42	5.075	5.063	5.115	VV	1239	21493	1.97%	0.057%
43	5.142	5.115	5.154	PV	705	11433	1.05%	0.030%
44	5.173	5.154	5.215	VV	1852	39783	3.64%	0.106%
45	5.229	5.215	5.245	VV	1309	17897	1.64%	0.048%
46	5.261	5.245	5.276	VV	2005	21944	2.01%	0.058%
47	5.290	5.276	5.338	VV	1449	33927	3.10%	0.090%
48	5.350	5.338	5.360	VV	703	7328	0.67%	0.019%
49	5.393	5.360	5.421	VV	3440	53686	4.91%	0.143%
50	5.442	5.421	5.477	VV	1101	26232	2.40%	0.070%
51	5.497	5.477	5.508	VV	1108	15409	1.41%	0.041%
52	5.516	5.508	5.530	VV	1090	13051	1.19%	0.035%
53	5.553	5.530	5.578	VV	5773	75171	6.88%	0.200%
54	5.620	5.578	5.638	VV	1476	39271	3.59%	0.104%
55	5.666	5.638	5.701	VV	4130	83525	7.64%	0.222%
56	5.720	5.701	5.750	VV	2214	36359	3.33%	0.097%
57	5.780	5.750	5.803	VV	2164	41798	3.82%	0.111%
58	5.826	5.803	5.846	VV	2182	29599	2.71%	0.079%
59	5.877	5.846	5.898	VV	2960	55957	5.12%	0.149%
60	5.924	5.898	5.948	VV	2091	49038	4.49%	0.130%
61	5.968	5.948	5.984	VV	2135	33718	3.08%	0.090%
62	6.020	5.984	6.039	VV	2862	58504	5.35%	0.156%
63	6.062	6.039	6.081	VV	2284	48666	4.45%	0.129%
64	6.100	6.081	6.128	VV	2658	55998	5.12%	0.149%
65	6.160	6.128	6.174	VV	3149	59964	5.49%	0.159%
66	6.188	6.174	6.213	VV	3169	57991	5.30%	0.154%
67	6.232	6.213	6.258	VV	4505	78120	7.15%	0.208%
68	6.278	6.258	6.295	VV	3286	60520	5.54%	0.161%
69	6.308	6.295	6.358	VV	3037	84673	7.75%	0.225%
70	6.373	6.358	6.402	VV	2734	59907	5.48%	0.159%
71	6.412	6.402	6.427	VV	2127	28664	2.62%	0.076%
72	6.445	6.427	6.464	VV	2654	48351	4.42%	0.129%
73	6.502	6.464	6.525	VV	10093	180436	16.51%	0.480%
74	6.539	6.525	6.560	VV	5998	88577	8.10%	0.235%
75	6.573	6.560	6.598	VV	3340	55649	5.09%	0.148%
76	6.628	6.598	6.648	VV	3650	89759	8.21%	0.239%
77	6.674	6.648	6.698	VV	7207	135266	12.37%	0.360%
78	6.709	6.698	6.722	VV	3437	41286	3.78%	0.110%
79	6.739	6.722	6.768	VV	4278	89144	8.15%	0.237%
80	6.810	6.768	6.829	VV	4836	114742	10.50%	0.305%
81	6.849	6.829	6.862	VV	5050	80585	7.37%	0.214%
82	6.873	6.862	6.890	VV	4888	68584	6.27%	0.182%
83	6.910	6.890	6.936	VV	5540	107424	9.83%	0.286%
84	6.963	6.936	6.980	VV	4483	96345	8.81%	0.256%
85	7.001	6.980	7.027	VV	3749	92780	8.49%	0.247%
86	7.053	7.027	7.091	VV	22212	344559	31.52%	0.916%
87	7.107	7.091	7.127	VV	5467	90973	8.32%	0.242%
88	7.152	7.127	7.171	VV	8440	139822	12.79%	0.372%
89	7.183	7.171	7.188	VV	4604	45919	4.20%	0.122%

90	7.195	7.188	7.211	VV	4564	58736	5.37%	0.156%
91	7.238	7.211	7.268	VV	6150	162600	14.87%	0.432%
92	7.280	7.268	7.299	VV	4369	72909	6.67%	0.194%
93	7.322	7.299	7.350	VV	4641	119780	10.96%	0.318%
94	7.405	7.350	7.420	VV	5394	198370	18.15%	0.527%
95	7.447	7.420	7.476	VV	9741	217871	19.93%	0.579%
96	7.489	7.476	7.513	VV	4303	83112	7.60%	0.221%
97	7.534	7.513	7.545	VV	5379	82608	7.56%	0.220%
98	7.562	7.545	7.593	VV	7115	163875	14.99%	0.436%
99	7.611	7.593	7.628	VV	9114	143219	13.10%	0.381%
100	7.643	7.628	7.677	VV	5850	141484	12.94%	0.376%
101	7.701	7.677	7.719	VV	8195	149121	13.64%	0.396%
102	7.750	7.719	7.768	VV	6035	153562	14.05%	0.408%
103	7.795	7.768	7.812	VV	5443	126225	11.55%	0.336%
104	7.845	7.812	7.860	VV	7106	177704	16.26%	0.472%
105	7.880	7.860	7.921	VV	10435	243904	22.31%	0.648%
106	7.965	7.921	7.991	VV	30931	487931	44.63%	1.297%
107	8.018	7.991	8.038	VV	8877	200569	18.35%	0.533%
108	8.054	8.038	8.075	VV	8311	150790	13.79%	0.401%
109	8.107	8.075	8.126	VV	7135	205546	18.80%	0.546%
110	8.144	8.126	8.174	VV	7718	195357	17.87%	0.519%
111	8.192	8.174	8.213	VV	9016	166957	15.27%	0.444%
112	8.236	8.213	8.252	VV	7065	145124	13.28%	0.386%
113	8.300	8.252	8.370	VV	23119	654099	59.83%	1.739%
114	8.392	8.370	8.411	VV	8611	177777	16.26%	0.473%
115	8.431	8.411	8.457	VV	7519	188093	17.21%	0.500%
116	8.500	8.457	8.512	VV	11273	256792	23.49%	0.683%
117	8.529	8.512	8.553	VV	10318	218120	19.95%	0.580%
118	8.564	8.553	8.575	VV	6617	82904	7.58%	0.220%
119	8.596	8.575	8.619	VV	19536	295640	27.04%	0.786%
120	8.680	8.619	8.707	VV	38380	798944	73.08%	2.124%
121	8.720	8.707	8.739	VV	7708	132160	12.09%	0.351%
122	8.758	8.739	8.781	VV	9899	188868	17.28%	0.502%
123	8.825	8.781	8.843	VV	10255	291434	26.66%	0.775%
124	8.858	8.843	8.873	VV	8066	135492	12.39%	0.360%
125	8.903	8.873	8.924	VV	10229	268006	24.52%	0.712%
126	8.940	8.924	8.956	VV	8761	156716	14.34%	0.417%
127	8.971	8.956	9.015	VV	8598	280538	25.66%	0.746%
128	9.048	9.015	9.072	VV	10760	274135	25.08%	0.729%
129	9.092	9.072	9.132	VV	7801	237777	21.75%	0.632%
130	9.168	9.132	9.181	VV	7569	187466	17.15%	0.498%
131	9.200	9.181	9.215	VV	8185	148654	13.60%	0.395%
132	9.225	9.215	9.232	VV	6882	69113	6.32%	0.184%
133	9.265	9.232	9.302	VV	9371	313588	28.69%	0.834%
134	9.338	9.302	9.381	VV	15490	477990	43.72%	1.271%
135	9.416	9.381	9.445	VV	13760	356512	32.61%	0.948%
136	9.499	9.445	9.542	VV	12596	470420	43.03%	1.251%
137	9.578	9.542	9.614	VV	6561	263908	24.14%	0.702%
138	9.621	9.614	9.633	VV	5969	64514	5.90%	0.172%
139	9.656	9.633	9.671	VV	7508	153832	14.07%	0.409%
140	9.698	9.671	9.726	VV	12706	320720	29.34%	0.853%
141	9.742	9.726	9.762	VV	10632	187630	17.16%	0.499%

142	9.772	9.762	9.783	VV	7728	93683	8.57%	0.249%
143	9.802	9.783	9.812	VV	9113	149798	13.70%	0.398%
144	9.822	9.812	9.834	VV	8968	118197	10.81%	0.314%
145	9.845	9.834	9.886	VV	9559	244654	22.38%	0.650%
146	9.913	9.886	9.933	VV	7222	195101	17.85%	0.519%
147	9.971	9.933	9.998	VV	8596	297458	27.21%	0.791%
148	10.017	9.998	10.052	VV	8313	239772	21.93%	0.637%
149	10.128	10.052	10.158	VV	40842	934049	85.44%	2.483%
150	10.173	10.158	10.186	VV	8615	145437	13.30%	0.387%
151	10.208	10.186	10.249	VV	9167	312676	28.60%	0.831%
152	10.275	10.249	10.300	VV	11051	259634	23.75%	0.690%
153	10.319	10.300	10.343	VV	7225	172778	15.81%	0.459%
154	10.409	10.343	10.438	VV	10785	465123	42.55%	1.236%
155	10.477	10.438	10.517	VV	11346	458585	41.95%	1.219%
156	10.551	10.517	10.581	VV	63880	1093177	100.00%	2.906%
157	10.593	10.581	10.631	VV	11107	272804	24.96%	0.725%
158	10.671	10.631	10.698	VV	8714	325381	29.76%	0.865%
159	10.744	10.698	10.780	VV	9177	410180	37.52%	1.090%
160	10.819	10.780	10.838	VV	9909	306375	28.03%	0.814%
161	10.870	10.838	10.913	VV	15775	461271	42.20%	1.226%
162	10.958	10.913	10.976	VV	8675	295755	27.05%	0.786%
163	11.008	10.976	11.024	VV	8679	234427	21.44%	0.623%
164	11.035	11.024	11.058	VV	8509	165841	15.17%	0.441%
165	11.101	11.058	11.114	VV	8576	278146	25.44%	0.739%
166	11.124	11.114	11.154	VV	8865	209215	19.14%	0.556%
167	11.177	11.154	11.224	VV	11248	387435	35.44%	1.030%
168	11.271	11.224	11.304	VV	39967	833599	76.25%	2.216%
169	11.333	11.304	11.360	VV	8361	259306	23.72%	0.689%
170	11.379	11.360	11.399	VV	7706	167239	15.30%	0.445%
171	11.451	11.399	11.517	VV	9952	577930	52.87%	1.536%
172	11.547	11.517	11.561	VV	8467	197480	18.06%	0.525%
173	11.576	11.561	11.599	VV	8621	172826	15.81%	0.459%
174	11.619	11.599	11.653	VV	7491	227966	20.85%	0.606%
175	11.675	11.653	11.711	VV	7978	257746	23.58%	0.685%
176	11.734	11.711	11.765	VV	8365	248028	22.69%	0.659%
177	11.786	11.765	11.798	VV	7757	147355	13.48%	0.392%
178	11.829	11.798	11.901	VV	15183	571236	52.25%	1.519%
179	11.922	11.901	11.936	VV	7164	139911	12.80%	0.372%
180	11.959	11.936	12.022	VV	8077	358717	32.81%	0.954%
181	12.047	12.022	12.094	VV	7047	270173	24.71%	0.718%
182	12.150	12.094	12.187	VV	6608	330918	30.27%	0.880%
183	12.203	12.187	12.221	VV	5994	117108	10.71%	0.311%
184	12.235	12.221	12.248	VV	5704	86871	7.95%	0.231%
185	12.257	12.248	12.313	VV	5664	205098	18.76%	0.545%
186	12.350	12.313	12.383	VV	6071	229198	20.97%	0.609%
187	12.410	12.383	12.457	VV	7441	258925	23.69%	0.688%
188	12.489	12.457	12.561	VV	7341	325506	29.78%	0.865%
189	12.587	12.561	12.613	VV	4876	143420	13.12%	0.381%
190	12.631	12.613	12.662	VV	5310	134886	12.34%	0.359%
191	12.680	12.662	12.727	VV	3759	140068	12.81%	0.372%
192	12.764	12.727	12.792	VV	4005	143179	13.10%	0.381%
193	12.814	12.792	12.834	VV	4009	89021	8.14%	0.237%
194	12.848	12.834	12.890	VV	3414	108795	9.95%	0.289%

195	12.930	12.890	12.959	VV	11806	247768	22.66%	0.659%
196	12.984	12.959	13.083	VV	6124	277488	25.38%	0.738%
197	13.099	13.083	13.118	VV	3126	57550	5.26%	0.153%
198	13.143	13.118	13.184	VV	2843	105130	9.62%	0.279%
199	13.202	13.184	13.238	VV	2566	75398	6.90%	0.200%
200	13.258	13.238	13.287	VV	2331	62246	5.69%	0.165%
201	13.323	13.287	13.349	VV	3343	91438	8.36%	0.243%
202	13.367	13.349	13.386	VV	2318	47215	4.32%	0.126%
203	13.418	13.386	13.437	VV	2142	60300	5.52%	0.160%
204	13.459	13.437	13.471	VV	1785	34348	3.14%	0.091%
205	13.508	13.471	13.561	VV	2494	109214	9.99%	0.290%
206	13.592	13.561	13.651	VV	2353	91574	8.38%	0.243%
207	13.676	13.651	13.711	VV	1997	51921	4.75%	0.138%
208	13.735	13.711	13.746	VV	1263	24182	2.21%	0.064%
209	13.765	13.746	13.803	VV	1370	39970	3.66%	0.106%
210	13.824	13.803	13.867	VV	1348	40725	3.73%	0.108%
211	13.918	13.867	13.961	VV	2090	69725	6.38%	0.185%
212	13.982	13.961	14.023	VV	1259	35475	3.25%	0.094%
213	14.081	14.023	14.104	VV	1239	43019	3.94%	0.114%
214	14.120	14.104	14.132	VV	719	11634	1.06%	0.031%
215	14.151	14.132	14.161	VV	714	11517	1.05%	0.031%
216	14.183	14.161	14.220	VV	994	22950	2.10%	0.061%
217	14.242	14.220	14.280	VV	700	15840	1.45%	0.042%
218	14.317	14.280	14.339	VV	719	17659	1.62%	0.047%
219	14.373	14.339	14.441	VV	1141	37749	3.45%	0.100%
220	14.490	14.441	14.578	VV	803	36051	3.30%	0.096%
221	14.624	14.578	14.657	VV	1121	22767	2.08%	0.061%
222	14.694	14.657	14.734	VV	498	15510	1.42%	0.041%
223	14.786	14.734	14.808	VV	915	20466	1.87%	0.054%
224	14.819	14.808	14.824	VV	451	3879	0.35%	0.010%
225	14.844	14.824	14.865	VV	613	11182	1.02%	0.030%
226	14.873	14.865	14.893	VV	434	4838	0.44%	0.013%
227	14.925	14.893	14.972	VV	636	16561	1.51%	0.044%
228	15.044	14.972	15.064	VV	531	18440	1.69%	0.049%
229	15.075	15.064	15.089	VV	351	4664	0.43%	0.012%
230	15.118	15.089	15.157	VV	398	9561	0.87%	0.025%
231	15.211	15.157	15.272	VV	536	18208	1.67%	0.048%
232	15.305	15.272	15.317	PV	760	12696	1.16%	0.034%
233	15.332	15.317	15.414	VV	828	25210	2.31%	0.067%
234	15.425	15.414	15.460	VV	322	3856	0.35%	0.010%
235	15.520	15.460	15.581	PV	323	10346	0.95%	0.028%
236	15.617	15.581	15.671	VV	935	24779	2.27%	0.066%
237	15.686	15.671	15.705	VV	367	4557	0.42%	0.012%
238	15.761	15.705	15.776	VV	328	6187	0.57%	0.016%
239	15.805	15.776	15.889	VV	967	31619	2.89%	0.084%
240	15.895	15.889	15.904	VV	190	1088	0.10%	0.003%
241	15.991	15.904	16.026	VV	742	27365	2.50%	0.073%
242	16.037	16.026	16.084	VV	496	13218	1.21%	0.035%
243	16.124	16.084	16.144	VV	862	23026	2.11%	0.061%
244	16.154	16.144	16.207	VV	563	13724	1.26%	0.036%
245	16.254	16.207	16.261	VV	307	8176	0.75%	0.022%
246	16.285	16.261	16.341	VV	1007	18031	1.65%	0.048%

rteres

247	16.373	16.341	16.387	VV	241	3199	0.29%	0.009%
248	16.398	16.387	16.405	VV	191	1821	0.17%	0.005%
249	16.466	16.405	16.476	VV	523	12025	1.10%	0.032%
250	16.516	16.476	16.534	VV	751	19666	1.80%	0.052%
251	16.544	16.534	16.568	VV	520	6310	0.58%	0.017%
252	16.613	16.568	16.688	VV	579	23403	2.14%	0.062%
253	16.754	16.688	16.789	VV	1824	48914	4.47%	0.130%
254	16.803	16.789	16.816	VV	504	6719	0.61%	0.018%
255	16.839	16.816	16.858	VV	492	9670	0.88%	0.026%
256	16.919	16.858	16.930	VV	618	20253	1.85%	0.054%
257	16.981	16.930	17.020	VV	1818	49217	4.50%	0.131%
258	17.032	17.020	17.041	VV	581	5423	0.50%	0.014%
259	17.069	17.041	17.109	VV	717	22757	2.08%	0.060%
260	17.152	17.109	17.178	VV	1094	30534	2.79%	0.081%
261	17.200	17.178	17.247	VV	1964	37048	3.39%	0.098%
262	17.264	17.247	17.274	VV	374	5126	0.47%	0.014%
263	17.308	17.274	17.366	VV	1331	38572	3.53%	0.103%
264	17.393	17.366	17.414	VV	514	10448	0.96%	0.028%
265	17.428	17.414	17.444	VV	273	2552	0.23%	0.007%
266	17.478	17.444	17.501	VV	507	9538	0.87%	0.025%
267	17.533	17.501	17.544	VV	555	11138	1.02%	0.030%
268	17.569	17.544	17.587	VV	759	16142	1.48%	0.043%
269	17.635	17.587	17.661	VV	2587	54460	4.98%	0.145%
270	17.672	17.661	17.705	VV	842	14932	1.37%	0.040%
271	17.771	17.705	17.848	VV	2893	88806	8.12%	0.236%
272	17.868	17.848	17.887	VV	474	8784	0.80%	0.023%
273	17.929	17.887	17.948	VV	770	20752	1.90%	0.055%
274	17.972	17.948	17.985	VV	1053	16395	1.50%	0.044%
275	18.002	17.985	18.032	VV	784	18570	1.70%	0.049%
276	18.057	18.032	18.088	VV	2268	40602	3.71%	0.108%
277	18.137	18.088	18.194	VV	3177	64430	5.89%	0.171%
278	18.205	18.194	18.234	VV	352	4597	0.42%	0.012%
279	18.290	18.234	18.304	PV	739	16731	1.53%	0.044%
280	18.320	18.304	18.334	VV	715	11408	1.04%	0.030%
281	18.346	18.334	18.399	VV	696	18772	1.72%	0.050%
282	18.467	18.399	18.522	VV	2766	59451	5.44%	0.158%
283	18.558	18.522	18.578	VV	1231	19570	1.79%	0.052%
284	18.606	18.578	18.642	VV	962	22033	2.02%	0.059%
285	18.657	18.642	18.677	VV	634	10483	0.96%	0.028%
286	18.733	18.677	18.754	VV	781	23326	2.13%	0.062%
287	18.767	18.754	18.791	VV	609	8851	0.81%	0.024%
288	18.822	18.791	18.834	VV	361	7681	0.70%	0.020%
289	18.866	18.834	18.912	VV	2326	55626	5.09%	0.148%
290	18.957	18.912	18.984	VV	985	23442	2.14%	0.062%
291	19.052	18.984	19.124	VV	951	46573	4.26%	0.124%
292	19.250	19.124	19.336	VV	3303	132433	12.11%	0.352%
293	19.361	19.336	19.387	VV	1040	21417	1.96%	0.057%
294	19.452	19.387	19.473	VV	1022	39337	3.60%	0.105%
295	19.546	19.473	19.591	VV	1504	84278	7.71%	0.224%
296	19.623	19.591	19.644	VV	2729	60396	5.52%	0.161%
297	19.657	19.644	19.708	VV	1940	64115	5.86%	0.170%
298	19.843	19.708	19.914	VV	2503	253028	23.15%	0.673%
299	19.990	19.914	20.021	VV	3852	178112	16.29%	0.473%

rteres

300	20.045	20.021	20.091	VV	3635	133028	12.17%	0.354%
301	20.102	20.091	20.131	VV	2898	67609	6.18%	0.180%
302	20.178	20.131	20.195	VV	3071	114195	10.45%	0.304%
303	20.255	20.195	20.288	VV	4027	191161	17.49%	0.508%
304	20.300	20.288	20.314	VV	3774	59629	5.45%	0.159%
305	20.340	20.314	20.381	VV	4477	158058	14.46%	0.420%
306	20.505	20.381	20.616	VV	4588	538456	49.26%	1.431%
307	20.708	20.616	20.768	VV	4373	319529	29.23%	0.849%
308	20.791	20.768	20.821	VV	3479	107234	9.81%	0.285%
309	20.849	20.821	20.861	VV	3499	80961	7.41%	0.215%
310	20.867	20.861	20.945	VV	3385	146323	13.39%	0.389%
311	21.034	20.945	21.079	VV	2971	222656	20.37%	0.592%
312	21.120	21.079	21.268	VV	3040	277880	25.42%	0.739%
313	21.282	21.268	21.308	VV	1925	45726	4.18%	0.122%
314	21.344	21.308	21.368	VV	2408	73709	6.74%	0.196%
315	21.397	21.368	21.441	VV	2100	85552	7.83%	0.227%
316	21.455	21.441	21.504	VV	1840	65550	6.00%	0.174%
317	21.526	21.504	21.535	VV	1723	29930	2.74%	0.080%
318	21.585	21.535	21.621	VV	1836	84781	7.76%	0.225%
319	21.649	21.621	21.698	VV	1686	64598	5.91%	0.172%
320	21.718	21.698	21.751	VV	1263	37649	3.44%	0.100%
321	21.765	21.751	21.831	VV	1425	59169	5.41%	0.157%
322	21.841	21.831	21.861	VV	1061	17891	1.64%	0.048%
323	21.867	21.861	21.954	VV	989	40170	3.67%	0.107%
324	22.000	21.954	22.013	VV	585	17829	1.63%	0.047%
325	22.068	22.013	22.231	VV	795	67577	6.18%	0.180%
326	22.244	22.231	22.281	VV	265	4303	0.39%	0.011%

Sum of corrected areas: 37616185

Aliphatic EPH 102324.M Wed Oct 30 05:39:48 2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/23/24
Project:	North Point			Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4			SDG No.:	P4518
Lab Sample ID:	P4518-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	80.2
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/29/24 11:23	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	140		10	4.73	12.4	mg/kg	FC067556.D
Aliphatic C12-C16	Aliphatic C12-C16	860		100	29.8	82.9	mg/kg	FC067557.D
Aliphatic C16-C21	Aliphatic C16-C21	779		100	37.3	124	mg/kg	FC067557.D
Aliphatic C21-C28	Aliphatic C21-C28	162		10	9.95	16.6	mg/kg	FC067556.D
Aliphatic C28-C40	Aliphatic C28-C40	172		10	22.4	24.9	mg/kg	FC067556.D
Aromatic C10-C12	Aromatic C10-C12	33.4		5	1.87	4.15	mg/kg	FD048615.D
Aromatic C12-C16	Aromatic C12-C16	254		20	8.46	24.9	mg/kg	FD048616.D
Aromatic C16-C21	Aromatic C16-C21	670		20	23.9	41.5	mg/kg	FD048616.D
Aromatic C21-C36	Aromatic C21-C36	88.5		5	12.4	16.6	mg/kg	FD048615.D
Total AliphaticEPH	Total AliphaticEPH	2110			104	261	mg/kg	
Total AromaticEPH	Total AromaticEPH	1050			46.6	87.2	mg/kg	
Total EPH	Total EPH	3160			151	348	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4		SDG No.:	P4518	
Lab Sample ID:	P4518-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067529.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	121	E	0.47	1.24	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	691	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	675	E	0.37	1.24	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	186	E	1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	184	E	2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		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:	P4518-04	Acq On:	25 Oct 2024 18:06
Client Sample ID:	EX-5-TPH-4	Operator:	YP/AJ
Data file:	FC067529.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	199202192	1470	300	ug/ml
Aliphatic C12-C16	6.454	9.843	1097748146	8340	200	ug/ml
Aliphatic C16-C21	9.844	13.201	1036694090	8150	300	ug/ml
Aliphatic C21-C28	13.202	16.856	270766709	2250	400	ug/ml
Aliphatic C28-C40	16.857	21.702	224502297	2220	600	ug/ml
Aliphatic EPH	3.173	21.702	2828913434	22400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	3955002	36.62		ug/ml
Aliphatic C9-C28	3.173	16.856	2604411137	20300	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067529.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 18:06
Operator : YP/AJ
Sample : P4518-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:48:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	3955002	36.624 ug/mlm
Spiked Amount 50.000		Recovery = 73.25%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067529.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 18:06
Operator : YP/AJ
Sample : P4518-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

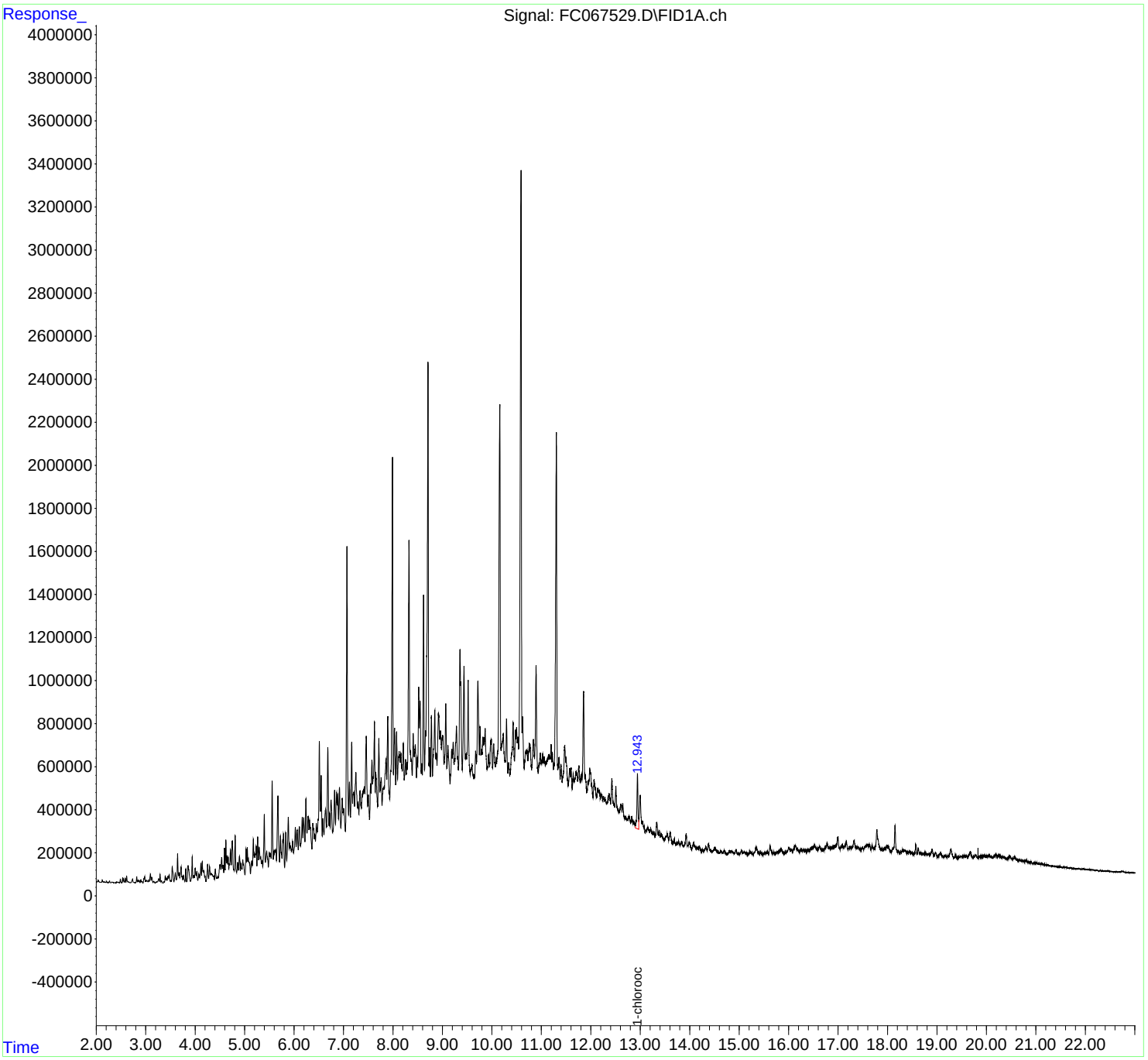
Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

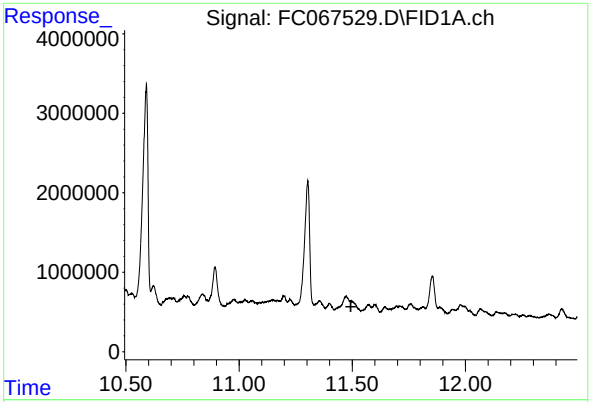
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:48:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





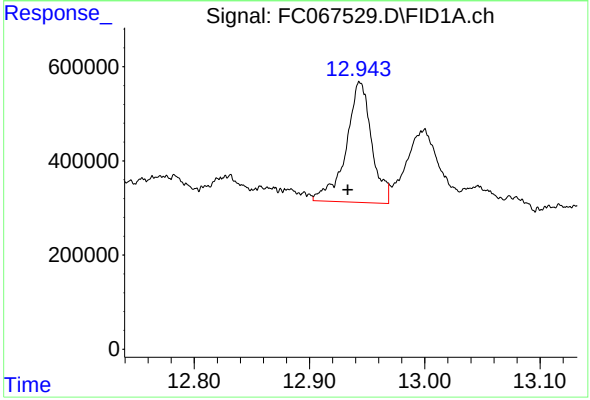
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.010 min
Response: 3955002
Conc: 36.62 ug/ml m

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10252
Data File : FC067529.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 18:06
Sample : P4518-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.217	3.204	3.229	PH	-59187	-905510	-1.35%	-0.032%
2	3.261	3.229	3.276	PV	-5338	-699380	-1.04%	-0.025%
3	3.291	3.276	3.307	PV	35366	285118	0.42%	0.010%
4	3.319	3.307	3.350	VV	8266	89794	0.13%	0.003%
5	3.372	3.350	3.380	PV	7983	69104	0.10%	0.002%
6	3.396	3.380	3.409	VV	33357	338301	0.50%	0.012%
7	3.420	3.409	3.434	VV	23446	266561	0.40%	0.009%
8	3.451	3.434	3.461	VV	31704	378379	0.56%	0.013%
9	3.475	3.461	3.501	VV	37907	522764	0.78%	0.018%
10	3.512	3.501	3.520	VV	12944	110601	0.16%	0.004%
11	3.538	3.520	3.571	VV	75555	1171937	1.74%	0.041%
12	3.600	3.571	3.620	VV	46248	752279	1.12%	0.027%
13	3.646	3.620	3.666	VV	134974	1619892	2.41%	0.057%
14	3.677	3.666	3.690	VV	48555	556660	0.83%	0.020%
15	3.716	3.690	3.750	VV	74532	1420523	2.11%	0.050%
16	3.765	3.750	3.793	VV	34629	517334	0.77%	0.018%
17	3.811	3.793	3.830	VV	64860	610298	0.91%	0.022%
18	3.858	3.830	3.906	VV	79602	1696315	2.52%	0.060%
19	3.941	3.906	3.958	VV	120843	1426030	2.12%	0.050%
20	3.967	3.958	3.984	VV	34662	456033	0.68%	0.016%
21	4.001	3.984	4.020	VV	67237	933813	1.39%	0.033%
22	4.033	4.020	4.054	VV	52018	653698	0.97%	0.023%
23	4.075	4.054	4.089	VV	39882	550110	0.82%	0.019%
24	4.117	4.089	4.130	VV	90532	1217278	1.81%	0.043%
25	4.144	4.130	4.220	VV	97079	2421742	3.60%	0.086%
26	4.252	4.220	4.272	VV	85092	1219064	1.81%	0.043%
27	4.292	4.272	4.315	VV	74810	1216218	1.81%	0.043%
28	4.328	4.315	4.366	VV	43028	1095382	1.63%	0.039%
29	4.375	4.366	4.390	VV	30293	353864	0.53%	0.013%
30	4.407	4.390	4.432	VV	60933	898935	1.34%	0.032%
31	4.456	4.432	4.468	VV	26956	477199	0.71%	0.017%
32	4.501	4.468	4.520	VV	81987	1829598	2.72%	0.065%
33	4.536	4.520	4.552	VV	116555	1645047	2.44%	0.058%
34	4.562	4.552	4.578	VV	79663	1060712	1.58%	0.037%
35	4.594	4.578	4.606	VV	159056	1673438	2.49%	0.059%
36	4.621	4.606	4.636	VV	196634	2312820	3.44%	0.082%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

37	4.647	4.636	4.659	VV	122777	1457724	2.17%	0.052%
38	4.668	4.659	4.681	VV	115376	1242083		
39	4.693	4.681	4.696	VV	85127	701035		
40	4.714	4.696	4.730	VV	150183	2238146		
41	4.750	4.730	4.791	VV	192101	4142777		
42	4.809	4.791	4.837	VV	216931	2953987		
43	4.860	4.837	4.873	VV	91920	1452639	2.16%	0.051%
44	4.895	4.873	4.913	VV	119628	2109583	3.13%	0.075%
45	4.924	4.913	4.948	VV	86058	1403348	2.08%	0.050%
46	4.964	4.948	5.006	VV	102029	2460654	3.66%	0.087%
47	5.029	5.006	5.042	VV	152415	2077181	3.09%	0.073%
48	5.054	5.042	5.118	VV	159698	4471716	6.64%	0.158%
49	5.145	5.118	5.157	VV	97588	1791147	2.66%	0.063%
50	5.176	5.157	5.206	VV	198994	4050749	6.02%	0.143%
51	5.233	5.206	5.248	VV	166996	3268955	4.86%	0.116%
52	5.264	5.248	5.279	VV	209030	2709707	4.03%	0.096%
53	5.294	5.279	5.341	VV	158507	4439645	6.60%	0.157%
54	5.354	5.341	5.366	VV	98825	1325464	1.97%	0.047%
55	5.397	5.366	5.420	VV	313318	5220880	7.76%	0.185%
56	5.445	5.420	5.481	VV	140241	4026047	5.98%	0.142%
57	5.500	5.481	5.512	VV	134365	2120025	3.15%	0.075%
58	5.522	5.512	5.534	VV	128146	1589210	2.36%	0.056%
59	5.557	5.534	5.580	VV	465415	6721375	9.99%	0.238%
60	5.592	5.580	5.599	VV	139751	1438194	2.14%	0.051%
61	5.627	5.599	5.644	VV	147721	3592521	5.34%	0.127%
62	5.673	5.644	5.706	VV	400020	8144490	12.10%	0.288%
63	5.725	5.706	5.754	VV	211959	4224322	6.28%	0.149%
64	5.786	5.754	5.809	VV	218880	5077162	7.54%	0.179%
65	5.832	5.809	5.852	VV	226490	3682693	5.47%	0.130%
66	5.883	5.852	5.902	VV	294821	5881074	8.74%	0.208%
67	5.912	5.902	5.944	VV	175390	4038940	6.00%	0.143%
68	5.971	5.944	5.989	VV	185741	4204397	6.25%	0.149%
69	6.026	5.989	6.043	VV	249294	5891342	8.75%	0.208%
70	6.062	6.043	6.084	VV	237638	4911435	7.30%	0.174%
71	6.107	6.084	6.129	VV	252110	5516760	8.20%	0.195%
72	6.165	6.129	6.180	VV	295874	6652667	9.88%	0.235%
73	6.196	6.180	6.220	VV	294591	5906893	8.78%	0.209%
74	6.239	6.220	6.262	VV	380958	7047769	10.47%	0.249%
75	6.285	6.262	6.302	VV	298036	6302109	9.36%	0.223%
76	6.314	6.302	6.361	VV	282659	8066599	11.98%	0.285%
77	6.380	6.361	6.409	VV	262564	6444096	9.57%	0.228%
78	6.420	6.409	6.433	VV	215840	2949717	4.38%	0.104%
79	6.451	6.433	6.469	VV	265575	5012984	7.45%	0.177%
80	6.512	6.469	6.533	VV	646443	14576173	21.65%	0.515%
81	6.548	6.533	6.570	VV	488793	7901374	11.74%	0.279%
82	6.583	6.570	6.605	VV	287812	5098544	7.57%	0.180%
83	6.637	6.605	6.657	VV	332554	8856725	13.16%	0.313%
84	6.683	6.657	6.708	VV	615824	12297009	18.27%	0.435%
85	6.718	6.708	6.731	VV	312976	3892555	5.78%	0.138%
86	6.749	6.731	6.779	VV	374446	8944900	13.29%	0.316%
87	6.819	6.779	6.838	VV	418304	10662556	15.84%	0.377%
88	6.858	6.838	6.872	VV	406832	7046924	10.47%	0.249%
89	6.883	6.872	6.899	VV	403955	5873536	8.73%	0.208%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

90	6.919	6.899	6.946	VV	432857	9560982	14.20%	0.338%
91	6.975	6.946	6.991	VV	380191	8649234	12	
92	7.004	6.991	7.037	VV	331930	8211775	12	
93	7.070	7.037	7.102	VV	1554375	26972446	40	
94	7.120	7.102	7.140	VV	456166	8404859	12	
95	7.166	7.140	7.184	VV	642141	11976717	17	
96	7.206	7.184	7.223	VV	407760	9012883	13.39%	0.319%
97	7.250	7.223	7.283	VV	499069	14871476	22.09%	0.526%
98	7.294	7.283	7.311	VV	364479	5823984	8.65%	0.206%
99	7.334	7.311	7.361	VV	417007	10980445	16.31%	0.388%
100	7.420	7.361	7.432	VV	434629	16951824	25.18%	0.599%
101	7.460	7.432	7.488	VV	666746	16779109	24.93%	0.593%
102	7.502	7.488	7.526	VV	393821	8096772	12.03%	0.286%
103	7.548	7.526	7.557	VV	446943	7199589	10.70%	0.254%
104	7.575	7.557	7.589	VV	555630	9269644	13.77%	0.328%
105	7.626	7.589	7.642	VV	725029	17047759	25.33%	0.603%
106	7.655	7.642	7.690	VV	496907	12236438	18.18%	0.432%
107	7.715	7.690	7.734	VV	656633	13290828	19.74%	0.470%
108	7.761	7.734	7.781	VV	475616	11865826	17.63%	0.419%
109	7.860	7.781	7.874	VV	560303	25715480	38.20%	0.909%
110	7.895	7.874	7.935	VV	757380	19348012	28.74%	0.684%
111	7.989	7.935	8.011	VV	1933999	38658098	57.43%	1.366%
112	8.032	8.011	8.055	VV	700678	15418130	22.91%	0.545%
113	8.074	8.055	8.093	VV	686253	12699433	18.87%	0.449%
114	8.125	8.093	8.147	VV	593784	18215880	27.06%	0.644%
115	8.161	8.147	8.191	VV	588400	14276775	21.21%	0.505%
116	8.209	8.191	8.229	VV	632369	12502339	18.57%	0.442%
117	8.254	8.229	8.269	VV	557324	12407580	18.43%	0.439%
118	8.282	8.269	8.291	VV	541883	6695582	9.95%	0.237%
119	8.323	8.291	8.388	VV	1569494	45072755	66.96%	1.593%
120	8.409	8.388	8.431	VV	675598	15226928	22.62%	0.538%
121	8.451	8.431	8.475	VV	624256	15016028	22.31%	0.531%
122	8.491	8.475	8.500	VV	565871	7737427	11.49%	0.273%
123	8.521	8.500	8.532	VV	888466	14257619	21.18%	0.504%
124	8.548	8.532	8.571	VV	825874	16108210	23.93%	0.569%
125	8.582	8.571	8.593	VV	535052	6785590	10.08%	0.240%
126	8.617	8.593	8.639	VV	1321047	22986922	34.15%	0.812%
127	8.707	8.639	8.728	VV	2407688	57816626	85.89%	2.043%
128	8.741	8.728	8.757	VV	611120	9874699	14.67%	0.349%
129	8.777	8.757	8.800	VV	756099	15325981	22.77%	0.542%
130	8.845	8.800	8.864	VV	784640	24137950	35.86%	0.853%
131	8.875	8.864	8.890	VV	580517	8764672	13.02%	0.310%
132	8.921	8.890	8.945	VV	762754	22516202	33.45%	0.796%
133	8.960	8.945	8.981	VV	688313	13877984	20.62%	0.491%
134	9.007	8.981	9.033	VV	666154	19435560	28.87%	0.687%
135	9.068	9.033	9.092	VV	805744	22295169	33.12%	0.788%
136	9.112	9.092	9.154	VV	617589	20186642	29.99%	0.713%
137	9.188	9.154	9.199	VV	597483	14424625	21.43%	0.510%
138	9.217	9.199	9.238	VV	635464	13509363	20.07%	0.477%
139	9.284	9.238	9.328	VV	708081	32031780	47.59%	1.132%
140	9.355	9.328	9.401	VV	1062108	33760738	50.16%	1.193%
141	9.436	9.401	9.491	VV	972004	35912306	53.35%	1.269%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

142	9.520	9.491	9.562	VV	917385	27258928	40.50%	0.963%
143	9.596	9.562	9.646	VV	526361	25077816	37	
144	9.673	9.646	9.689	VV	591013	13666627	20	
145	9.717	9.689	9.747	VV	916445	24922930	37	
146	9.762	9.747	9.784	VV	702678	14387680	21	
147	9.820	9.784	9.831	VV	654499	17082194	25	
148	9.864	9.831	9.903	VV	694618	26359598	39.16%	0.932%
149	9.933	9.903	9.952	VV	572921	15623557	23.21%	0.552%
150	9.987	9.952	10.015	VV	635565	22142974	32.90%	0.783%
151	10.037	10.015	10.069	VV	624214	18225831	27.08%	0.644%
152	10.088	10.069	10.098	VV	553101	9599517	14.26%	0.339%
153	10.160	10.098	10.187	VV	2222916	57271270	85.08%	2.024%
154	10.232	10.187	10.271	VV	667891	30814759	45.78%	1.089%
155	10.297	10.271	10.322	VV	737585	18332062	27.23%	0.648%
156	10.339	10.322	10.361	VV	532248	11973189	17.79%	0.423%
157	10.430	10.361	10.457	VV	722460	33598267	49.91%	1.188%
158	10.479	10.457	10.487	VV	684398	11334736	16.84%	0.401%
159	10.500	10.487	10.514	VV	694880	10804873	16.05%	0.382%
160	10.526	10.514	10.541	VV	649457	10147321	15.07%	0.359%
161	10.590	10.541	10.611	VV	3296625	67312543	100.00%	2.379%
162	10.622	10.611	10.654	VV	744932	16308992	24.23%	0.576%
163	10.692	10.654	10.702	VV	586862	16315381	24.24%	0.577%
164	10.710	10.702	10.726	VV	591314	8082511	12.01%	0.286%
165	10.757	10.726	10.803	VV	619951	26547110	39.44%	0.938%
166	10.838	10.803	10.863	VV	641110	20903103	31.05%	0.739%
167	10.894	10.863	10.937	VV	982530	29365870	43.63%	1.038%
168	10.978	10.937	10.996	VV	577054	19032744	28.28%	0.673%
169	11.026	10.996	11.043	VV	567809	15336094	22.78%	0.542%
170	11.057	11.043	11.081	VV	555593	12494587	18.56%	0.442%
171	11.151	11.081	11.179	VV	569851	32167259	47.79%	1.137%
172	11.198	11.179	11.214	VV	615238	12182677	18.10%	0.431%
173	11.225	11.214	11.246	VV	576113	10263668	15.25%	0.363%
174	11.303	11.246	11.331	VV	2065213	49641674	73.75%	1.755%
175	11.355	11.331	11.381	VV	554538	15522436	23.06%	0.549%
176	11.399	11.381	11.421	VV	524665	11557401	17.17%	0.408%
177	11.473	11.421	11.538	VV	614032	35929547	53.38%	1.270%
178	11.572	11.538	11.584	VV	500234	13036184	19.37%	0.461%
179	11.601	11.584	11.623	VV	503092	10987231	16.32%	0.388%
180	11.645	11.623	11.674	VV	479269	13741185	20.41%	0.486%
181	11.696	11.674	11.738	VV	489108	17828466	26.49%	0.630%
182	11.758	11.738	11.793	VV	505642	15709536	23.34%	0.555%
183	11.813	11.793	11.823	VV	476586	8453310	12.56%	0.299%
184	11.854	11.823	11.920	VV	861868	31859103	47.33%	1.126%
185	11.945	11.920	11.956	VV	442800	9212905	13.69%	0.326%
186	11.979	11.956	12.048	VV	504046	24201507	35.95%	0.855%
187	12.067	12.048	12.116	VV	452317	16793827	24.95%	0.594%
188	12.138	12.116	12.164	VV	405264	11251166	16.71%	0.398%
189	12.173	12.164	12.198	VV	399267	7843861	11.65%	0.277%
190	12.221	12.198	12.238	VV	382222	9063955	13.47%	0.320%
191	12.255	12.238	12.270	VV	372741	6846017	10.17%	0.242%
192	12.286	12.270	12.324	VV	362273	11375088	16.90%	0.402%
193	12.370	12.324	12.400	VV	384223	16508953	24.53%	0.584%
194	12.426	12.400	12.484	VV	451167	18501747	27.49%	0.654%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

195	12.507	12.484	12.577	VV	418587	18792296	27.92%	0.664%
196	12.611	12.577	12.630	VV	335155	10102492	15	
197	12.647	12.630	12.691	VV	337218	10922894	16	
198	12.699	12.691	12.747	VV	275595	8964760	13	
199	12.772	12.747	12.804	VV	275864	9189985	13	
200	12.829	12.804	12.904	VV	275961	15167437	22	
201	12.944	12.904	12.971	VV	474822	12818437	19.04%	0.453%
202	12.999	12.971	13.031	VV	371875	10905474	16.20%	0.385%
203	13.045	13.031	13.101	VV	253366	9759094	14.50%	0.345%
204	13.150	13.101	13.192	VV	225674	11665629	17.33%	0.412%
205	13.212	13.192	13.260	VV	215416	8258301	12.27%	0.292%
206	13.276	13.260	13.301	VV	202792	4808769	7.14%	0.170%
207	13.335	13.301	13.364	VV	247681	7998438	11.88%	0.283%
208	13.378	13.364	13.405	VV	202379	4766638	7.08%	0.168%
209	13.422	13.405	13.504	VV	193734	10655703	15.83%	0.377%
210	13.546	13.504	13.574	VV	195001	7574998	11.25%	0.268%
211	13.607	13.574	13.664	VV	201567	9239635	13.73%	0.327%
212	13.689	13.664	13.721	VV	167738	5260189	7.81%	0.186%
213	13.777	13.721	13.805	VV	160830	7469562	11.10%	0.264%
214	13.836	13.805	13.878	VV	156263	6373171	9.47%	0.225%
215	13.928	13.878	13.967	VV	192473	8207590	12.19%	0.290%
216	13.993	13.967	14.041	VV	151782	6169681	9.17%	0.218%
217	14.074	14.041	14.174	VV	144224	10517211	15.62%	0.372%
218	14.198	14.174	14.231	VV	135823	4228648	6.28%	0.149%
219	14.254	14.231	14.291	VV	116919	4055906	6.03%	0.143%
220	14.325	14.291	14.354	VV	128939	4512807	6.70%	0.160%
221	14.381	14.354	14.454	VV	145179	7293218	10.83%	0.258%
222	14.501	14.454	14.519	VV	128780	4567451	6.79%	0.161%
223	14.528	14.519	14.596	VV	119739	5057518	7.51%	0.179%
224	14.640	14.596	14.668	VV	110599	4557726	6.77%	0.161%
225	14.700	14.668	14.749	VV	112073	5002624	7.43%	0.177%
226	14.853	14.749	14.900	VV	112847	9355513	13.90%	0.331%
227	14.938	14.900	14.965	VV	116107	4094231	6.08%	0.145%
228	14.987	14.965	15.012	VV	101423	2713114	4.03%	0.096%
229	15.045	15.012	15.078	VV	113631	4113523	6.11%	0.145%
230	15.118	15.078	15.190	VV	105293	6683932	9.93%	0.236%
231	15.220	15.190	15.287	VV	105133	5762197	8.56%	0.204%
232	15.341	15.287	15.421	VV	123827	8515818	12.65%	0.301%
233	15.438	15.421	15.482	VV	104507	3490468	5.19%	0.123%
234	15.526	15.482	15.547	VV	101418	3767470	5.60%	0.133%
235	15.568	15.547	15.591	VV	107961	2647704	3.93%	0.094%
236	15.624	15.591	15.684	VV	128808	6073548	9.02%	0.215%
237	15.701	15.684	15.734	VV	102243	2887954	4.29%	0.102%
238	15.781	15.734	15.800	VV	104286	3959631	5.88%	0.140%
239	15.826	15.800	15.837	VV	111213	2419019	3.59%	0.085%
240	15.849	15.837	15.920	VV	116625	5116425	7.60%	0.181%
241	16.010	15.920	16.033	VV	120298	7243868	10.76%	0.256%
242	16.055	16.033	16.082	VV	115216	3206138	4.76%	0.113%
243	16.132	16.082	16.168	VV	132309	6125873	9.10%	0.217%
244	16.177	16.168	16.218	VV	116833	3309048	4.92%	0.117%
245	16.257	16.218	16.279	VV	113517	3912131	5.81%	0.138%
246	16.297	16.279	16.317	VV	110634	2468597	3.67%	0.087%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

247	16.338	16.317	16.360	VV	108760	2673739	3.97%	0.095%
248	16.382	16.360	16.396	VV	110009	2296337	3	
249	16.415	16.396	16.427	VV	110099	2041437	3	
250	16.524	16.427	16.584	VV	128718	11079231	16	
251	16.630	16.584	16.677	VV	125961	6441558	9	
252	16.778	16.677	16.843	VV	139055	11792421	17	
253	16.866	16.843	16.879	VV	119964	2552879	3.79%	0.090%
254	16.894	16.879	16.914	VV	122096	2555455	3.80%	0.090%
255	16.934	16.914	16.951	VV	128210	2724704	4.05%	0.096%
256	16.996	16.951	17.039	VV	165860	7118924	10.58%	0.252%
257	17.082	17.039	17.120	VV	131657	5875914	8.73%	0.208%
258	17.169	17.120	17.204	VV	146415	6455157	9.59%	0.228%
259	17.242	17.204	17.262	VV	123891	4061832	6.03%	0.144%
260	17.321	17.262	17.391	VV	147230	9654525	14.34%	0.341%
261	17.400	17.391	17.436	VV	121056	3115821	4.63%	0.110%
262	17.497	17.436	17.518	VV	119523	5472520	8.13%	0.193%
263	17.584	17.518	17.627	VV	130100	7994624	11.88%	0.283%
264	17.639	17.627	17.662	VV	128498	2581021	3.83%	0.091%
265	17.685	17.662	17.739	VV	127719	5266081	7.82%	0.186%
266	17.785	17.739	17.868	VV	197853	10605719	15.76%	0.375%
267	17.884	17.868	17.904	VV	110045	2355022	3.50%	0.083%
268	17.944	17.904	17.964	VV	113121	3896401	5.79%	0.138%
269	17.987	17.964	18.011	VV	125496	3273733	4.86%	0.116%
270	18.020	18.011	18.057	VV	119166	3005020	4.46%	0.106%
271	18.067	18.057	18.081	VV	101330	1393886	2.07%	0.049%
272	18.152	18.081	18.206	VV	217306	9239586	13.73%	0.327%
273	18.218	18.206	18.251	VV	101675	2543360	3.78%	0.090%
274	18.270	18.251	18.280	VV	96922	1593851	2.37%	0.056%
275	18.305	18.280	18.331	VV	104256	3033945	4.51%	0.107%
276	18.346	18.331	18.391	VV	101508	3498162	5.20%	0.124%
277	18.400	18.391	18.417	VV	90230	1383186	2.05%	0.049%
278	18.430	18.417	18.517	VV	93788	5314180	7.89%	0.188%
279	18.528	18.517	18.544	VV	88327	1420009	2.11%	0.050%
280	18.572	18.544	18.598	VV	124909	3209232	4.77%	0.113%
281	18.621	18.598	18.644	VV	108917	2681414	3.98%	0.095%
282	18.657	18.644	18.704	VV	91256	3120669	4.64%	0.110%
283	18.757	18.704	18.804	VV	90172	5010374	7.44%	0.177%
284	18.834	18.804	18.853	VV	85434	2356032	3.50%	0.083%
285	18.903	18.853	18.944	VV	103958	4692830	6.97%	0.166%
286	18.969	18.944	19.009	VV	92106	3126345	4.64%	0.110%
287	19.062	19.009	19.138	VV	83631	5775841	8.58%	0.204%
288	19.165	19.138	19.198	VV	72974	2545617	3.78%	0.090%
289	19.216	19.198	19.235	VV	72876	1575503	2.34%	0.056%
290	19.283	19.235	19.347	VV	104864	5346957	7.94%	0.189%
291	19.375	19.347	19.428	VV	76526	3236668	4.81%	0.114%
292	19.480	19.428	19.500	VV	69947	2917815	4.33%	0.103%
293	19.530	19.500	19.574	VV	72600	3080109	4.58%	0.109%
294	19.596	19.574	19.622	VV	70011	1931663	2.87%	0.068%
295	19.674	19.622	19.730	VV	93235	4833075	7.18%	0.171%
296	19.784	19.730	19.824	VV	74395	3818891	5.67%	0.135%
297	19.851	19.824	19.880	VV	68193	2204258	3.27%	0.078%
298	19.894	19.880	19.926	VV	68459	1831590	2.72%	0.065%
299	19.961	19.926	19.982	VV	74211	2325730	3.46%	0.082%

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

rteres

300	19.996	19.982	20.011	VV	67300	1167331	1.73%	0.041%
301	20.053	20.011	20.134	VV	73432	4892888		
302	20.193	20.134	20.218	VV	73332	3446086		
303	20.249	20.218	20.258	VV	70253	1661112		
304	20.265	20.258	20.305	VV	70950	1857871		
305	20.358	20.305	20.418	VV	66595	4011277		
306	20.453	20.418	20.518	VV	64969	3542379	5.26%	0.125%
307	20.528	20.518	20.538	VV	57313	672957	1.00%	0.024%
308	20.573	20.538	20.648	VV	61353	3540141	5.26%	0.125%
309	20.687	20.648	20.741	VV	49068	2580950	3.83%	0.091%
310	20.749	20.741	20.781	VV	44324	1025363	1.52%	0.036%
311	20.794	20.781	20.871	VV	45101	2165281	3.22%	0.077%
312	20.897	20.871	20.930	VV	37922	1254931	1.86%	0.044%
313	20.960	20.930	20.984	VV	34888	1069578	1.59%	0.038%
314	21.009	20.984	21.051	VV	33725	1257777	1.87%	0.044%
315	21.058	21.051	21.094	VV	30551	747477	1.11%	0.026%
316	21.104	21.094	21.136	VV	30088	704168	1.05%	0.025%
317	21.142	21.136	21.234	VV	27842	1437513	2.14%	0.051%
318	21.241	21.234	21.312	VV	22853	953851	1.42%	0.034%
319	21.330	21.312	21.532	VV	19402	1936282	2.88%	0.068%
320	21.554	21.532	21.599	VV	12635	433288	0.64%	0.015%
321	21.609	21.599	21.682	VV	12169	453076	0.67%	0.016%
322	21.691	21.682	21.702	VV	7913	84590	0.13%	0.003%
323	21.711	21.702	21.741	VV	7389	150713	0.22%	0.005%
324	21.751	21.741	21.760	VV	6240	57904	0.09%	0.002%
325	21.772	21.760	21.801	VBA	5936	172775	0.26%	0.006%

Sum of corrected areas: 2829294825

Aliphatic EPH 102324.M Sat Oct 26 01:00:08 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4DL		SDG No.:	P4518	
Lab Sample ID:	P4518-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067556.D	10	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	140		4.73	12.4	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	819	E	2.98	8.29	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	762	E	3.73	12.4	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	162		9.95	16.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	172		22.4	24.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.67		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:	P4518-04DL	Acq On:	29 Oct 2024 11:23
Client Sample ID:	EX-5-TPH-4DL	Operator:	YP/AJ
Data file:	FC067556.D	Misc:	
Instrument:	FID_C	ALS Vial:	30
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	22970876	169.565	300	ug/ml
Aliphatic C12-C16	6.454	9.842	130160403	988.447	200	ug/ml
Aliphatic C16-C21	9.843	13.200	117053682	919.98	300	ug/ml
Aliphatic C21-C28	13.201	16.853	23516503	195.823	400	ug/ml
Aliphatic C28-C40	16.854	21.695	21027710	208.003	600	ug/ml
Aliphatic EPH	3.173	21.695	314729174	2480		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	396097	3.67		ug/ml
Aliphatic C9-C28	3.173	16.853	293701464	2270	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067556.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 11:23
Operator : YP/AJ
Sample : P4518-04DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4DL

Integration File: sample.E
Quant Time: Oct 30 03:46:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.931	396097	3.668 ug/ml
Spiked Amount 50.000		Recovery =	7.34%
Target Compounds			

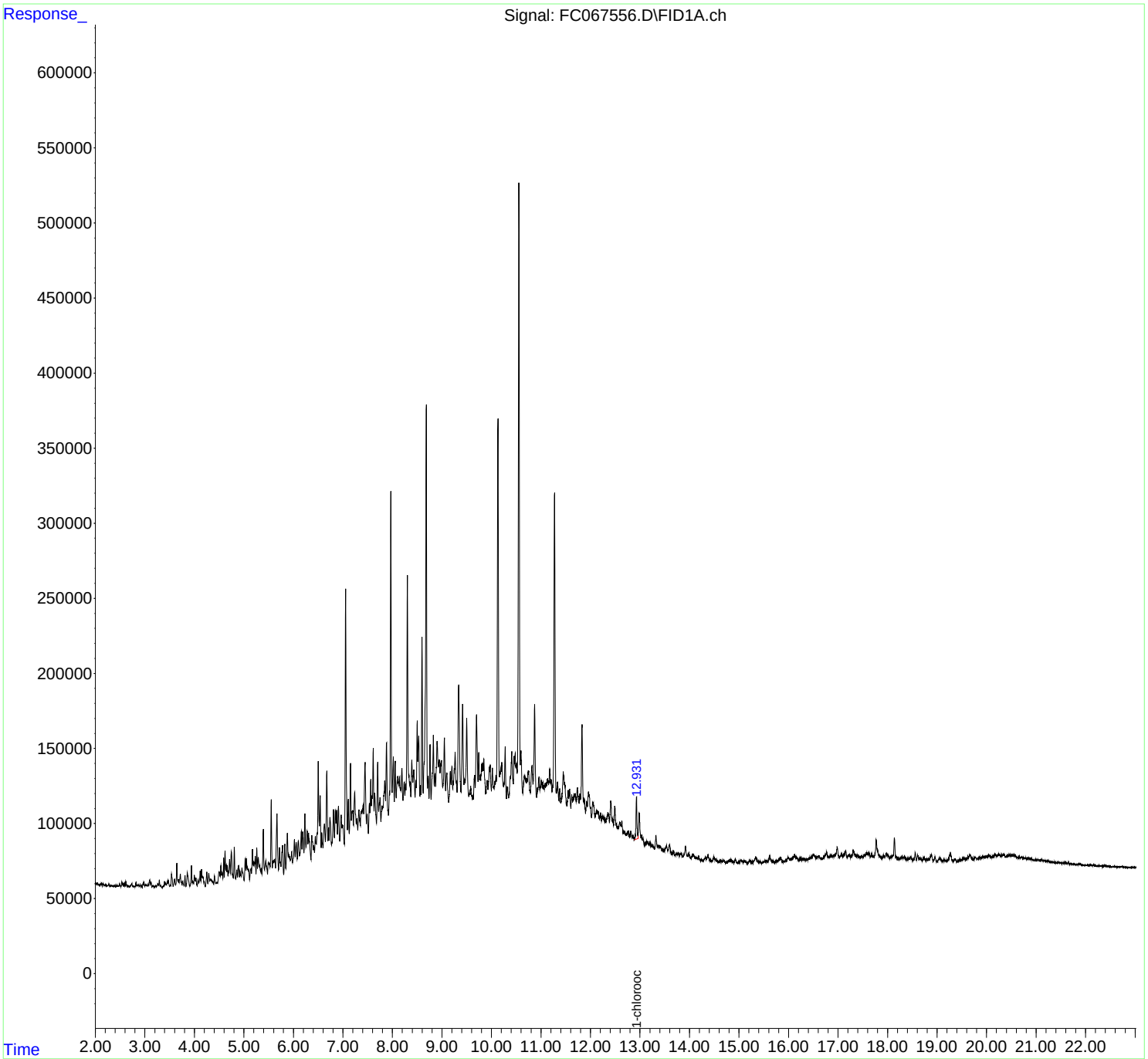
(f)=RT Delta > 1/2 Window (m)=manual int.

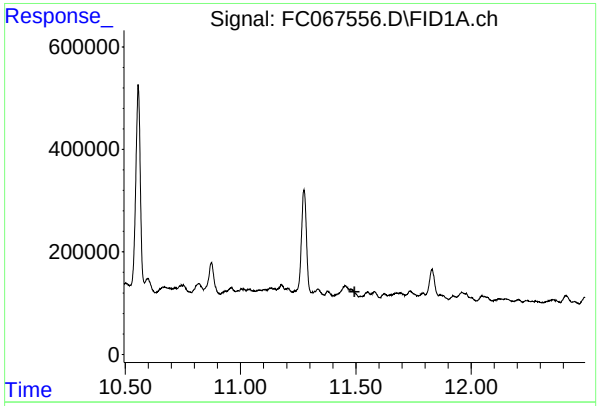
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067556.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 11:23
Operator : YP/AJ
Sample : P4518-04DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4DL

Integration File: sample.E
Quant Time: Oct 30 03:46:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

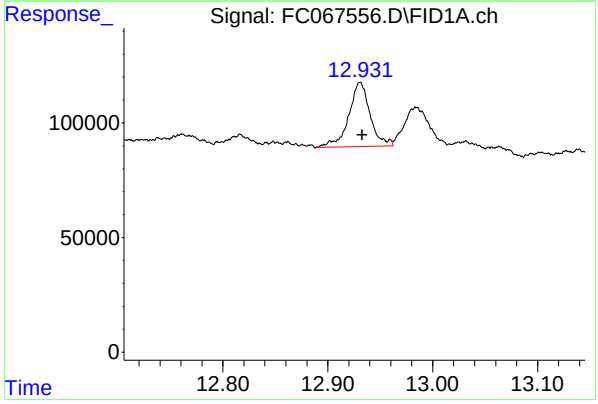




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.931 min
Delta R.T.: -0.002 min
Response: 396097
Conc: 3.67 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067556.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 11:23
Sample : P4518-04DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.219	3.155	3.230	BV	287	-4679	-0.06%	-0.001%
2	3.262	3.230	3.277	VV	2128	29396	0.37%	0.009%
3	3.292	3.277	3.308	VV	4714	43463	0.55%	0.014%
4	3.321	3.308	3.353	VV	1342	15693	0.20%	0.005%
5	3.372	3.353	3.381	PV	896	7951	0.10%	0.003%
6	3.397	3.381	3.410	VV	3933	40529	0.51%	0.013%
7	3.420	3.410	3.435	VV	2703	31620	0.40%	0.010%
8	3.451	3.435	3.461	VV	3715	41601	0.52%	0.013%
9	3.475	3.461	3.501	VV	4513	62286	0.78%	0.020%
10	3.512	3.501	3.520	VV	1470	12117	0.15%	0.004%
11	3.539	3.520	3.572	VV	8771	136477	1.71%	0.043%
12	3.600	3.572	3.620	VV	5373	84965	1.07%	0.027%
13	3.645	3.620	3.666	VV	15951	191192	2.40%	0.060%
14	3.677	3.666	3.689	VV	5042	59315	0.74%	0.019%
15	3.716	3.689	3.750	VV	8572	165590	2.08%	0.052%
16	3.765	3.750	3.793	VV	3932	56531	0.71%	0.018%
17	3.811	3.793	3.829	VV	7420	67376	0.84%	0.021%
18	3.858	3.829	3.906	VV	9415	191944	2.41%	0.061%
19	3.941	3.906	3.958	VV	14133	161956	2.03%	0.051%
20	3.967	3.958	3.984	VV	3771	48717	0.61%	0.015%
21	4.001	3.984	4.020	VV	7485	105134	1.32%	0.033%
22	4.032	4.020	4.054	VV	5726	70311	0.88%	0.022%
23	4.075	4.054	4.089	VV	4450	59470	0.75%	0.019%
24	4.117	4.089	4.129	VV	10361	134819	1.69%	0.043%
25	4.144	4.129	4.218	VV	11549	269245	3.38%	0.085%
26	4.251	4.218	4.271	VV	9585	132544	1.66%	0.042%
27	4.291	4.271	4.314	VV	8538	135959	1.70%	0.043%
28	4.326	4.314	4.339	VV	4735	63590	0.80%	0.020%
29	4.347	4.339	4.389	VV	4212	90010	1.13%	0.028%
30	4.407	4.389	4.432	VV	6816	95933	1.20%	0.030%
31	4.455	4.432	4.468	VV	2781	48229	0.60%	0.015%
32	4.498	4.468	4.519	VV	9480	202883	2.54%	0.064%
33	4.535	4.519	4.550	VV	13713	188551	2.36%	0.060%
34	4.561	4.550	4.576	VV	9073	116928	1.47%	0.037%
35	4.591	4.576	4.604	VV	18673	193042	2.42%	0.061%
36	4.619	4.604	4.634	VV	23342	273159	3.43%	0.086%

rteres

37	4.644	4.634	4.679	VV	13922	303401	3.80%	0.096%
38	4.711	4.679	4.727	VV	17612	336593	4.22%	0.106%
39	4.747	4.727	4.787	VV	22747	464518	5.82%	0.147%
40	4.807	4.787	4.835	VV	25367	342857	4.30%	0.108%
41	4.857	4.835	4.871	VV	10279	158718	1.99%	0.050%
42	4.893	4.871	4.911	VV	13399	237443	2.98%	0.075%
43	4.922	4.911	4.943	VV	9593	145973	1.83%	0.046%
44	4.961	4.943	5.004	VV	11590	274850	3.45%	0.087%
45	5.027	5.004	5.040	VV	17841	236923	2.97%	0.075%
46	5.052	5.040	5.115	VV	17979	494378	6.20%	0.156%
47	5.142	5.115	5.154	VV	10972	197047	2.47%	0.062%
48	5.173	5.154	5.202	VV	23840	457310	5.73%	0.145%
49	5.230	5.202	5.245	VV	19200	373442	4.68%	0.118%
50	5.261	5.245	5.276	VV	24829	310694	3.90%	0.098%
51	5.291	5.276	5.313	VV	18387	329655	4.13%	0.104%
52	5.321	5.313	5.339	VV	13199	180080	2.26%	0.057%
53	5.351	5.339	5.363	VV	10896	138110	1.73%	0.044%
54	5.392	5.363	5.417	VV	36860	602239	7.55%	0.190%
55	5.442	5.417	5.477	VV	16211	447351	5.61%	0.141%
56	5.496	5.477	5.508	VV	15325	237774	2.98%	0.075%
57	5.517	5.508	5.530	VV	14335	177945	2.23%	0.056%
58	5.552	5.530	5.576	VV	56490	780887	9.79%	0.247%
59	5.621	5.576	5.639	VV	16762	566439	7.10%	0.179%
60	5.668	5.639	5.701	VV	47264	949389	11.90%	0.300%
61	5.720	5.701	5.749	VV	24845	479894	6.02%	0.152%
62	5.780	5.749	5.804	VV	26154	578239	7.25%	0.183%
63	5.827	5.804	5.847	VV	26657	416388	5.22%	0.132%
64	5.878	5.847	5.941	VV	34198	1158796	14.53%	0.366%
65	5.965	5.941	5.983	VV	21636	446211	5.60%	0.141%
66	6.021	5.983	6.038	VV	29819	685730	8.60%	0.217%
67	6.057	6.038	6.079	VV	27563	568351	7.13%	0.180%
68	6.100	6.079	6.124	VV	28821	636291	7.98%	0.201%
69	6.160	6.124	6.174	VV	35337	764228	9.58%	0.242%
70	6.189	6.174	6.213	VV	34855	682902	8.56%	0.216%
71	6.232	6.213	6.254	VV	46997	808015	10.13%	0.255%
72	6.279	6.254	6.295	VV	35354	745006	9.34%	0.236%
73	6.307	6.295	6.354	VV	33788	932758	11.70%	0.295%
74	6.373	6.354	6.402	VV	32103	735324	9.22%	0.233%
75	6.412	6.402	6.426	VV	25381	346666	4.35%	0.110%
76	6.444	6.426	6.465	VV	31388	618214	7.75%	0.195%
77	6.502	6.465	6.525	VV	81089	1663678	20.86%	0.526%
78	6.541	6.525	6.562	VV	58516	939164	11.78%	0.297%
79	6.574	6.562	6.598	VV	33573	609775	7.65%	0.193%
80	6.627	6.598	6.648	VV	39776	1001383	12.56%	0.317%
81	6.674	6.648	6.699	VV	74534	1454404	18.24%	0.460%
82	6.710	6.699	6.722	VV	37314	450949	5.65%	0.143%
83	6.739	6.722	6.770	VV	43808	1033173	12.96%	0.327%
84	6.811	6.770	6.829	VV	49280	1245620	15.62%	0.394%
85	6.849	6.829	6.862	VV	48365	817663	10.25%	0.259%
86	6.874	6.862	6.890	VV	48641	705251	8.84%	0.223%
87	6.911	6.890	6.937	VV	51164	1115281	13.99%	0.353%
88	6.965	6.937	6.981	VV	45210	988349	12.39%	0.313%
89	6.993	6.981	7.028	VV	38508	973390	12.21%	0.308%

90	7.055	7.028	7.092	VV	196515	3221730	40.40%	1.019%
91	7.109	7.092	7.129	VV	55726	965562	12.11%	0.305%
92	7.154	7.129	7.172	VV	79455	1387717	17.40%	0.439%
93	7.195	7.172	7.212	VV	47816	1096508	13.75%	0.347%
94	7.238	7.212	7.271	VV	60325	1717787	21.54%	0.543%
95	7.283	7.271	7.300	VV	42890	700895	8.79%	0.222%
96	7.324	7.300	7.352	VV	48484	1307383	16.39%	0.413%
97	7.408	7.352	7.421	VV	51460	1977658	24.80%	0.625%
98	7.447	7.421	7.476	VV	79552	1968757	24.69%	0.623%
99	7.491	7.476	7.515	VV	45682	937153	11.75%	0.296%
100	7.535	7.515	7.546	VV	52279	829968	10.41%	0.262%
101	7.562	7.546	7.593	VV	68341	1631543	20.46%	0.516%
102	7.613	7.593	7.630	VV	88444	1467668	18.40%	0.464%
103	7.643	7.630	7.679	VV	59315	1482885	18.59%	0.469%
104	7.703	7.679	7.723	VV	79724	1572628	19.72%	0.497%
105	7.750	7.723	7.768	VV	56645	1356000	17.00%	0.429%
106	7.792	7.768	7.805	VV	50726	1034511	12.97%	0.327%
107	7.846	7.805	7.862	VV	67447	1992919	24.99%	0.630%
108	7.881	7.862	7.920	VV	92825	2245511	28.16%	0.710%
109	7.968	7.920	7.994	VV	259326	4581145	57.45%	1.449%
110	8.019	7.994	8.039	VV	82277	1852091	23.22%	0.586%
111	8.056	8.039	8.077	VV	79778	1506529	18.89%	0.476%
112	8.109	8.077	8.131	VV	70008	2140646	26.84%	0.677%
113	8.145	8.131	8.173	VV	69970	1630681	20.45%	0.516%
114	8.193	8.173	8.214	VV	75403	1582829	19.85%	0.500%
115	8.239	8.214	8.253	VV	65712	1433761	17.98%	0.453%
116	8.303	8.253	8.373	VV	202525	6179614	77.49%	1.954%
117	8.393	8.373	8.413	VV	80714	1696404	21.27%	0.536%
118	8.432	8.413	8.458	VV	73869	1817227	22.79%	0.575%
119	8.475	8.458	8.483	VV	66825	928690	11.65%	0.294%
120	8.501	8.483	8.515	VV	106822	1636462	20.52%	0.517%
121	8.532	8.515	8.555	VV	96324	1981873	24.85%	0.627%
122	8.567	8.555	8.577	VV	63738	796883	9.99%	0.252%
123	8.599	8.577	8.622	VV	163496	2679787	33.60%	0.847%
124	8.684	8.622	8.709	VV	315663	6904982	86.59%	2.183%
125	8.723	8.709	8.740	VV	69682	1208554	15.15%	0.382%
126	8.760	8.740	8.782	VV	91017	1789340	22.44%	0.566%
127	8.828	8.782	8.846	VV	96732	2805853	35.18%	0.887%
128	8.860	8.846	8.873	VV	71373	1082655	13.58%	0.342%
129	8.905	8.873	8.926	VV	92467	2551825	32.00%	0.807%
130	8.944	8.926	8.965	VV	79544	1785888	22.39%	0.565%
131	8.991	8.965	9.018	VV	79932	2337935	29.32%	0.739%
132	9.050	9.018	9.075	VV	94786	2540180	31.85%	0.803%
133	9.097	9.075	9.136	VV	70718	2341475	29.36%	0.740%
134	9.170	9.136	9.184	VV	72454	1766141	22.15%	0.558%
135	9.201	9.184	9.219	VV	75873	1443188	18.10%	0.456%
136	9.268	9.219	9.307	VV	85127	3704093	46.45%	1.171%
137	9.338	9.307	9.388	VV	129635	4244148	53.22%	1.342%
138	9.419	9.388	9.446	VV	117295	2973543	37.29%	0.940%
139	9.457	9.446	9.471	VV	65815	1002068	12.57%	0.317%
140	9.502	9.471	9.546	VV	107330	3371312	42.27%	1.066%
141	9.559	9.546	9.568	VV	58052	742604	9.31%	0.235%

rteres

142	9.582	9.568	9.614	VV	62618	1623986	20.36%	0.513%
143	9.624	9.614	9.634	VV	55620	634528	7.96%	0.201%
144	9.659	9.634	9.673	VV	69546	1485562	18.63%	0.470%
145	9.700	9.673	9.729	VV	110095	2896405	36.32%	0.916%
146	9.745	9.729	9.768	VV	84586	1717944	21.54%	0.543%
147	9.803	9.768	9.811	VV	76998	1841130	23.09%	0.582%
148	9.825	9.811	9.834	VV	77588	1027579	12.89%	0.325%
149	9.846	9.834	9.887	VV	80003	2231483	27.98%	0.706%
150	9.915	9.887	9.935	VV	65761	1765596	22.14%	0.558%
151	9.973	9.935	10.001	VV	75275	2727620	34.20%	0.862%
152	10.021	10.001	10.051	VV	74248	1975771	24.78%	0.625%
153	10.132	10.051	10.164	VV	302893	7820082	98.06%	2.473%
154	10.210	10.164	10.245	VV	77630	3457567	43.36%	1.093%
155	10.278	10.245	10.305	VV	86829	2420992	30.36%	0.766%
156	10.319	10.305	10.347	VV	61371	1477027	18.52%	0.467%
157	10.411	10.347	10.442	VV	85021	3887784	48.75%	1.229%
158	10.459	10.442	10.468	VV	81309	1176530	14.75%	0.372%
159	10.480	10.468	10.519	VV	83676	2357451	29.56%	0.745%
160	10.556	10.519	10.585	VV	459609	7974725	100.00%	2.522%
161	10.597	10.585	10.631	VV	85291	2035907	25.53%	0.644%
162	10.670	10.631	10.724	VV	68945	3617608	45.36%	1.144%
163	10.750	10.724	10.786	VV	71453	2450377	30.73%	0.775%
164	10.819	10.786	10.840	VV	74931	2188088	27.44%	0.692%
165	10.873	10.840	10.911	VV	115838	3344247	41.94%	1.057%
166	10.961	10.911	10.979	VV	67551	2479310	31.09%	0.784%
167	11.011	10.979	11.025	VV	64356	1687426	21.16%	0.534%
168	11.039	11.025	11.064	VV	63683	1476582	18.52%	0.467%
169	11.106	11.064	11.113	VV	63209	1796566	22.53%	0.568%
170	11.132	11.113	11.155	VV	65729	1612856	20.22%	0.510%
171	11.177	11.155	11.198	VV	72577	1725666	21.64%	0.546%
172	11.205	11.198	11.228	VV	65603	1114316	13.97%	0.352%
173	11.275	11.228	11.313	VV	256884	5900113	73.99%	1.866%
174	11.336	11.313	11.362	VV	63683	1727801	21.67%	0.546%
175	11.378	11.362	11.403	VV	59494	1353046	16.97%	0.428%
176	11.454	11.403	11.515	VV	69830	3947737	49.50%	1.248%
177	11.552	11.515	11.563	VV	58097	1538376	19.29%	0.486%
178	11.580	11.563	11.604	VV	58734	1311351	16.44%	0.415%
179	11.624	11.604	11.638	VV	55094	1054537	13.22%	0.333%
180	11.678	11.638	11.713	VV	55722	2407993	30.20%	0.761%
181	11.736	11.713	11.771	VV	59258	1923460	24.12%	0.608%
182	11.791	11.771	11.802	VV	55276	961547	12.06%	0.304%
183	11.830	11.802	11.902	VV	101885	3749070	47.01%	1.185%
184	11.923	11.902	11.936	VV	50357	979272	12.28%	0.310%
185	11.960	11.936	12.023	VV	56497	2571227	32.24%	0.813%
186	12.047	12.023	12.092	VV	49345	1879296	23.57%	0.594%
187	12.124	12.092	12.185	VV	44477	2348113	29.44%	0.742%
188	12.204	12.185	12.223	VV	42507	930912	11.67%	0.294%
189	12.239	12.223	12.272	VV	40513	1149121	14.41%	0.363%
190	12.281	12.272	12.310	VV	39217	872143	10.94%	0.276%
191	12.357	12.310	12.385	VV	42294	1787378	22.41%	0.565%
192	12.411	12.385	12.438	VV	50315	1375994	17.25%	0.435%
193	12.448	12.438	12.471	VV	38361	733491	9.20%	0.232%
194	12.492	12.471	12.548	VV	46939	1726221	21.65%	0.546%

195	12.593	12.548	12.625	VV	36247	1564738	19.62%	0.495%
196	12.633	12.625	12.665	VV	36100	786219	9.86%	0.249%
197	12.682	12.665	12.714	VV	30105	864085	10.84%	0.273%
198	12.761	12.714	12.791	VV	30310	1301124	16.32%	0.411%
199	12.816	12.791	12.838	VV	29750	779506	9.77%	0.246%
200	12.849	12.838	12.858	VV	26892	319499	4.01%	0.101%
201	12.861	12.858	12.889	VV	26889	484672	6.08%	0.153%
202	12.931	12.889	12.959	VV	52822	1415612	17.75%	0.448%
203	12.984	12.959	13.018	VV	41916	1172208	14.70%	0.371%
204	13.030	13.018	13.051	VV	27078	516114	6.47%	0.163%
205	13.062	13.051	13.086	VV	24396	482050	6.04%	0.152%
206	13.104	13.086	13.114	VV	21988	363434	4.56%	0.115%
207	13.139	13.114	13.181	VV	23349	873346	10.95%	0.276%
208	13.198	13.181	13.221	VV	22202	516911	6.48%	0.163%
209	13.230	13.221	13.248	VV	20352	322294	4.04%	0.102%
210	13.264	13.248	13.295	VV	20762	536320	6.73%	0.170%
211	13.323	13.295	13.351	VV	26550	750308	9.41%	0.237%
212	13.367	13.351	13.395	VV	20232	506615	6.35%	0.160%
213	13.407	13.395	13.450	VV	19856	607897	7.62%	0.192%
214	13.462	13.450	13.488	VV	16997	382828	4.80%	0.121%
215	13.535	13.488	13.565	VV	19715	821163	10.30%	0.260%
216	13.596	13.565	13.652	VV	19936	885948	11.11%	0.280%
217	13.676	13.652	13.710	VV	16255	505089	6.33%	0.160%
218	13.732	13.710	13.748	VV	14533	317581	3.98%	0.100%
219	13.770	13.748	13.796	VV	14848	402654	5.05%	0.127%
220	13.831	13.796	13.868	VV	14747	584041	7.32%	0.185%
221	13.917	13.868	13.961	VV	18585	813854	10.21%	0.257%
222	13.984	13.961	14.024	VV	14723	487580	6.11%	0.154%
223	14.073	14.024	14.165	VV	13637	998347	12.52%	0.316%
224	14.184	14.165	14.229	VV	12387	411935	5.17%	0.130%
225	14.242	14.229	14.272	VV	9909	245579	3.08%	0.078%
226	14.322	14.272	14.341	VV	11405	430347	5.40%	0.136%
227	14.373	14.341	14.449	VV	13314	679206	8.52%	0.215%
228	14.491	14.449	14.592	VV	11512	812965	10.19%	0.257%
229	14.622	14.592	14.671	VV	9263	406628	5.10%	0.129%
230	14.691	14.671	14.743	VV	9396	355844	4.46%	0.113%
231	14.794	14.743	14.811	VV	8963	331152	4.15%	0.105%
232	14.843	14.811	14.901	VV	9255	452848	5.68%	0.143%
233	14.925	14.901	14.967	VV	9809	331380	4.16%	0.105%
234	14.984	14.967	14.996	VV	7688	131338	1.65%	0.042%
235	15.042	14.996	15.110	VV	9249	557029	6.98%	0.176%
236	15.120	15.110	15.166	VV	8368	258727	3.24%	0.082%
237	15.214	15.166	15.234	VV	9020	317456	3.98%	0.100%
238	15.247	15.234	15.277	VV	8187	190764	2.39%	0.060%
239	15.335	15.277	15.411	VV	10661	692732	8.69%	0.219%
240	15.426	15.411	15.471	VV	7938	262465	3.29%	0.083%
241	15.522	15.471	15.531	VV	7931	267164	3.35%	0.084%
242	15.558	15.531	15.584	VV	8502	248568	3.12%	0.079%
243	15.614	15.584	15.675	VV	11161	488286	6.12%	0.154%
244	15.687	15.675	15.718	VV	7933	198560	2.49%	0.063%
245	15.730	15.718	15.741	VV	7458	101235	1.27%	0.032%
246	15.767	15.741	15.777	VV	8054	167258	2.10%	0.053%

247	15.806	15.777	15.821	VV	9010	221065	2.77%	0.070%
248	15.839	15.821	15.875	VV	10072	286518	3.59%	0.091%
249	15.887	15.875	15.911	VV	7746	163029	2.04%	0.052%
250	15.919	15.911	15.926	VV	7700	70077	0.88%	0.022%
251	15.944	15.926	15.959	VV	8074	154664	1.94%	0.049%
252	15.987	15.959	16.024	VV	10239	360246	4.52%	0.114%
253	16.049	16.024	16.064	VV	9235	214465	2.69%	0.068%
254	16.123	16.064	16.209	VV	11840	839352	10.53%	0.265%
255	16.239	16.209	16.274	VV	9606	340308	4.27%	0.108%
256	16.288	16.274	16.314	VV	9263	208330	2.61%	0.066%
257	16.324	16.314	16.350	VV	8875	182109	2.28%	0.058%
258	16.362	16.350	16.367	VV	8752	83459	1.05%	0.026%
259	16.374	16.367	16.383	VV	9121	82604	1.04%	0.026%
260	16.399	16.383	16.416	VV	9065	175422	2.20%	0.055%
261	16.504	16.416	16.574	VV	11880	948328	11.89%	0.300%
262	16.616	16.574	16.649	VV	10716	439010	5.51%	0.139%
263	16.768	16.649	16.821	VV	12856	1034075	12.97%	0.327%
264	16.850	16.821	16.896	VV	10657	451457	5.66%	0.143%
265	16.919	16.896	16.935	VV	11125	249875	3.13%	0.079%
266	16.983	16.935	17.036	VV	15986	723800	9.08%	0.229%
267	17.063	17.036	17.108	VV	11207	450472	5.65%	0.142%
268	17.154	17.108	17.184	VV	13795	521210	6.54%	0.165%
269	17.213	17.184	17.247	VV	10887	379378	4.76%	0.120%
270	17.308	17.247	17.351	VV	13830	686020	8.60%	0.217%
271	17.359	17.351	17.381	VV	10611	182257	2.29%	0.058%
272	17.389	17.381	17.456	VV	10585	423808	5.31%	0.134%
273	17.482	17.456	17.501	VV	10041	255602	3.21%	0.081%
274	17.526	17.501	17.548	VV	10586	276838	3.47%	0.088%
275	17.571	17.548	17.585	VV	11645	245621	3.08%	0.078%
276	17.603	17.585	17.616	VV	11403	207927	2.61%	0.066%
277	17.630	17.616	17.651	VV	11801	230066	2.88%	0.073%
278	17.673	17.651	17.725	VV	11085	426355	5.35%	0.135%
279	17.770	17.725	17.855	VV	20559	966347	12.12%	0.306%
280	17.873	17.855	17.894	VV	9266	206567	2.59%	0.065%
281	17.923	17.894	17.939	VV	9856	247035	3.10%	0.078%
282	17.945	17.939	17.951	VV	9196	61794	0.77%	0.020%
283	17.972	17.951	17.990	VV	11246	241029	3.02%	0.076%
284	18.003	17.990	18.044	VV	10116	302355	3.79%	0.096%
285	18.056	18.044	18.071	VV	8948	136001	1.71%	0.043%
286	18.138	18.071	18.192	VV	21085	806988	10.12%	0.255%
287	18.201	18.192	18.238	VV	8131	210850	2.64%	0.067%
288	18.256	18.238	18.271	VV	7845	147506	1.85%	0.047%
289	18.295	18.271	18.314	VV	8864	205320	2.57%	0.065%
290	18.337	18.314	18.411	VV	8541	450175	5.65%	0.142%
291	18.423	18.411	18.430	VV	7322	82494	1.03%	0.026%
292	18.468	18.430	18.498	VV	8648	309076	3.88%	0.098%
293	18.509	18.498	18.518	VV	6679	78866	0.99%	0.025%
294	18.558	18.518	18.584	VV	11325	320472	4.02%	0.101%
295	18.608	18.584	18.645	VV	9651	287970	3.61%	0.091%
296	18.657	18.645	18.708	VV	7539	256570	3.22%	0.081%
297	18.738	18.708	18.781	VV	7702	299881	3.76%	0.095%
298	18.823	18.781	18.840	VV	6733	224691	2.82%	0.071%
299	18.889	18.840	18.925	VV	9594	390289	4.89%	0.123%

rteres

300	18.958	18.925	18.991	VV	7954	251439	3.15%	0.080%
301	19.061	18.991	19.122	VV	7169	468582	5.88%	0.148%
302	19.147	19.122	19.188	VV	5871	217714	2.73%	0.069%
303	19.191	19.188	19.198	VV	5725	32246	0.40%	0.010%
304	19.271	19.198	19.337	VV	10151	567835	7.12%	0.180%
305	19.363	19.337	19.398	VV	6535	207276	2.60%	0.066%
306	19.467	19.398	19.500	VV	6109	334577	4.20%	0.106%
307	19.563	19.500	19.578	VV	6662	291373	3.65%	0.092%
308	19.661	19.578	19.724	VV	9201	626500	7.86%	0.198%
309	19.777	19.724	19.810	VV	7293	331960	4.16%	0.105%
310	19.838	19.810	19.851	VV	6647	159450	2.00%	0.050%
311	19.862	19.851	19.903	VV	6896	210254	2.64%	0.066%
312	19.939	19.903	19.968	VV	7528	275929	3.46%	0.087%
313	19.995	19.968	20.018	VV	7727	224394	2.81%	0.071%
314	20.039	20.018	20.126	VV	9023	492179	6.17%	0.156%
315	20.177	20.126	20.217	VV	8699	435527	5.46%	0.138%
316	20.243	20.217	20.295	VV	8710	382768	4.80%	0.121%
317	20.317	20.295	20.328	VV	8311	160292	2.01%	0.051%
318	20.346	20.328	20.401	VV	9074	344613	4.32%	0.109%
319	20.456	20.401	20.481	VV	8309	372870	4.68%	0.118%
320	20.556	20.481	20.630	VV	8266	674376	8.46%	0.213%
321	20.659	20.630	20.685	VV	6607	208444	2.61%	0.066%
322	20.710	20.685	20.754	VV	6379	252383	3.16%	0.080%
323	20.766	20.754	20.777	VV	5904	79616	1.00%	0.025%
324	20.788	20.777	20.807	VV	5978	104541	1.31%	0.033%
325	20.816	20.807	20.838	VV	5969	104875	1.32%	0.033%
326	20.848	20.838	20.939	VV	5599	318387	3.99%	0.101%
327	20.970	20.939	21.069	VV	4558	336903	4.22%	0.107%
328	21.114	21.069	21.227	VV	4554	375490	4.71%	0.119%
329	21.237	21.227	21.310	VV	3902	155983	1.96%	0.049%
330	21.338	21.310	21.411	VV	2812	154288	1.93%	0.049%
331	21.418	21.411	21.447	VV	2487	49889	0.63%	0.016%
332	21.457	21.447	21.486	VV	2472	54570	0.68%	0.017%
333	21.493	21.486	21.503	VV	2328	22083	0.28%	0.007%
334	21.509	21.503	21.520	VV	2154	21350	0.27%	0.007%
335	21.531	21.520	21.541	VV	2101	24419	0.31%	0.008%
336	21.552	21.541	21.571	VV	2095	33854	0.42%	0.011%
337	21.589	21.571	21.641	VV	2308	84399	1.06%	0.027%
338	21.655	21.641	21.748	VV	1960	92577	1.16%	0.029%
339	21.758	21.748	21.801	VV	1277	32690	0.41%	0.010%
340	21.821	21.801	21.835	VV	970	18545	0.23%	0.006%
341	21.844	21.835	21.851	VV	1033	8680	0.11%	0.003%
342	21.863	21.851	21.875	VV	1105	13213	0.17%	0.004%
343	21.878	21.875	22.006	VV	1118	35690	0.45%	0.011%
344	22.040	22.006	22.059	PV	298	4823	0.06%	0.002%

Sum of corrected areas: 316258435

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4DL		SDG No.:	P4518	
Lab Sample ID:	P4518-04DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048615.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	33.4		1.87	4.15	mg/kg
Aromatic C12-C16	Aromatic C12-C16	238	E	2.11	6.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	617	E	5.97	10.4	mg/kg
Aromatic C21-C36	Aromatic C21-C36	88.5		12.4	16.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	15.4		40 - 140	154%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	13.0		40 - 140	130%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	7.51		40 - 140	75%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-04DL	Acq On:	29 Oct 2024 09:31
Client Sample ID:	EX-5-TPH-4DL	Operator:	YP/AJ
Data file:	FD048615.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	14192652	80.547	200	ug/ml
Aromatic C12-C16	5.813	8.417	102069740	575.776	300	ug/ml
Aromatic C16-C21	8.418	12.677	244146147	1490	500	ug/ml
Aromatic C21-C36	12.678	18.081	32594673	213.437	800	ug/ml
Aromatic EPH	4.094	18.081	393003212	2360		ug/ml
2-Bromonaphthalene (SURR)	7.371	7.371	2338106	15.4		ug/ml
2-Flurobiphenyl (SURR)	8.223	8.223	1275250	12.99		ug/ml
ortho-Terphenyl (SURR)	11.256	11.256	1279387	7.51		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048615.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 09:31
Operator : YP/AJ
Sample : P4518-04DL 5X
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:39:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.371	2338106	15.405 ug/mlm
Spiked Amount 50.000		Recovery =	30.81%
6) S 2-Flurobiphenyl (SURR)	8.223	1275250	12.987 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	25.97%
11) S ortho-Terphenyl (SURR)	11.256	1279387	7.511 ug/mlm
Spiked Amount 50.000		Recovery =	15.02%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048615.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 09:31
Operator : YP/AJ
Sample : P4518-04DL 5X
Misc :
ALS Vial : 76 Sample Multiplier: 1

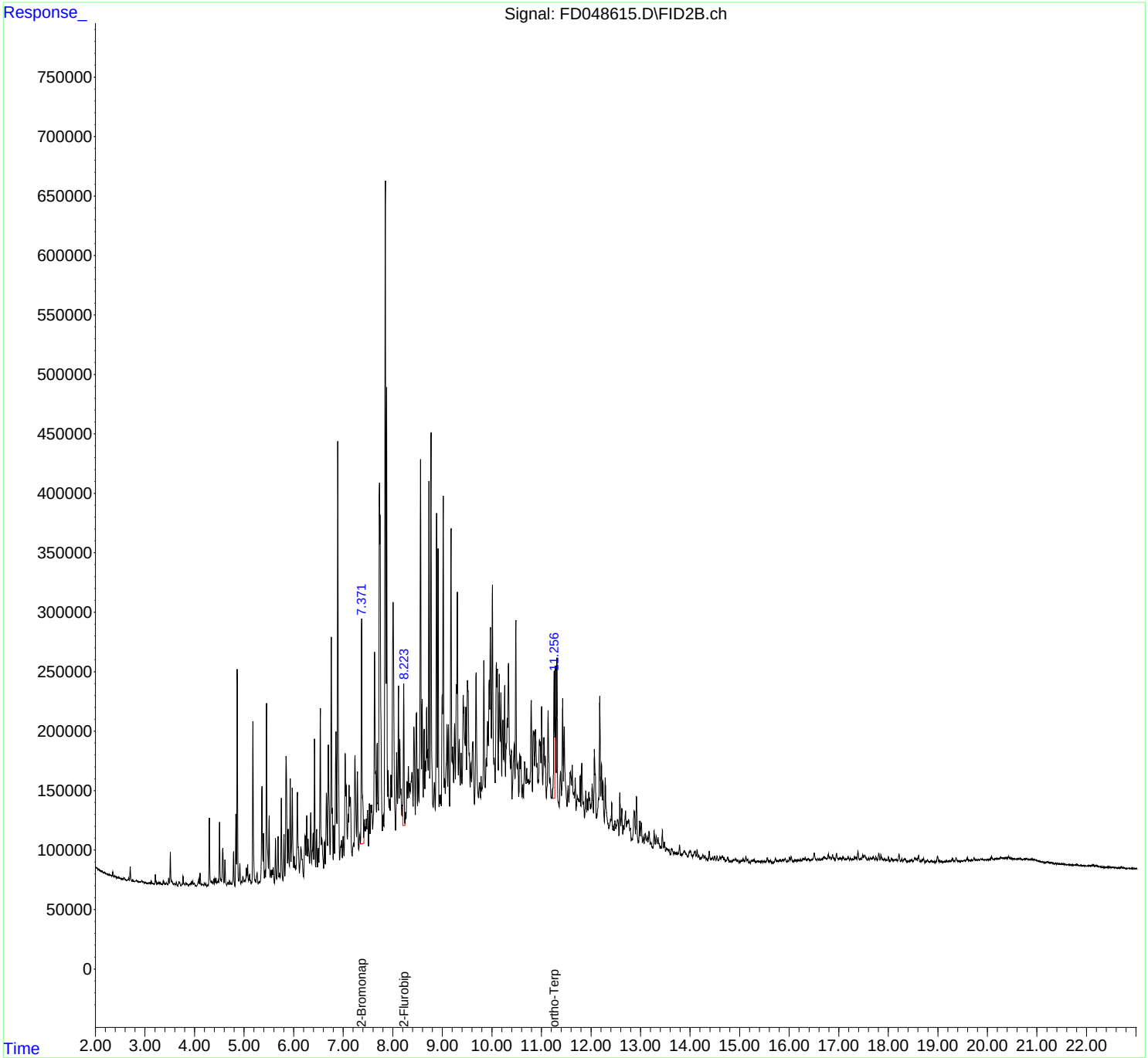
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

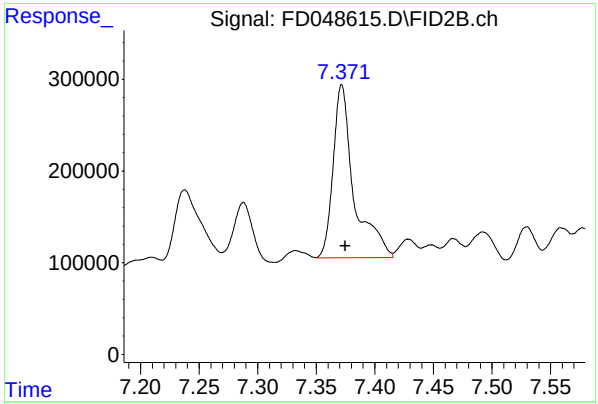
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:39:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





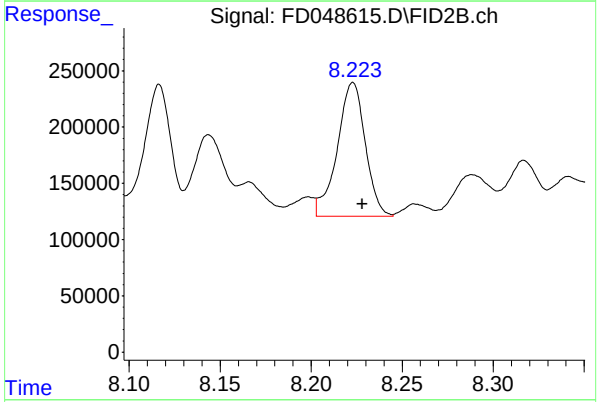
#4 2-Bromonaphthalene (SURR)

R.T.: 7.371 min
Delta R.T.: -0.003 mi
Response: 2338106
Conc: 15.40 ug/m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

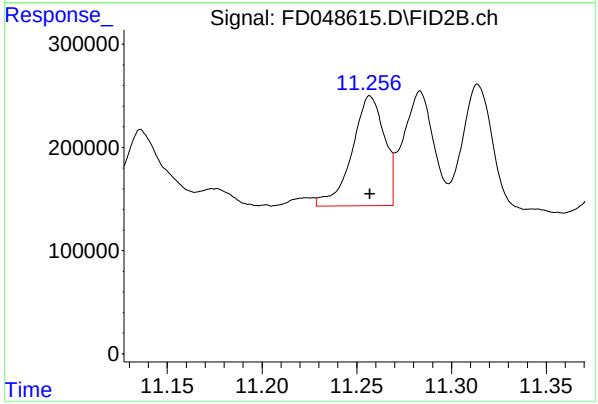
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.223 min
Delta R.T.: -0.006 min
Response: 1275250
Conc: 12.99 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.256 min
Delta R.T.: 0.000 min
Response: 1279387
Conc: 7.51 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048615.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 09:31
Sample : P4518-04DL 5X
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.085	4.042	4.097	BV	5982	87643	1.22%	0.022%
2	4.112	4.097	4.136	VV	11045	120651	1.68%	0.030%
3	4.150	4.136	4.156	VV	1346	15164	0.21%	0.004%
4	4.163	4.156	4.183	VV	1308	17983	0.25%	0.005%
5	4.198	4.183	4.212	VV	2919	30111	0.42%	0.008%
6	4.224	4.212	4.246	VV	2171	24530	0.34%	0.006%
7	4.259	4.246	4.263	PV	496	2558	0.04%	0.001%
8	4.298	4.263	4.336	VV	57193	556319	7.73%	0.141%
9	4.348	4.336	4.373	VV	4240	69114	0.96%	0.017%
10	4.388	4.373	4.400	VV	5687	60806	0.84%	0.015%
11	4.412	4.400	4.423	VV	6041	55256	0.77%	0.014%
12	4.434	4.423	4.451	VV	6506	72769	1.01%	0.018%
13	4.464	4.451	4.473	VV	3780	41368	0.57%	0.010%
14	4.481	4.473	4.488	VV	3990	31617	0.44%	0.008%
15	4.504	4.488	4.524	VV	53452	497896	6.92%	0.126%
16	4.532	4.524	4.543	VV	5481	52208	0.73%	0.013%
17	4.569	4.543	4.596	VV	31405	460336	6.39%	0.116%
18	4.614	4.596	4.648	VV	21594	230934	3.21%	0.058%
19	4.678	4.648	4.692	VV	2479	39685	0.55%	0.010%
20	4.707	4.692	4.723	VV	3960	41699	0.58%	0.011%
21	4.734	4.723	4.749	VV	2302	23034	0.32%	0.006%
22	4.788	4.749	4.814	VV	28568	285045	3.96%	0.072%
23	4.835	4.814	4.847	PV	60046	528760	7.34%	0.134%
24	4.862	4.847	4.888	VV	181667	1668144	23.17%	0.422%
25	4.894	4.888	4.898	VV	4007	23435	0.33%	0.006%
26	4.915	4.898	4.933	VV	18270	184087	2.56%	0.047%
27	4.949	4.933	4.961	VV	3198	41531	0.58%	0.010%
28	4.977	4.961	4.994	VV	7219	97960	1.36%	0.025%
29	5.005	4.994	5.014	VV	3912	38569	0.54%	0.010%
30	5.021	5.014	5.027	VV	3854	29788	0.41%	0.008%
31	5.046	5.027	5.058	VV	14430	169077	2.35%	0.043%
32	5.071	5.058	5.087	VV	17026	180350	2.50%	0.046%
33	5.111	5.087	5.144	VV	8643	152255	2.11%	0.038%
34	5.178	5.144	5.217	VV	137350	1451971	20.17%	0.367%
35	5.224	5.217	5.236	VV	3976	37625	0.52%	0.010%
36	5.263	5.236	5.284	VV	9789	151434	2.10%	0.038%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.303	5.284	5.317	VV	2586	33087	0.46%	0.008%
38	5.360	5.317	5.381	VV	82510	1075297	14	
39	5.392	5.381	5.409	VV	42905	416108	5	
40	5.421	5.409	5.433	VV	11296	120965	1	
41	5.452	5.433	5.491	VV	151943	1831516	25	
42	5.506	5.491	5.527	VV	57749	578964	8	
43	5.544	5.527	5.556	VV	11679	148524	2.06%	0.038%
44	5.568	5.556	5.578	VV	12197	120887	1.68%	0.031%
45	5.589	5.578	5.612	VV	13996	154082	2.14%	0.039%
46	5.635	5.612	5.658	VV	38216	402274	5.59%	0.102%
47	5.686	5.658	5.703	VV	39723	478022	6.64%	0.121%
48	5.713	5.703	5.728	VV	8988	105156	1.46%	0.027%
49	5.752	5.728	5.785	VV	71818	825369	11.46%	0.209%
50	5.806	5.785	5.823	VV	41120	418332	5.81%	0.106%
51	5.848	5.823	5.877	VV	106566	1745717	24.25%	0.441%
52	5.890	5.877	5.914	VV	45641	617737	8.58%	0.156%
53	5.932	5.914	5.947	VV	88105	913402	12.69%	0.231%
54	5.974	5.947	6.000	VV	80402	1213289	16.85%	0.307%
55	6.013	6.000	6.026	VV	22771	269999	3.75%	0.068%
56	6.034	6.026	6.044	VV	14757	150301	2.09%	0.038%
57	6.075	6.044	6.117	VV	76450	1426114	19.81%	0.360%
58	6.147	6.117	6.200	VV	30519	899153	12.49%	0.227%
59	6.233	6.200	6.248	VV	39337	744560	10.34%	0.188%
60	6.265	6.248	6.281	VV	56546	794136	11.03%	0.201%
61	6.292	6.281	6.322	VV	36894	671370	9.32%	0.170%
62	6.346	6.322	6.364	VV	58984	871486	12.10%	0.220%
63	6.393	6.364	6.407	VV	41655	749977	10.42%	0.190%
64	6.423	6.407	6.444	VV	121035	1277574	17.74%	0.323%
65	6.463	6.444	6.481	VV	44655	597377	8.30%	0.151%
66	6.499	6.481	6.510	VV	28836	369616	5.13%	0.093%
67	6.539	6.510	6.556	VV	146281	1841322	25.57%	0.465%
68	6.566	6.556	6.606	VV	36896	815954	11.33%	0.206%
69	6.623	6.606	6.639	VV	33848	455246	6.32%	0.115%
70	6.663	6.639	6.683	VV	74860	1228209	17.06%	0.310%
71	6.700	6.683	6.737	VV	115522	2102385	29.20%	0.531%
72	6.760	6.737	6.798	VV	205688	3086126	42.86%	0.780%
73	6.812	6.798	6.827	VV	47462	573878	7.97%	0.145%
74	6.855	6.827	6.872	VV	126174	2055779	28.55%	0.520%
75	6.892	6.872	6.929	VV	369792	4750445	65.98%	1.200%
76	6.951	6.929	6.959	VV	29580	453141	6.29%	0.115%
77	6.969	6.959	6.983	VV	34817	431277	5.99%	0.109%
78	6.999	6.983	7.017	VV	38018	594115	8.25%	0.150%
79	7.041	7.017	7.053	VV	107371	1417302	19.68%	0.358%
80	7.061	7.053	7.085	VV	80323	1137610	15.80%	0.287%
81	7.100	7.085	7.107	VV	56470	634116	8.81%	0.160%
82	7.119	7.107	7.130	VV	81006	935172	12.99%	0.236%
83	7.140	7.130	7.181	VV	70906	1501693	20.86%	0.379%
84	7.209	7.181	7.218	VV	32072	622338	8.64%	0.157%
85	7.238	7.218	7.269	VV	105525	2035008	28.26%	0.514%
86	7.288	7.269	7.314	VV	92063	1452134	20.17%	0.367%
87	7.333	7.314	7.349	VV	39163	722417	10.03%	0.183%
88	7.372	7.349	7.415	VV	220173	3574818	49.65%	0.903%
89	7.429	7.415	7.440	VV	51448	665285	9.24%	0.168%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

90	7.448	7.440	7.456	VV	45209	417873	5.80%	0.106%
91	7.467	7.456	7.478	VV	51959	621249	8	
92	7.492	7.478	7.512	VV	59221	985712	13	
93	7.530	7.512	7.543	VV	64877	909000	12	
94	7.559	7.543	7.569	VV	63705	836247	11	
95	7.578	7.569	7.595	VV	63679	866045	12	
96	7.634	7.595	7.654	VV	191953	3496394	48.56%	0.884%
97	7.658	7.654	7.671	VV	91965	844916	11.74%	0.214%
98	7.685	7.671	7.711	VV	115287	1864940	25.90%	0.471%
99	7.731	7.711	7.739	VV	333106	3653567	50.74%	0.923%
100	7.745	7.739	7.791	VV	306743	4535138	62.99%	1.146%
101	7.806	7.791	7.822	VV	54590	906062	12.58%	0.229%
102	7.851	7.822	7.865	VV	586601	7199959	100.00%	1.819%
103	7.877	7.865	7.896	VV	413996	4391514	60.99%	1.110%
104	7.908	7.896	7.927	VV	92170	1443305	20.05%	0.365%
105	7.939	7.927	7.949	VV	67817	833719	11.58%	0.211%
106	7.964	7.949	7.980	VV	88263	1432777	19.90%	0.362%
107	8.008	7.980	8.058	VV	233070	5905388	82.02%	1.492%
108	8.079	8.058	8.097	VV	106610	1764790	24.51%	0.446%
109	8.117	8.097	8.130	VV	162874	2109778	29.30%	0.533%
110	8.144	8.130	8.160	VV	117921	1674688	23.26%	0.423%
111	8.166	8.160	8.185	VV	76018	980614	13.62%	0.248%
112	8.199	8.185	8.203	VV	62674	636726	8.84%	0.161%
113	8.223	8.203	8.245	VV	164444	2423574	33.66%	0.612%
114	8.257	8.245	8.269	VV	56346	760259	10.56%	0.192%
115	8.289	8.269	8.303	VV	82183	1420609	19.73%	0.359%
116	8.317	8.303	8.330	VV	94963	1329231	18.46%	0.336%
117	8.341	8.330	8.357	VV	80624	1213010	16.85%	0.307%
118	8.389	8.357	8.411	VV	89779	2638652	36.65%	0.667%
119	8.428	8.411	8.456	VV	127996	2534266	35.20%	0.640%
120	8.478	8.456	8.500	VV	139427	2676881	37.18%	0.676%
121	8.513	8.500	8.529	VV	92070	1313344	18.24%	0.332%
122	8.562	8.529	8.581	VV	351757	5398980	74.99%	1.364%
123	8.594	8.581	8.617	VV	150727	2306327	32.03%	0.583%
124	8.634	8.617	8.648	VV	125810	1828530	25.40%	0.462%
125	8.664	8.648	8.671	VV	98938	1225956	17.03%	0.310%
126	8.685	8.671	8.697	VV	143849	1881233	26.13%	0.475%
127	8.704	8.697	8.714	VV	107445	1016056	14.11%	0.257%
128	8.732	8.714	8.748	VV	334210	3972586	55.18%	1.004%
129	8.772	8.748	8.815	VV	373805	6197369	86.08%	1.566%
130	8.842	8.815	8.859	VV	80640	1808560	25.12%	0.457%
131	8.886	8.859	8.902	VV	306248	4264645	59.23%	1.078%
132	8.917	8.902	8.935	VV	276806	3247851	45.11%	0.821%
133	8.946	8.935	8.957	VV	69706	859674	11.94%	0.217%
134	8.968	8.957	8.978	VV	69460	841199	11.68%	0.213%
135	8.998	8.978	9.005	VV	154012	1791694	24.88%	0.453%
136	9.020	9.005	9.040	VV	321701	4140109	57.50%	1.046%
137	9.048	9.040	9.061	VV	83539	979558	13.61%	0.248%
138	9.096	9.061	9.110	VV	128814	2851855	39.61%	0.721%
139	9.125	9.110	9.149	VV	128667	2225477	30.91%	0.562%
140	9.177	9.149	9.197	VV	293872	4550754	63.21%	1.150%
141	9.210	9.197	9.229	VV	110039	1911780	26.55%	0.483%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.249	9.229	9.266	VV	129318	2267829	31.50%	0.573%
143	9.286	9.266	9.291	VV	161701	1921074	26	
144	9.305	9.291	9.325	VV	239531	3434851	47	
145	9.344	9.325	9.365	VV	116158	2264723	31	
146	9.381	9.365	9.397	VV	104346	1746472	24	
147	9.423	9.397	9.432	VV	152864	2411290	33	
148	9.437	9.432	9.463	VV	141485	2326467	32.31%	0.588%
149	9.475	9.463	9.490	VV	142960	1956212	27.17%	0.494%
150	9.509	9.490	9.542	VV	165437	4259201	59.16%	1.076%
151	9.547	9.542	9.563	VV	104145	1194811	16.59%	0.302%
152	9.577	9.563	9.592	VV	95844	1491850	20.72%	0.377%
153	9.618	9.592	9.649	VV	113485	3169838	44.03%	0.801%
154	9.682	9.649	9.729	VV	171588	4723221	65.60%	1.194%
155	9.753	9.729	9.771	VV	79445	1861690	25.86%	0.470%
156	9.784	9.771	9.796	VV	84255	1128790	15.68%	0.285%
157	9.840	9.796	9.868	VV	181385	4396251	61.06%	1.111%
158	9.887	9.868	9.896	VV	99329	1497620	20.80%	0.378%
159	9.914	9.896	9.930	VV	130151	2336335	32.45%	0.590%
160	9.947	9.930	9.956	VV	164896	2197482	30.52%	0.555%
161	9.971	9.956	9.992	VV	209275	3585068	49.79%	0.906%
162	10.012	9.992	10.040	VV	244991	4520411	62.78%	1.142%
163	10.049	10.040	10.068	VV	99067	1522807	21.15%	0.385%
164	10.091	10.068	10.102	VV	179536	2797028	38.85%	0.707%
165	10.111	10.102	10.129	VV	174138	2341077	32.52%	0.592%
166	10.149	10.129	10.170	VV	169683	3184996	44.24%	0.805%
167	10.184	10.170	10.201	VV	153977	2272819	31.57%	0.574%
168	10.222	10.201	10.240	VV	130506	2686576	37.31%	0.679%
169	10.260	10.240	10.275	VV	160327	2549264	35.41%	0.644%
170	10.310	10.275	10.318	VV	132067	2845341	39.52%	0.719%
171	10.337	10.318	10.377	VV	178329	4656857	64.68%	1.177%
172	10.392	10.377	10.408	VV	105006	1663828	23.11%	0.420%
173	10.451	10.408	10.467	VV	110537	3140917	43.62%	0.794%
174	10.485	10.467	10.511	VV	214327	3549164	49.29%	0.897%
175	10.525	10.511	10.544	VV	94104	1688085	23.45%	0.427%
176	10.562	10.544	10.573	VV	101514	1499999	20.83%	0.379%
177	10.585	10.573	10.610	VV	99949	1921477	26.69%	0.486%
178	10.625	10.610	10.639	VV	76044	1229302	17.07%	0.311%
179	10.664	10.639	10.690	VV	95460	2545283	35.35%	0.643%
180	10.705	10.690	10.719	VV	89798	1411069	19.60%	0.357%
181	10.733	10.719	10.740	VV	80322	1023495	14.22%	0.259%
182	10.746	10.740	10.756	VV	79241	750740	10.43%	0.190%
183	10.795	10.756	10.819	VV	146565	3848283	53.45%	0.972%
184	10.838	10.819	10.844	VV	120344	1514355	21.03%	0.383%
185	10.848	10.844	10.865	VV	120106	1319624	18.33%	0.333%
186	10.881	10.865	10.907	VV	121715	2679790	37.22%	0.677%
187	10.912	10.907	10.929	VV	93379	1125046	15.63%	0.284%
188	10.935	10.929	10.941	VV	80021	574630	7.98%	0.145%
189	10.961	10.941	10.970	VV	113148	1763307	24.49%	0.446%
190	10.978	10.970	10.991	VV	111338	1300030	18.06%	0.329%
191	11.006	10.991	11.027	VV	141249	2372677	32.95%	0.600%
192	11.053	11.027	11.068	VV	114846	2385262	33.13%	0.603%
193	11.077	11.068	11.100	VV	99518	1621175	22.52%	0.410%
194	11.136	11.100	11.165	VV	137443	3644312	50.62%	0.921%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.175	11.165	11.206	VV	80083	1748555	24.29%	0.442%
196	11.257	11.206	11.270	VV	170214	3817849	53	
197	11.283	11.270	11.298	VV	174870	2279408	31	
198	11.314	11.298	11.359	VV	181525	3484918	48	
199	11.383	11.359	11.405	VV	86369	2027370	28	
200	11.430	11.405	11.446	VV	147177	2508866	34	
201	11.462	11.446	11.518	VV	123144	3586347	49.81%	0.906%
202	11.538	11.518	11.555	VV	73823	1433778	19.91%	0.362%
203	11.589	11.555	11.607	VV	85453	2390638	33.20%	0.604%
204	11.623	11.607	11.650	VV	90951	1967709	27.33%	0.497%
205	11.656	11.650	11.666	VV	67699	666704	9.26%	0.168%
206	11.683	11.666	11.699	VV	79826	1340350	18.62%	0.339%
207	11.724	11.699	11.754	VV	65078	1977804	27.47%	0.500%
208	11.760	11.754	11.766	VV	61299	465756	6.47%	0.118%
209	11.782	11.766	11.797	VV	81697	1255841	17.44%	0.317%
210	11.816	11.797	11.840	VV	92144	1917445	26.63%	0.485%
211	11.850	11.840	11.867	VV	59870	913534	12.69%	0.231%
212	11.896	11.867	11.915	VV	68634	1645056	22.85%	0.416%
213	11.929	11.915	11.941	VV	62210	898622	12.48%	0.227%
214	11.958	11.941	11.970	VV	67844	1084093	15.06%	0.274%
215	11.977	11.970	11.990	VV	62270	672328	9.34%	0.170%
216	12.001	11.990	12.007	VV	58003	583809	8.11%	0.148%
217	12.024	12.007	12.050	VV	74592	1605147	22.29%	0.406%
218	12.069	12.050	12.110	VV	103593	2643106	36.71%	0.668%
219	12.178	12.110	12.196	VV	148385	3840857	53.35%	0.971%
220	12.212	12.196	12.229	VV	91020	1532481	21.28%	0.387%
221	12.241	12.229	12.271	VV	76206	1513009	21.01%	0.382%
222	12.290	12.271	12.363	VV	79477	2776160	38.56%	0.702%
223	12.392	12.363	12.402	VV	44450	965479	13.41%	0.244%
224	12.419	12.402	12.442	VV	58180	1098886	15.26%	0.278%
225	12.452	12.442	12.466	VV	38393	540145	7.50%	0.136%
226	12.483	12.466	12.501	VV	42770	814415	11.31%	0.206%
227	12.537	12.501	12.563	VV	43745	1481296	20.57%	0.374%
228	12.583	12.563	12.603	VV	66510	1164410	16.17%	0.294%
229	12.622	12.603	12.644	VV	53181	1024108	14.22%	0.259%
230	12.658	12.644	12.669	VV	38373	535083	7.43%	0.135%
231	12.697	12.669	12.714	VV	51066	1165931	16.19%	0.295%
232	12.731	12.714	12.745	VV	42101	763079	10.60%	0.193%
233	12.762	12.745	12.784	VV	43261	926404	12.87%	0.234%
234	12.790	12.784	12.814	VV	35586	579913	8.05%	0.147%
235	12.829	12.814	12.838	VV	27007	393864	5.47%	0.100%
236	12.873	12.838	12.898	VV	50372	1433692	19.91%	0.362%
237	12.918	12.898	12.955	VV	62431	1367401	18.99%	0.346%
238	12.981	12.955	12.996	VV	42115	772963	10.74%	0.195%
239	13.012	12.996	13.039	VV	40559	856800	11.90%	0.217%
240	13.056	13.039	13.073	VV	28493	523629	7.27%	0.132%
241	13.092	13.073	13.122	VV	30869	810392	11.26%	0.205%
242	13.133	13.122	13.151	VV	28197	471169	6.54%	0.119%
243	13.172	13.151	13.195	VV	32918	729858	10.14%	0.184%
244	13.210	13.195	13.242	VV	23297	603316	8.38%	0.152%
245	13.246	13.242	13.253	VV	19667	129315	1.80%	0.033%
246	13.274	13.253	13.297	VV	33171	693572	9.63%	0.175%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.315	13.297	13.335	VV	29132	569621	7.91%	0.144%
248	13.352	13.335	13.392	VV	27318	785971	10	
249	13.404	13.392	13.418	VV	20243	308548	4	
250	13.441	13.418	13.461	VV	33617	640078	8	
251	13.479	13.461	13.505	VV	23515	528759	7	
252	13.527	13.505	13.536	VV	18076	325425	4	
253	13.541	13.536	13.565	VV	17680	286583	3.98%	0.072%
254	13.574	13.565	13.602	VV	17208	341964	4.75%	0.086%
255	13.628	13.602	13.660	VV	17853	536094	7.45%	0.135%
256	13.679	13.660	13.698	VV	15187	318195	4.42%	0.080%
257	13.706	13.698	13.720	VV	14487	180991	2.51%	0.046%
258	13.733	13.720	13.747	VV	15018	223503	3.10%	0.056%
259	13.787	13.747	13.809	VV	20643	564554	7.84%	0.143%
260	13.814	13.809	13.822	VV	12325	95359	1.32%	0.024%
261	13.834	13.822	13.849	VV	12972	203743	2.83%	0.051%
262	13.879	13.849	13.917	VV	15655	581679	8.08%	0.147%
263	13.922	13.917	13.942	VV	12971	185323	2.57%	0.047%
264	13.946	13.942	13.959	VV	10995	106915	1.48%	0.027%
265	13.982	13.959	13.992	VV	14459	252614	3.51%	0.064%
266	14.007	13.992	14.050	VV	15638	453932	6.30%	0.115%
267	14.101	14.050	14.120	VV	15123	536889	7.46%	0.136%
268	14.140	14.120	14.160	VV	15948	305072	4.24%	0.077%
269	14.175	14.160	14.199	VV	11616	232638	3.23%	0.059%
270	14.230	14.199	14.236	VV	9376	193903	2.69%	0.049%
271	14.258	14.236	14.285	VV	11718	302857	4.21%	0.077%
272	14.302	14.285	14.323	VV	10894	212646	2.95%	0.054%
273	14.330	14.323	14.357	VV	8343	158163	2.20%	0.040%
274	14.386	14.357	14.410	VV	14511	317325	4.41%	0.080%
275	14.424	14.410	14.444	VV	8459	161140	2.24%	0.041%
276	14.456	14.444	14.475	VV	9569	158125	2.20%	0.040%
277	14.492	14.475	14.521	VV	10191	229274	3.18%	0.058%
278	14.544	14.521	14.567	VV	10235	228384	3.17%	0.058%
279	14.604	14.567	14.622	VV	9686	259165	3.60%	0.065%
280	14.649	14.622	14.679	VV	10097	300317	4.17%	0.076%
281	14.683	14.679	14.715	VV	7839	150249	2.09%	0.038%
282	14.755	14.715	14.788	VV	8856	297927	4.14%	0.075%
283	14.802	14.788	14.822	VV	5625	105606	1.47%	0.027%
284	14.836	14.822	14.853	VV	5722	99994	1.39%	0.025%
285	14.877	14.853	14.883	VV	6584	102409	1.42%	0.026%
286	14.917	14.883	14.950	VV	7023	257004	3.57%	0.065%
287	14.966	14.950	14.994	VV	6486	137280	1.91%	0.035%
288	15.005	14.994	15.020	VV	5235	75756	1.05%	0.019%
289	15.035	15.020	15.050	VV	5862	98634	1.37%	0.025%
290	15.070	15.050	15.104	VV	7042	184743	2.57%	0.047%
291	15.124	15.104	15.149	VV	9237	186137	2.59%	0.047%
292	15.162	15.149	15.187	VV	6245	117916	1.64%	0.030%
293	15.202	15.187	15.217	VV	4519	72671	1.01%	0.018%
294	15.232	15.217	15.244	VV	5487	74582	1.04%	0.019%
295	15.264	15.244	15.269	VV	5413	76143	1.06%	0.019%
296	15.287	15.269	15.341	VV	6466	213994	2.97%	0.054%
297	15.360	15.341	15.380	VV	4864	104734	1.45%	0.026%
298	15.391	15.380	15.401	VV	4851	55474	0.77%	0.014%
299	15.408	15.401	15.414	VV	4228	30831	0.43%	0.008%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

300	15.418	15.414	15.430	VV	4306	40600	0.56%	0.010%
301	15.451	15.430	15.465	VV	5324	90625	1	
302	15.486	15.465	15.498	VV	4645	79931	1	
303	15.514	15.498	15.520	VV	3977	52717	0	
304	15.556	15.520	15.587	VV	7347	203585	2	
305	15.591	15.587	15.599	VV	4149	29120	0	
306	15.623	15.599	15.643	VV	4706	106647	1.48%	0.027%
307	15.648	15.643	15.669	VV	3407	45449	0.63%	0.011%
308	15.723	15.669	15.744	VV	6544	191549	2.66%	0.048%
309	15.762	15.744	15.785	VV	4649	103198	1.43%	0.026%
310	15.797	15.785	15.804	VV	4586	46875	0.65%	0.012%
311	15.822	15.804	15.838	VV	5326	96931	1.35%	0.024%
312	15.849	15.838	15.853	VV	4431	39556	0.55%	0.010%
313	15.875	15.853	15.895	VV	5426	119777	1.66%	0.030%
314	15.921	15.895	15.949	VV	5960	149729	2.08%	0.038%
315	16.007	15.949	16.025	VV	7013	208150	2.89%	0.053%
316	16.039	16.025	16.087	VV	7512	176450	2.45%	0.045%
317	16.109	16.087	16.117	VV	4587	73350	1.02%	0.019%
318	16.124	16.117	16.134	VV	4784	45556	0.63%	0.012%
319	16.137	16.134	16.156	VV	4518	55006	0.76%	0.014%
320	16.179	16.156	16.185	VV	4223	69213	0.96%	0.017%
321	16.192	16.185	16.197	VV	3986	27495	0.38%	0.007%
322	16.205	16.197	16.210	VV	3977	29556	0.41%	0.007%
323	16.227	16.210	16.251	VV	4562	99715	1.38%	0.025%
324	16.289	16.251	16.306	VV	5710	159565	2.22%	0.040%
325	16.324	16.306	16.345	VV	6458	122583	1.70%	0.031%
326	16.352	16.345	16.360	VV	4535	39466	0.55%	0.010%
327	16.369	16.360	16.375	VV	4598	39955	0.55%	0.010%
328	16.388	16.375	16.414	VV	5100	106849	1.48%	0.027%
329	16.419	16.414	16.425	VV	4138	27707	0.38%	0.007%
330	16.430	16.425	16.439	VV	4401	33552	0.47%	0.008%
331	16.446	16.439	16.463	VV	4315	59417	0.83%	0.015%
332	16.503	16.463	16.545	VV	9740	295476	4.10%	0.075%
333	16.548	16.545	16.561	VV	4440	38487	0.53%	0.010%
334	16.580	16.561	16.593	VV	4867	83486	1.16%	0.021%
335	16.607	16.593	16.626	VV	4396	78211	1.09%	0.020%
336	16.634	16.626	16.638	VV	4136	28796	0.40%	0.007%
337	16.657	16.638	16.667	VV	4443	70495	0.98%	0.018%
338	16.708	16.667	16.731	VV	6734	208340	2.89%	0.053%
339	16.736	16.731	16.761	VV	5034	85601	1.19%	0.022%
340	16.790	16.761	16.808	VV	8317	171844	2.39%	0.043%
341	16.827	16.808	16.855	VV	6146	148113	2.06%	0.037%
342	16.876	16.855	16.895	VV	7810	147054	2.04%	0.037%
343	16.899	16.895	16.924	VV	5183	73030	1.01%	0.018%
344	16.955	16.924	17.002	VV	8746	250065	3.47%	0.063%
345	17.022	17.002	17.037	VV	4842	94198	1.31%	0.024%
346	17.043	17.037	17.066	VV	4594	71183	0.99%	0.018%
347	17.089	17.066	17.130	VV	5445	169910	2.36%	0.043%
348	17.140	17.130	17.148	VV	3952	40289	0.56%	0.010%
349	17.154	17.148	17.165	VV	3862	37560	0.52%	0.009%
350	17.190	17.165	17.221	VV	5389	143250	1.99%	0.036%
351	17.236	17.221	17.267	VV	4224	103005	1.43%	0.026%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

352	17.283	17.267	17.304	VV	3655	73583	1.02%	0.019%
353	17.318	17.304	17.334	VV	4843	78137	1	
354	17.349	17.334	17.366	VV	5283	84364	1	
355	17.387	17.366	17.428	VV	10017	199362	2	
356	17.449	17.428	17.461	VV	3647	66540	0	
357	17.485	17.461	17.502	VV	6908	123997	1	
358	17.526	17.502	17.552	VV	6331	156654	2.18%	0.040%
359	17.555	17.552	17.580	VV	4062	51510	0.72%	0.013%
360	17.599	17.580	17.615	VV	3780	64735	0.90%	0.016%
361	17.636	17.615	17.655	VV	4318	85478	1.19%	0.022%
362	17.677	17.655	17.684	VV	3826	59063	0.82%	0.015%
363	17.698	17.684	17.731	VV	4720	102792	1.43%	0.026%
364	17.750	17.731	17.775	VV	4223	82746	1.15%	0.021%
365	17.806	17.775	17.831	VV	7741	148706	2.07%	0.038%
366	17.851	17.831	17.887	VV	6150	124624	1.73%	0.031%
367	17.892	17.887	17.905	VV	2455	21622	0.30%	0.005%
368	17.924	17.905	17.958	VV	2635	63795	0.89%	0.016%
369	17.963	17.958	17.979	VV	1768	18258	0.25%	0.005%
370	17.999	17.979	18.035	VV	3663	73026	1.01%	0.018%
371	18.059	18.035	18.087	VV	2984	58283	0.81%	0.015%
372	18.092	18.087	18.102	VV	1598	12857	0.18%	0.003%
373	18.121	18.102	18.127	VV	1439	18186	0.25%	0.005%
374	18.148	18.127	18.159	VV	1947	30279	0.42%	0.008%
375	18.164	18.159	18.168	VV	1411	7462	0.10%	0.002%
376	18.173	18.168	18.183	VV	1523	11190	0.16%	0.003%
377	18.189	18.183	18.194	VV	1130	6170	0.09%	0.002%
378	18.216	18.194	18.250	VBA	6413	111924	1.55%	0.028%

Sum of corrected areas: 395712493

Aromatic EPH 102324.M Wed Oct 30 03:22:38 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-04DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067557.D	100	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	132		47.3	124	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	860		29.8	82.9	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	779		37.3	124	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	61.4	J	99.5	165	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	270		223	248	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.42		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-04DL2	Acq On:	29 Oct 2024 12:00
Client Sample ID:	EX-5-TPH-4DL2	Operator:	YP/AJ
Data file:	FC067557.D	Misc:	
Instrument:	FID_C	ALS Vial:	31
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	2166001	15.989	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13668978	103.803	200	ug/ml
Aliphatic C16-C21	9.843	13.200	11958464	93.987	300	ug/ml
Aliphatic C21-C28	13.201	16.853	888813	7.401	400	ug/ml
Aliphatic C28-C40	16.854	21.695	3292936	32.573	600	ug/ml
Aliphatic EPH	3.173	21.695	31975192	253.754		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	45147	0.42		ug/ml
Aliphatic C9-C28	3.173	16.853	28682256	221.18	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067557.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 12:00
Operator : YP/AJ
Sample : P4518-04DL2 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4DL2

Integration File: sample.E
Quant Time: Oct 30 03:47:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.930	45147	0.418 ug/mlm
Spiked Amount 50.000		Recovery =	0.84%
Target Compounds			

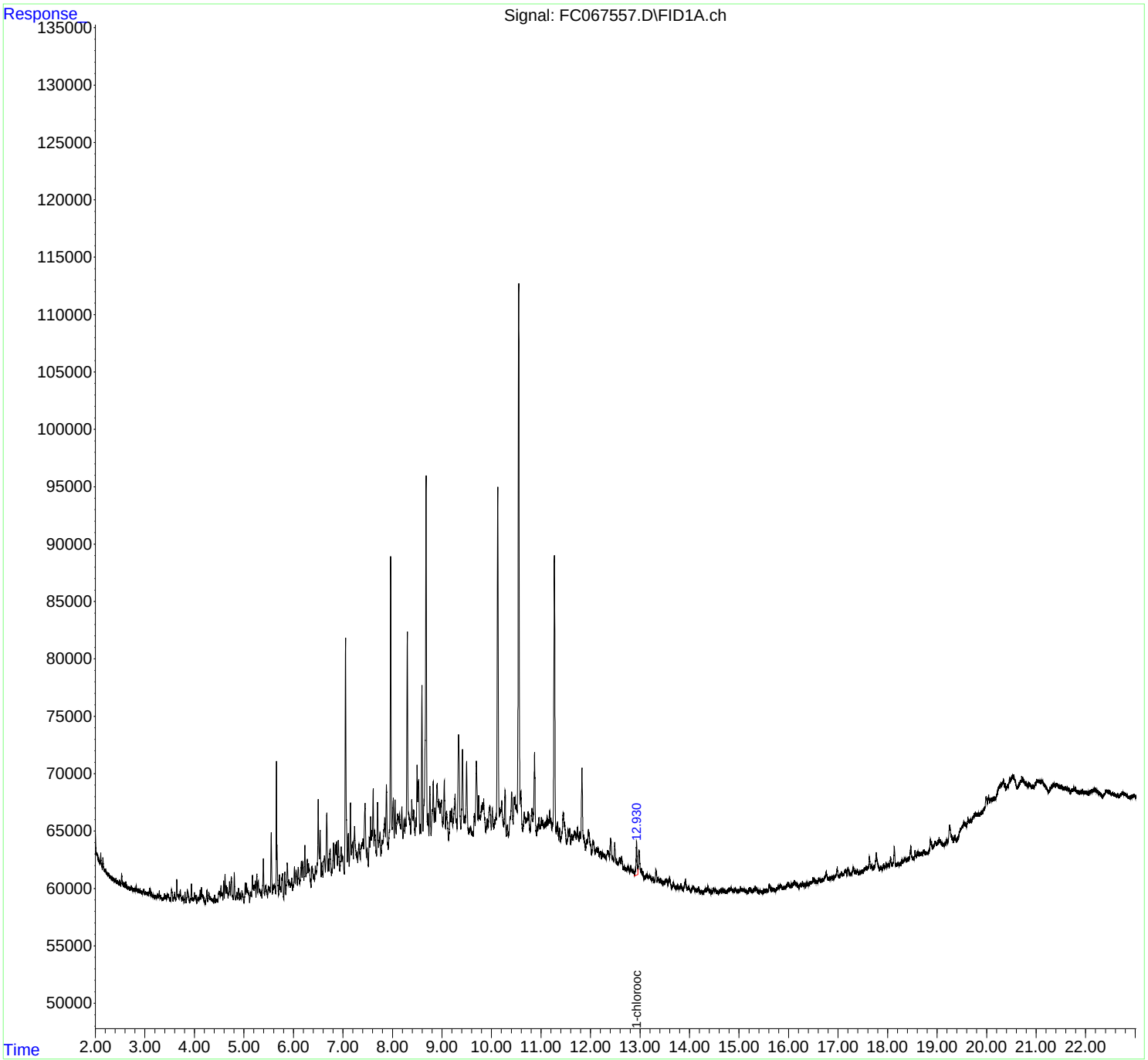
(f)=RT Delta > 1/2 Window (m)=manual int.

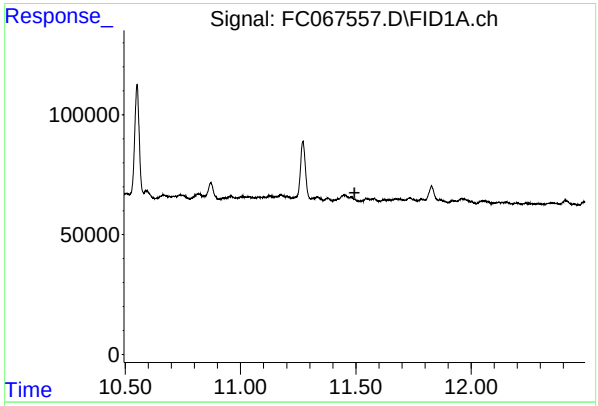
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067557.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 12:00
Operator : YP/AJ
Sample : P4518-04DL2 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4DL2

Integration File: sample.E
Quant Time: Oct 30 03:47:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

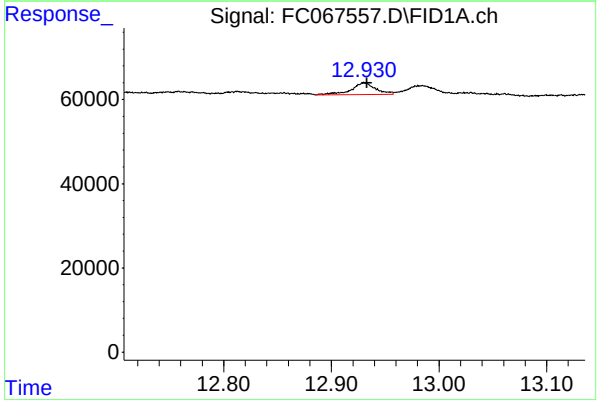




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-4DL2



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: -0.003 min
Response: 45147
Conc: 0.42 ug/ml m

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067557.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 12:00
Sample : P4518-04DL2 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.166	3.155	3.196	BV	105	904	0.10%	0.003%
2	3.210	3.196	3.234	PV	148	1900	0.21%	0.006%
3	3.261	3.234	3.277	VV	270	4965	0.55%	0.016%
4	3.291	3.277	3.353	VV	610	9393	1.05%	0.029%
5	3.396	3.353	3.435	PV	512	10059	1.12%	0.031%
6	3.452	3.435	3.465	VV	465	5390	0.60%	0.017%
7	3.474	3.465	3.501	VV	506	6349	0.71%	0.020%
8	3.510	3.501	3.525	VV	166	1461	0.16%	0.005%
9	3.539	3.525	3.575	VV	949	14527	1.62%	0.045%
10	3.601	3.575	3.624	VV	661	9813	1.09%	0.031%
11	3.646	3.624	3.689	VV	1823	28064	3.12%	0.088%
12	3.716	3.689	3.751	VV	1040	19396	2.16%	0.061%
13	3.767	3.751	3.794	VV	404	6395	0.71%	0.020%
14	3.812	3.794	3.830	VV	858	7581	0.84%	0.024%
15	3.859	3.830	3.904	PV	1139	21124	2.35%	0.066%
16	3.941	3.904	3.961	VV	1573	19010	2.11%	0.059%
17	3.967	3.961	3.985	VV	380	4442	0.49%	0.014%
18	4.001	3.985	4.020	VV	837	11291	1.26%	0.035%
19	4.033	4.020	4.052	VV	664	7631	0.85%	0.024%
20	4.077	4.052	4.089	VV	460	7056	0.79%	0.022%
21	4.117	4.089	4.129	VV	1100	15326	1.71%	0.048%
22	4.144	4.129	4.169	VV	1301	19652	2.19%	0.061%
23	4.176	4.169	4.221	VV	674	10774	1.20%	0.034%
24	4.252	4.221	4.270	PV	1096	15000	1.67%	0.047%
25	4.292	4.270	4.315	VV	943	15238	1.70%	0.048%
26	4.326	4.315	4.390	VV	560	15846	1.76%	0.050%
27	4.407	4.390	4.430	VV	715	9450	1.05%	0.030%
28	4.451	4.430	4.466	VV	282	5122	0.57%	0.016%
29	4.498	4.466	4.519	VV	1010	21824	2.43%	0.068%
30	4.535	4.519	4.576	VV	1484	30840	3.43%	0.096%
31	4.591	4.576	4.604	VV	1935	18784	2.09%	0.059%
32	4.619	4.604	4.634	VV	2541	28185	3.14%	0.088%
33	4.644	4.634	4.656	VV	1458	15618	1.74%	0.049%
34	4.666	4.656	4.680	VV	1337	13617	1.52%	0.043%
35	4.712	4.680	4.728	VV	1756	31645	3.52%	0.099%
36	4.747	4.728	4.787	VV	2249	43508	4.84%	0.136%

rteres

37	4.807	4.787	4.838	VV	2661	31992	3.56%	0.100%
38	4.858	4.838	4.871	VV	897	12069	1.34%	0.038%
39	4.892	4.871	4.911	VV	1222	19601	2.18%	0.061%
40	4.922	4.911	4.939	VV	819	9957	1.11%	0.031%
41	4.962	4.939	5.002	VV	1038	21462	2.39%	0.067%
42	5.027	5.002	5.040	VV	1726	20259	2.25%	0.063%
43	5.053	5.040	5.115	VV	1688	41907	4.66%	0.131%
44	5.140	5.115	5.153	VV	900	14520	1.62%	0.045%
45	5.173	5.153	5.203	VV	2337	43269	4.81%	0.135%
46	5.230	5.203	5.245	VV	1844	33417	3.72%	0.105%
47	5.261	5.245	5.277	VV	2477	29897	3.33%	0.093%
48	5.291	5.277	5.312	VV	1828	29659	3.30%	0.093%
49	5.321	5.312	5.340	VV	1115	15418	1.72%	0.048%
50	5.350	5.340	5.363	VV	878	9953	1.11%	0.031%
51	5.393	5.363	5.418	VV	3763	56943	6.34%	0.178%
52	5.442	5.418	5.478	VV	1493	36970	4.11%	0.116%
53	5.496	5.478	5.511	VV	1368	20867	2.32%	0.065%
54	5.519	5.511	5.531	VV	1274	13863	1.54%	0.043%
55	5.552	5.531	5.576	VV	5990	77033	8.57%	0.241%
56	5.620	5.576	5.639	VV	1455	47045	5.23%	0.147%
57	5.659	5.639	5.701	VV	6128	97220	10.82%	0.304%
58	5.720	5.701	5.750	VV	2361	41867	4.66%	0.131%
59	5.780	5.750	5.805	VV	2452	50385	5.61%	0.158%
60	5.826	5.805	5.846	VV	2596	35469	3.95%	0.111%
61	5.878	5.846	5.943	VV	3326	108267	12.05%	0.339%
62	5.965	5.943	5.983	VV	2036	38794	4.32%	0.121%
63	6.021	5.983	6.038	VV	3006	62454	6.95%	0.195%
64	6.057	6.038	6.079	VV	2674	53826	5.99%	0.168%
65	6.098	6.079	6.125	VV	2946	61758	6.87%	0.193%
66	6.160	6.125	6.174	VV	3551	71699	7.98%	0.224%
67	6.188	6.174	6.213	VV	3408	64877	7.22%	0.203%
68	6.232	6.213	6.253	VV	4884	77811	8.66%	0.243%
69	6.280	6.253	6.295	VV	3587	74927	8.34%	0.234%
70	6.308	6.295	6.354	VV	3280	86881	9.67%	0.272%
71	6.374	6.354	6.402	VV	3054	68027	7.57%	0.213%
72	6.413	6.402	6.426	VV	2318	31521	3.51%	0.099%
73	6.444	6.426	6.458	VV	3039	47841	5.32%	0.150%
74	6.502	6.458	6.528	VV	8862	186297	20.73%	0.583%
75	6.540	6.528	6.561	VV	6193	87491	9.73%	0.274%
76	6.573	6.561	6.597	VV	3304	57446	6.39%	0.180%
77	6.628	6.597	6.648	VV	3946	97902	10.89%	0.306%
78	6.674	6.648	6.699	VV	7648	148668	16.54%	0.465%
79	6.710	6.699	6.721	VV	3663	43340	4.82%	0.136%
80	6.739	6.721	6.768	VV	4404	99275	11.04%	0.310%
81	6.811	6.768	6.829	VV	5061	125537	13.97%	0.393%
82	6.848	6.829	6.861	VV	4899	81549	9.07%	0.255%
83	6.873	6.861	6.890	VV	5050	72985	8.12%	0.228%
84	6.909	6.890	6.937	VV	5285	111886	12.45%	0.350%
85	6.965	6.937	6.981	VV	4635	98427	10.95%	0.308%
86	6.997	6.981	7.028	VV	3910	93580	10.41%	0.293%
87	7.054	7.028	7.091	VV	22687	350158	38.96%	1.095%
88	7.108	7.091	7.127	VV	5856	97070	10.80%	0.304%
89	7.153	7.127	7.171	VV	8487	144638	16.09%	0.452%

90	7.196	7.171	7.212	VV	5017	110800	12.33%	0.347%
91	7.237	7.212	7.271	VV	6410	177599	19.76%	0.555%
92	7.284	7.271	7.300	VV	4261	66886	7.44%	0.209%
93	7.324	7.300	7.350	VV	4915	127384	14.17%	0.398%
94	7.408	7.350	7.420	VV	5275	200328	22.29%	0.626%
95	7.447	7.420	7.476	VV	8417	205972	22.92%	0.644%
96	7.490	7.476	7.514	VV	4566	91217	10.15%	0.285%
97	7.534	7.514	7.545	VV	5450	83544	9.29%	0.261%
98	7.562	7.545	7.576	VV	7236	110684	12.31%	0.346%
99	7.611	7.576	7.628	VV	9703	210832	23.46%	0.659%
100	7.642	7.628	7.677	VV	6058	150091	16.70%	0.469%
101	7.701	7.677	7.722	VV	8543	165826	18.45%	0.519%
102	7.748	7.722	7.767	VV	5838	136804	15.22%	0.428%
103	7.846	7.767	7.861	VV	7033	310486	34.54%	0.971%
104	7.880	7.861	7.918	VV	10015	230341	25.63%	0.720%
105	7.966	7.918	7.992	VV	29674	501434	55.79%	1.568%
106	8.017	7.992	8.038	VV	8851	199518	22.20%	0.624%
107	8.055	8.038	8.075	VV	8655	157211	17.49%	0.492%
108	8.108	8.075	8.131	VV	7444	230237	25.62%	0.720%
109	8.142	8.131	8.172	VV	7421	166998	18.58%	0.522%
110	8.191	8.172	8.213	VV	8100	168087	18.70%	0.526%
111	8.236	8.213	8.251	VV	6977	145499	16.19%	0.455%
112	8.266	8.251	8.274	VV	6934	88136	9.81%	0.276%
113	8.301	8.274	8.369	VV	23245	571774	63.61%	1.788%
114	8.392	8.369	8.415	VV	8578	197716	22.00%	0.618%
115	8.431	8.415	8.457	VV	7766	178207	19.83%	0.557%
116	8.499	8.457	8.512	VV	11727	265873	29.58%	0.831%
117	8.529	8.512	8.553	VV	10300	215469	23.97%	0.674%
118	8.565	8.553	8.575	VV	6430	81109	9.02%	0.254%
119	8.597	8.575	8.619	VV	18392	290345	32.30%	0.908%
120	8.681	8.619	8.708	VV	36723	770244	85.69%	2.409%
121	8.720	8.708	8.738	VV	7459	123875	13.78%	0.387%
122	8.758	8.738	8.785	VV	9737	205128	22.82%	0.642%
123	8.825	8.785	8.844	VV	10275	281763	31.35%	0.881%
124	8.858	8.844	8.871	VV	7890	121846	13.56%	0.381%
125	8.904	8.871	8.925	VV	9949	274427	30.53%	0.858%
126	8.939	8.925	8.961	VV	8632	178543	19.86%	0.558%
127	8.990	8.961	9.014	VV	8642	246620	27.44%	0.771%
128	9.048	9.014	9.074	VV	10298	278951	31.04%	0.872%
129	9.092	9.074	9.134	VV	7544	240308	26.74%	0.752%
130	9.168	9.134	9.181	VV	7579	183990	20.47%	0.575%
131	9.199	9.181	9.232	VV	7808	214544	23.87%	0.671%
132	9.265	9.232	9.305	VV	9039	325659	36.23%	1.018%
133	9.337	9.305	9.383	VV	14121	444811	49.49%	1.391%
134	9.417	9.383	9.446	VV	12883	336817	37.47%	1.053%
135	9.455	9.446	9.471	VV	7058	105474	11.73%	0.330%
136	9.499	9.471	9.548	VV	11926	359543	40.00%	1.124%
137	9.578	9.548	9.611	VV	6231	224727	25.00%	0.703%
138	9.622	9.611	9.632	VV	5784	70269	7.82%	0.220%
139	9.656	9.632	9.671	VV	7319	153854	17.12%	0.481%
140	9.698	9.671	9.727	VV	11863	307784	34.24%	0.963%
141	9.742	9.727	9.781	VV	8869	243308	27.07%	0.761%

142	9.799	9.781	9.809	VV	8037	130555	14.53%	0.408%
143	9.822	9.809	9.833	VV	8222	113282	12.60%	0.354%
144	9.845	9.833	9.885	VV	8516	223628	24.88%	0.699%
145	9.913	9.885	9.932	VV	6747	181575	20.20%	0.568%
146	9.970	9.932	9.995	VV	7956	273402	30.42%	0.855%
147	10.018	9.995	10.051	VV	7707	225870	25.13%	0.706%
148	10.129	10.051	10.159	VV	35705	833216	92.70%	2.606%
149	10.208	10.159	10.245	VV	8344	380074	42.29%	1.189%
150	10.275	10.245	10.301	VV	9288	242184	26.94%	0.757%
151	10.319	10.301	10.342	VV	6286	144823	16.11%	0.453%
152	10.409	10.342	10.437	VV	9164	405855	45.15%	1.269%
153	10.458	10.437	10.494	VV	8712	270348	30.08%	0.845%
154	10.504	10.494	10.517	VV	7921	110754	12.32%	0.346%
155	10.551	10.517	10.581	VV	53647	898826	100.00%	2.811%
156	10.593	10.581	10.629	VV	9241	220123	24.49%	0.688%
157	10.666	10.629	10.698	VV	7325	275000	30.60%	0.860%
158	10.737	10.698	10.785	VV	7295	348349	38.76%	1.089%
159	10.815	10.785	10.838	VV	7709	225799	25.12%	0.706%
160	10.871	10.838	10.915	VV	12454	368625	41.01%	1.153%
161	10.958	10.915	10.978	VV	6784	237095	26.38%	0.741%
162	11.010	10.978	11.024	VV	6956	175232	19.50%	0.548%
163	11.037	11.024	11.066	VV	6687	161841	18.01%	0.506%
164	11.088	11.066	11.107	VV	6468	155854	17.34%	0.487%
165	11.124	11.107	11.154	VV	6968	186364	20.73%	0.583%
166	11.175	11.154	11.191	VV	7389	152572	16.97%	0.477%
167	11.201	11.191	11.220	VV	6841	112080	12.47%	0.351%
168	11.270	11.220	11.306	VV	29827	647160	72.00%	2.024%
169	11.332	11.306	11.359	VV	6373	188037	20.92%	0.588%
170	11.378	11.359	11.396	VV	5920	120797	13.44%	0.378%
171	11.449	11.396	11.475	VV	7242	286082	31.83%	0.895%
172	11.480	11.475	11.521	VV	6357	151607	16.87%	0.474%
173	11.547	11.521	11.563	VV	5828	133203	14.82%	0.417%
174	11.578	11.563	11.604	VV	5656	128688	14.32%	0.402%
175	11.621	11.604	11.638	VV	5348	104360	11.61%	0.326%
176	11.674	11.638	11.712	VV	5624	237159	26.39%	0.742%
177	11.734	11.712	11.766	VV	5950	176846	19.68%	0.553%
178	11.785	11.766	11.800	VV	5573	105395	11.73%	0.330%
179	11.828	11.800	11.899	VV	11037	377803	42.03%	1.182%
180	11.923	11.899	11.936	VV	4859	101744	11.32%	0.318%
181	11.960	11.936	12.025	VV	5706	253936	28.25%	0.794%
182	12.051	12.025	12.098	VV	4851	190103	21.15%	0.595%
183	12.119	12.098	12.138	VV	4173	96557	10.74%	0.302%
184	12.150	12.138	12.185	VV	4200	107341	11.94%	0.336%
185	12.202	12.185	12.221	VV	3847	81057	9.02%	0.253%
186	12.236	12.221	12.281	VV	3732	129047	14.36%	0.404%
187	12.292	12.281	12.317	VV	3547	73239	8.15%	0.229%
188	12.357	12.317	12.384	VV	3891	147283	16.39%	0.461%
189	12.409	12.384	12.439	VV	4999	134864	15.00%	0.422%
190	12.447	12.439	12.467	VV	3396	54741	6.09%	0.171%
191	12.489	12.467	12.515	VV	4515	103652	11.53%	0.324%
192	12.526	12.515	12.561	VV	3105	81219	9.04%	0.254%
193	12.586	12.561	12.616	VV	3208	99248	11.04%	0.310%
194	12.631	12.616	12.669	VV	3376	90568	10.08%	0.283%

rteres

195	12.683	12.669	12.700	VV	2517	44558	4.96%	0.139%
196	12.711	12.700	12.733	VV	2393	44766	4.98%	0.140%
197	12.759	12.733	12.789	VV	2565	78196	8.70%	0.245%
198	12.813	12.789	12.847	VV	2522	79570	8.85%	0.249%
199	12.854	12.847	12.886	VV	2192	47262	5.26%	0.148%
200	12.931	12.886	12.958	VV	4628	121314	13.50%	0.379%
201	12.983	12.958	13.016	VV	3927	103304	11.49%	0.323%
202	13.025	13.016	13.085	VV	2227	79183	8.81%	0.248%
203	13.145	13.085	13.178	VV	1794	91186	10.15%	0.285%
204	13.200	13.178	13.242	VV	1680	57900	6.44%	0.181%
205	13.260	13.242	13.288	VV	1412	36936	4.11%	0.116%
206	13.323	13.288	13.348	VV	2131	57602	6.41%	0.180%
207	13.367	13.348	13.389	VV	1419	32362	3.60%	0.101%
208	13.413	13.389	13.458	VV	1419	50220	5.59%	0.157%
209	13.478	13.458	13.493	VV	1112	21799	2.43%	0.068%
210	13.516	13.493	13.563	VV	1328	49504	5.51%	0.155%
211	13.597	13.563	13.651	VV	1503	54752	6.09%	0.171%
212	13.674	13.651	13.718	VV	996	31258	3.48%	0.098%
213	13.728	13.718	13.738	VV	730	7949	0.88%	0.025%
214	13.762	13.738	13.785	VV	818	19239	2.14%	0.060%
215	13.826	13.785	13.871	VV	862	30620	3.41%	0.096%
216	13.918	13.871	13.958	VV	1315	38697	4.31%	0.121%
217	13.981	13.958	14.022	VV	674	19493	2.17%	0.061%
218	14.073	14.022	14.148	VV	673	33321	3.71%	0.104%
219	14.185	14.148	14.221	VV	611	15691	1.75%	0.049%
220	14.241	14.221	14.283	VV	232	6305	0.70%	0.020%
221	14.370	14.283	14.400	VV	668	24444	2.72%	0.076%
222	14.410	14.400	14.429	VV	268	3810	0.42%	0.012%
223	14.485	14.429	14.504	VV	496	11621	1.29%	0.036%
224	14.521	14.504	14.558	VV	427	9651	1.07%	0.030%
225	14.564	14.558	14.581	VV	176	2115	0.24%	0.007%
226	14.628	14.581	14.649	VV	347	9391	1.04%	0.029%
227	14.681	14.649	14.727	VV	418	11869	1.32%	0.037%
228	14.797	14.727	14.832	VV	490	18019	2.00%	0.056%
229	14.850	14.832	14.886	VV	436	10301	1.15%	0.032%
230	14.926	14.886	14.966	VV	421	13690	1.52%	0.043%
231	14.982	14.966	15.000	VV	256	4314	0.48%	0.013%
232	15.032	15.000	15.068	VV	442	12553	1.40%	0.039%
233	15.076	15.068	15.085	VV	302	2971	0.33%	0.009%
234	15.109	15.085	15.125	VV	346	6588	0.73%	0.021%
235	15.141	15.125	15.177	VV	252	5331	0.59%	0.017%
236	15.213	15.177	15.271	VV	431	14107	1.57%	0.044%
237	15.329	15.271	15.411	VV	516	22120	2.46%	0.069%
238	15.427	15.411	15.465	PV	264	3861	0.43%	0.012%
239	15.471	15.465	15.497	PV	79	969	0.11%	0.003%
240	15.514	15.497	15.530	VV	146	2413	0.27%	0.008%
241	15.612	15.530	15.662	VV	603	19678	2.19%	0.062%
242	15.671	15.662	15.740	VV	219	5779	0.64%	0.018%
243	15.836	15.740	15.880	VV	424	20315	2.26%	0.064%
244	15.890	15.880	15.931	VV	234	4536	0.50%	0.014%
245	15.956	15.931	15.965	VV	324	4937	0.55%	0.015%
246	15.987	15.965	16.033	VV	508	14517	1.62%	0.045%

rteres

247	16.058	16.033	16.068	VV	355	5272	0.59%	0.016%
248	16.122	16.068	16.178	VV	611	22962	2.55%	0.072%
249	16.184	16.178	16.211	VV	277	2387	0.27%	0.007%
250	16.237	16.211	16.258	PV	307	5172	0.58%	0.016%
251	16.280	16.258	16.311	VV	264	5855	0.65%	0.018%
252	16.325	16.311	16.345	VV	207	2751	0.31%	0.009%
253	16.364	16.345	16.397	PV	209	3706	0.41%	0.012%
254	16.439	16.397	16.452	VV	243	5069	0.56%	0.016%
255	16.512	16.452	16.569	VV	488	20080	2.23%	0.063%
256	16.614	16.569	16.645	VV	413	10525	1.17%	0.033%
257	16.659	16.645	16.698	VV	295	6198	0.69%	0.019%
258	16.762	16.698	16.823	VV	790	29370	3.27%	0.092%
259	16.835	16.823	16.851	VV	329	3818	0.42%	0.012%
260	16.872	16.851	16.896	VV	290	6221	0.69%	0.019%
261	16.982	16.896	17.024	VV	966	30657	3.41%	0.096%
262	17.033	17.024	17.037	VV	277	1670	0.19%	0.005%
263	17.067	17.037	17.091	VV	497	11535	1.28%	0.036%
264	17.158	17.091	17.180	VV	658	22960	2.55%	0.072%
265	17.202	17.180	17.251	VV	771	18078	2.01%	0.057%
266	17.262	17.251	17.276	VV	266	3308	0.37%	0.010%
267	17.312	17.276	17.367	VV	676	21994	2.45%	0.069%
268	17.389	17.367	17.445	VV	402	9791	1.09%	0.031%
269	17.479	17.445	17.510	VV	331	7913	0.88%	0.025%
270	17.570	17.510	17.588	VV	450	17188	1.91%	0.054%
271	17.634	17.588	17.657	VV	1245	27988	3.11%	0.088%
272	17.674	17.657	17.709	VV	558	12634	1.41%	0.040%
273	17.771	17.709	17.845	VV	1494	46414	5.16%	0.145%
274	17.866	17.845	17.893	VV	229	4141	0.46%	0.013%
275	17.920	17.893	17.946	VV	345	7441	0.83%	0.023%
276	17.971	17.946	17.988	VV	438	7759	0.86%	0.024%
277	18.018	17.988	18.032	VV	347	7507	0.84%	0.023%
278	18.059	18.032	18.091	VV	952	16377	1.82%	0.051%
279	18.136	18.091	18.176	VV	1720	32201	3.58%	0.101%
280	18.212	18.176	18.234	VV	246	5413	0.60%	0.017%
281	18.251	18.234	18.260	PV	238	2154	0.24%	0.007%
282	18.295	18.260	18.309	VV	396	7428	0.83%	0.023%
283	18.357	18.309	18.378	VV	408	13721	1.53%	0.043%
284	18.422	18.378	18.430	VV	358	8270	0.92%	0.026%
285	18.468	18.430	18.511	VV	1396	29155	3.24%	0.091%
286	18.521	18.511	18.531	VV	312	2344	0.26%	0.007%
287	18.558	18.531	18.579	VV	721	12295	1.37%	0.038%
288	18.611	18.579	18.635	VV	604	13721	1.53%	0.043%
289	18.727	18.635	18.755	VV	511	25820	2.87%	0.081%
290	18.763	18.755	18.796	VV	353	5683	0.63%	0.018%
291	18.805	18.796	18.814	VV	231	1968	0.22%	0.006%
292	18.867	18.814	18.911	VV	1290	36205	4.03%	0.113%
293	18.962	18.911	18.998	VV	916	35255	3.92%	0.110%
294	19.041	18.998	19.055	VV	942	27460	3.06%	0.086%
295	19.063	19.055	19.101	VV	910	17594	1.96%	0.055%
296	19.112	19.101	19.138	VV	472	9230	1.03%	0.029%
297	19.186	19.138	19.211	VV	598	19833	2.21%	0.062%
298	19.254	19.211	19.336	VV	1892	67442	7.50%	0.211%
299	19.363	19.336	19.387	VV	741	14729	1.64%	0.046%

rteres

300	19.398	19.387	19.406	VV	408	3622	0.40%	0.011%
301	19.564	19.406	19.595	VV	1579	128444	14.29%	0.402%
302	19.624	19.595	19.656	VV	1864	55947	6.22%	0.175%
303	19.676	19.656	19.693	VV	1677	34581	3.85%	0.108%
304	19.775	19.693	19.797	VV	2016	113105	12.58%	0.354%
305	19.836	19.797	19.848	VV	1939	57027	6.34%	0.178%
306	19.891	19.848	19.917	VV	1982	75976	8.45%	0.238%
307	19.997	19.917	20.016	VV	3032	143515	15.97%	0.449%
308	20.040	20.016	20.071	VV	3165	92046	10.24%	0.288%
309	20.089	20.071	20.108	VV	2847	59600	6.63%	0.186%
310	20.119	20.108	20.131	VV	2825	36735	4.09%	0.115%
311	20.142	20.131	20.158	VV	2765	43766	4.87%	0.137%
312	20.166	20.158	20.178	VV	2659	32024	3.56%	0.100%
313	20.289	20.178	20.316	VV	3833	278542	30.99%	0.871%
314	20.338	20.316	20.398	VV	4049	172983	19.25%	0.541%
315	20.525	20.398	20.619	VV	4120	475265	52.88%	1.486%
316	20.709	20.619	20.781	VV	3611	310324	34.53%	0.970%
317	20.799	20.781	20.834	VV	2996	91389	10.17%	0.286%
318	20.848	20.834	20.920	VV	2895	136725	15.21%	0.428%
319	20.939	20.920	20.958	VV	2495	54020	6.01%	0.169%
320	21.014	20.958	21.041	VV	2850	133442	14.85%	0.417%
321	21.051	21.041	21.065	VV	2742	37860	4.21%	0.118%
322	21.068	21.065	21.101	VV	2701	56501	6.29%	0.177%

Sum of corrected areas: 31976091

Aliphatic EPH 102324.M Wed Oct 30 05:40:57 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-04DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048616.D	20	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	37.0		7.46	16.6	mg/kg
Aromatic C12-C16	Aromatic C12-C16	254		8.46	24.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	670		23.9	41.5	mg/kg
Aromatic C21-C36	Aromatic C21-C36	77.6		49.7	66.3	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	4.10		40 - 140	164%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.92		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.27		40 - 140	91%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-04DL2	Acq On:	29 Oct 2024 10:08
Client Sample ID:	EX-5-TPH-4DL2	Operator:	YP/AJ
Data file:	FD048616.D	Misc:	
Instrument:	FID_D	ALS Vial:	77
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	3928545	22.296	200	ug/ml
Aromatic C12-C16	5.813	8.417	27203162	153.453	300	ug/ml
Aromatic C16-C21	8.418	12.677	66220264	404.195	500	ug/ml
Aromatic C21-C36	12.678	18.081	7148958	46.813	800	ug/ml
Aromatic EPH	4.094	18.081	104500929	626.756		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	622156	4.1		ug/ml
2-Flurobiphenyl (SURR)	8.224	8.224	286672	2.92		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	386544	2.27		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048616.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 10:08
Operator : YP/AJ
Sample : P4518-04DL2 20X
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:39:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.372	622156	4.099 ug/mlm
Spiked Amount 50.000		Recovery =	8.20%
6) S 2-Flurobiphenyl (SURR)	8.224	286672	2.920 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	5.84%
11) S ortho-Terphenyl (SURR)	11.253	386544	2.269 ug/mlm
Spiked Amount 50.000		Recovery =	4.54%
Target Compounds			

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

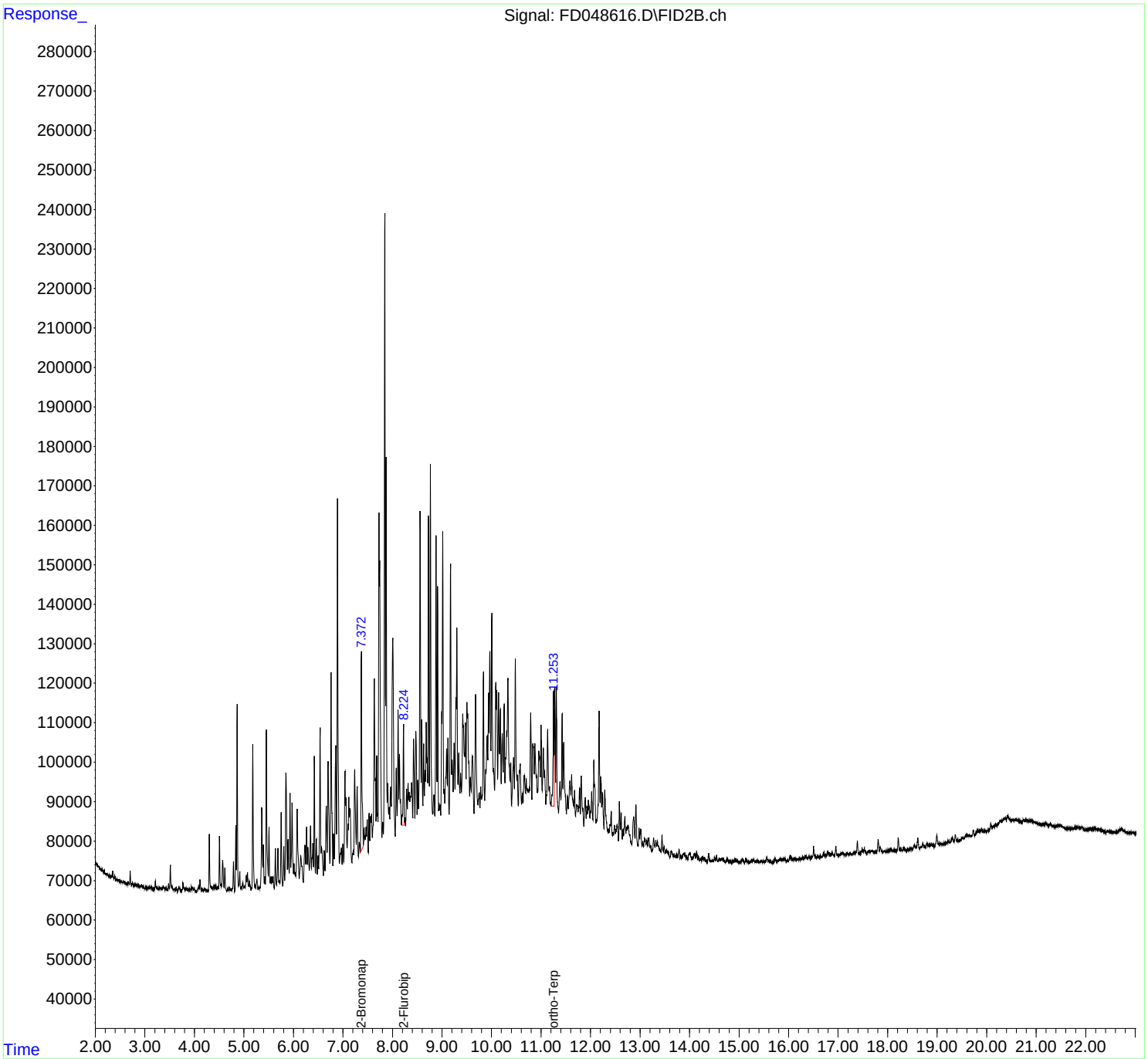
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048616.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 10:08
Operator : YP/AJ
Sample : P4518-04DL2 20X
Misc :
ALS Vial : 77 Sample Multiplier: 1

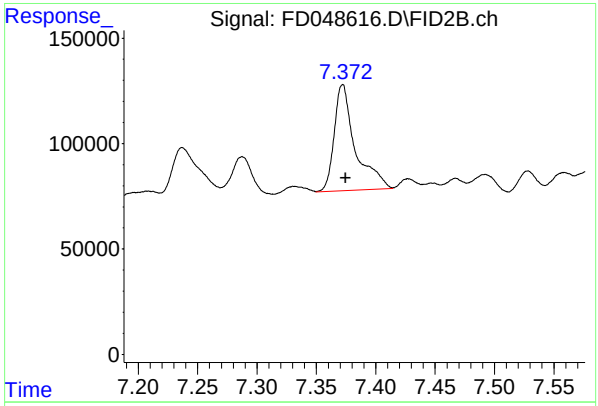
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:39:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





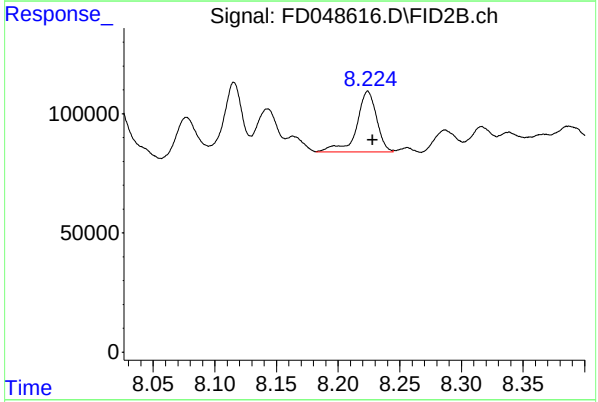
#4 2-Bromonaphthalene (SURR)

R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 622156
Conc: 4.10 ug/ml

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

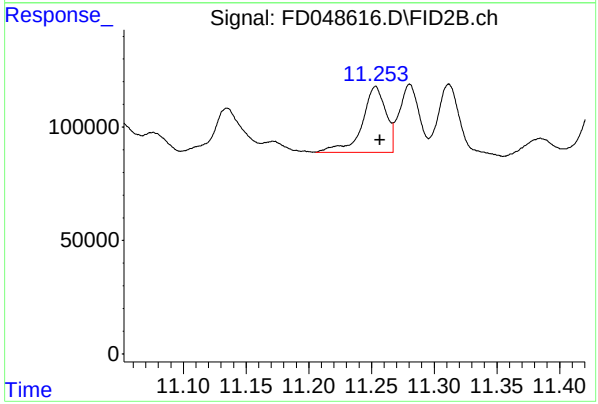
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.004 min
Response: 286672
Conc: 2.92 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.253 min
Delta R.T.: -0.003 min
Response: 386544
Conc: 2.27 ug/ml m

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048616.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 10:08
Sample : P4518-04DL2 20X
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.086	4.042	4.098	BV	1557	24836	1.25%	0.023%
2	4.113	4.098	4.141	VV	3006	35779	1.80%	0.033%
3	4.145	4.141	4.157	VV	537	4205	0.21%	0.004%
4	4.167	4.157	4.185	VV	532	5606	0.28%	0.005%
5	4.201	4.185	4.211	VV	742	7630	0.38%	0.007%
6	4.225	4.211	4.264	VV	703	11651	0.59%	0.011%
7	4.301	4.264	4.339	VV	14520	154079	7.75%	0.144%
8	4.348	4.339	4.373	VV	1217	18915	0.95%	0.018%
9	4.389	4.373	4.401	VV	1463	16512	0.83%	0.015%
10	4.413	4.401	4.424	VV	1642	16072	0.81%	0.015%
11	4.435	4.424	4.450	VV	1698	18049	0.91%	0.017%
12	4.464	4.450	4.474	VV	1118	12214	0.61%	0.011%
13	4.482	4.474	4.490	VV	981	8815	0.44%	0.008%
14	4.507	4.490	4.545	VV	14045	151983	7.65%	0.142%
15	4.571	4.545	4.600	VV	7930	125400	6.31%	0.117%
16	4.616	4.600	4.649	VV	5974	65599	3.30%	0.061%
17	4.675	4.649	4.697	VV	710	12216	0.61%	0.011%
18	4.708	4.697	4.722	VV	1037	9923	0.50%	0.009%
19	4.734	4.722	4.752	VV	781	8286	0.42%	0.008%
20	4.790	4.752	4.816	VV	7590	79738	4.01%	0.074%
21	4.837	4.816	4.848	PV	16670	146485	7.37%	0.137%
22	4.863	4.848	4.900	VV	47323	469792	23.63%	0.438%
23	4.916	4.900	4.932	VV	4995	52541	2.64%	0.049%
24	4.948	4.932	4.962	VV	1025	15314	0.77%	0.014%
25	4.979	4.962	4.994	VV	2184	27995	1.41%	0.026%
26	5.005	4.994	5.014	VV	1036	10960	0.55%	0.010%
27	5.046	5.014	5.060	VV	3891	57081	2.87%	0.053%
28	5.073	5.060	5.089	VV	4607	50463	2.54%	0.047%
29	5.112	5.089	5.143	VV	2423	42389	2.13%	0.040%
30	5.154	5.143	5.159	VV	770	4607	0.23%	0.004%
31	5.179	5.159	5.238	VV	37011	411644	20.71%	0.384%
32	5.263	5.238	5.284	VV	2722	43496	2.19%	0.041%
33	5.303	5.284	5.319	VV	791	11179	0.56%	0.010%
34	5.362	5.319	5.382	VV	20914	290466	14.61%	0.271%
35	5.393	5.382	5.410	VV	11414	115362	5.80%	0.108%
36	5.422	5.410	5.435	VV	3313	36300	1.83%	0.034%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.453	5.435	5.494	VV	40585	502682	25.29%	0.469%
38	5.507	5.494	5.533	VV	15759	163407	8	
39	5.545	5.533	5.556	VV	3257	32918	1	
40	5.567	5.556	5.579	VV	3372	33546	1	
41	5.590	5.579	5.615	VV	3101	35059	1	
42	5.636	5.615	5.660	VV	10325	109457	5	
43	5.688	5.660	5.704	VV	10357	129077	6.49%	0.120%
44	5.713	5.704	5.727	VV	2234	26435	1.33%	0.025%
45	5.753	5.727	5.784	VV	19358	228427	11.49%	0.213%
46	5.806	5.784	5.825	VV	10718	118791	5.98%	0.111%
47	5.849	5.825	5.878	VV	29314	485038	24.40%	0.452%
48	5.891	5.878	5.915	VV	12515	168934	8.50%	0.158%
49	5.932	5.915	5.948	VV	24116	252710	12.71%	0.236%
50	5.974	5.948	6.001	VV	21614	332099	16.71%	0.310%
51	6.014	6.001	6.025	VV	6267	72064	3.63%	0.067%
52	6.034	6.025	6.047	VV	4011	47612	2.40%	0.044%
53	6.076	6.047	6.119	VV	20020	388856	19.56%	0.363%
54	6.148	6.119	6.201	VV	8275	243158	12.23%	0.227%
55	6.233	6.201	6.248	VV	10793	200233	10.07%	0.187%
56	6.266	6.248	6.282	VV	15357	215456	10.84%	0.201%
57	6.294	6.282	6.324	VV	10204	184734	9.29%	0.172%
58	6.346	6.324	6.364	VV	15570	234891	11.82%	0.219%
59	6.393	6.364	6.407	VV	11081	204961	10.31%	0.191%
60	6.423	6.407	6.445	VV	33251	351212	17.67%	0.327%
61	6.463	6.445	6.482	VV	12171	160647	8.08%	0.150%
62	6.499	6.482	6.511	VV	7901	98670	4.96%	0.092%
63	6.539	6.511	6.556	VV	40184	502527	25.28%	0.469%
64	6.564	6.556	6.606	VV	10137	224696	11.30%	0.210%
65	6.623	6.606	6.639	VV	9172	121177	6.10%	0.113%
66	6.663	6.639	6.683	VV	20375	331573	16.68%	0.309%
67	6.700	6.683	6.737	VV	31700	586237	29.49%	0.547%
68	6.761	6.737	6.797	VV	54181	832467	41.88%	0.776%
69	6.811	6.797	6.826	VV	13269	160812	8.09%	0.150%
70	6.854	6.826	6.871	VV	35561	574174	28.88%	0.535%
71	6.891	6.871	6.930	VV	98080	1318045	66.31%	1.229%
72	6.968	6.930	6.983	VV	9556	246450	12.40%	0.230%
73	6.999	6.983	7.017	VV	10629	165600	8.33%	0.154%
74	7.042	7.017	7.053	VV	29048	391731	19.71%	0.365%
75	7.061	7.053	7.085	VV	22213	314430	15.82%	0.293%
76	7.101	7.085	7.107	VV	15541	170454	8.57%	0.159%
77	7.119	7.107	7.130	VV	22418	263999	13.28%	0.246%
78	7.141	7.130	7.184	VV	19426	418979	21.08%	0.391%
79	7.208	7.184	7.218	VV	8613	161222	8.11%	0.150%
80	7.237	7.218	7.270	VV	29275	561748	28.26%	0.524%
81	7.288	7.270	7.315	VV	24859	404340	20.34%	0.377%
82	7.332	7.315	7.350	VV	10730	197133	9.92%	0.184%
83	7.372	7.350	7.415	VV	59069	970884	48.84%	0.905%
84	7.427	7.415	7.440	VV	14347	192742	9.70%	0.180%
85	7.448	7.440	7.455	VV	12276	104706	5.27%	0.098%
86	7.467	7.455	7.477	VV	14573	173681	8.74%	0.162%
87	7.492	7.477	7.512	VV	16342	272768	13.72%	0.254%
88	7.528	7.512	7.543	VV	18032	251546	12.65%	0.235%
89	7.559	7.543	7.567	VV	17188	226956	11.42%	0.212%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

rteres

90	7.578	7.567	7.594	VV	17838	247095	12.43%	0.230%
91	7.634	7.594	7.670	VV	52037	1190258	59	
92	7.683	7.670	7.698	VV	32517	397676	20	
93	7.702	7.698	7.710	VV	17788	123173	6	
94	7.729	7.710	7.737	VV	93856	995777	50	
95	7.743	7.737	7.788	VV	81941	1251926	62	
96	7.805	7.788	7.817	VV	15575	240352	12.09%	0.224%
97	7.846	7.817	7.861	VV	169345	1987800	100.00%	1.854%
98	7.873	7.861	7.894	VV	108367	1248862	62.83%	1.165%
99	7.906	7.894	7.924	VV	25333	386832	19.46%	0.361%
100	7.936	7.924	7.946	VV	19232	243081	12.23%	0.227%
101	7.961	7.946	7.978	VV	24169	402910	20.27%	0.376%
102	8.007	7.978	8.056	VV	62046	1640527	82.53%	1.530%
103	8.077	8.056	8.095	VV	29131	487234	24.51%	0.454%
104	8.116	8.095	8.129	VV	43851	589141	29.64%	0.549%
105	8.143	8.129	8.158	VV	32648	455346	22.91%	0.425%
106	8.164	8.158	8.182	VV	21138	273842	13.78%	0.255%
107	8.197	8.182	8.203	VV	17089	198114	9.97%	0.185%
108	8.224	8.203	8.246	VV	40003	645873	32.49%	0.602%
109	8.256	8.246	8.267	VV	16272	192414	9.68%	0.179%
110	8.287	8.267	8.302	VV	23653	411901	20.72%	0.384%
111	8.316	8.302	8.329	VV	25103	362532	18.24%	0.338%
112	8.338	8.329	8.352	VV	22725	298382	15.01%	0.278%
113	8.368	8.352	8.372	VV	21845	252289	12.69%	0.235%
114	8.387	8.372	8.410	VV	25145	514230	25.87%	0.480%
115	8.427	8.410	8.455	VV	36244	690158	34.72%	0.644%
116	8.474	8.455	8.499	VV	38189	747245	37.59%	0.697%
117	8.512	8.499	8.526	VV	25658	356990	17.96%	0.333%
118	8.559	8.526	8.580	VV	93887	1509877	75.96%	1.408%
119	8.593	8.580	8.615	VV	40983	634667	31.93%	0.592%
120	8.632	8.615	8.646	VV	34910	500595	25.18%	0.467%
121	8.661	8.646	8.669	VV	28192	360190	18.12%	0.336%
122	8.683	8.669	8.696	VV	40325	527568	26.54%	0.492%
123	8.702	8.696	8.712	VV	31223	282575	14.22%	0.263%
124	8.728	8.712	8.746	VV	92584	1097137	55.19%	1.023%
125	8.768	8.746	8.812	VV	105071	1719137	86.48%	1.603%
126	8.839	8.812	8.856	VV	21828	511617	25.74%	0.477%
127	8.882	8.856	8.899	VV	87458	1181721	59.45%	1.102%
128	8.914	8.899	8.934	VV	74410	909101	45.73%	0.848%
129	8.943	8.934	8.954	VV	19552	226520	11.40%	0.211%
130	8.964	8.954	8.977	VV	19026	250707	12.61%	0.234%
131	8.996	8.977	9.001	VV	42815	465192	23.40%	0.434%
132	9.017	9.001	9.038	VV	88362	1173619	59.04%	1.094%
133	9.044	9.038	9.058	VV	23063	261578	13.16%	0.244%
134	9.096	9.058	9.107	VV	33346	790635	39.77%	0.737%
135	9.122	9.107	9.146	VV	36029	618406	31.11%	0.577%
136	9.174	9.146	9.196	VV	80070	1277270	64.26%	1.191%
137	9.208	9.196	9.227	VV	30442	516662	25.99%	0.482%
138	9.247	9.227	9.264	VV	34640	632713	31.83%	0.590%
139	9.283	9.264	9.289	VV	45936	547670	27.55%	0.511%
140	9.303	9.289	9.323	VV	63899	930811	46.83%	0.868%
141	9.340	9.323	9.365	VV	32126	666695	33.54%	0.622%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

142	9.378	9.365	9.397	VV	26866	462008	23.24%	0.431%
143	9.421	9.397	9.450	VV	41863	1094232	55	
144	9.455	9.450	9.461	VV	32109	202054	10	
145	9.473	9.461	9.488	VV	39557	539716	27	
146	9.505	9.488	9.516	VV	44694	654401	32	
147	9.522	9.516	9.560	VV	41878	844085	42	
148	9.574	9.560	9.592	VV	25810	444675	22.37%	0.415%
149	9.615	9.592	9.647	VV	31008	861093	43.32%	0.803%
150	9.680	9.647	9.725	VV	46644	1284205	64.60%	1.197%
151	9.753	9.725	9.770	VV	21697	533651	26.85%	0.498%
152	9.783	9.770	9.797	VV	23206	344749	17.34%	0.321%
153	9.838	9.797	9.864	VV	52402	1156018	58.16%	1.078%
154	9.884	9.864	9.891	VV	27465	399414	20.09%	0.372%
155	9.912	9.891	9.927	VV	35944	679252	34.17%	0.633%
156	9.942	9.927	9.952	VV	46807	597746	30.07%	0.557%
157	9.968	9.952	9.989	VV	57367	1012909	50.96%	0.945%
158	10.007	9.989	10.038	VV	67082	1251992	62.98%	1.167%
159	10.044	10.038	10.064	VV	27670	397570	20.00%	0.371%
160	10.087	10.064	10.099	VV	49396	789292	39.71%	0.736%
161	10.107	10.099	10.126	VV	47440	640932	32.24%	0.598%
162	10.145	10.126	10.164	VV	46871	827544	41.63%	0.772%
163	10.181	10.164	10.197	VV	42658	683356	34.38%	0.637%
164	10.219	10.197	10.238	VV	36170	762355	38.35%	0.711%
165	10.257	10.238	10.273	VV	43894	702453	35.34%	0.655%
166	10.308	10.273	10.314	VV	37092	764683	38.47%	0.713%
167	10.334	10.314	10.375	VV	50283	1335468	67.18%	1.245%
168	10.389	10.375	10.406	VV	28824	445290	22.40%	0.415%
169	10.448	10.406	10.464	VV	30288	871309	43.83%	0.812%
170	10.483	10.464	10.513	VV	55239	1047868	52.71%	0.977%
171	10.523	10.513	10.542	VV	25697	387114	19.47%	0.361%
172	10.565	10.542	10.570	VV	26774	399322	20.09%	0.372%
173	10.581	10.570	10.608	VV	28437	549844	27.66%	0.513%
174	10.624	10.608	10.635	VV	20846	316938	15.94%	0.296%
175	10.662	10.635	10.690	VV	25462	751491	37.81%	0.701%
176	10.703	10.690	10.723	VV	24625	442229	22.25%	0.412%
177	10.727	10.723	10.731	VV	22105	107684	5.42%	0.100%
178	10.733	10.731	10.754	VV	21881	291477	14.66%	0.272%
179	10.793	10.754	10.817	VV	40831	1058829	53.27%	0.987%
180	10.834	10.817	10.863	VV	33343	800149	40.25%	0.746%
181	10.878	10.863	10.925	VV	33506	1023172	51.47%	0.954%
182	10.933	10.925	10.938	VV	21734	167937	8.45%	0.157%
183	10.957	10.938	10.988	VV	31469	839710	42.24%	0.783%
184	11.003	10.988	11.025	VV	38087	643398	32.37%	0.600%
185	11.047	11.025	11.067	VV	31964	692017	34.81%	0.645%
186	11.076	11.067	11.098	VV	26198	429799	21.62%	0.401%
187	11.135	11.098	11.162	VV	36897	977470	49.17%	0.911%
188	11.172	11.162	11.204	VV	22328	502142	25.26%	0.468%
189	11.253	11.204	11.267	VV	46543	1036821	52.16%	0.967%
190	11.280	11.267	11.296	VV	47392	628925	31.64%	0.586%
191	11.312	11.296	11.355	VV	47453	949200	47.75%	0.885%
192	11.385	11.355	11.404	VV	23473	577956	29.08%	0.539%
193	11.428	11.404	11.444	VV	40407	691509	34.79%	0.645%
194	11.460	11.444	11.515	VV	33375	967204	48.66%	0.902%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

195	11.535	11.515	11.550	VV	19641	377299	18.98%	0.352%
196	11.586	11.550	11.604	VV	23600	659111	33	
197	11.620	11.604	11.663	VV	25063	714851	35	
198	11.680	11.663	11.697	VV	21127	371844	18	
199	11.722	11.697	11.752	VV	17381	541310	27	
200	11.780	11.752	11.794	VV	21539	457511	23	
201	11.814	11.794	11.839	VV	24635	537347	27.03%	0.501%
202	11.845	11.839	11.865	VV	16394	229427	11.54%	0.214%
203	11.895	11.865	11.915	VV	19193	468098	23.55%	0.436%
204	11.930	11.915	11.941	VV	16881	239388	12.04%	0.223%
205	11.955	11.941	11.989	VV	18292	469107	23.60%	0.437%
206	12.024	11.989	12.048	VV	20534	579799	29.17%	0.541%
207	12.068	12.048	12.081	VV	28437	427386	21.50%	0.399%
208	12.085	12.081	12.111	VV	22229	317977	16.00%	0.297%
209	12.125	12.111	12.131	VV	13410	152402	7.67%	0.142%
210	12.175	12.131	12.194	VV	40810	866408	43.59%	0.808%
211	12.211	12.194	12.228	VV	24070	409312	20.59%	0.382%
212	12.241	12.228	12.271	VV	20091	420796	21.17%	0.392%
213	12.290	12.271	12.358	VV	20728	716636	36.05%	0.668%
214	12.395	12.358	12.402	VV	11941	286812	14.43%	0.267%
215	12.418	12.402	12.443	VV	15269	300422	15.11%	0.280%
216	12.454	12.443	12.465	VV	9934	125454	6.31%	0.117%
217	12.486	12.465	12.505	VV	11589	250740	12.61%	0.234%
218	12.536	12.505	12.565	VV	11771	370591	18.64%	0.346%
219	12.584	12.565	12.605	VV	17705	314209	15.81%	0.293%
220	12.621	12.605	12.640	VV	14691	239992	12.07%	0.224%
221	12.657	12.640	12.669	VV	10478	163143	8.21%	0.152%
222	12.695	12.669	12.713	VV	13716	301327	15.16%	0.281%
223	12.738	12.713	12.749	VV	10942	228589	11.50%	0.213%
224	12.760	12.749	12.788	VV	11472	246685	12.41%	0.230%
225	12.794	12.788	12.820	VV	9106	153838	7.74%	0.143%
226	12.869	12.820	12.899	VV	13539	457644	23.02%	0.427%
227	12.919	12.899	12.959	VV	16584	371286	18.68%	0.346%
228	12.982	12.959	12.996	VV	10637	186150	9.36%	0.174%
229	13.014	12.996	13.043	VV	10269	239587	12.05%	0.223%
230	13.056	13.043	13.074	VV	7300	120199	6.05%	0.112%
231	13.093	13.074	13.120	VV	7890	199109	10.02%	0.186%
232	13.136	13.120	13.155	VV	7420	138479	6.97%	0.129%
233	13.175	13.155	13.200	VV	8019	190385	9.58%	0.178%
234	13.208	13.200	13.237	VV	6020	122999	6.19%	0.115%
235	13.246	13.237	13.254	VV	4917	46662	2.35%	0.044%
236	13.275	13.254	13.304	VV	7869	193360	9.73%	0.180%
237	13.319	13.304	13.337	VV	7146	130571	6.57%	0.122%
238	13.351	13.337	13.368	VV	7076	120192	6.05%	0.112%
239	13.374	13.368	13.399	VV	5920	96935	4.88%	0.090%
240	13.404	13.399	13.417	VV	4904	51228	2.58%	0.048%
241	13.444	13.417	13.470	VV	8469	187033	9.41%	0.174%
242	13.486	13.470	13.507	VV	5692	109929	5.53%	0.103%
243	13.513	13.507	13.515	VV	4126	19901	1.00%	0.019%
244	13.525	13.515	13.532	VV	4686	44331	2.23%	0.041%
245	13.534	13.532	13.552	VV	4492	50616	2.55%	0.047%
246	13.555	13.552	13.565	VV	4120	31905	1.61%	0.030%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.571	13.565	13.607	VV	4181	88198	4.44%	0.082%
248	13.627	13.607	13.665	VV	4430	129501	6	
249	13.676	13.665	13.699	VV	3441	66362	3	
250	13.704	13.699	13.720	VV	3224	38165	1	
251	13.734	13.720	13.750	VV	3537	56001	2	
252	13.788	13.750	13.817	VV	4727	137727	6	
253	13.839	13.817	13.851	VV	2954	55552	2.79%	0.052%
254	13.872	13.851	13.878	VV	3415	48870	2.46%	0.046%
255	13.884	13.878	13.890	VV	3698	25151	1.27%	0.023%
256	13.895	13.890	13.916	VV	3521	51984	2.62%	0.048%
257	13.923	13.916	13.963	VV	3066	72253	3.63%	0.067%
258	13.984	13.963	13.990	VV	3371	45329	2.28%	0.042%
259	14.007	13.990	14.052	VV	3712	107876	5.43%	0.101%
260	14.066	14.052	14.073	VV	2536	30659	1.54%	0.029%
261	14.103	14.073	14.124	VV	3497	88173	4.44%	0.082%
262	14.146	14.124	14.163	VV	3745	67550	3.40%	0.063%
263	14.181	14.163	14.208	VV	2660	57301	2.88%	0.053%
264	14.214	14.208	14.222	VV	1808	14701	0.74%	0.014%
265	14.233	14.222	14.245	VV	2199	26197	1.32%	0.024%
266	14.263	14.245	14.286	VV	2664	51925	2.61%	0.048%
267	14.305	14.286	14.326	VV	2298	44228	2.22%	0.041%
268	14.335	14.326	14.349	VV	1517	19055	0.96%	0.018%
269	14.354	14.349	14.357	VV	1311	5749	0.29%	0.005%
270	14.386	14.357	14.424	VV	3334	80031	4.03%	0.075%
271	14.444	14.424	14.454	VV	1404	23490	1.18%	0.022%
272	14.469	14.454	14.485	VV	1605	26497	1.33%	0.025%
273	14.505	14.485	14.520	VV	2260	37378	1.88%	0.035%
274	14.545	14.520	14.580	VV	2328	58839	2.96%	0.055%
275	14.605	14.580	14.625	VV	1883	41829	2.10%	0.039%
276	14.654	14.625	14.720	VV	1880	85224	4.29%	0.079%
277	14.764	14.720	14.802	VV	1767	56595	2.85%	0.053%
278	14.812	14.802	14.834	VV	953	15989	0.80%	0.015%
279	14.843	14.834	14.857	VV	1071	10520	0.53%	0.010%
280	14.880	14.857	14.894	VV	1162	19721	0.99%	0.018%
281	14.923	14.894	14.955	VV	1310	39550	1.99%	0.037%
282	14.968	14.955	15.005	VV	1377	25489	1.28%	0.024%
283	15.072	15.005	15.110	VV	1375	55367	2.79%	0.052%
284	15.135	15.110	15.190	VV	1592	43038	2.17%	0.040%
285	15.201	15.190	15.215	VV	600	8044	0.40%	0.008%
286	15.242	15.215	15.254	VV	1018	16560	0.83%	0.015%
287	15.268	15.254	15.349	VV	1051	43016	2.16%	0.040%
288	15.361	15.349	15.375	VV	879	11164	0.56%	0.010%
289	15.379	15.375	15.409	VV	771	11316	0.57%	0.011%
290	15.456	15.409	15.472	VV	768	18478	0.93%	0.017%
291	15.481	15.472	15.500	VV	528	7649	0.38%	0.007%
292	15.520	15.500	15.537	VV	595	10834	0.55%	0.010%
293	15.561	15.537	15.629	VV	1568	43019	2.16%	0.040%
294	15.637	15.629	15.690	VV	677	9284	0.47%	0.009%
295	15.729	15.690	15.762	PV	1240	26398	1.33%	0.025%
296	15.776	15.762	15.797	VV	562	9150	0.46%	0.009%
297	15.828	15.797	15.863	VV	838	26280	1.32%	0.025%
298	15.881	15.863	15.895	VV	871	12687	0.64%	0.012%
299	15.924	15.895	15.955	VV	750	19593	0.99%	0.018%

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
300	15.982	15.955	15.997	VV	276	4422	0.22%	0.004%
301	16.040	15.997	16.074	VV	1345	35070	1	
302	16.080	16.074	16.090	VV	457	3877	0	
303	16.112	16.090	16.132	VV	764	13116	0	
304	16.149	16.132	16.167	VV	541	9551	0	
305	16.174	16.167	16.194	VV	531	5967	0	
306	16.200	16.194	16.210	VV	411	3414	0.17%	0.003%
307	16.234	16.210	16.257	VV	416	10300	0.52%	0.010%
308	16.297	16.257	16.315	VV	775	18766	0.94%	0.017%
309	16.335	16.315	16.390	VV	994	30928	1.56%	0.029%
310	16.409	16.390	16.427	VV	859	13936	0.70%	0.013%
311	16.440	16.427	16.452	VV	448	6645	0.33%	0.006%
312	16.461	16.452	16.469	VV	480	4431	0.22%	0.004%
313	16.505	16.469	16.533	VV	2451	47847	2.41%	0.045%
314	16.542	16.533	16.560	VV	721	8960	0.45%	0.008%
315	16.579	16.560	16.627	VV	627	18409	0.93%	0.017%
316	16.642	16.627	16.662	VV	478	8586	0.43%	0.008%
317	16.706	16.662	16.732	VV	1395	33253	1.67%	0.031%
318	16.737	16.732	16.765	VV	806	12743	0.64%	0.012%
319	16.790	16.765	16.812	VV	1686	33027	1.66%	0.031%
320	16.821	16.812	16.850	VV	1301	21227	1.07%	0.020%
321	16.875	16.850	16.928	VV	1115	35272	1.77%	0.033%
322	16.953	16.928	16.979	VV	2860	42063	2.12%	0.039%
323	16.985	16.979	17.004	VV	658	6301	0.32%	0.006%
324	17.017	17.004	17.032	VV	734	8080	0.41%	0.008%
325	17.093	17.032	17.124	VV	987	39235	1.97%	0.037%
326	17.137	17.124	17.164	VV	627	11604	0.58%	0.011%
327	17.189	17.164	17.220	VV	805	20490	1.03%	0.019%
328	17.242	17.220	17.279	VV	738	17145	0.86%	0.016%
329	17.316	17.279	17.330	VV	758	17360	0.87%	0.016%
330	17.347	17.330	17.364	VV	999	16224	0.82%	0.015%
331	17.387	17.364	17.427	VV	3577	56301	2.83%	0.052%
332	17.439	17.427	17.464	VV	560	11165	0.56%	0.010%
333	17.485	17.464	17.507	VV	1669	27108	1.36%	0.025%
334	17.529	17.507	17.585	VV	1362	36433	1.83%	0.034%
335	17.629	17.585	17.664	VV	984	30902	1.55%	0.029%
336	17.680	17.664	17.692	VV	915	12590	0.63%	0.012%
337	17.698	17.692	17.722	VV	799	10033	0.50%	0.009%
338	17.738	17.722	17.764	VV	579	10192	0.51%	0.010%
339	17.807	17.764	17.834	VV	3483	60195	3.03%	0.056%
340	17.853	17.834	17.875	VV	1546	23922	1.20%	0.022%
341	17.887	17.875	17.905	VV	542	7015	0.35%	0.007%
342	17.939	17.905	17.971	PV	583	13894	0.70%	0.013%
343	17.980	17.971	17.990	VV	361	3198	0.16%	0.003%
344	18.016	17.990	18.027	VV	606	8258	0.42%	0.008%
345	18.065	18.027	18.087	VV	829	19027	0.96%	0.018%
346	18.093	18.087	18.102	VV	539	3242	0.16%	0.003%
347	18.115	18.102	18.130	VV	396	5011	0.25%	0.005%
348	18.143	18.130	18.160	VV	534	5613	0.28%	0.005%
349	18.175	18.160	18.187	VV	325	2786	0.14%	0.003%
350	18.215	18.187	18.242	PV	3119	44794	2.25%	0.042%

Sum of corrected areas: 107240790

rteres

Aromatic EPH 102324.M Wed Oct 30 03:23:17 2024

Instrument :
FID_D
ClientSampleId :
EX-5-TPH-4DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

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

Report of Analysis

Client:	ENTACT			Date Collected:	10/23/24
Project:	North Point			Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-5			SDG No.:	P4518
Lab Sample ID:	P4518-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	73.9
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 12:40	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	23.2		1	0.51	1.35	mg/kg	FC067539.D
Aliphatic C12-C16	Aliphatic C12-C16	201		20	6.47	18.0	mg/kg	FC067559.D
Aliphatic C16-C21	Aliphatic C16-C21	208		20	8.09	27.0	mg/kg	FC067559.D
Aliphatic C21-C28	Aliphatic C21-C28	19.1		5	5.39	8.99	mg/kg	FC067558.D
Aliphatic C28-C40	Aliphatic C28-C40	38.9		1	2.43	2.70	mg/kg	FC067539.D
Aromatic C10-C12	Aromatic C10-C12	4.94		1	0.41	0.90	mg/kg	FD048600.D
Aromatic C12-C16	Aromatic C12-C16	56.9		5	2.29	6.74	mg/kg	FD048617.D
Aromatic C16-C21	Aromatic C16-C21	178		5	6.47	11.2	mg/kg	FD048617.D
Aromatic C21-C36	Aromatic C21-C36	40.5		1	2.70	3.60	mg/kg	FD048600.D
Total AliphaticEPH	Total AliphaticEPH	490			22.9	58.0	mg/kg	
Total AromaticEPH	Total AromaticEPH	280			11.9	22.4	mg/kg	
Total EPH	Total EPH	771			34.8	80.5	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5		SDG No.:	P4518	
Lab Sample ID:	P4518-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
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
FC067539.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	23.2		0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	184	E	0.32	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	200	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	36.9	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.9		2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.2		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05	Acq On:	28 Oct 2024 12:40
Client Sample ID:	EX-5-TPH-5	Operator:	YP/AJ
Data file:	FC067539.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	34944397	257.95	300	ug/ml
Aliphatic C12-C16	6.454	9.842	270769093	2060	200	ug/ml
Aliphatic C16-C21	9.843	13.200	284358818	2230	300	ug/ml
Aliphatic C21-C28	13.201	16.853	49243402	410.053	400	ug/ml
Aliphatic C28-C40	16.854	21.695	43767348	432.941	600	ug/ml
Aliphatic EPH	3.173	21.695	683083058	5390		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	3906204	36.17		ug/ml
Aliphatic C9-C28	3.173	16.853	639315710	4960	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067539.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 12:40
Operator : YP/AJ
Sample : P4518-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: sample.E
Quant Time: Oct 29 00:05:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.935	3906204	36.172 ug/mlm
Spiked Amount 50.000		Recovery = 72.34%	
Target Compounds			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067539.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 12:40
Operator : YP/AJ
Sample : P4518-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

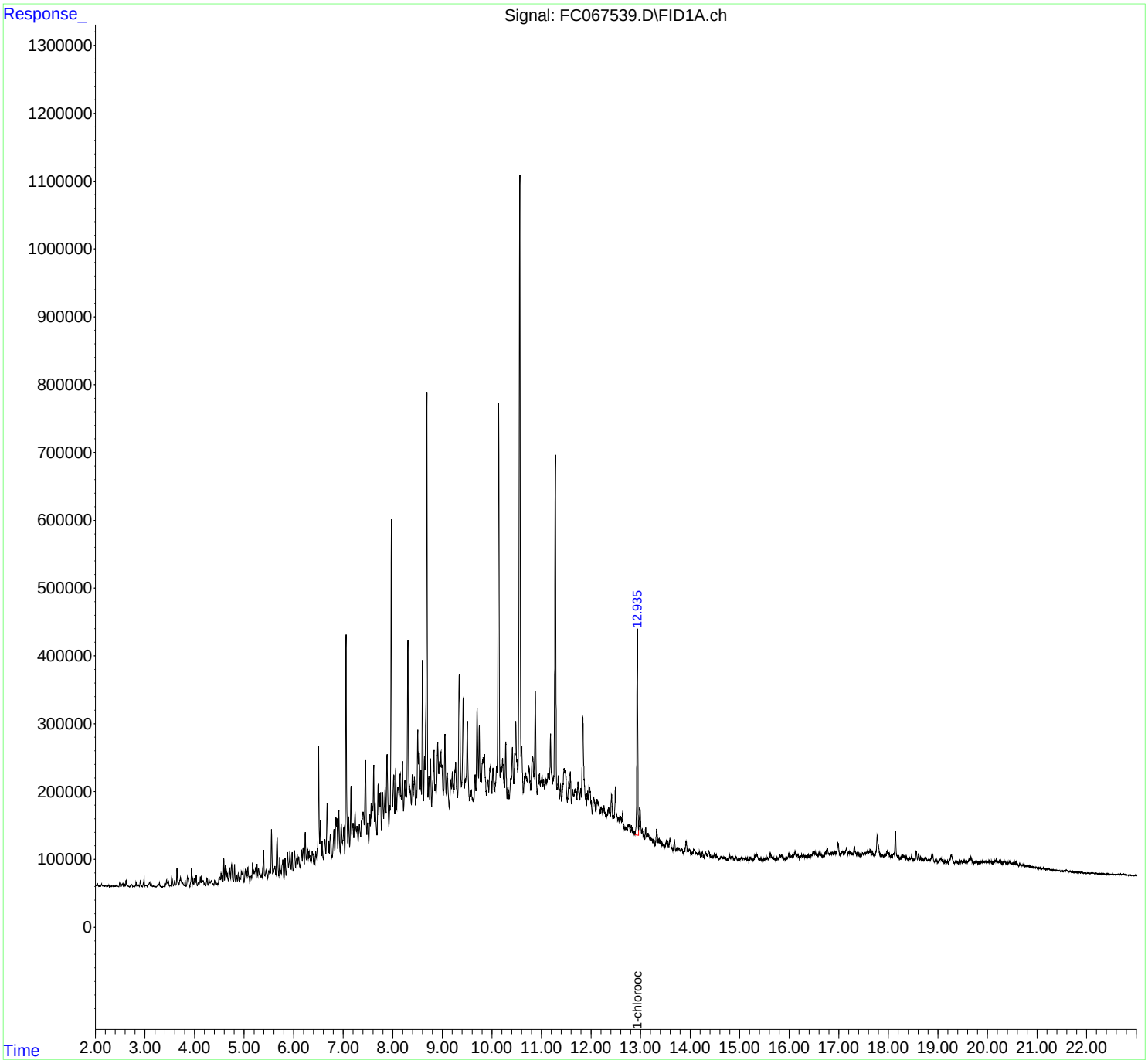
Instrument :
FID_C
ClientSampleId :
EX-5-TPH-5

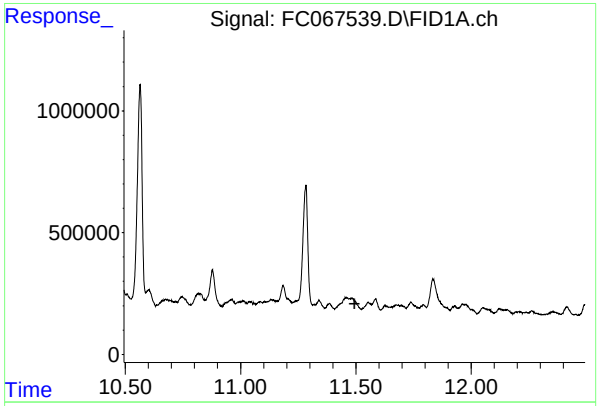
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: sample.E
Quant Time: Oct 29 00:05:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





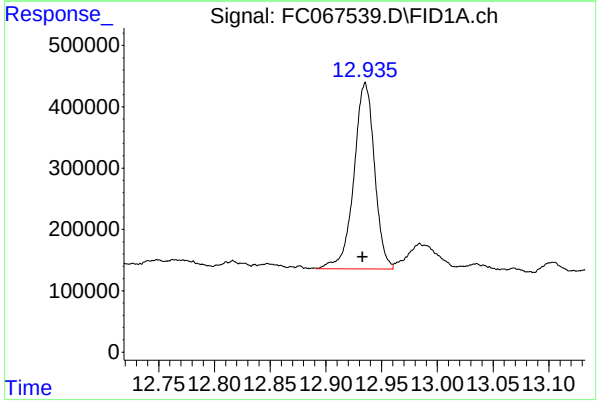
#9 ortho-Terphenyl (SURR)

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

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.935 min
Delta R.T.: 0.002 min
Response: 3906204
Conc: 36.17 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10282
Data File : FC067539.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 12:40
Sample : P4518-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.168	3.154	3.183	PH	1028	9817	0.04%	0.001%
2	3.194	3.183	3.207	PV	513	3044	0.01%	0.000%
3	3.220	3.207	3.232	PV	427	3687	0.02%	0.001%
4	3.268	3.232	3.280	VV	4084	65279	0.28%	0.009%
5	3.292	3.280	3.308	VV	6254	58833	0.25%	0.009%
6	3.319	3.308	3.346	VV	1595	16972	0.07%	0.002%
7	3.372	3.346	3.380	PV	802	8213	0.04%	0.001%
8	3.398	3.380	3.409	VV	4738	48226	0.21%	0.007%
9	3.436	3.409	3.461	VV	10483	188153	0.80%	0.027%
10	3.474	3.461	3.498	VV	7670	96372	0.41%	0.014%
11	3.510	3.498	3.520	VV	2237	22867	0.10%	0.003%
12	3.539	3.520	3.575	VV	13995	244745	1.05%	0.035%
13	3.600	3.575	3.620	VV	9463	138691	0.59%	0.020%
14	3.645	3.620	3.687	VV	28021	372585	1.59%	0.054%
15	3.717	3.687	3.792	VV	13997	411876	1.76%	0.060%
16	3.811	3.792	3.830	VV	9630	92331	0.39%	0.013%
17	3.858	3.830	3.904	VV	14176	284279	1.21%	0.041%
18	3.941	3.904	3.956	VV	27419	320857	1.37%	0.047%
19	3.968	3.956	3.985	VV	11572	126124	0.54%	0.018%
20	4.001	3.985	4.017	VV	11429	141380	0.60%	0.020%
21	4.034	4.017	4.055	VV	17259	190644	0.81%	0.028%
22	4.075	4.055	4.089	VV	5399	70076	0.30%	0.010%
23	4.117	4.089	4.130	VV	14493	184272	0.79%	0.027%
24	4.144	4.130	4.223	VV	15958	379286	1.62%	0.055%
25	4.252	4.223	4.271	VV	11870	162591	0.69%	0.024%
26	4.292	4.271	4.315	VV	11010	170324	0.73%	0.025%
27	4.337	4.315	4.365	VV	8385	177974	0.76%	0.026%
28	4.374	4.365	4.389	VV	4016	44349	0.19%	0.006%
29	4.407	4.389	4.430	VV	8724	115502	0.49%	0.017%
30	4.455	4.430	4.469	VV	4061	70461	0.30%	0.010%
31	4.501	4.469	4.520	VV	13727	282733	1.21%	0.041%
32	4.536	4.520	4.550	VV	19096	255090	1.09%	0.037%
33	4.562	4.550	4.575	VV	15131	183612	0.78%	0.027%
34	4.592	4.575	4.606	VV	40519	411782	1.76%	0.060%
35	4.620	4.606	4.634	VV	31000	345766	1.48%	0.050%
36	4.645	4.634	4.658	VV	22575	273880	1.17%	0.040%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

37	4.667	4.658	4.681	VV	19220	197410	0.84%	0.029%
38	4.712	4.681	4.728	VV	26115	449866		
39	4.749	4.728	4.788	VV	31856	627976		
40	4.808	4.788	4.835	VV	31697	420312		
41	4.858	4.835	4.872	VV	15073	221246		
42	4.893	4.872	4.912	VV	19526	336931		
43	4.923	4.912	4.930	VV	11732	107531	0.46%	0.016%
44	4.946	4.930	4.958	VV	20836	273251	1.17%	0.040%
45	4.977	4.958	5.000	VV	23567	390229	1.67%	0.057%
46	5.026	5.000	5.042	VV	23462	395464	1.69%	0.057%
47	5.077	5.042	5.116	VV	27153	730310	3.12%	0.106%
48	5.142	5.116	5.154	VV	14248	258483	1.10%	0.037%
49	5.173	5.154	5.204	VV	33707	663803	2.84%	0.096%
50	5.231	5.204	5.246	VV	26907	514062	2.20%	0.075%
51	5.262	5.246	5.277	VV	32007	406301	1.74%	0.059%
52	5.292	5.277	5.339	VV	25219	678444	2.90%	0.098%
53	5.352	5.339	5.361	VV	15249	182550	0.78%	0.026%
54	5.394	5.361	5.421	VV	52324	968584	4.14%	0.140%
55	5.443	5.421	5.478	VV	22913	597114	2.55%	0.087%
56	5.497	5.478	5.508	VV	21745	316640	1.35%	0.046%
57	5.518	5.508	5.534	VV	21434	319712	1.37%	0.046%
58	5.554	5.534	5.579	VV	81725	1191252	5.09%	0.173%
59	5.622	5.579	5.640	VV	28397	814761	3.48%	0.118%
60	5.668	5.640	5.701	VV	69931	1470976	6.28%	0.213%
61	5.721	5.701	5.751	VV	42029	742639	3.17%	0.108%
62	5.782	5.751	5.805	VV	37488	822370	3.51%	0.119%
63	5.828	5.805	5.848	VV	39507	599019	2.56%	0.087%
64	5.878	5.848	5.897	VV	48617	930188	3.97%	0.135%
65	5.925	5.897	5.950	VV	47996	1137485	4.86%	0.165%
66	5.970	5.950	5.989	VV	48685	767419	3.28%	0.111%
67	6.018	5.989	6.040	VV	50761	1076160	4.60%	0.156%
68	6.072	6.040	6.086	VV	44757	1037449	4.43%	0.150%
69	6.101	6.086	6.126	VV	41221	827972	3.54%	0.120%
70	6.161	6.126	6.175	VV	52165	1113719	4.76%	0.161%
71	6.190	6.175	6.215	VV	53449	1057463	4.52%	0.153%
72	6.234	6.215	6.258	VV	77497	1333921	5.70%	0.193%
73	6.280	6.258	6.297	VV	52547	1065290	4.55%	0.154%
74	6.309	6.297	6.340	VV	49243	1097937	4.69%	0.159%
75	6.352	6.340	6.360	VV	39552	459706	1.96%	0.067%
76	6.375	6.360	6.403	VV	49184	1074775	4.59%	0.156%
77	6.414	6.403	6.428	VV	39323	549970	2.35%	0.080%
78	6.446	6.428	6.459	VV	48371	754851	3.22%	0.109%
79	6.504	6.459	6.527	VV	203130	3604439	15.40%	0.522%
80	6.542	6.527	6.562	VV	95055	1479213	6.32%	0.214%
81	6.575	6.562	6.600	VV	64447	1115017	4.76%	0.162%
82	6.631	6.600	6.650	VV	66731	1614453	6.90%	0.234%
83	6.677	6.650	6.700	VV	120017	2377721	10.16%	0.345%
84	6.711	6.700	6.724	VV	64388	780323	3.33%	0.113%
85	6.740	6.724	6.771	VV	73099	1675120	7.16%	0.243%
86	6.812	6.771	6.831	VV	80850	2056755	8.79%	0.298%
87	6.853	6.831	6.863	VV	96593	1510696	6.45%	0.219%
88	6.873	6.863	6.892	VV	95997	1370078	5.85%	0.199%
89	6.912	6.892	6.938	VV	109182	2065381	8.82%	0.299%

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

rteres

90	6.962	6.938	6.983	VV	89115	1937718	8.28%	0.281%
91	7.012	6.983	7.032	VV	83902	1959418	8	
92	7.058	7.032	7.094	VV	367354	5681367	24	
93	7.111	7.094	7.131	VV	99601	1715423	7	
94	7.156	7.131	7.174	VV	144218	2452659	10	
95	7.199	7.174	7.214	VV	88712	1944197	8	
96	7.240	7.214	7.267	VV	105993	2778961	11.87%	0.403%
97	7.280	7.267	7.303	VV	85442	1646327	7.03%	0.239%
98	7.327	7.303	7.353	VV	88230	2342989	10.01%	0.340%
99	7.399	7.353	7.424	VV	106101	3969101	16.96%	0.575%
100	7.451	7.424	7.478	VV	182783	4039363	17.26%	0.585%
101	7.492	7.478	7.517	VV	89872	1776482	7.59%	0.257%
102	7.537	7.517	7.549	VV	101880	1663538	7.11%	0.241%
103	7.565	7.549	7.577	VV	117894	1728836	7.39%	0.251%
104	7.615	7.577	7.631	VV	173945	3983983	17.02%	0.577%
105	7.644	7.631	7.681	VV	121195	2898064	12.38%	0.420%
106	7.705	7.681	7.720	VV	146446	2610979	11.15%	0.378%
107	7.734	7.720	7.744	VV	132762	1764299	7.54%	0.256%
108	7.755	7.744	7.773	VV	134006	1933676	8.26%	0.280%
109	7.799	7.773	7.818	VV	134677	2868878	12.26%	0.416%
110	7.848	7.818	7.864	VV	141897	3367574	14.39%	0.488%
111	7.885	7.864	7.923	VV	190226	4737912	20.24%	0.687%
112	7.972	7.923	7.996	VV	532338	9274166	39.62%	1.344%
113	8.020	7.996	8.042	VV	158597	3667863	15.67%	0.532%
114	8.059	8.042	8.079	VV	166598	3028165	12.94%	0.439%
115	8.109	8.079	8.131	VV	141654	4106714	17.54%	0.595%
116	8.148	8.131	8.178	VV	160944	3916521	16.73%	0.568%
117	8.197	8.178	8.218	VV	180603	3482979	14.88%	0.505%
118	8.243	8.218	8.257	VV	152651	3049483	13.03%	0.442%
119	8.267	8.257	8.278	VV	139208	1723411	7.36%	0.250%
120	8.306	8.278	8.375	VV	359389	10453449	44.66%	1.515%
121	8.395	8.375	8.413	VV	159875	3134642	13.39%	0.454%
122	8.438	8.413	8.463	VV	156396	4150519	17.73%	0.602%
123	8.505	8.463	8.518	VV	225324	5263696	22.49%	0.763%
124	8.534	8.518	8.555	VV	191868	3907765	16.69%	0.566%
125	8.569	8.555	8.581	VV	166231	2396406	10.24%	0.347%
126	8.601	8.581	8.623	VV	328476	5383024	23.00%	0.780%
127	8.641	8.623	8.650	VV	184840	2548440	10.89%	0.369%
128	8.689	8.650	8.713	VV	715088	12841403	54.86%	1.861%
129	8.729	8.713	8.746	VV	155947	2882610	12.32%	0.418%
130	8.763	8.746	8.786	VV	183176	3477748	14.86%	0.504%
131	8.831	8.786	8.851	VV	194459	6013239	25.69%	0.871%
132	8.863	8.851	8.877	VV	145491	2148844	9.18%	0.311%
133	8.909	8.877	8.930	VV	206965	5467926	23.36%	0.792%
134	8.948	8.930	8.957	VV	177816	2764312	11.81%	0.401%
135	8.972	8.957	9.020	VV	193179	6339121	27.08%	0.919%
136	9.054	9.020	9.077	VV	218187	5649694	24.14%	0.819%
137	9.099	9.077	9.139	VV	161912	5218239	22.29%	0.756%
138	9.172	9.139	9.186	VV	151836	3734552	15.95%	0.541%
139	9.204	9.186	9.221	VV	163665	3190449	13.63%	0.462%
140	9.232	9.221	9.241	VV	142189	1672473	7.15%	0.242%
141	9.270	9.241	9.311	VV	177576	6410175	27.39%	0.929%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

142	9.342	9.311	9.386	VV	306771	9242652	39.49%	1.340%
143	9.423	9.386	9.449	VV	269755	7328218	31	
144	9.506	9.449	9.551	VV	236400	9904709	42	
145	9.584	9.551	9.619	VV	136261	5191247	22	
146	9.626	9.619	9.637	VV	122025	1296540	5	
147	9.662	9.637	9.677	VV	156747	3410295	14	
148	9.703	9.677	9.731	VV	255695	6344955	27.11%	0.920%
149	9.747	9.731	9.768	VV	230978	4143724	17.70%	0.601%
150	9.777	9.768	9.787	VV	157617	1825285	7.80%	0.265%
151	9.825	9.787	9.839	VV	184180	5332500	22.78%	0.773%
152	9.851	9.839	9.891	VV	186660	5013213	21.42%	0.727%
153	9.921	9.891	9.939	VV	149077	4054913	17.32%	0.588%
154	9.975	9.939	10.001	VV	170179	5720179	24.44%	0.829%
155	10.023	10.001	10.054	VV	166969	4765564	20.36%	0.691%
156	10.096	10.054	10.105	VV	171219	4580330	19.57%	0.664%
157	10.138	10.105	10.166	VV	707747	13727597	58.65%	1.990%
158	10.184	10.166	10.201	VV	171908	3480094	14.87%	0.504%
159	10.217	10.201	10.261	VV	180759	5747953	24.56%	0.833%
160	10.281	10.261	10.306	VV	205431	4401263	18.80%	0.638%
161	10.324	10.306	10.348	VV	138211	3318713	14.18%	0.481%
162	10.415	10.348	10.443	VV	197938	8943342	38.21%	1.296%
163	10.484	10.443	10.524	VV	235031	9043319	38.63%	1.311%
164	10.564	10.524	10.634	VV	1043700	23407217	100.00%	3.392%
165	10.676	10.634	10.728	VV	159303	8396361	35.87%	1.217%
166	10.746	10.728	10.783	VV	168876	5165550	22.07%	0.749%
167	10.820	10.783	10.846	VV	182253	6245743	26.68%	0.905%
168	10.878	10.846	10.921	VV	279717	8326552	35.57%	1.207%
169	10.961	10.921	10.979	VV	157462	5088281	21.74%	0.737%
170	11.011	10.979	11.027	VV	151906	4307744	18.40%	0.624%
171	11.039	11.027	11.066	VV	150009	3379465	14.44%	0.490%
172	11.085	11.066	11.095	VV	149307	2443882	10.44%	0.354%
173	11.132	11.095	11.156	VV	158488	5608638	23.96%	0.813%
174	11.185	11.156	11.225	VV	216346	7022681	30.00%	1.018%
175	11.282	11.225	11.314	VV	622078	14610896	62.42%	2.118%
176	11.340	11.314	11.366	VV	154169	4280362	18.29%	0.620%
177	11.385	11.366	11.407	VV	141677	3257416	13.92%	0.472%
178	11.458	11.407	11.474	VV	165768	5885535	25.14%	0.853%
179	11.482	11.474	11.523	VV	162348	4213666	18.00%	0.611%
180	11.553	11.523	11.568	VV	145601	3537782	15.11%	0.513%
181	11.585	11.568	11.608	VV	159190	3369435	14.39%	0.488%
182	11.627	11.608	11.646	VV	134905	2924460	12.49%	0.424%
183	11.676	11.646	11.717	VV	134824	5537527	23.66%	0.803%
184	11.739	11.717	11.774	VV	145883	4472817	19.11%	0.648%
185	11.793	11.774	11.805	VV	135749	2451006	10.47%	0.355%
186	11.835	11.805	11.908	VV	239543	9833499	42.01%	1.425%
187	11.929	11.908	11.943	VV	129774	2604962	11.13%	0.378%
188	11.963	11.943	12.026	VV	137370	6106790	26.09%	0.885%
189	12.052	12.026	12.099	VV	123792	4939603	21.10%	0.716%
190	12.122	12.099	12.148	VV	119430	3296381	14.08%	0.478%
191	12.154	12.148	12.184	VV	115527	2369782	10.12%	0.343%
192	12.207	12.184	12.230	VV	105927	2826081	12.07%	0.410%
193	12.239	12.230	12.248	VV	104666	1118652	4.78%	0.162%
194	12.263	12.248	12.314	VV	110457	4039053	17.26%	0.585%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

195	12.355	12.314	12.391	VV	106411	4614206	19.71%	0.669%
196	12.415	12.391	12.461	VV	125869	4434110	18	
197	12.493	12.461	12.539	VV	137772	4877021	20	
198	12.553	12.539	12.574	VV	91491	1940191	8	
199	12.598	12.574	12.619	VV	94428	2443752	10	
200	12.637	12.619	12.704	VV	97295	4218393	18	
201	12.710	12.704	12.730	VV	77109	1149526	4.91%	0.167%
202	12.766	12.730	12.798	VV	81291	3180253	13.59%	0.461%
203	12.816	12.798	12.834	VV	78195	1649019	7.04%	0.239%
204	12.848	12.834	12.886	VV	74943	2201704	9.41%	0.319%
205	12.935	12.886	12.961	VV	368027	6900086	29.48%	1.000%
206	12.986	12.961	13.018	VV	106841	3006602	12.84%	0.436%
207	13.035	13.018	13.088	VV	74330	2840602	12.14%	0.412%
208	13.103	13.088	13.124	VV	77404	1513159	6.46%	0.219%
209	13.148	13.124	13.187	VV	68566	2425981	10.36%	0.352%
210	13.201	13.187	13.225	VV	62977	1385923	5.92%	0.201%
211	13.233	13.225	13.251	VV	59658	901346	3.85%	0.131%
212	13.266	13.251	13.291	VV	59654	1338039	5.72%	0.194%
213	13.374	13.356	13.394	VV	60410	1314512	5.62%	0.191%
214	13.411	13.394	13.448	VV	57438	1725118	7.37%	0.250%
215	13.598	13.571	13.648	VV	59251	2356880	10.07%	0.342%
216	13.682	13.648	13.718	VV	58701	2009446	8.58%	0.291%
217	13.921	13.860	13.957	VV	54366	2613558	11.17%	0.379%
218	13.984	13.957	14.026	VV	44448	1700777	7.27%	0.246%
219	14.246	14.224	14.277	VV	39124	1115294	4.76%	0.162%
220	14.375	14.346	14.436	VV	41048	1912309	8.17%	0.277%
221	14.493	14.436	14.579	VV	37534	2852280	12.19%	0.413%
222	14.788	14.761	14.811	VV	35510	957702	4.09%	0.139%
223	14.847	14.811	14.887	VV	32752	1396469	5.97%	0.202%
224	14.921	14.887	14.959	VV	31873	1294076	5.53%	0.188%
225	15.118	15.100	15.136	VV	29928	625527	2.67%	0.091%
226	15.147	15.136	15.187	VV	29450	849728	3.63%	0.123%
227	15.213	15.187	15.271	VV	31668	1450590	6.20%	0.210%
228	15.433	15.411	15.458	VV	29605	777406	3.32%	0.113%
229	15.479	15.458	15.508	VV	27771	814291	3.48%	0.118%
230	15.520	15.508	15.587	VV	29251	1362682	5.82%	0.197%
231	15.718	15.711	15.748	VV	27940	609185	2.60%	0.088%
232	15.807	15.784	15.824	VV	33790	770089	3.29%	0.112%
233	15.847	15.824	15.918	VV	34146	1673663	7.15%	0.243%
234	15.934	15.918	15.943	VV	29063	434570	1.86%	0.063%
235	15.992	15.943	16.028	VV	35931	1595747	6.82%	0.231%
236	16.046	16.028	16.075	VV	32024	875383	3.74%	0.127%
237	16.120	16.075	16.154	VV	37197	1644930	7.03%	0.238%
238	16.166	16.154	16.214	VV	33966	1143978	4.89%	0.166%
239	16.245	16.214	16.269	VV	32886	1015100	4.34%	0.147%
240	16.289	16.269	16.312	VV	34171	833081	3.56%	0.121%
241	16.331	16.312	16.352	VV	31981	728832	3.11%	0.106%
242	16.380	16.352	16.394	VV	32236	793163	3.39%	0.115%
243	16.398	16.394	16.418	VV	32038	435773	1.86%	0.063%
244	16.445	16.418	16.455	VV	33971	724711	3.10%	0.105%
245	16.623	16.568	16.677	VV	36026	2178577	9.31%	0.316%
246	16.767	16.677	16.791	VV	42707	2432641	10.39%	0.353%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

247	16.804	16.791	16.821	VV	34712	600026	2.56%	0.087%
248	16.918	16.898	16.938	VV	37099	856238	3	
249	16.986	16.938	17.020	VV	50040	1982959	8	
250	17.071	17.020	17.099	VV	37169	1665413	7	
251	17.158	17.099	17.181	VV	43184	1831334	7	
252	17.266	17.248	17.284	VV	34501	739439	3	
253	17.310	17.284	17.388	VV	43795	2284226	9.76%	0.331%
254	17.633	17.604	17.660	VV	39268	1195805	5.11%	0.173%
255	17.679	17.660	17.734	VV	36892	1482007	6.33%	0.215%
256	17.775	17.734	17.854	VV	60589	2935266	12.54%	0.425%
257	17.876	17.854	17.903	VV	31791	891602	3.81%	0.129%
258	17.926	17.903	17.958	VV	32606	1032429	4.41%	0.150%
259	17.977	17.958	17.994	VV	37450	747293	3.19%	0.108%
260	18.008	17.994	18.044	VV	34750	960911	4.11%	0.139%
261	18.062	18.044	18.080	VV	31838	652816	2.79%	0.095%
262	18.142	18.080	18.195	VV	65386	2574912	11.00%	0.373%
263	18.207	18.195	18.242	VV	29336	776786	3.32%	0.113%
264	18.268	18.242	18.278	VV	27852	566968	2.42%	0.082%
265	18.348	18.341	18.413	VV	28970	1116841	4.77%	0.162%
266	18.430	18.413	18.444	VV	26161	478454	2.04%	0.069%
267	18.563	18.533	18.586	VV	36233	926926	3.96%	0.134%
268	18.612	18.586	18.634	VV	33295	816262	3.49%	0.118%
269	18.646	18.634	18.688	VV	26296	797150	3.41%	0.116%
270	18.693	18.688	18.711	VV	24227	335582	1.43%	0.049%
271	18.809	18.794	18.828	VV	23227	467509	2.00%	0.068%
272	18.892	18.828	18.928	VV	30751	1530765	6.54%	0.222%
273	18.961	18.928	19.011	VV	27119	1106923	4.73%	0.160%
274	19.048	19.011	19.144	VV	25046	1741386	7.44%	0.252%
275	19.158	19.144	19.169	VV	21402	308790	1.32%	0.045%
276	19.174	19.169	19.185	VV	20402	183054	0.78%	0.027%
277	19.194	19.185	19.218	VV	20627	397328	1.70%	0.058%
278	19.365	19.337	19.411	VV	22986	889527	3.80%	0.129%
279	19.465	19.411	19.502	VV	21540	1068056	4.56%	0.155%
280	19.532	19.502	19.571	VV	21310	830040	3.55%	0.120%
281	19.670	19.571	19.721	VV	25934	1912444	8.17%	0.277%
282	19.861	19.811	19.924	VV	19253	1255243	5.36%	0.182%
283	19.949	19.924	19.964	VV	20631	472646	2.02%	0.069%
284	19.992	19.964	20.015	VV	20939	593533	2.54%	0.086%
285	20.051	20.015	20.102	VV	21610	1011185	4.32%	0.147%
286	20.171	20.102	20.223	VV	21396	1412782	6.04%	0.205%
287	20.245	20.223	20.307	VV	20558	938518	4.01%	0.136%

Sum of corrected areas: 689992960

Aliphatic EPH 102324.M Wed Oct 30 05:43:58 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5		SDG No.:	P4518	
Lab Sample ID:	P4518-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
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
FD048600.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.94		0.41	0.90	mg/kg
Aromatic C12-C16	Aromatic C12-C16	55.1	E	0.46	1.35	mg/kg
Aromatic C16-C21	Aromatic C16-C21	191	E	1.29	2.25	mg/kg
Aromatic C21-C36	Aromatic C21-C36	40.5		2.70	3.60	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.0		40 - 140	94%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		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:	P4518-05	Acq On:	28 Oct 2024 12:03
Client Sample ID:	EX-5-TPH-5	Operator:	YP/AJ
Data file:	FD048600.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	9674420	54.905	200	ug/ml
Aromatic C12-C16	5.813	8.417	108683452	613.083	300	ug/ml
Aromatic C16-C21	8.418	12.677	349091010	2130	500	ug/ml
Aromatic C21-C36	12.678	18.081	68853737	450.87	800	ug/ml
Aromatic EPH	4.094	18.081	536302619	3250		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	4829462	49.18		ug/ml
ortho-Terphenyl (SURR)	11.261	11.261	5123116	30.08		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7133269	47		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048600.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 12:03
Operator : YP/AJ
Sample : P4518-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.373	7133269	46.998 ug/mlm
Spiked Amount 50.000		Recovery =	94.00%
6) S 2-Flurobiphenyl (SURR)	8.225	4829462	49.184 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	98.37%
11) S ortho-Terphenyl (SURR)	11.261	5123116	30.076 ug/mlm
Spiked Amount 50.000		Recovery =	60.15%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048600.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 12:03
Operator : YP/AJ
Sample : P4518-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

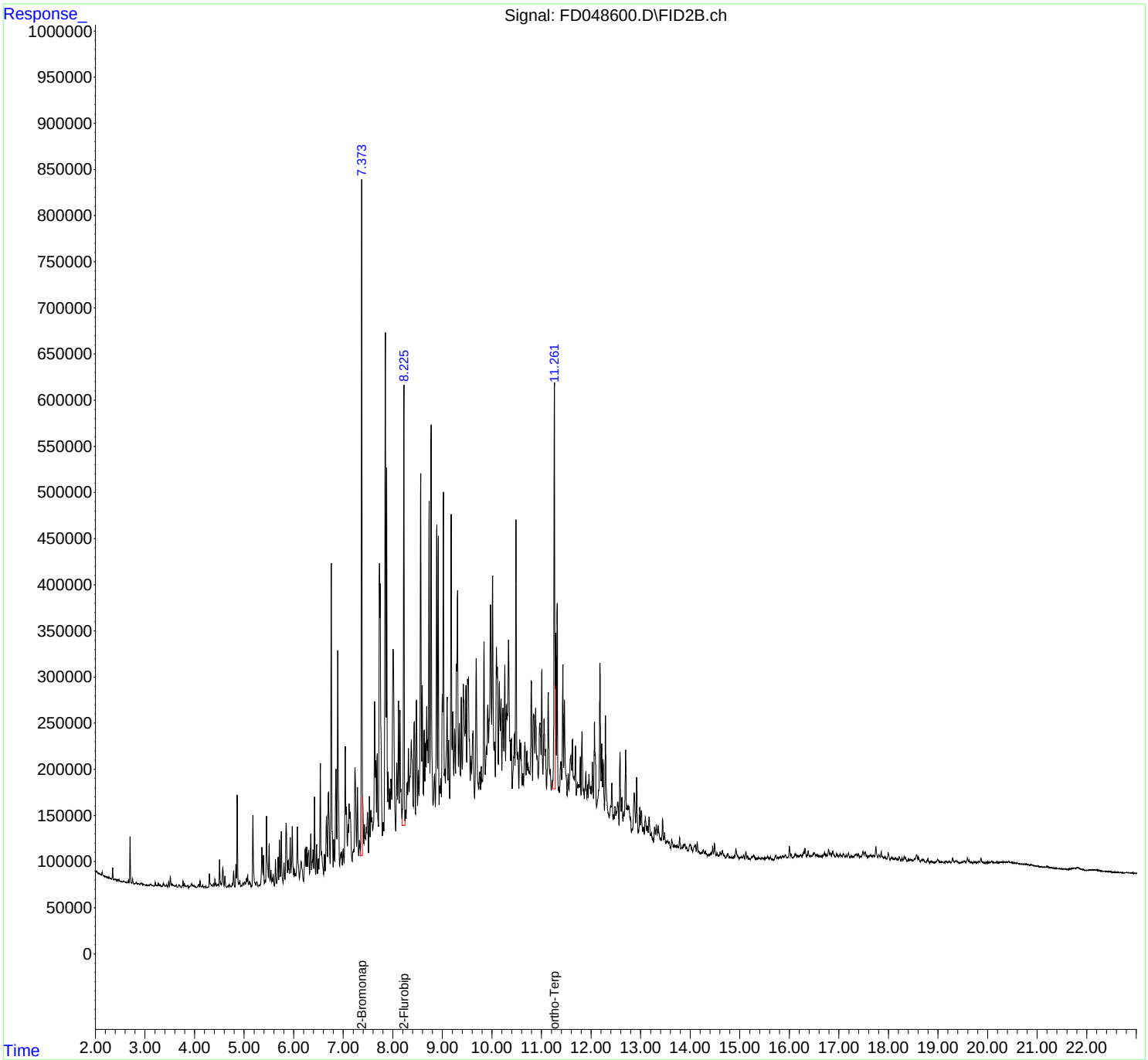
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-5

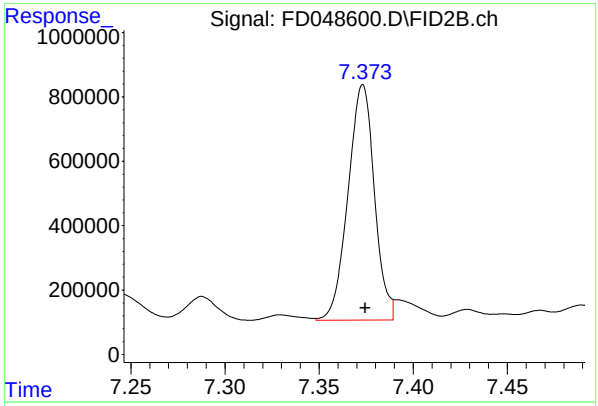
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





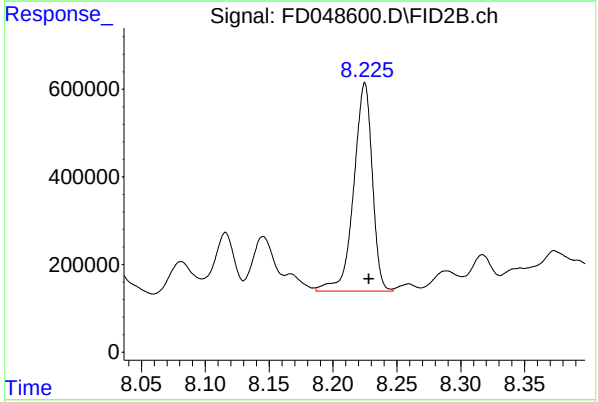
#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.002 mi
Response: 7133269
Conc: 47.00 ug/m

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

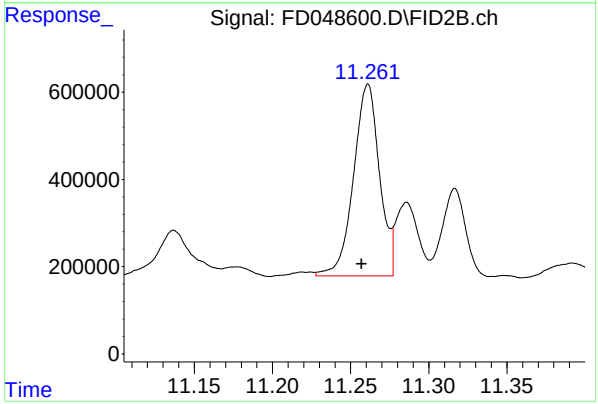
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: -0.004 min
Response: 4829462
Conc: 49.18 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.004 min
Response: 5123116
Conc: 30.08 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048600.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 12:03
Sample : P4518-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.197	4.182	4.212	PV	1338	11963	0.13%	0.002%
2	4.225	4.212	4.244	VV	1497	15451	0.16%	0.003%
3	4.274	4.244	4.282	PV	764	9048	0.09%	0.002%
4	4.300	4.282	4.318	VV	15285	153084	1.61%	0.027%
5	4.325	4.318	4.338	VV	4105	41217	0.43%	0.007%
6	4.348	4.338	4.367	VV	2974	40799	0.43%	0.007%
7	4.384	4.367	4.397	VV	4292	51662	0.54%	0.009%
8	4.412	4.397	4.424	VV	9259	86801	0.91%	0.015%
9	4.433	4.424	4.450	VV	4287	46387	0.49%	0.008%
10	4.464	4.450	4.472	VV	3288	34514	0.36%	0.006%
11	4.480	4.472	4.488	VV	3554	30071	0.32%	0.005%
12	4.505	4.488	4.522	VV	30200	280512	2.94%	0.050%
13	4.531	4.522	4.543	VV	5318	51559	0.54%	0.009%
14	4.571	4.543	4.594	VV	21417	318172	3.34%	0.057%
15	4.613	4.594	4.648	VV	12408	142133	1.49%	0.025%
16	4.678	4.648	4.692	PV	2468	31081	0.33%	0.006%
17	4.706	4.692	4.723	VV	3233	33598	0.35%	0.006%
18	4.733	4.723	4.744	VV	1408	12922	0.14%	0.002%
19	4.764	4.744	4.772	VV	4449	43165	0.45%	0.008%
20	4.788	4.772	4.815	VV	18100	190937	2.00%	0.034%
21	4.836	4.815	4.846	PV	24857	218900	2.30%	0.039%
22	4.861	4.846	4.884	VV	100057	928691	9.74%	0.165%
23	4.893	4.884	4.902	VV	4854	45595	0.48%	0.008%
24	4.914	4.902	4.930	VV	7535	74226	0.78%	0.013%
25	4.949	4.930	4.961	VV	1880	25133	0.26%	0.004%
26	4.979	4.961	4.993	VV	4885	64539	0.68%	0.011%
27	5.009	4.993	5.027	VV	5796	83108	0.87%	0.015%
28	5.046	5.027	5.058	VV	8826	114484	1.20%	0.020%
29	5.071	5.058	5.088	VV	12916	137453	1.44%	0.024%
30	5.110	5.088	5.123	VV	5987	84945	0.89%	0.015%
31	5.128	5.123	5.142	VV	3228	24985	0.26%	0.004%
32	5.152	5.142	5.158	VV	1507	11721	0.12%	0.002%
33	5.178	5.158	5.236	VV	77280	917599	9.62%	0.163%
34	5.258	5.236	5.285	VV	5304	95733	1.00%	0.017%
35	5.302	5.285	5.315	VV	1739	22021	0.23%	0.004%
36	5.359	5.315	5.379	VV	42481	604805	6.34%	0.108%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

37	5.391	5.379	5.409	VV	33963	335571	3.52%	0.060%
38	5.423	5.409	5.434	VV	6771	80921	0	
39	5.452	5.434	5.490	VV	76059	1067983	11	
40	5.505	5.490	5.524	VV	46374	467941	4	
41	5.542	5.524	5.557	VV	17740	210362	2	
42	5.567	5.557	5.575	VV	7751	68826	0	
43	5.587	5.575	5.612	VV	13289	143904	1.51%	0.026%
44	5.634	5.612	5.656	PV	28991	294883	3.09%	0.052%
45	5.686	5.656	5.699	VV	31234	368283	3.86%	0.065%
46	5.713	5.699	5.732	VV	49916	528464	5.54%	0.094%
47	5.751	5.732	5.787	VV	59097	730255	7.66%	0.130%
48	5.805	5.787	5.826	VV	24985	298013	3.13%	0.053%
49	5.849	5.826	5.876	VV	67759	1113323	11.68%	0.198%
50	5.889	5.876	5.916	VV	27506	460459	4.83%	0.082%
51	5.931	5.916	5.946	VV	52322	560084	5.87%	0.100%
52	5.973	5.946	6.000	VV	64060	959387	10.06%	0.171%
53	6.012	6.000	6.024	VV	17843	210519	2.21%	0.037%
54	6.033	6.024	6.044	VV	12597	135581	1.42%	0.024%
55	6.074	6.044	6.116	VV	63567	1165103	12.22%	0.207%
56	6.152	6.116	6.200	VV	25828	778734	8.17%	0.138%
57	6.234	6.200	6.248	VV	39570	699628	7.34%	0.124%
58	6.265	6.248	6.279	VV	41506	582384	6.11%	0.104%
59	6.304	6.279	6.322	VV	37563	721186	7.56%	0.128%
60	6.346	6.322	6.363	VV	55107	769008	8.06%	0.137%
61	6.375	6.363	6.380	VV	25412	234488	2.46%	0.042%
62	6.393	6.380	6.406	VV	37776	462456	4.85%	0.082%
63	6.421	6.406	6.443	VV	95521	1014310	10.64%	0.180%
64	6.463	6.443	6.481	VV	43433	570673	5.98%	0.101%
65	6.499	6.481	6.510	VV	28141	360310	3.78%	0.064%
66	6.539	6.510	6.555	VV	130950	1653809	17.34%	0.294%
67	6.562	6.555	6.604	VV	35546	717824	7.53%	0.128%
68	6.621	6.604	6.637	VV	32863	433964	4.55%	0.077%
69	6.661	6.637	6.683	VV	72872	1281001	13.43%	0.228%
70	6.700	6.683	6.736	VV	99395	1946715	20.42%	0.346%
71	6.759	6.736	6.797	VV	347363	4357750	45.70%	0.775%
72	6.811	6.797	6.827	VV	48322	606513	6.36%	0.108%
73	6.854	6.827	6.871	VV	124442	2016663	21.15%	0.359%
74	6.890	6.871	6.928	VV	252906	3666704	38.45%	0.652%
75	6.950	6.928	6.958	VV	32213	496978	5.21%	0.088%
76	6.968	6.958	6.983	VV	34702	433672	4.55%	0.077%
77	7.000	6.983	7.017	VV	37950	612679	6.43%	0.109%
78	7.041	7.017	7.055	VV	148821	1885514	19.77%	0.335%
79	7.063	7.055	7.085	VV	83166	1198523	12.57%	0.213%
80	7.099	7.085	7.107	VV	64352	706878	7.41%	0.126%
81	7.119	7.107	7.129	VV	86462	994030	10.42%	0.177%
82	7.138	7.129	7.180	VV	77609	1638873	17.19%	0.291%
83	7.210	7.180	7.217	VV	37054	722607	7.58%	0.128%
84	7.238	7.217	7.269	VV	125534	2536409	26.60%	0.451%
85	7.288	7.269	7.313	VV	103803	1631082	17.11%	0.290%
86	7.329	7.313	7.348	VV	46365	809219	8.49%	0.144%
87	7.373	7.348	7.416	VV	762755	8982729	94.20%	1.597%
88	7.429	7.416	7.442	VV	63304	867089	9.09%	0.154%
89	7.448	7.442	7.455	VV	49135	356953	3.74%	0.063%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

90	7.468	7.455	7.475	VV	60280	661506	6.94%	0.118%
91	7.490	7.475	7.512	VV	76361	1326888	13	
92	7.529	7.512	7.544	VV	93757	1259558	13	
93	7.558	7.544	7.572	VV	78539	1145419	12	
94	7.580	7.572	7.597	VV	69950	969875	10	
95	7.634	7.597	7.651	VV	196301	3563898	37	
96	7.659	7.651	7.672	VV	132249	1423895	14.93%	0.253%
97	7.685	7.672	7.710	VV	139963	2157604	22.63%	0.384%
98	7.731	7.710	7.739	VV	345719	3674876	38.54%	0.653%
99	7.745	7.739	7.792	VV	323921	5226612	54.81%	0.929%
100	7.807	7.792	7.821	VV	65011	1035450	10.86%	0.184%
101	7.851	7.821	7.865	VV	594204	7690615	80.65%	1.367%
102	7.877	7.865	7.895	VV	449096	4730646	49.61%	0.841%
103	7.908	7.895	7.924	VV	119209	1793268	18.81%	0.319%
104	7.938	7.924	7.950	VV	101300	1374705	14.42%	0.244%
105	7.964	7.950	7.981	VV	111756	1840700	19.30%	0.327%
106	8.008	7.981	8.059	VV	252281	7015221	73.57%	1.247%
107	8.081	8.059	8.097	VV	128889	2199007	23.06%	0.391%
108	8.116	8.097	8.130	VV	195506	2622112	27.50%	0.466%
109	8.145	8.130	8.162	VV	185655	2643676	27.72%	0.470%
110	8.167	8.162	8.185	VV	100628	1182682	12.40%	0.210%
111	8.225	8.185	8.246	VV	537903	7038451	73.81%	1.251%
112	8.259	8.246	8.269	VV	77559	996733	10.45%	0.177%
113	8.289	8.269	8.301	VV	107076	1803883	18.92%	0.321%
114	8.317	8.301	8.331	VV	144211	2082504	21.84%	0.370%
115	8.373	8.331	8.412	VV	153209	5893037	61.80%	1.048%
116	8.432	8.412	8.457	VV	172526	3511855	36.83%	0.624%
117	8.478	8.457	8.501	VV	196361	3645205	38.23%	0.648%
118	8.515	8.501	8.530	VV	120049	1793183	18.81%	0.319%
119	8.563	8.530	8.582	VV	441365	6877385	72.12%	1.223%
120	8.595	8.582	8.618	VV	211841	3252717	34.11%	0.578%
121	8.634	8.618	8.648	VV	163595	2311775	24.24%	0.411%
122	8.662	8.648	8.673	VV	149420	1974333	20.71%	0.351%
123	8.686	8.673	8.699	VV	188672	2522063	26.45%	0.448%
124	8.706	8.699	8.715	VV	152538	1381436	14.49%	0.246%
125	8.733	8.715	8.749	VV	411668	5067576	53.14%	0.901%
126	8.774	8.749	8.812	VV	493354	8088674	84.83%	1.438%
127	8.842	8.812	8.860	VV	114545	2767706	29.03%	0.492%
128	8.887	8.860	8.903	VV	385255	5410134	56.74%	0.962%
129	8.918	8.903	8.936	VV	373082	4313173	45.23%	0.767%
130	8.947	8.936	8.958	VV	102566	1251818	13.13%	0.223%
131	8.969	8.958	8.982	VV	110171	1473523	15.45%	0.262%
132	9.000	8.982	9.006	VV	200504	2235891	23.45%	0.398%
133	9.022	9.006	9.041	VV	419980	5561438	58.32%	0.989%
134	9.050	9.041	9.062	VV	119776	1426357	14.96%	0.254%
135	9.097	9.062	9.112	VV	198522	4378037	45.91%	0.778%
136	9.126	9.112	9.149	VV	151176	2660341	27.90%	0.473%
137	9.179	9.149	9.197	VV	396382	6170079	64.71%	1.097%
138	9.210	9.197	9.230	VV	182680	3013021	31.60%	0.536%
139	9.249	9.230	9.266	VV	163356	2997675	31.44%	0.533%
140	9.287	9.266	9.293	VV	233783	2987248	31.33%	0.531%
141	9.306	9.293	9.326	VV	313421	4383882	45.97%	0.779%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

142	9.343	9.326	9.365	VV	169477	3305340	34.66%	0.588%
143	9.383	9.365	9.402	VV	197246	3271452	34	
144	9.425	9.402	9.452	VV	211924	5211069	54	
145	9.477	9.452	9.492	VV	210094	4051452	42	
146	9.510	9.492	9.516	VV	215979	2671780	28	
147	9.526	9.516	9.564	VV	217674	4857023	50	
148	9.578	9.564	9.591	VV	133613	1966078	20.62%	0.350%
149	9.621	9.591	9.650	VV	160551	4605391	48.30%	0.819%
150	9.684	9.650	9.731	VV	238969	6822187	71.55%	1.213%
151	9.754	9.731	9.771	VV	115555	2565921	26.91%	0.456%
152	9.785	9.771	9.799	VV	121849	1803808	18.92%	0.321%
153	9.805	9.799	9.812	VV	106986	828364	8.69%	0.147%
154	9.842	9.812	9.866	VV	256538	5177293	54.29%	0.921%
155	9.888	9.866	9.897	VV	141861	2351051	24.66%	0.418%
156	9.917	9.897	9.934	VV	188398	3694979	38.75%	0.657%
157	9.973	9.934	9.996	VV	295526	7743408	81.21%	1.377%
158	10.014	9.996	10.041	VV	327669	6032529	63.26%	1.073%
159	10.051	10.041	10.070	VV	147785	2320297	24.33%	0.413%
160	10.093	10.070	10.104	VV	250120	3926246	41.18%	0.698%
161	10.110	10.104	10.130	VV	229050	2987774	31.33%	0.531%
162	10.151	10.130	10.171	VV	213240	4262553	44.70%	0.758%
163	10.186	10.171	10.202	VV	194313	3010871	31.58%	0.535%
164	10.224	10.202	10.241	VV	184490	3746355	39.29%	0.666%
165	10.261	10.241	10.277	VV	230573	3758820	39.42%	0.668%
166	10.293	10.277	10.304	VV	186855	2699866	28.31%	0.480%
167	10.312	10.304	10.317	VV	178043	1401608	14.70%	0.249%
168	10.337	10.317	10.379	VV	257421	6962711	73.02%	1.238%
169	10.394	10.379	10.410	VV	150361	2437413	25.56%	0.433%
170	10.453	10.410	10.467	VV	155148	4338713	45.50%	0.771%
171	10.487	10.467	10.514	VV	387529	6140042	64.39%	1.092%
172	10.526	10.514	10.544	VV	135928	2279329	23.90%	0.405%
173	10.562	10.544	10.574	VV	148983	2248147	23.58%	0.400%
174	10.584	10.574	10.611	VV	145516	2795086	29.31%	0.497%
175	10.626	10.611	10.639	VV	112691	1822248	19.11%	0.324%
176	10.665	10.639	10.690	VV	145812	3842294	40.29%	0.683%
177	10.706	10.690	10.719	VV	136311	2132172	22.36%	0.379%
178	10.730	10.719	10.767	VV	122576	3348294	35.11%	0.595%
179	10.796	10.767	10.820	VV	212192	4998703	52.42%	0.889%
180	10.840	10.820	10.846	VV	176896	2304041	24.16%	0.410%
181	10.850	10.846	10.867	VV	175915	1995910	20.93%	0.355%
182	10.882	10.867	10.910	VV	183013	3931634	41.23%	0.699%
183	10.916	10.910	10.933	VV	131502	1736143	18.21%	0.309%
184	10.966	10.933	10.991	VV	166831	4902760	51.42%	0.872%
185	11.007	10.991	11.030	VV	224191	3773116	39.57%	0.671%
186	11.053	11.030	11.070	VV	171162	3474778	36.44%	0.618%
187	11.079	11.070	11.102	VV	138115	2310613	24.23%	0.411%
188	11.137	11.102	11.167	VV	199538	5364291	56.26%	0.954%
189	11.177	11.167	11.198	VV	115633	2002696	21.00%	0.356%
190	11.261	11.198	11.276	VV	533837	9535509	100.00%	1.695%
191	11.286	11.276	11.301	VV	263400	3137423	32.90%	0.558%
192	11.317	11.301	11.342	VV	295725	4380282	45.94%	0.779%
193	11.349	11.342	11.360	VV	95361	995489	10.44%	0.177%
194	11.392	11.360	11.410	VV	123923	3292293	34.53%	0.585%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

195	11.432	11.410	11.448	VV	228695	3729612	39.11%	0.663%
196	11.464	11.448	11.517	VV	190702	5254271	55	
197	11.539	11.517	11.556	VV	110542	2316818	24	
198	11.591	11.556	11.610	VV	129927	3800985	39	
199	11.625	11.610	11.650	VV	147633	2938666	30	
200	11.655	11.650	11.666	VV	106149	1012274	10	
201	11.685	11.666	11.703	VV	140106	2541885	26.66%	0.452%
202	11.726	11.703	11.735	VV	100186	1803435	18.91%	0.321%
203	11.748	11.735	11.766	VV	98523	1795858	18.83%	0.319%
204	11.783	11.766	11.798	VV	127852	2047543	21.47%	0.364%
205	11.816	11.798	11.864	VV	155673	4298248	45.08%	0.764%
206	11.896	11.864	11.915	VV	112426	2980223	31.25%	0.530%
207	11.930	11.915	11.942	VV	97607	1467353	15.39%	0.261%
208	11.959	11.942	11.989	VV	108968	2693356	28.25%	0.479%
209	12.000	11.989	12.010	VV	96282	1188204	12.46%	0.211%
210	12.026	12.010	12.051	VV	122217	2452576	25.72%	0.436%
211	12.070	12.051	12.082	VV	165687	2370563	24.86%	0.421%
212	12.086	12.082	12.113	VV	132479	1953152	20.48%	0.347%
213	12.179	12.113	12.199	VV	229394	6024685	63.18%	1.071%
214	12.215	12.199	12.230	VV	141492	2273242	23.84%	0.404%
215	12.244	12.230	12.272	VV	124749	2481053	26.02%	0.441%
216	12.290	12.272	12.364	VV	172136	5008739	52.53%	0.891%
217	12.395	12.364	12.405	VV	74221	1697146	17.80%	0.302%
218	12.420	12.405	12.447	VV	98965	1965419	20.61%	0.349%
219	12.454	12.447	12.465	VV	64210	667223	7.00%	0.119%
220	12.486	12.465	12.501	VV	73222	1440374	15.11%	0.256%
221	12.537	12.501	12.563	VV	77879	2594916	27.21%	0.461%
222	12.583	12.563	12.605	VV	131559	2273039	23.84%	0.404%
223	12.623	12.605	12.645	VV	82346	1658704	17.40%	0.295%
224	12.659	12.645	12.668	VV	65988	884787	9.28%	0.157%
225	12.699	12.668	12.717	VV	134198	2714363	28.47%	0.483%
226	12.734	12.717	12.750	VV	72680	1439536	15.10%	0.256%
227	12.761	12.750	12.787	VV	73115	1479702	15.52%	0.263%
228	12.794	12.787	12.816	VV	61181	962300	10.09%	0.171%
229	12.832	12.816	12.836	VV	48016	575490	6.04%	0.102%
230	12.870	12.836	12.899	VV	87639	2547309	26.71%	0.453%
231	12.919	12.899	12.960	VV	104211	2419509	25.37%	0.430%
232	12.982	12.960	12.996	VV	71209	1251229	13.12%	0.222%
233	13.015	12.996	13.042	VV	67746	1555954	16.32%	0.277%
234	13.056	13.042	13.072	VV	49784	851585	8.93%	0.151%
235	13.094	13.072	13.121	VV	60871	1547577	16.23%	0.275%
236	13.134	13.121	13.151	VV	50913	848544	8.90%	0.151%
237	13.172	13.151	13.199	VV	60230	1461672	15.33%	0.260%
238	13.216	13.199	13.237	VV	43661	899772	9.44%	0.160%
239	13.247	13.237	13.259	VV	37360	467509	4.90%	0.083%
240	13.280	13.259	13.300	VV	49359	1066502	11.18%	0.190%
241	13.315	13.300	13.333	VV	51673	922775	9.68%	0.164%
242	13.353	13.333	13.390	VV	50684	1474049	15.46%	0.262%
243	13.399	13.390	13.404	VV	37107	316678	3.32%	0.056%
244	13.407	13.404	13.420	VV	36547	341559	3.58%	0.061%
245	13.443	13.420	13.463	VV	57614	1154109	12.10%	0.205%
246	13.482	13.463	13.505	VV	43144	943576	9.90%	0.168%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

247	13.523	13.505	13.534	VV	33848	561390	5.89%	0.100%
248	13.549	13.534	13.562	VV	34182	553261	5	
249	13.575	13.562	13.605	VV	32864	772906	8	
250	13.627	13.605	13.660	VV	35343	1008620	10	
251	13.679	13.660	13.696	VV	29614	593523	6	
252	13.711	13.696	13.722	VV	28550	429752	4	
253	13.735	13.722	13.750	VV	29478	477084	5.00%	0.085%
254	13.786	13.750	13.809	VV	36837	1040392	10.91%	0.185%
255	13.835	13.809	13.847	VV	26606	584310	6.13%	0.104%
256	13.865	13.847	13.870	VV	28763	384369	4.03%	0.068%
257	13.885	13.870	13.918	VV	30020	809386	8.49%	0.144%
258	13.926	13.918	13.962	VV	26635	630603	6.61%	0.112%
259	14.005	13.962	14.051	VV	29347	1379999	14.47%	0.245%
260	14.080	14.051	14.087	VV	27457	533118	5.59%	0.095%
261	14.101	14.087	14.119	VV	28911	510285	5.35%	0.091%
262	14.140	14.119	14.159	VV	31701	612201	6.42%	0.109%
263	14.172	14.159	14.207	VV	21923	586719	6.15%	0.104%
264	14.231	14.207	14.241	VV	20224	391705	4.11%	0.070%
265	14.265	14.241	14.285	VV	22530	553642	5.81%	0.098%
266	14.301	14.285	14.327	VV	21881	501871	5.26%	0.089%
267	14.333	14.327	14.347	VV	18547	208596	2.19%	0.037%
268	14.363	14.347	14.375	VV	17271	285158	2.99%	0.051%
269	14.394	14.375	14.401	VV	17491	266050	2.79%	0.047%
270	14.423	14.401	14.432	VV	18833	339624	3.56%	0.060%
271	14.452	14.432	14.470	VV	26065	478233	5.02%	0.085%
272	14.490	14.470	14.524	VV	29330	700921	7.35%	0.125%
273	14.539	14.524	14.574	VV	19256	511784	5.37%	0.091%
274	14.607	14.574	14.620	VV	20105	493776	5.18%	0.088%
275	14.646	14.620	14.669	VV	20703	548366	5.75%	0.097%
276	14.674	14.669	14.719	VV	17191	451730	4.74%	0.080%
277	14.759	14.719	14.785	VV	17935	618341	6.48%	0.110%
278	14.798	14.785	14.813	VV	14433	234435	2.46%	0.042%
279	14.819	14.813	14.823	VV	13473	77800	0.82%	0.014%
280	14.829	14.823	14.844	VV	13997	164378	1.72%	0.029%
281	14.849	14.844	14.860	VV	13427	131406	1.38%	0.023%
282	14.864	14.860	14.867	VV	13522	50565	0.53%	0.009%
283	14.889	14.867	14.898	VV	14909	270080	2.83%	0.048%
284	14.921	14.898	14.952	VV	22739	584116	6.13%	0.104%
285	14.959	14.952	14.989	VV	15031	304680	3.20%	0.054%
286	15.029	14.989	15.048	VV	14407	460029	4.82%	0.082%
287	15.077	15.048	15.099	VV	16333	425913	4.47%	0.076%
288	15.123	15.099	15.145	VV	19307	429348	4.50%	0.076%
289	15.159	15.145	15.182	VV	14703	287118	3.01%	0.051%
290	15.201	15.182	15.218	VV	11829	247990	2.60%	0.044%
291	15.259	15.218	15.266	VV	13904	367672	3.86%	0.065%
292	15.283	15.266	15.314	VV	15004	386661	4.05%	0.069%
293	15.319	15.314	15.335	VV	11954	144657	1.52%	0.026%
294	15.354	15.335	15.363	VV	12104	188847	1.98%	0.034%
295	15.375	15.363	15.385	VV	12410	162985	1.71%	0.029%
296	15.406	15.385	15.424	VV	11786	261889	2.75%	0.047%
297	15.428	15.424	15.433	VV	11117	64337	0.67%	0.011%
298	15.449	15.433	15.465	VV	12576	221603	2.32%	0.039%
299	15.474	15.465	15.504	VV	11320	258285	2.71%	0.046%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

300	15.507	15.504	15.512	VV	11217	54564	0.57%	0.010%
301	15.523	15.512	15.529	VV	11714	115302		
302	15.534	15.529	15.543	VV	11523	92336		
303	15.559	15.543	15.586	VV	13296	316274		
304	15.621	15.586	15.640	VV	12498	364260		
305	15.653	15.640	15.684	VV	10266	253112		
306	15.720	15.684	15.748	VV	13916	453361	4.75%	0.081%
307	15.762	15.748	15.784	VV	11824	238056	2.50%	0.042%
308	15.821	15.784	15.835	VV	12640	365553	3.83%	0.065%
309	15.872	15.835	15.879	VV	12930	318407	3.34%	0.057%
310	15.883	15.879	15.893	VV	12757	97615	1.02%	0.017%
311	15.917	15.893	15.952	VV	14323	450533	4.72%	0.080%
312	15.969	15.952	15.975	VV	11898	158535	1.66%	0.028%
313	15.999	15.975	16.021	VV	23326	465777	4.88%	0.083%
314	16.033	16.021	16.072	VV	14794	391942	4.11%	0.070%
315	16.113	16.072	16.130	VV	14469	448203	4.70%	0.080%
316	16.135	16.130	16.158	VV	14249	221791	2.33%	0.039%
317	16.170	16.158	16.189	VV	13424	229251	2.40%	0.041%
318	16.234	16.189	16.255	VV	13971	505697	5.30%	0.090%
319	16.293	16.255	16.302	VV	16824	411978	4.32%	0.073%
320	16.317	16.302	16.345	VV	20389	418238	4.39%	0.074%
321	16.352	16.345	16.356	VV	12837	84634	0.89%	0.015%
322	16.380	16.356	16.425	VV	17735	564875	5.92%	0.100%
323	16.440	16.425	16.451	VV	12168	183055	1.92%	0.033%
324	16.490	16.451	16.494	VV	14494	334002	3.50%	0.059%
325	16.503	16.494	16.532	VV	15363	323156	3.39%	0.057%
326	16.546	16.532	16.563	VV	13720	235548	2.47%	0.042%
327	16.577	16.563	16.597	VV	12925	248157	2.60%	0.044%
328	16.609	16.597	16.622	VV	11673	168836	1.77%	0.030%
329	16.633	16.622	16.651	VV	11451	192644	2.02%	0.034%
330	16.656	16.651	16.659	VV	11545	54604	0.57%	0.010%
331	16.676	16.659	16.680	VV	12908	152877	1.60%	0.027%
332	16.708	16.680	16.735	VV	15431	447998	4.70%	0.080%
333	16.743	16.735	16.756	VV	12749	154643	1.62%	0.027%
334	16.761	16.756	16.766	VV	12345	72454	0.76%	0.013%
335	16.791	16.766	16.809	VV	18773	395241	4.14%	0.070%
336	16.824	16.809	16.847	VV	14171	305880	3.21%	0.054%
337	16.876	16.847	16.933	VV	16907	666323	6.99%	0.118%
338	16.955	16.933	16.983	VV	13362	357432	3.75%	0.064%
339	16.989	16.983	17.008	VV	11353	167893	1.76%	0.030%
340	17.029	17.008	17.067	VV	12820	408810	4.29%	0.073%
341	17.093	17.067	17.124	VV	13197	396092	4.15%	0.070%
342	17.126	17.124	17.129	VV	10277	29956	0.31%	0.005%
343	17.147	17.129	17.167	VV	11814	247538	2.60%	0.044%
344	17.191	17.167	17.224	VV	13970	388086	4.07%	0.069%
345	17.242	17.224	17.276	VV	10783	312349	3.28%	0.056%
346	17.284	17.276	17.288	VV	9585	68128	0.71%	0.012%
347	17.318	17.288	17.329	VV	11944	257059	2.70%	0.046%
348	17.351	17.329	17.369	VV	12746	284992	2.99%	0.051%
349	17.390	17.369	17.412	VV	13160	286416	3.00%	0.051%
350	17.425	17.412	17.431	VV	9574	101302	1.06%	0.018%
351	17.439	17.431	17.445	VV	10085	79080	0.83%	0.014%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

rteres

352	17.488	17.445	17.506	VV	14810	433095	4.54%	0.077%
353	17.531	17.506	17.550	VV	14598	331021	3	
354	17.555	17.550	17.578	VV	10619	156582	1	
355	17.598	17.578	17.612	VV	9761	187700	1	
356	17.637	17.612	17.655	VV	11166	258626	2	
357	17.659	17.655	17.675	VV	10121	115063	1	
358	17.693	17.675	17.720	VV	10927	264755	2.78%	0.047%
359	17.745	17.720	17.785	VV	19995	493434	5.17%	0.088%
360	17.808	17.785	17.834	VV	11242	272780	2.86%	0.049%
361	17.854	17.834	17.873	VV	13894	251272	2.64%	0.045%
362	17.876	17.873	17.882	VV	8491	45867	0.48%	0.008%
363	17.887	17.882	17.902	VV	8294	91040	0.95%	0.016%
364	17.925	17.902	17.930	VV	7985	124829	1.31%	0.022%
365	17.938	17.930	17.959	VV	8114	125705	1.32%	0.022%
366	17.966	17.959	17.970	VV	6195	38216	0.40%	0.007%
367	17.994	17.970	18.032	VV	12469	319546	3.35%	0.057%
368	18.065	18.032	18.089	VV	7930	219553	2.30%	0.039%
369	18.094	18.089	18.111	VV	6029	74185	0.78%	0.013%
370	18.146	18.111	18.195	VV	7156	294134	3.08%	0.052%
371	18.221	18.195	18.250	VBA	7498	204813	2.15%	0.036%

Sum of corrected areas: 562432439

Aromatic EPH 102324.M Tue Oct 29 05:22:17 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5DL		SDG No.:	P4518	
Lab Sample ID:	P4518-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
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
FC067558.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	18.0		2.56	6.74	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	163	E	1.62	4.50	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	170	E	2.02	6.74	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.1		5.39	8.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.8		12.1	13.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.98		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:	P4518-05DL	Acq On:	29 Oct 2024 12:38
Client Sample ID:	EX-5-TPH-5DL	Operator:	YP/AJ
Data file:	FC067558.D	Misc:	
Instrument:	FID_C	ALS Vial:	32
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	5423586	40.035	300	ug/ml
Aliphatic C12-C16	6.454	9.842	47886419	363.653	200	ug/ml
Aliphatic C16-C21	9.843	13.200	48335550	379.892	300	ug/ml
Aliphatic C21-C28	13.201	16.853	5105772	42.516	400	ug/ml
Aliphatic C28-C40	16.854	21.695	6473877	64.039	600	ug/ml
Aliphatic EPH	3.173	21.695	113225204	890.135		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	753880	6.98		ug/ml
Aliphatic C9-C28	3.173	16.853	106751327	826.096	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067558.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 12:38
Operator : YP/AJ
Sample : P4518-05DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:47:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.931	753880	6.981 ug/ml
Spiked Amount 50.000		Recovery = 13.96%	
Target Compounds			

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

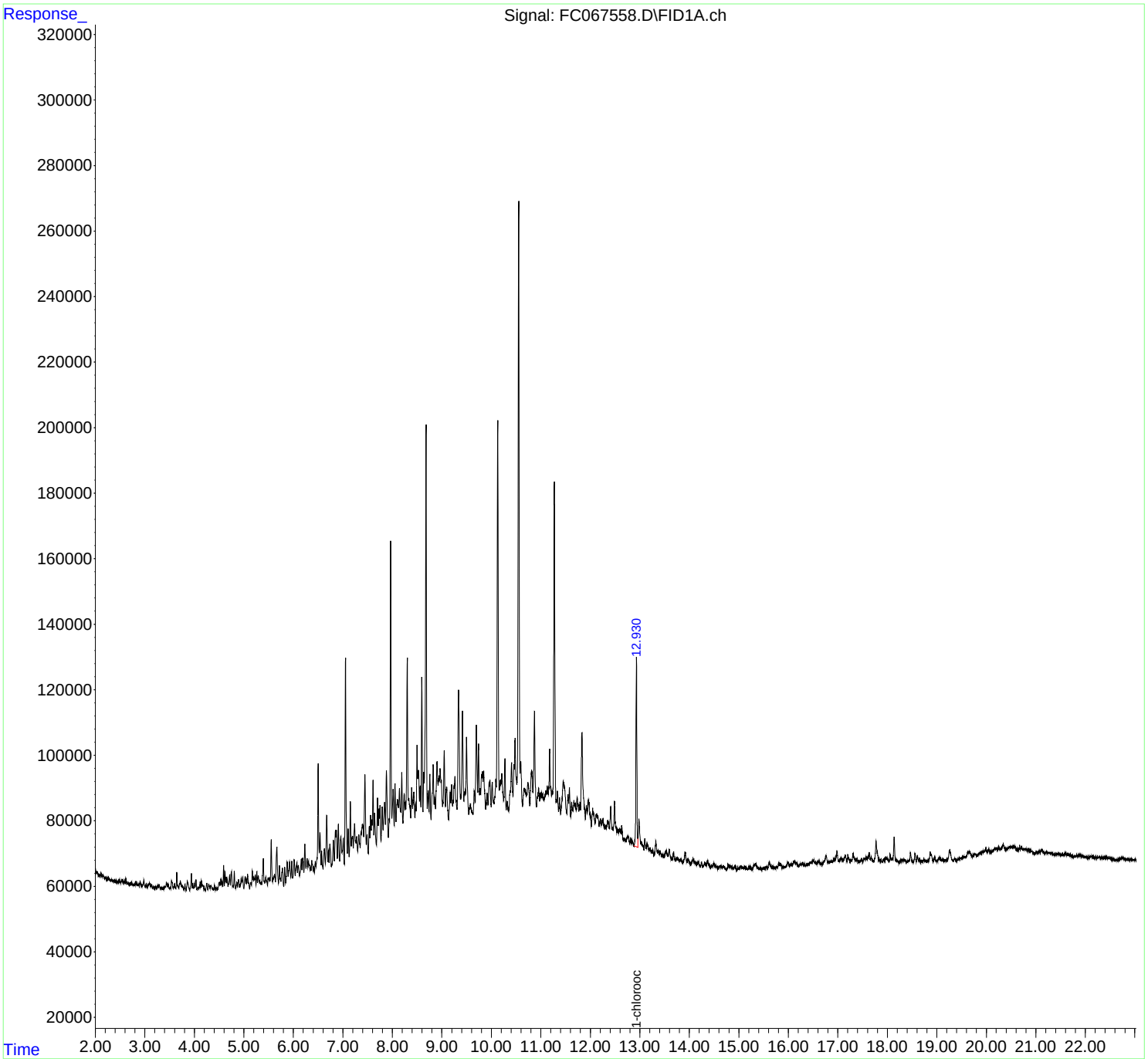
Quantitation Report (QT Reviewed)

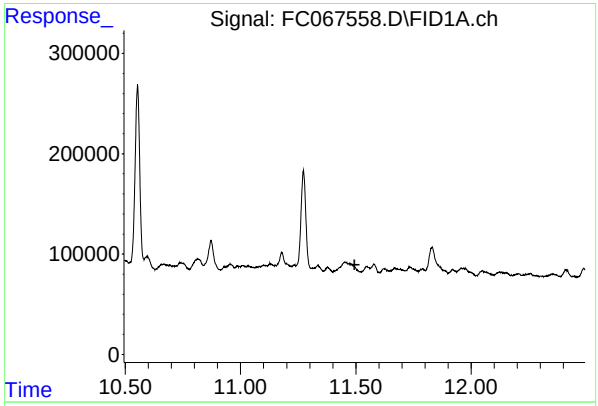
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067558.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 12:38
Operator : YP/AJ
Sample : P4518-05DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:47:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

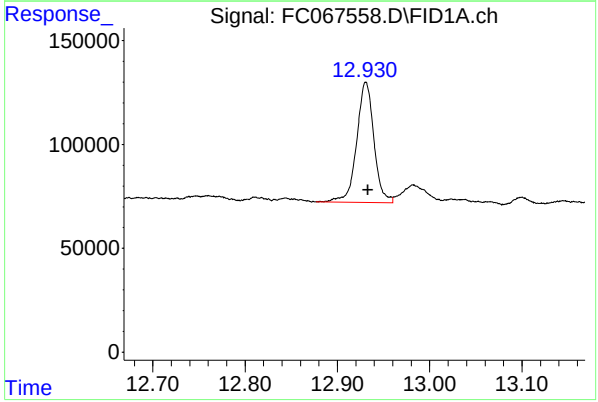




#9 ortho-Terphenyl (SURR)

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

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



#12 1-chlorooctadecane (SURR)

R.T.: 12.931 min
Delta R.T.: -0.002 min
Response: 753880
Conc: 6.98 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067558.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 12:38
Sample : P4518-05DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.211	3.238	PV	87	498	0.01%	0.000%
2	3.265	3.238	3.279	PV	673	11162	0.31%	0.010%
3	3.291	3.279	3.308	VV	1125	10644	0.30%	0.009%
4	3.318	3.308	3.356	VV	311	3346	0.09%	0.003%
5	3.397	3.356	3.409	PV	903	11079	0.31%	0.010%
6	3.435	3.409	3.461	VV	2068	36035	1.01%	0.031%
7	3.474	3.461	3.497	VV	1488	18423	0.51%	0.016%
8	3.510	3.497	3.520	VV	451	4485	0.13%	0.004%
9	3.539	3.520	3.575	VV	2664	46425	1.30%	0.041%
10	3.599	3.575	3.619	VV	1783	25324	0.71%	0.022%
11	3.645	3.619	3.688	VV	5233	69794	1.95%	0.061%
12	3.717	3.688	3.793	VV	2769	76568	2.14%	0.067%
13	3.810	3.793	3.830	VV	1797	16966	0.47%	0.015%
14	3.858	3.830	3.904	PV	2683	53825	1.50%	0.047%
15	3.940	3.904	3.956	PV	5238	60099	1.68%	0.052%
16	3.967	3.956	3.984	VV	2186	23591	0.66%	0.021%
17	4.000	3.984	4.016	VV	2157	26589	0.74%	0.023%
18	4.034	4.016	4.055	VV	3245	35761	1.00%	0.031%
19	4.074	4.055	4.088	VV	966	12518	0.35%	0.011%
20	4.117	4.088	4.129	VV	2655	33648	0.94%	0.029%
21	4.144	4.129	4.192	VV	2981	60683	1.69%	0.053%
22	4.200	4.192	4.223	VV	840	7170	0.20%	0.006%
23	4.251	4.223	4.271	PV	2167	28270	0.79%	0.025%
24	4.291	4.271	4.315	VV	1963	29973	0.84%	0.026%
25	4.336	4.315	4.364	VV	1425	29120	0.81%	0.025%
26	4.375	4.364	4.390	VV	618	6200	0.17%	0.005%
27	4.407	4.390	4.428	PV	1546	17253	0.48%	0.015%
28	4.454	4.428	4.469	VV	524	9598	0.27%	0.008%
29	4.501	4.469	4.519	VV	2277	45166	1.26%	0.039%
30	4.536	4.519	4.550	VV	3420	44048	1.23%	0.038%
31	4.561	4.550	4.575	VV	2589	29600	0.83%	0.026%
32	4.591	4.575	4.606	VV	7463	71148	1.99%	0.062%
33	4.620	4.606	4.633	VV	5467	59296	1.66%	0.052%
34	4.644	4.633	4.658	VV	3857	45510	1.27%	0.040%
35	4.666	4.658	4.680	VV	3162	29921	0.84%	0.026%
36	4.711	4.680	4.727	VV	4381	71189	1.99%	0.062%

rteres

37	4.748	4.727	4.788	VV	5397	99295	2.77%	0.087%
38	4.807	4.788	4.834	VV	5525	63584	1.77%	0.056%
39	4.857	4.834	4.872	VV	2166	28875	0.81%	0.025%
40	4.892	4.872	4.912	VV	3008	47471	1.32%	0.041%
41	4.922	4.912	4.929	VV	1515	12679	0.35%	0.011%
42	4.945	4.929	4.958	VV	3238	40108	1.12%	0.035%
43	4.976	4.958	4.999	VV	3803	54998	1.54%	0.048%
44	5.025	4.999	5.041	VV	3765	55510	1.55%	0.048%
45	5.052	5.041	5.062	VV	3085	30678	0.86%	0.027%
46	5.076	5.062	5.115	VV	4411	72155	2.01%	0.063%
47	5.141	5.115	5.153	VV	1766	28736	0.80%	0.025%
48	5.172	5.153	5.203	VV	5556	99463	2.78%	0.087%
49	5.230	5.203	5.245	VV	4293	75936	2.12%	0.066%
50	5.261	5.245	5.276	VV	5212	60541	1.69%	0.053%
51	5.291	5.276	5.312	VV	3904	63164	1.76%	0.055%
52	5.321	5.312	5.339	VV	2423	31609	0.88%	0.028%
53	5.351	5.339	5.360	VV	1819	20742	0.58%	0.018%
54	5.393	5.360	5.420	VV	9196	146712	4.09%	0.128%
55	5.442	5.420	5.477	VV	3378	77643	2.17%	0.068%
56	5.498	5.477	5.508	VV	3010	43235	1.21%	0.038%
57	5.518	5.508	5.531	VV	3059	37937	1.06%	0.033%
58	5.553	5.531	5.578	VV	14565	202107	5.64%	0.177%
59	5.620	5.578	5.638	VV	4178	112478	3.14%	0.098%
60	5.667	5.638	5.700	VV	12479	237285	6.62%	0.207%
61	5.719	5.700	5.749	VV	6763	105549	2.95%	0.092%
62	5.780	5.749	5.804	VV	6032	116711	3.26%	0.102%
63	5.826	5.804	5.846	VV	6109	80752	2.25%	0.071%
64	5.877	5.846	5.895	VV	7804	140914	3.93%	0.123%
65	5.924	5.895	5.949	VV	7898	175966	4.91%	0.154%
66	5.968	5.949	5.986	VV	7973	113964	3.18%	0.100%
67	6.017	5.986	6.039	VV	8379	169559	4.73%	0.148%
68	6.070	6.039	6.084	VV	7652	159257	4.45%	0.139%
69	6.100	6.084	6.123	VV	6567	124480	3.47%	0.109%
70	6.160	6.123	6.174	VV	8605	176105	4.92%	0.154%
71	6.189	6.174	6.213	VV	8900	167152	4.67%	0.146%
72	6.232	6.213	6.255	VV	13107	214530	5.99%	0.187%
73	6.279	6.255	6.295	VV	8615	174195	4.86%	0.152%
74	6.308	6.295	6.339	VV	7825	171728	4.79%	0.150%
75	6.372	6.339	6.401	VV	8060	232106	6.48%	0.203%
76	6.413	6.401	6.427	VV	6182	83120	2.32%	0.073%
77	6.444	6.427	6.457	VV	7635	113632	3.17%	0.099%
78	6.501	6.457	6.525	VV	37583	627364	17.51%	0.548%
79	6.540	6.525	6.560	VV	16353	252189	7.04%	0.220%
80	6.573	6.560	6.599	VV	10661	180331	5.03%	0.157%
81	6.628	6.599	6.648	VV	11403	256488	7.16%	0.224%
82	6.674	6.648	6.698	VV	21522	407529	11.37%	0.356%
83	6.709	6.698	6.721	VV	10862	126673	3.54%	0.111%
84	6.739	6.721	6.768	VV	12729	268552	7.50%	0.235%
85	6.810	6.768	6.829	VV	13898	337477	9.42%	0.295%
86	6.851	6.829	6.861	VV	16927	256693	7.16%	0.224%
87	6.870	6.861	6.889	VV	16876	233092	6.51%	0.204%
88	6.910	6.889	6.935	VV	18941	347416	9.70%	0.303%
89	6.959	6.935	6.981	VV	14805	324728	9.06%	0.284%

90	7.010	6.981	7.029	VV	14418	320226	8.94%	0.280%
91	7.054	7.029	7.091	VV	69462	1037282	28.95%	0.906%
92	7.108	7.091	7.128	VV	17186	283214	7.90%	0.247%
93	7.153	7.128	7.171	VV	25473	423302	11.81%	0.370%
94	7.196	7.171	7.212	VV	14813	330439	9.22%	0.289%
95	7.237	7.212	7.264	VV	18700	473155	13.21%	0.413%
96	7.278	7.264	7.299	VV	14729	269423	7.52%	0.235%
97	7.324	7.299	7.350	VV	15268	393112	10.97%	0.343%
98	7.397	7.350	7.421	VV	18272	690592	19.28%	0.603%
99	7.447	7.421	7.475	VV	33556	709893	19.81%	0.620%
100	7.489	7.475	7.514	VV	15274	295675	8.25%	0.258%
101	7.534	7.514	7.546	VV	17679	276218	7.71%	0.241%
102	7.562	7.546	7.574	VV	20969	305455	8.53%	0.267%
103	7.611	7.574	7.628	VV	31895	696595	19.44%	0.608%
104	7.641	7.628	7.678	VV	21725	503226	14.05%	0.439%
105	7.701	7.678	7.717	VV	26261	455976	12.73%	0.398%
106	7.730	7.717	7.741	VV	22931	304722	8.51%	0.266%
107	7.752	7.741	7.770	VV	24088	343459	9.59%	0.300%
108	7.796	7.770	7.814	VV	23523	492779	13.75%	0.430%
109	7.844	7.814	7.861	VV	24989	594035	16.58%	0.519%
110	7.881	7.861	7.920	VV	34499	836510	23.35%	0.731%
111	7.966	7.920	7.992	VV	103693	1700283	47.46%	1.485%
112	8.017	7.992	8.038	VV	28759	652892	18.22%	0.570%
113	8.055	8.038	8.075	VV	30454	532547	14.86%	0.465%
114	8.105	8.075	8.127	VV	25138	733995	20.49%	0.641%
115	8.144	8.127	8.171	VV	28903	655922	18.31%	0.573%
116	8.192	8.171	8.213	VV	33610	646878	18.06%	0.565%
117	8.239	8.213	8.252	VV	27197	545182	15.22%	0.476%
118	8.261	8.252	8.273	VV	24517	291493	8.14%	0.255%
119	8.301	8.273	8.371	VV	68038	1909791	53.30%	1.668%
120	8.391	8.371	8.408	VV	28896	551164	15.38%	0.481%
121	8.433	8.408	8.457	VV	27721	725492	20.25%	0.634%
122	8.500	8.457	8.513	VV	41652	941297	26.27%	0.822%
123	8.530	8.513	8.551	VV	34193	724212	20.21%	0.632%
124	8.564	8.551	8.577	VV	29431	414443	11.57%	0.362%
125	8.597	8.577	8.619	VV	61636	983353	27.45%	0.859%
126	8.682	8.619	8.708	VV	139367	2861989	79.88%	2.499%
127	8.725	8.708	8.741	VV	27909	504447	14.08%	0.441%
128	8.758	8.741	8.781	VV	32774	637027	17.78%	0.556%
129	8.826	8.781	8.844	VV	35832	1035463	28.90%	0.904%
130	8.855	8.844	8.872	VV	25813	407388	11.37%	0.356%
131	8.903	8.872	8.926	VV	36495	998424	27.87%	0.872%
132	8.944	8.926	8.954	VV	32339	530931	14.82%	0.464%
133	8.967	8.954	9.015	VV	34230	1084480	30.27%	0.947%
134	9.049	9.015	9.073	VV	39988	1016937	28.38%	0.888%
135	9.094	9.073	9.134	VV	28712	902239	25.18%	0.788%
136	9.168	9.134	9.180	VV	27026	640757	17.88%	0.560%
137	9.200	9.180	9.234	VV	29379	840021	23.45%	0.734%
138	9.265	9.234	9.306	VV	31953	1164611	32.51%	1.017%
139	9.338	9.306	9.381	VV	57251	1674473	46.74%	1.462%
140	9.418	9.381	9.444	VV	51641	1323518	36.94%	1.156%
141	9.500	9.444	9.544	VV	43788	1730661	48.30%	1.511%

142	9.580	9.544	9.630	VV	23568	1118231	31.21%	0.977%
143	9.655	9.630	9.672	VV	27307	611844	17.08%	0.534%
144	9.698	9.672	9.725	VV	47018	1141412	31.86%	0.997%
145	9.742	9.725	9.784	VV	41287	1097789	30.64%	0.959%
146	9.821	9.784	9.833	VV	33205	901013	25.15%	0.787%
147	9.845	9.833	9.884	VV	33273	878035	24.51%	0.767%
148	9.915	9.884	9.934	VV	26315	725586	20.25%	0.634%
149	9.971	9.934	9.997	VV	30276	1020184	28.47%	0.891%
150	10.018	9.997	10.054	VV	29555	883812	24.67%	0.772%
151	10.091	10.054	10.100	VV	30515	730168	20.38%	0.638%
152	10.130	10.100	10.161	VV	138606	2576263	71.91%	2.250%
153	10.182	10.161	10.195	VV	30102	588060	16.41%	0.514%
154	10.211	10.195	10.248	VV	32030	916313	25.58%	0.800%
155	10.276	10.248	10.301	VV	37204	892745	24.92%	0.780%
156	10.317	10.301	10.347	VV	23682	616674	17.21%	0.539%
157	10.409	10.347	10.438	VV	35814	1501084	41.90%	1.311%
158	10.479	10.438	10.516	VV	42604	1561063	43.57%	1.363%
159	10.553	10.516	10.582	VV	206261	3582801	100.00%	3.129%
160	10.594	10.582	10.630	VV	35272	858340	23.96%	0.750%
161	10.668	10.630	10.714	VV	27528	1307580	36.50%	1.142%
162	10.739	10.714	10.777	VV	29102	1007493	28.12%	0.880%
163	10.814	10.777	10.839	VV	32881	1071295	29.90%	0.936%
164	10.872	10.839	10.914	VV	51148	1477393	41.24%	1.290%
165	10.955	10.914	10.974	VV	27393	905897	25.28%	0.791%
166	11.010	10.974	11.024	VV	25938	749880	20.93%	0.655%
167	11.035	11.024	11.061	VV	25489	550738	15.37%	0.481%
168	11.100	11.061	11.115	VV	26023	812240	22.67%	0.709%
169	11.128	11.115	11.153	VV	27670	606158	16.92%	0.529%
170	11.179	11.153	11.220	VV	39031	1196847	33.41%	1.045%
171	11.232	11.220	11.239	VV	26198	305499	8.53%	0.267%
172	11.273	11.239	11.311	VV	119461	2398362	66.94%	2.095%
173	11.335	11.311	11.360	VV	26121	695198	19.40%	0.607%
174	11.378	11.360	11.400	VV	24110	517422	14.44%	0.452%
175	11.453	11.400	11.521	VV	29043	1783346	49.78%	1.557%
176	11.548	11.521	11.564	VV	24979	586339	16.37%	0.512%
177	11.579	11.564	11.602	VV	27232	533182	14.88%	0.466%
178	11.623	11.602	11.644	VV	22550	528186	14.74%	0.461%
179	11.669	11.644	11.714	VV	23188	907490	25.33%	0.793%
180	11.735	11.714	11.769	VV	23966	722721	20.17%	0.631%
181	11.789	11.769	11.801	VV	22359	406388	11.34%	0.355%
182	11.830	11.801	11.901	VV	44048	1659953	46.33%	1.450%
183	11.920	11.901	11.937	VV	21541	435995	12.17%	0.381%
184	11.958	11.937	12.024	VV	23063	1041068	29.06%	0.909%
185	12.048	12.024	12.094	VV	20580	760459	21.23%	0.664%
186	12.123	12.094	12.144	VV	18944	535007	14.93%	0.467%
187	12.150	12.144	12.179	VV	18315	357226	9.97%	0.312%
188	12.206	12.179	12.221	VV	17368	408196	11.39%	0.356%
189	12.257	12.221	12.315	VV	17507	889117	24.82%	0.777%
190	12.353	12.315	12.386	VV	16819	662608	18.49%	0.579%
191	12.411	12.386	12.458	VV	21058	717810	20.03%	0.627%
192	12.488	12.458	12.534	VV	22407	753723	21.04%	0.658%
193	12.550	12.534	12.574	VV	13865	322660	9.01%	0.282%
194	12.588	12.574	12.615	VV	14246	333757	9.32%	0.291%

195	12.632	12.615	12.678	VV	15214	469118	13.09%	0.410%
196	12.685	12.678	12.730	VV	11042	334281	9.33%	0.292%
197	12.760	12.730	12.794	VV	11830	428014	11.95%	0.374%
198	12.812	12.794	12.834	VV	11117	246580	6.88%	0.215%
199	12.844	12.834	12.877	VV	10691	252347	7.04%	0.220%
200	12.931	12.877	12.959	VV	66614	1174033	32.77%	1.025%
201	12.983	12.959	13.015	VV	16700	440366	12.29%	0.385%
202	13.025	13.015	13.080	VV	10025	355130	9.91%	0.310%
203	13.100	13.080	13.123	VV	10898	236072	6.59%	0.206%
204	13.145	13.123	13.182	VV	9226	295281	8.24%	0.258%
205	13.202	13.182	13.228	VV	8062	203291	5.67%	0.178%
206	13.233	13.228	13.251	VV	7031	95533	2.67%	0.083%
207	13.262	13.251	13.288	VV	7381	145236	4.05%	0.127%
208	13.322	13.288	13.353	VV	10177	301938	8.43%	0.264%
209	13.373	13.353	13.394	VV	7114	165066	4.61%	0.144%
210	13.410	13.394	13.448	VV	6850	195395	5.45%	0.171%
211	13.458	13.448	13.484	VV	5800	120451	3.36%	0.105%
212	13.535	13.484	13.564	VV	6728	283861	7.92%	0.248%
213	13.595	13.564	13.654	VV	7243	295910	8.26%	0.258%
214	13.681	13.654	13.713	VV	6320	175362	4.89%	0.153%
215	13.735	13.713	13.754	VV	4636	106898	2.98%	0.093%
216	13.766	13.754	13.795	VV	4537	101549	2.83%	0.089%
217	13.826	13.795	13.870	VV	4352	170336	4.75%	0.149%
218	13.918	13.870	13.953	VV	6300	219096	6.12%	0.191%
219	13.972	13.953	14.033	VV	3908	159256	4.45%	0.139%
220	14.082	14.033	14.116	VV	3858	164088	4.58%	0.143%
221	14.124	14.116	14.139	VV	3044	37714	1.05%	0.033%
222	14.153	14.139	14.165	VV	2745	41334	1.15%	0.036%
223	14.185	14.165	14.221	VV	3220	83289	2.32%	0.073%
224	14.246	14.221	14.274	VV	3076	72535	2.02%	0.063%
225	14.312	14.274	14.342	VV	2996	95164	2.66%	0.083%
226	14.371	14.342	14.431	VV	3571	123247	3.44%	0.108%
227	14.489	14.431	14.579	VV	2607	153317	4.28%	0.134%
228	14.624	14.579	14.674	VV	1747	75661	2.11%	0.066%
229	14.688	14.674	14.748	VV	1591	47488	1.33%	0.041%
230	14.788	14.748	14.808	VV	2161	48309	1.35%	0.042%
231	14.845	14.808	14.855	VV	1464	38067	1.06%	0.033%
232	14.861	14.855	14.888	VV	1324	19819	0.55%	0.017%
233	14.927	14.888	14.958	VV	1506	42917	1.20%	0.037%
234	14.980	14.958	15.000	VV	791	15848	0.44%	0.014%
235	15.035	15.000	15.088	VV	1428	51425	1.44%	0.045%
236	15.127	15.088	15.178	VV	1160	38623	1.08%	0.034%
237	15.216	15.178	15.265	VV	1263	38784	1.08%	0.034%
238	15.343	15.265	15.414	VV	1881	94683	2.64%	0.083%
239	15.428	15.414	15.464	VV	804	13793	0.38%	0.012%
240	15.488	15.464	15.498	VV	490	7302	0.20%	0.006%
241	15.516	15.498	15.538	VV	752	13178	0.37%	0.012%
242	15.555	15.538	15.578	VV	924	17103	0.48%	0.015%
243	15.614	15.578	15.669	VV	2323	65744	1.83%	0.057%
244	15.691	15.669	15.728	VV	788	21023	0.59%	0.018%
245	15.739	15.728	15.744	VV	625	4857	0.14%	0.004%
246	15.774	15.744	15.784	VV	895	16994	0.47%	0.015%

247	15.806	15.784	15.828	VV	1902	35367	0.99%	0.031%
248	15.847	15.828	15.881	VV	1666	36909	1.03%	0.032%
249	15.893	15.881	15.914	VV	683	10928	0.31%	0.010%
250	15.994	15.914	16.024	VV	1972	73523	2.05%	0.064%
251	16.048	16.024	16.070	VV	1291	32488	0.91%	0.028%
252	16.127	16.070	16.148	VV	2425	83987	2.34%	0.073%
253	16.163	16.148	16.208	VV	2034	48304	1.35%	0.042%
254	16.245	16.208	16.256	VV	1291	31879	0.89%	0.028%
255	16.287	16.256	16.308	VV	1865	42064	1.17%	0.037%
256	16.321	16.308	16.351	VV	1276	27318	0.76%	0.024%
257	16.369	16.351	16.378	VV	1324	17123	0.48%	0.015%
258	16.397	16.378	16.418	VV	1354	27750	0.77%	0.024%
259	16.510	16.418	16.568	VV	2385	156878	4.38%	0.137%
260	16.619	16.568	16.681	VV	2111	103068	2.88%	0.090%
261	16.761	16.681	16.817	VV	3602	171037	4.77%	0.149%
262	16.831	16.817	16.841	VV	1876	25665	0.72%	0.022%
263	16.861	16.841	16.874	VV	2004	36039	1.01%	0.031%
264	16.980	16.874	17.024	VV	4927	232030	6.48%	0.203%
265	17.067	17.024	17.091	VV	2667	91279	2.55%	0.080%
266	17.153	17.091	17.179	VV	3492	133325	3.72%	0.116%
267	17.202	17.179	17.248	VV	3639	97840	2.73%	0.085%
268	17.265	17.248	17.280	VV	1979	35906	1.00%	0.031%
269	17.305	17.280	17.358	VV	3783	122999	3.43%	0.107%
270	17.364	17.358	17.447	VV	2109	93130	2.60%	0.081%
271	17.482	17.447	17.504	VV	2171	60165	1.68%	0.053%
272	17.524	17.504	17.544	VV	2326	50082	1.40%	0.044%
273	17.569	17.544	17.587	VV	2707	60595	1.69%	0.053%
274	17.634	17.587	17.657	VV	4021	118354	3.30%	0.103%
275	17.674	17.657	17.730	VV	2821	81115	2.26%	0.071%
276	17.772	17.730	17.854	VV	7525	246065	6.87%	0.215%
277	17.873	17.854	17.895	VV	1746	34301	0.96%	0.030%
278	17.929	17.895	17.948	VV	1777	49598	1.38%	0.043%
279	17.970	17.948	18.031	VV	2563	93097	2.60%	0.081%
280	18.058	18.031	18.081	VV	3168	60954	1.70%	0.053%
281	18.137	18.081	18.186	VV	8546	191991	5.36%	0.168%
282	18.204	18.186	18.231	VV	1456	27847	0.78%	0.024%
283	18.297	18.231	18.311	VV	1760	56062	1.56%	0.049%
284	18.354	18.311	18.392	VV	1518	58706	1.64%	0.051%
285	18.467	18.392	18.514	VV	3482	104066	2.90%	0.091%
286	18.558	18.514	18.584	VV	3310	67417	1.88%	0.059%
287	18.606	18.584	18.678	VV	2592	76313	2.13%	0.067%
288	18.694	18.678	18.713	VV	933	17895	0.50%	0.016%
289	18.738	18.713	18.789	VV	1368	44531	1.24%	0.039%
290	18.798	18.789	18.807	VV	835	8541	0.24%	0.007%
291	18.865	18.807	18.927	VV	3403	126640	3.53%	0.111%
292	18.958	18.927	19.011	VV	2105	57727	1.61%	0.050%
293	19.048	19.011	19.061	VV	1598	38485	1.07%	0.034%
294	19.064	19.061	19.094	VV	1690	25052	0.70%	0.022%
295	19.101	19.094	19.126	VV	1153	18241	0.51%	0.016%
296	19.148	19.126	19.194	VV	991	36908	1.03%	0.032%
297	19.258	19.194	19.338	VV	3833	152642	4.26%	0.133%
298	19.361	19.338	19.400	VV	1348	34990	0.98%	0.031%
299	19.538	19.400	19.554	VV	1714	112890	3.15%	0.099%

rteres

300	19.627	19.554	19.647	VV	3446	123602	3.45%	0.108%
301	19.661	19.647	19.714	VV	3250	102262	2.85%	0.089%
302	19.774	19.714	19.820	VV	2571	132691	3.70%	0.116%
303	19.879	19.820	19.900	VV	2754	120612	3.37%	0.105%
304	19.930	19.900	19.944	VV	3299	77647	2.17%	0.068%
305	19.988	19.944	20.016	VV	4161	144463	4.03%	0.126%
306	20.049	20.016	20.091	VV	3764	145909	4.07%	0.127%
307	20.098	20.091	20.113	VV	2996	39850	1.11%	0.035%
308	20.181	20.113	20.210	VV	4137	207454	5.79%	0.181%
309	20.258	20.210	20.307	VV	4166	224302	6.26%	0.196%
310	20.341	20.307	20.418	VV	5049	267866	7.48%	0.234%
311	20.509	20.418	20.531	VV	4353	275636	7.69%	0.241%
312	20.551	20.531	20.634	VV	4433	239129	6.67%	0.209%
313	20.705	20.634	20.754	VV	4114	252487	7.05%	0.221%
314	20.785	20.754	20.796	VV	3487	85361	2.38%	0.075%
315	20.800	20.796	20.838	VV	3429	77907	2.17%	0.068%
316	20.847	20.838	20.985	VV	3267	230292	6.43%	0.201%
317	21.123	20.985	21.203	VV	2882	303785	8.48%	0.265%
318	21.218	21.203	21.351	VV	2227	167866	4.69%	0.147%
319	21.364	21.351	21.394	VV	1554	37801	1.06%	0.033%
320	21.416	21.394	21.444	VV	1587	44206	1.23%	0.039%
321	21.477	21.444	21.511	VV	1581	56038	1.56%	0.049%
322	21.518	21.511	21.526	VV	1286	10900	0.30%	0.010%
323	21.536	21.526	21.558	VV	1240	22752	0.64%	0.020%
324	21.590	21.558	21.636	VV	1594	64533	1.80%	0.056%
325	21.655	21.636	21.741	VV	1296	64708	1.81%	0.057%
326	21.750	21.741	21.784	VV	676	14755	0.41%	0.013%
327	21.824	21.784	21.836	VV	789	19084	0.53%	0.017%
328	21.885	21.836	21.898	VV	923	29522	0.82%	0.026%
329	21.902	21.898	22.044	VV	876	39258	1.10%	0.034%
330	22.055	22.044	22.070	PV	137	832	0.02%	0.001%

Sum of corrected areas: 114502688

Aliphatic EPH 102324.M Wed Oct 30 04:16:32 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5DL		SDG No.:	P4518	
Lab Sample ID:	P4518-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
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
FD048617.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.91		2.02	4.50	mg/kg
Aromatic C12-C16	Aromatic C12-C16	56.9		2.29	6.74	mg/kg
Aromatic C16-C21	Aromatic C16-C21	178		6.47	11.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.2		13.5	18.0	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.62		40 - 140	96%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	8.42		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.61		40 - 140	56%	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:	P4518-05DL	Acq On:	29 Oct 2024 10:46
Client Sample ID:	EX-5-TPH-5DL	Operator:	YP/AJ
Data file:	FD048617.D	Misc:	
Instrument:	FID_D	ALS Vial:	78
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	1923642	10.917	200	ug/ml
Aromatic C12-C16	5.813	8.417	22431984	126.539	300	ug/ml
Aromatic C16-C21	8.418	12.677	65133791	397.563	500	ug/ml
Aromatic C21-C36	12.678	18.081	8227632	53.876	800	ug/ml
Aromatic EPH	4.094	18.081	97717049	588.896		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	1460481	9.62		ug/ml
2-Flurobiphenyl (SURR)	8.221	8.221	826716	8.42		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	956273	5.61		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048617.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 10:46
Operator : YP/AJ
Sample : P4518-05DL 5X
Misc :
ALS Vial : 78 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:39:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.370	1460481	9.622 ug/mlm
Spiked Amount 50.000		Recovery =	19.24%
6) S 2-Flurobiphenyl (SURR)	8.221	826716	8.419 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	16.84%
11) S ortho-Terphenyl (SURR)	11.254	956273	5.614 ug/mlm
Spiked Amount 50.000		Recovery =	11.23%
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048617.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 10:46
Operator : YP/AJ
Sample : P4518-05DL 5X
Misc :
ALS Vial : 78 Sample Multiplier: 1

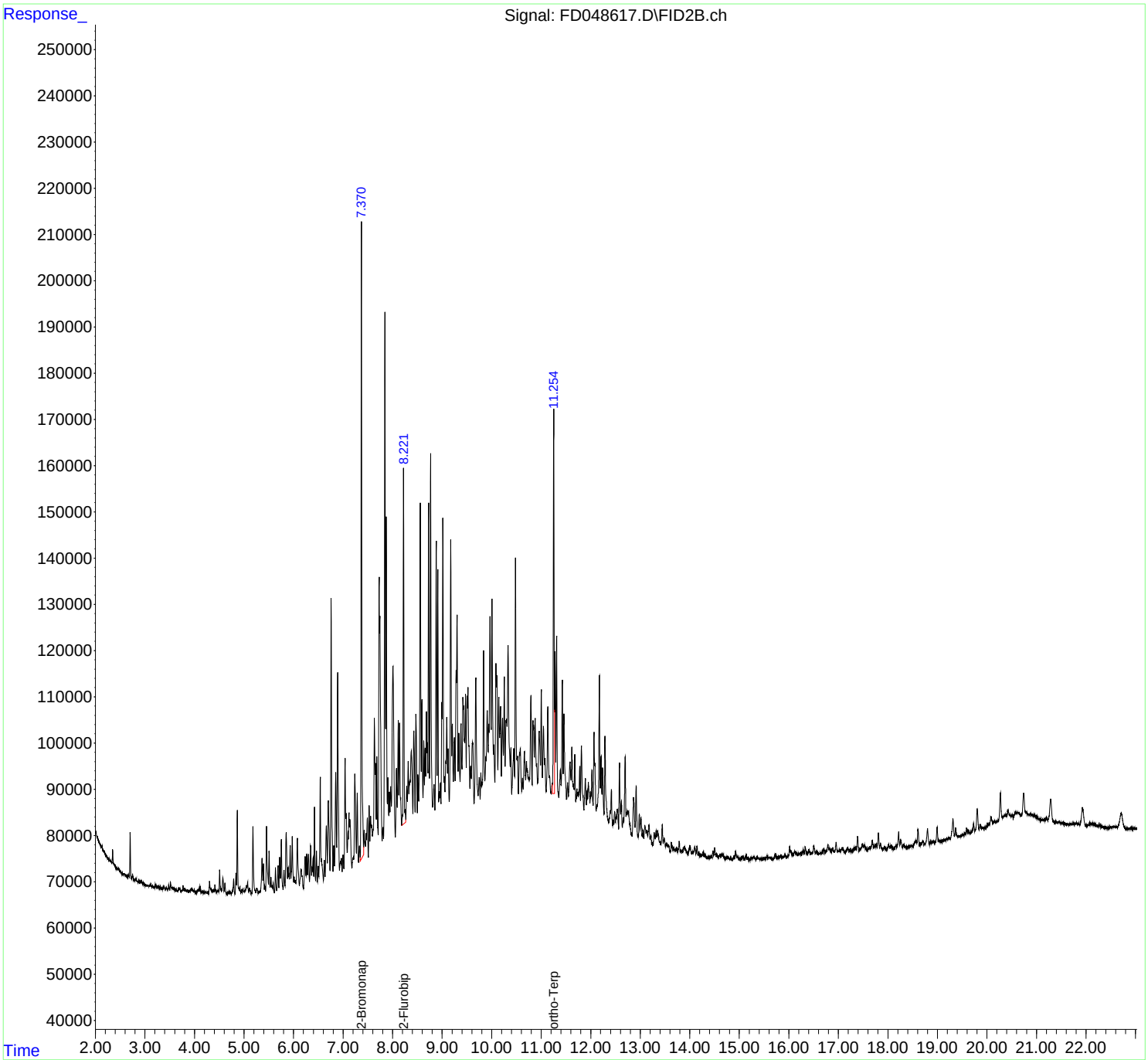
Integration File: autoint1.e
Quant Time: Oct 30 02:39:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

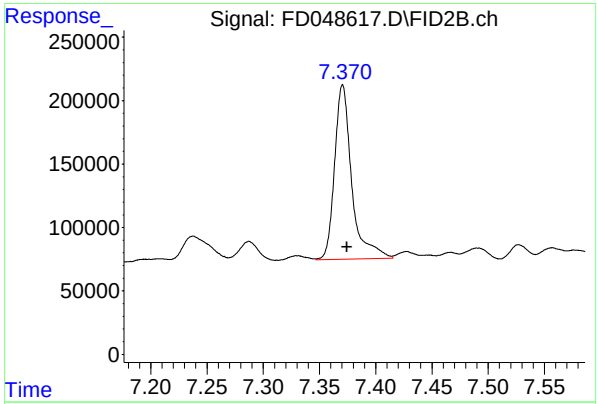
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024





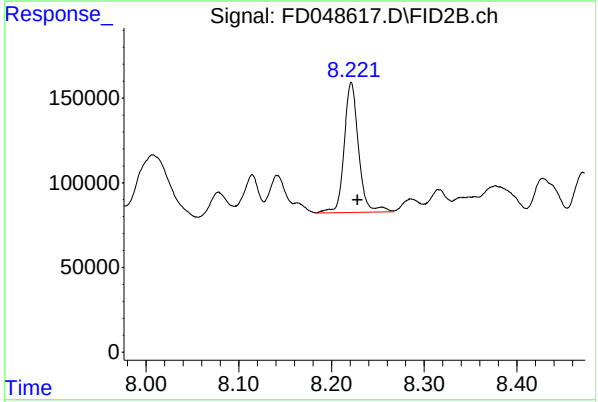
#4 2-Bromonaphthalene (SURR)

R.T.: 7.370 min
Delta R.T.: -0.004 min
Response: 1460481
Conc: 9.62 ug/ml

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

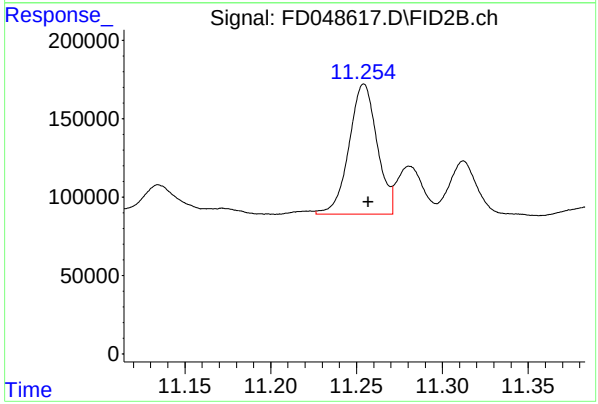
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024



#6 2-Flurobiphenyl (SURR)

R.T.: 8.221 min
Delta R.T.: -0.007 min
Response: 826716
Conc: 8.42 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.254 min
Delta R.T.: -0.003 min
Response: 956273
Conc: 5.61 ug/ml m

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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048617.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 10:46
Sample : P4518-05DL 5X
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.085	4.042	4.098	BV	761	10460	0.61%	0.010%
2	4.113	4.098	4.138	VV	1328	14453	0.84%	0.014%
3	4.147	4.138	4.153	PV	209	1221	0.07%	0.001%
4	4.166	4.153	4.179	VV	573	4216	0.25%	0.004%
5	4.195	4.179	4.217	VV	270	3714	0.22%	0.004%
6	4.229	4.217	4.248	VV	424	4236	0.25%	0.004%
7	4.273	4.257	4.287	VV	518	2898	0.17%	0.003%
8	4.304	4.287	4.320	PV	2706	29143	1.70%	0.029%
9	4.326	4.320	4.336	VV	1138	10003	0.58%	0.010%
10	4.342	4.336	4.369	VV	957	14421	0.84%	0.014%
11	4.385	4.369	4.397	VV	977	11726	0.68%	0.012%
12	4.412	4.397	4.425	VV	2004	19642	1.14%	0.019%
13	4.434	4.425	4.451	VV	942	10268	0.60%	0.010%
14	4.465	4.451	4.482	VV	799	12034	0.70%	0.012%
15	4.486	4.482	4.492	VV	735	3327	0.19%	0.003%
16	4.508	4.492	4.544	VV	5295	66044	3.85%	0.066%
17	4.573	4.544	4.599	VV	3495	61749	3.60%	0.061%
18	4.615	4.599	4.649	VV	2422	30954	1.80%	0.031%
19	4.661	4.649	4.672	PV	441	4010	0.23%	0.004%
20	4.680	4.672	4.696	VV	470	5316	0.31%	0.005%
21	4.707	4.696	4.722	VV	735	7649	0.45%	0.008%
22	4.731	4.722	4.744	VV	351	3110	0.18%	0.003%
23	4.765	4.744	4.773	VV	917	8546	0.50%	0.008%
24	4.791	4.773	4.817	VV	3253	37432	2.18%	0.037%
25	4.838	4.817	4.849	PV	4533	43556	2.54%	0.043%
26	4.865	4.849	4.905	VV	18257	192279	11.20%	0.191%
27	4.917	4.905	4.936	VV	1583	17753	1.03%	0.018%
28	4.953	4.936	4.962	VV	651	7425	0.43%	0.007%
29	4.979	4.962	4.993	VV	1253	14570	0.85%	0.014%
30	5.004	4.993	5.010	VV	676	5741	0.33%	0.006%
31	5.022	5.010	5.029	VV	853	7671	0.45%	0.008%
32	5.047	5.029	5.058	VV	1779	24097	1.40%	0.024%
33	5.073	5.058	5.093	VV	2499	31248	1.82%	0.031%
34	5.107	5.093	5.144	VV	1118	20156	1.17%	0.020%
35	5.155	5.144	5.164	PV	219	1607	0.09%	0.002%
36	5.180	5.164	5.219	VV	14475	166353	9.69%	0.165%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

37	5.222	5.219	5.237	VV	759	5867	0.34%	0.006%
38	5.260	5.237	5.287	VV	1186	18667	1	
39	5.305	5.287	5.316	VV	387	4413	0	
40	5.364	5.316	5.382	VV	7595	113036	6	
41	5.394	5.382	5.410	VV	6369	64912	3	
42	5.422	5.410	5.436	VV	1475	16506	0	
43	5.455	5.436	5.493	VV	14388	204975	11.94%	0.203%
44	5.507	5.493	5.532	VV	9063	96913	5.65%	0.096%
45	5.545	5.532	5.560	VV	3388	37053	2.16%	0.037%
46	5.567	5.560	5.578	VV	1595	14101	0.82%	0.014%
47	5.590	5.578	5.615	VV	2158	24786	1.44%	0.025%
48	5.636	5.615	5.660	PV	5390	57691	3.36%	0.057%
49	5.688	5.660	5.703	VV	5813	72501	4.22%	0.072%
50	5.720	5.703	5.736	VV	7545	88990	5.18%	0.088%
51	5.753	5.736	5.789	VV	11369	147123	8.57%	0.146%
52	5.808	5.789	5.827	VV	4710	57540	3.35%	0.057%
53	5.851	5.827	5.879	VV	12760	216284	12.60%	0.215%
54	5.891	5.879	5.904	VV	5289	62119	3.62%	0.062%
55	5.909	5.904	5.918	VV	3504	26842	1.56%	0.027%
56	5.932	5.918	5.948	VV	9893	108023	6.29%	0.107%
57	5.974	5.948	6.004	VV	11941	186698	10.88%	0.185%
58	6.014	6.004	6.026	VV	3166	34296	2.00%	0.034%
59	6.032	6.026	6.047	VV	2342	26146	1.52%	0.026%
60	6.077	6.047	6.119	VV	11422	216873	12.63%	0.215%
61	6.151	6.119	6.204	VV	4727	136515	7.95%	0.135%
62	6.236	6.204	6.250	VV	7422	125219	7.29%	0.124%
63	6.267	6.250	6.281	VV	7941	106098	6.18%	0.105%
64	6.302	6.281	6.322	VV	7801	130823	7.62%	0.130%
65	6.346	6.322	6.364	VV	9545	142706	8.31%	0.142%
66	6.376	6.364	6.382	VV	4689	45830	2.67%	0.045%
67	6.395	6.382	6.408	VV	7076	84768	4.94%	0.084%
68	6.423	6.408	6.447	VV	17966	193814	11.29%	0.192%
69	6.463	6.447	6.482	VV	8399	100259	5.84%	0.100%
70	6.499	6.482	6.511	VV	5068	61520	3.58%	0.061%
71	6.540	6.511	6.557	VV	24420	309797	18.05%	0.307%
72	6.563	6.557	6.604	VV	6716	132872	7.74%	0.132%
73	6.622	6.604	6.637	VV	6268	80747	4.70%	0.080%
74	6.661	6.637	6.683	VV	13673	244039	14.22%	0.242%
75	6.701	6.683	6.737	VV	19160	376261	21.92%	0.373%
76	6.760	6.737	6.797	VV	62680	815465	47.50%	0.809%
77	6.811	6.797	6.826	VV	9363	117282	6.83%	0.116%
78	6.853	6.826	6.871	VV	25188	392826	22.88%	0.390%
79	6.891	6.871	6.928	VV	46644	701803	40.88%	0.697%
80	6.950	6.928	6.957	VV	5906	92077	5.36%	0.091%
81	6.968	6.957	6.982	VV	6515	81410	4.74%	0.081%
82	6.999	6.982	7.019	VV	7116	120335	7.01%	0.119%
83	7.041	7.019	7.055	VV	28086	359964	20.97%	0.357%
84	7.063	7.055	7.084	VV	15868	220576	12.85%	0.219%
85	7.099	7.084	7.106	VV	12262	135293	7.88%	0.134%
86	7.119	7.106	7.129	VV	16211	188008	10.95%	0.187%
87	7.139	7.129	7.179	VV	14756	304953	17.76%	0.303%
88	7.209	7.179	7.217	VV	6609	133938	7.80%	0.133%
89	7.238	7.217	7.269	VV	24445	481706	28.06%	0.478%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

90	7.287	7.269	7.314	VV	20285	312698	18.21%	0.310%
91	7.330	7.314	7.346	VV	8898	144851	8	
92	7.371	7.346	7.414	VV	143709	1716748	100	
93	7.427	7.414	7.441	VV	12214	170293	9	
94	7.446	7.441	7.454	VV	9316	66685	3	
95	7.467	7.454	7.475	VV	11576	131992	7	
96	7.491	7.475	7.510	VV	14877	248246	14.46%	0.246%
97	7.527	7.510	7.542	VV	17491	237677	13.84%	0.236%
98	7.557	7.542	7.572	VV	15128	234471	13.66%	0.233%
99	7.577	7.572	7.593	VV	13196	159010	9.26%	0.158%
100	7.633	7.593	7.650	VV	36146	694296	40.44%	0.689%
101	7.656	7.650	7.670	VV	26525	267663	15.59%	0.266%
102	7.683	7.670	7.709	VV	27978	416447	24.26%	0.413%
103	7.729	7.709	7.737	VV	66717	707335	41.20%	0.702%
104	7.743	7.737	7.789	VV	58341	1001757	58.35%	0.994%
105	7.806	7.789	7.818	VV	12577	192741	11.23%	0.191%
106	7.845	7.818	7.860	VV	123851	1469268	85.58%	1.458%
107	7.872	7.860	7.893	VV	79753	930011	54.17%	0.923%
108	7.906	7.893	7.922	VV	23236	338056	19.69%	0.336%
109	7.936	7.922	7.947	VV	20057	270919	15.78%	0.269%
110	7.960	7.947	7.977	VV	21281	341872	19.91%	0.339%
111	8.007	7.977	8.057	VV	47182	1358270	79.12%	1.348%
112	8.078	8.057	8.095	VV	25196	428151	24.94%	0.425%
113	8.115	8.095	8.127	VV	35425	491670	28.64%	0.488%
114	8.142	8.127	8.183	VV	34829	738471	43.02%	0.733%
115	8.221	8.183	8.247	VV	89929	1295991	75.49%	1.286%
116	8.254	8.247	8.267	VV	16177	183131	10.67%	0.182%
117	8.286	8.267	8.299	VV	21032	357492	20.82%	0.355%
118	8.316	8.299	8.330	VV	26490	410873	23.93%	0.408%
119	8.377	8.330	8.410	VV	28704	1116705	65.05%	1.108%
120	8.428	8.410	8.454	VV	32902	658354	38.35%	0.653%
121	8.472	8.454	8.499	VV	36451	714659	41.63%	0.709%
122	8.512	8.499	8.527	VV	23431	340967	19.86%	0.338%
123	8.559	8.527	8.579	VV	82421	1318438	76.80%	1.309%
124	8.593	8.579	8.615	VV	39639	618934	36.05%	0.614%
125	8.631	8.615	8.644	VV	30762	430783	25.09%	0.428%
126	8.658	8.644	8.669	VV	29139	388588	22.64%	0.386%
127	8.684	8.669	8.695	VV	37023	482291	28.09%	0.479%
128	8.702	8.695	8.712	VV	30352	275660	16.06%	0.274%
129	8.728	8.712	8.744	VV	82244	949461	55.31%	0.942%
130	8.768	8.744	8.815	VV	92250	1631971	95.06%	1.620%
131	8.838	8.815	8.856	VV	21101	457115	26.63%	0.454%
132	8.882	8.856	8.898	VV	73802	1036991	60.40%	1.029%
133	8.914	8.898	8.933	VV	67668	830712	48.39%	0.825%
134	8.943	8.933	8.954	VV	19529	232302	13.53%	0.231%
135	8.965	8.954	8.977	VV	21383	274927	16.01%	0.273%
136	8.995	8.977	9.001	VV	38750	425405	24.78%	0.422%
137	9.016	9.001	9.037	VV	78568	1067915	62.21%	1.060%
138	9.045	9.037	9.057	VV	22674	253978	14.79%	0.252%
139	9.095	9.057	9.109	VV	35507	833889	48.57%	0.828%
140	9.121	9.109	9.144	VV	28569	498217	29.02%	0.495%
141	9.175	9.144	9.194	VV	73867	1201911	70.01%	1.193%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.207	9.194	9.227	VV	34009	568451	33.11%	0.564%
143	9.248	9.227	9.264	VV	30986	571554	33	
144	9.284	9.264	9.290	VV	45453	571265	33	
145	9.303	9.290	9.323	VV	57618	829471	48	
146	9.340	9.323	9.363	VV	31878	642193	37	
147	9.381	9.363	9.402	VV	33903	643246	37	
148	9.421	9.402	9.459	VV	39365	1118103	65.13%	1.110%
149	9.473	9.459	9.488	VV	40230	583478	33.99%	0.579%
150	9.504	9.488	9.513	VV	39774	523738	30.51%	0.520%
151	9.523	9.513	9.562	VV	41591	906845	52.82%	0.900%
152	9.575	9.562	9.591	VV	24607	399342	23.26%	0.396%
153	9.612	9.591	9.645	VV	29754	822975	47.94%	0.817%
154	9.681	9.645	9.729	VV	43679	1294733	75.42%	1.285%
155	9.750	9.729	9.769	VV	21986	483539	28.17%	0.480%
156	9.783	9.769	9.797	VV	22940	345905	20.15%	0.343%
157	9.838	9.797	9.864	VV	49376	1140333	66.42%	1.132%
158	9.885	9.864	9.891	VV	26485	390689	22.76%	0.388%
159	9.912	9.891	9.929	VV	36294	725430	42.26%	0.720%
160	9.942	9.929	9.949	VV	33341	368689	21.48%	0.366%
161	9.968	9.949	9.991	VV	56685	1083782	63.13%	1.076%
162	10.008	9.991	10.037	VV	60544	1140593	66.44%	1.132%
163	10.046	10.037	10.065	VV	28864	441947	25.74%	0.439%
164	10.088	10.065	10.100	VV	46387	756221	44.05%	0.751%
165	10.107	10.100	10.126	VV	43730	552345	32.17%	0.548%
166	10.145	10.126	10.162	VV	39028	705558	41.10%	0.700%
167	10.181	10.162	10.197	VV	37029	663595	38.65%	0.659%
168	10.219	10.197	10.238	VV	34431	725483	42.26%	0.720%
169	10.257	10.238	10.273	VV	43485	685644	39.94%	0.681%
170	10.291	10.273	10.299	VV	33923	476897	27.78%	0.473%
171	10.304	10.299	10.313	VV	34247	286668	16.70%	0.285%
172	10.332	10.313	10.376	VV	50099	1356001	78.99%	1.346%
173	10.389	10.376	10.405	VV	28026	420127	24.47%	0.417%
174	10.448	10.405	10.463	VV	27774	815260	47.49%	0.809%
175	10.482	10.463	10.510	VV	68923	1127525	65.68%	1.119%
176	10.523	10.510	10.541	VV	25858	440481	25.66%	0.437%
177	10.564	10.541	10.570	VV	26896	400762	23.34%	0.398%
178	10.580	10.570	10.609	VV	27738	548569	31.95%	0.544%
179	10.623	10.609	10.639	VV	21183	356152	20.75%	0.353%
180	10.662	10.639	10.689	VV	27029	702057	40.89%	0.697%
181	10.704	10.689	10.744	VV	24748	748035	43.57%	0.742%
182	10.793	10.744	10.817	VV	38908	1176451	68.53%	1.168%
183	10.835	10.817	10.864	VV	33361	801646	46.70%	0.796%
184	10.878	10.864	10.905	VV	34040	710513	41.39%	0.705%
185	10.909	10.905	10.937	VV	24217	420468	24.49%	0.417%
186	10.960	10.937	10.987	VV	31115	816690	47.57%	0.811%
187	11.003	10.987	11.026	VV	40009	693403	40.39%	0.688%
188	11.048	11.026	11.067	VV	32172	668371	38.93%	0.663%
189	11.077	11.067	11.100	VV	25064	435580	25.37%	0.432%
190	11.135	11.100	11.169	VV	36287	1029110	59.95%	1.021%
191	11.172	11.169	11.203	VV	21439	393758	22.94%	0.391%
192	11.254	11.203	11.271	VV	100690	1671621	97.37%	1.659%
193	11.281	11.271	11.297	VV	48162	598455	34.86%	0.594%
194	11.312	11.297	11.357	VV	51532	1003999	58.48%	0.997%

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

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

195	11.388	11.357	11.405	VV	22509	581408	33.87%	0.577%
196	11.428	11.405	11.446	VV	41946	711551	41	
197	11.461	11.446	11.512	VV	34626	943857	54	
198	11.534	11.512	11.550	VV	19597	410917	23	
199	11.583	11.550	11.603	VV	24000	666033	38	
200	11.620	11.603	11.647	VV	27232	584422	34	
201	11.652	11.647	11.664	VV	19152	186617	10.87%	0.185%
202	11.680	11.664	11.699	VV	25682	428662	24.97%	0.425%
203	11.722	11.699	11.750	VV	18101	517715	30.16%	0.514%
204	11.757	11.750	11.762	VV	17525	127816	7.45%	0.127%
205	11.780	11.762	11.794	VV	23029	375498	21.87%	0.373%
206	11.814	11.794	11.863	VV	27427	797871	46.48%	0.792%
207	11.893	11.863	11.914	VV	20212	509735	29.69%	0.506%
208	11.927	11.914	11.939	VV	17606	245823	14.32%	0.244%
209	11.954	11.939	11.986	VV	19312	498457	29.03%	0.495%
210	11.998	11.986	12.007	VV	17300	201386	11.73%	0.200%
211	12.024	12.007	12.049	VV	22037	450759	26.26%	0.447%
212	12.067	12.049	12.081	VV	30150	447339	26.06%	0.444%
213	12.085	12.081	12.111	VV	23486	326705	19.03%	0.324%
214	12.175	12.111	12.194	VV	42402	1070212	62.34%	1.062%
215	12.211	12.194	12.227	VV	24866	419072	24.41%	0.416%
216	12.241	12.227	12.269	VV	22317	441066	25.69%	0.438%
217	12.288	12.269	12.360	VV	29221	880754	51.30%	0.874%
218	12.396	12.360	12.402	VV	12947	292494	17.04%	0.290%
219	12.417	12.402	12.443	VV	17522	335905	19.57%	0.333%
220	12.454	12.443	12.464	VV	10808	127900	7.45%	0.127%
221	12.483	12.464	12.502	VV	12640	261384	15.23%	0.259%
222	12.533	12.502	12.562	VV	13246	424056	24.70%	0.421%
223	12.582	12.562	12.605	VV	23187	401529	23.39%	0.399%
224	12.620	12.605	12.640	VV	14884	261724	15.25%	0.260%
225	12.660	12.640	12.667	VV	11197	169531	9.88%	0.168%
226	12.695	12.667	12.714	VV	24443	464795	27.07%	0.461%
227	12.727	12.714	12.734	VV	12470	143058	8.33%	0.142%
228	12.740	12.734	12.751	VV	12627	130229	7.59%	0.129%
229	12.765	12.751	12.789	VV	12588	258622	15.06%	0.257%
230	12.793	12.789	12.816	VV	9934	144416	8.41%	0.143%
231	12.822	12.816	12.835	VV	7742	88131	5.13%	0.087%
232	12.868	12.835	12.897	VV	15451	428320	24.95%	0.425%
233	12.919	12.897	12.955	VV	17823	396453	23.09%	0.393%
234	12.982	12.955	12.997	VV	11735	229620	13.38%	0.228%
235	13.015	12.997	13.040	VV	10992	240073	13.98%	0.238%
236	13.055	13.040	13.074	VV	8264	150784	8.78%	0.150%
237	13.094	13.074	13.118	VV	9264	219379	12.78%	0.218%
238	13.134	13.118	13.150	VV	8219	150432	8.76%	0.149%
239	13.176	13.150	13.197	VV	9309	221230	12.89%	0.220%
240	13.212	13.197	13.238	VV	6999	152673	8.89%	0.152%
241	13.246	13.238	13.262	VV	5369	74305	4.33%	0.074%
242	13.283	13.262	13.304	VV	7616	165337	9.63%	0.164%
243	13.320	13.304	13.334	VV	8048	128781	7.50%	0.128%
244	13.350	13.334	13.392	VV	8061	237506	13.83%	0.236%
245	13.403	13.392	13.419	VV	5515	84825	4.94%	0.084%
246	13.443	13.419	13.467	VV	9201	194063	11.30%	0.193%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.484	13.467	13.512	VV	6253	148284	8.64%	0.147%
248	13.527	13.512	13.545	VV	5113	95874	5	
249	13.549	13.545	13.569	VV	4780	64338	3	
250	13.575	13.569	13.604	VV	4527	81955	4	
251	13.632	13.604	13.664	VV	5146	148604	8	
252	13.680	13.664	13.698	VV	3971	75419	4	
253	13.703	13.698	13.722	VV	3660	51682	3.01%	0.051%
254	13.739	13.722	13.750	VV	4030	61967	3.61%	0.062%
255	13.787	13.750	13.808	VV	5389	136785	7.97%	0.136%
256	13.819	13.808	13.830	VV	3371	42990	2.50%	0.043%
257	13.835	13.830	13.850	VV	3255	37088	2.16%	0.037%
258	13.890	13.850	13.960	VV	4120	221544	12.90%	0.220%
259	13.991	13.960	13.995	VV	3762	66520	3.87%	0.066%
260	14.005	13.995	14.038	VV	3990	88627	5.16%	0.088%
261	14.048	14.038	14.053	VV	2757	23698	1.38%	0.024%
262	14.072	14.053	14.078	VV	2932	42793	2.49%	0.042%
263	14.100	14.078	14.125	VV	3963	90765	5.29%	0.090%
264	14.143	14.125	14.163	VV	3983	73907	4.31%	0.073%
265	14.179	14.163	14.208	VV	2611	60564	3.53%	0.060%
266	14.215	14.208	14.222	VV	2088	16949	0.99%	0.017%
267	14.231	14.222	14.239	VV	2247	21212	1.24%	0.021%
268	14.264	14.239	14.290	VV	2608	68432	3.99%	0.068%
269	14.305	14.290	14.327	VV	2248	42685	2.49%	0.042%
270	14.330	14.327	14.339	VV	1729	10509	0.61%	0.010%
271	14.344	14.339	14.350	VV	1456	9265	0.54%	0.009%
272	14.355	14.350	14.359	VV	1380	7458	0.43%	0.007%
273	14.369	14.359	14.394	VV	1623	29445	1.72%	0.029%
274	14.400	14.394	14.417	VV	1642	20521	1.20%	0.020%
275	14.428	14.417	14.447	VV	1723	27713	1.61%	0.028%
276	14.467	14.447	14.484	VV	2710	48104	2.80%	0.048%
277	14.499	14.484	14.527	VV	3442	65236	3.80%	0.065%
278	14.545	14.527	14.577	VV	2147	50407	2.94%	0.050%
279	14.608	14.577	14.628	VV	1998	48928	2.85%	0.049%
280	14.647	14.628	14.658	VV	2019	31534	1.84%	0.031%
281	14.668	14.658	14.723	VV	1949	53378	3.11%	0.053%
282	14.736	14.723	14.747	VV	1322	15454	0.90%	0.015%
283	14.765	14.747	14.808	VV	1377	39561	2.30%	0.039%
284	14.825	14.808	14.846	VV	1268	18980	1.11%	0.019%
285	14.857	14.846	14.870	VV	864	10360	0.60%	0.010%
286	14.891	14.870	14.904	VV	1300	21366	1.24%	0.021%
287	14.923	14.904	14.957	VV	2441	51673	3.01%	0.051%
288	14.972	14.957	14.990	VV	1299	20717	1.21%	0.021%
289	14.998	14.990	15.006	VV	671	5414	0.32%	0.005%
290	15.013	15.006	15.023	VV	796	7412	0.43%	0.007%
291	15.047	15.023	15.051	VV	886	13140	0.77%	0.013%
292	15.072	15.051	15.112	VV	1303	28862	1.68%	0.029%
293	15.133	15.112	15.163	VV	1455	29239	1.70%	0.029%
294	15.175	15.163	15.198	VV	1003	13423	0.78%	0.013%
295	15.208	15.198	15.217	VV	545	5146	0.30%	0.005%
296	15.237	15.217	15.241	VV	750	8228	0.48%	0.008%
297	15.248	15.241	15.267	VV	839	10521	0.61%	0.010%
298	15.295	15.267	15.320	VV	944	24019	1.40%	0.024%
299	15.324	15.320	15.340	VV	540	5554	0.32%	0.006%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
300	15.359	15.340	15.373	VV	731	12451	0.73%	0.012%
301	15.379	15.373	15.400	VV	728	9274		
302	15.417	15.400	15.439	VV	542	9525		
303	15.446	15.439	15.466	VV	532	5772		
304	15.492	15.466	15.502	PV	636	8238		
305	15.517	15.502	15.529	VV	706	6514		
306	15.533	15.529	15.537	VV	482	1834	0.11%	0.002%
307	15.561	15.537	15.589	VV	1077	19712	1.15%	0.020%
308	15.607	15.589	15.636	VV	640	14193	0.83%	0.014%
309	15.641	15.636	15.651	VV	525	2612	0.15%	0.003%
310	15.662	15.651	15.675	VV	285	2251	0.13%	0.002%
311	15.728	15.675	15.747	PV	1207	24843	1.45%	0.025%
312	15.752	15.747	15.759	VV	380	2365	0.14%	0.002%
313	15.769	15.759	15.774	VV	586	4259	0.25%	0.004%
314	15.779	15.774	15.784	VV	488	2867	0.17%	0.003%
315	15.787	15.784	15.794	VV	480	2165	0.13%	0.002%
316	15.803	15.794	15.810	VV	607	4770	0.28%	0.005%
317	15.814	15.810	15.820	VV	533	3327	0.19%	0.003%
318	15.831	15.820	15.838	VV	793	6825	0.40%	0.007%
319	15.845	15.838	15.853	VV	827	5729	0.33%	0.006%
320	15.858	15.853	15.863	VV	671	3547	0.21%	0.004%
321	15.870	15.863	15.874	VV	590	3071	0.18%	0.003%
322	15.879	15.874	15.889	VV	514	3851	0.22%	0.004%
323	15.894	15.889	15.899	VV	462	2253	0.13%	0.002%
324	15.928	15.899	15.954	VV	951	19870	1.16%	0.020%
325	16.016	15.954	16.030	VV	2522	47804	2.78%	0.047%
326	16.039	16.030	16.082	VV	1771	36533	2.13%	0.036%
327	16.087	16.082	16.092	VV	784	4396	0.26%	0.004%
328	16.114	16.092	16.130	VV	1587	26439	1.54%	0.026%
329	16.137	16.130	16.147	VV	1058	10584	0.62%	0.011%
330	16.152	16.147	16.171	VV	1151	11785	0.69%	0.012%
331	16.193	16.171	16.207	VV	996	16551	0.96%	0.016%
332	16.222	16.207	16.229	VV	1012	11901	0.69%	0.012%
333	16.235	16.229	16.254	VV	1039	11219	0.65%	0.011%
334	16.291	16.254	16.309	VV	1726	35865	2.09%	0.036%
335	16.329	16.309	16.370	VV	2235	46550	2.71%	0.046%
336	16.401	16.370	16.445	VV	1586	43730	2.55%	0.043%
337	16.449	16.445	16.453	VV	733	2786	0.16%	0.003%
338	16.478	16.453	16.481	VV	882	12497	0.73%	0.012%
339	16.505	16.481	16.532	VV	2448	45814	2.67%	0.045%
340	16.551	16.532	16.570	VV	940	17432	1.02%	0.017%
341	16.576	16.570	16.595	VV	939	10523	0.61%	0.010%
342	16.600	16.595	16.609	VV	684	4244	0.25%	0.004%
343	16.613	16.609	16.630	VV	521	5777	0.34%	0.006%
344	16.642	16.630	16.648	VV	782	6604	0.38%	0.007%
345	16.675	16.648	16.680	VV	936	12663	0.74%	0.013%
346	16.710	16.680	16.729	VV	1532	32081	1.87%	0.032%
347	16.790	16.729	16.810	VV	2239	61805	3.60%	0.061%
348	16.819	16.810	16.847	VV	1528	24596	1.43%	0.024%
349	16.882	16.847	16.913	VV	1549	39450	2.30%	0.039%
350	16.919	16.913	16.925	VV	843	4911	0.29%	0.005%
351	16.952	16.925	16.977	VV	2703	45831	2.67%	0.045%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
352	16.983	16.977	16.985	VV	754	3289	0.19%	0.003%
353	16.991	16.985	17.007	VV	810	8788	0	
354	17.020	17.007	17.029	VV	1034	9959	0	
355	17.034	17.029	17.049	VV	750	8353	0	
356	17.070	17.049	17.086	VV	1337	23719	1	
357	17.093	17.086	17.112	VV	1306	15061	0	
358	17.119	17.112	17.126	VV	541	4021	0.23%	0.004%
359	17.132	17.126	17.150	VV	613	6708	0.39%	0.007%
360	17.162	17.150	17.169	VV	715	6664	0.39%	0.007%
361	17.187	17.169	17.219	VV	1290	26135	1.52%	0.026%
362	17.243	17.219	17.269	VV	1175	17766	1.03%	0.018%
363	17.284	17.269	17.296	VV	685	8762	0.51%	0.009%
364	17.319	17.296	17.334	VV	1121	17727	1.03%	0.018%
365	17.350	17.334	17.361	VV	1191	16397	0.96%	0.016%
366	17.387	17.361	17.419	VV	3520	59006	3.44%	0.059%
367	17.435	17.419	17.450	VV	832	12002	0.70%	0.012%
368	17.482	17.450	17.502	VV	1779	39066	2.28%	0.039%
369	17.527	17.502	17.580	VV	1632	45449	2.65%	0.045%
370	17.584	17.580	17.589	VV	462	1943	0.11%	0.002%
371	17.600	17.589	17.624	VV	850	14708	0.86%	0.015%
372	17.629	17.624	17.650	VV	1032	14024	0.82%	0.014%
373	17.682	17.650	17.722	VV	2406	58472	3.41%	0.058%
374	17.740	17.722	17.758	VV	1441	24286	1.41%	0.024%
375	17.770	17.758	17.784	VV	1396	18434	1.07%	0.018%
376	17.807	17.784	17.832	VV	3914	64978	3.78%	0.064%
377	17.851	17.832	17.877	VV	1574	27406	1.60%	0.027%
378	17.882	17.877	17.904	VV	625	6216	0.36%	0.006%
379	17.936	17.904	17.956	VV	778	15501	0.90%	0.015%
380	17.962	17.956	17.966	VV	385	1609	0.09%	0.002%
381	17.971	17.966	17.980	VV	365	2044	0.12%	0.002%
382	18.012	17.980	18.037	PV	1258	23369	1.36%	0.023%
383	18.065	18.037	18.082	VV	944	16000	0.93%	0.016%
384	18.091	18.082	18.107	VV	513	4970	0.29%	0.005%
385	18.122	18.107	18.127	PV	283	1700	0.10%	0.002%
386	18.168	18.127	18.182	PV	575	8010	0.47%	0.008%
387	18.217	18.182	18.237	VV	3133	41390	2.41%	0.041%

Sum of corrected areas: 100751189

Aromatic EPH 102324.M Wed Oct 30 03:23:46 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-05DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
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
FC067559.D	20	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	22.6	J	10.3	27.0	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	201		6.47	18.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	208		8.09	27.0	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	20.1	J	21.6	36.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.2	J	48.6	53.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.91		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05DL2	Acq On:	29 Oct 2024 13:15
Client Sample ID:	EX-5-TPH-5DL2	Operator:	YP/AJ
Data file:	FC067559.D	Misc:	
Instrument:	FID_C	ALS Vial:	33
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	1702872	12.57	300	ug/ml
Aliphatic C12-C16	6.454	9.842	14748799	112.003	200	ug/ml
Aliphatic C16-C21	9.843	13.200	14783146	116.188	300	ug/ml
Aliphatic C21-C28	13.201	16.853	1341448	11.17	400	ug/ml
Aliphatic C28-C40	16.854	21.695	2426613	24.004	600	ug/ml
Aliphatic EPH	3.173	21.695	35002878	275.935		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	205823	1.91		ug/ml
Aliphatic C9-C28	3.173	16.853	32576265	251.931	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067559.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 13:15
Operator : YP/AJ
Sample : P4518-05DL2 20X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-5DL2

Integration File: sample.E
Quant Time: Oct 30 03:47:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.930	205823	1.906 ug/mlm
Spiked Amount 50.000		Recovery =	3.81%
Target Compounds			

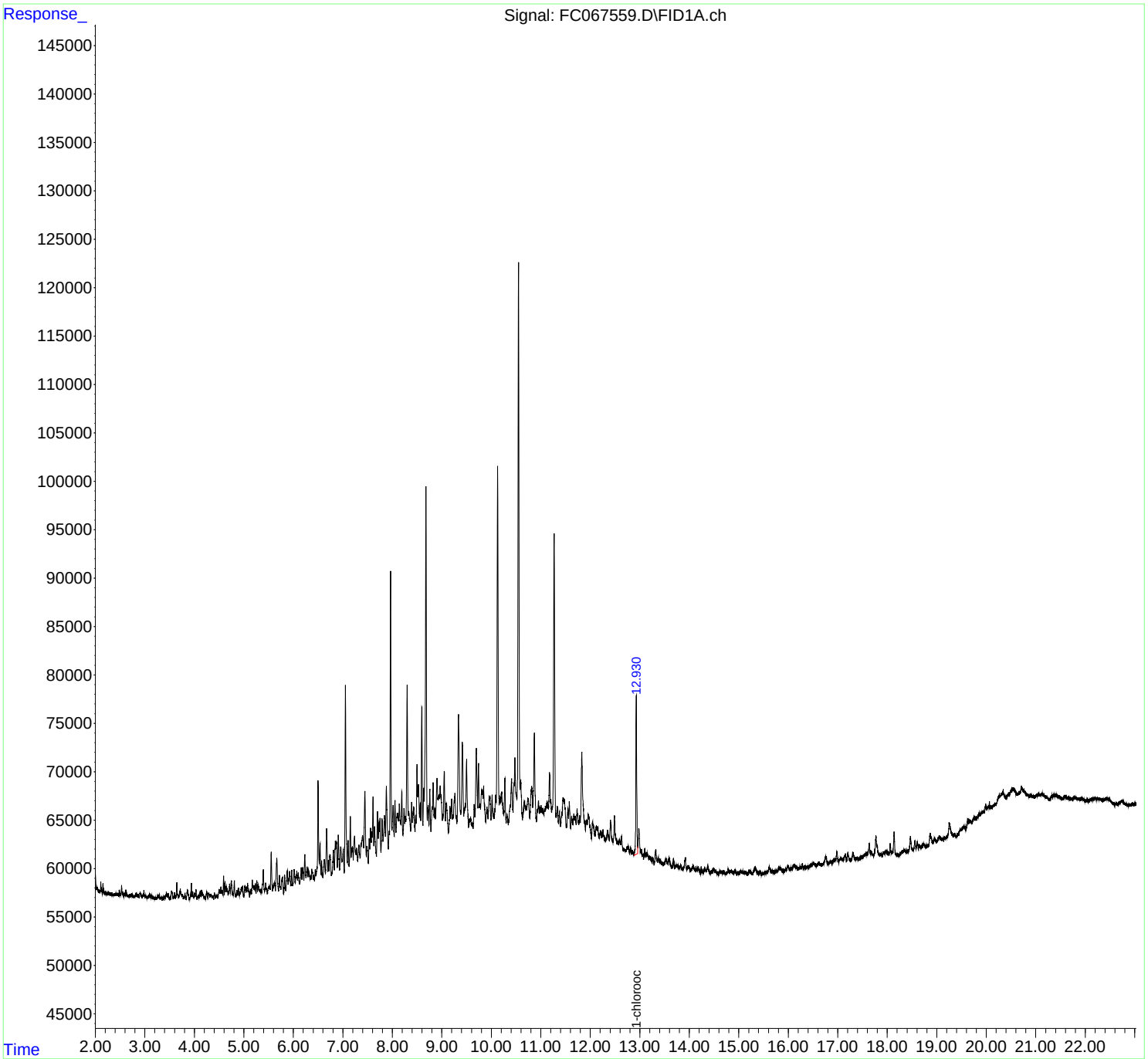
(f)=RT Delta > 1/2 Window (m)=manual int.

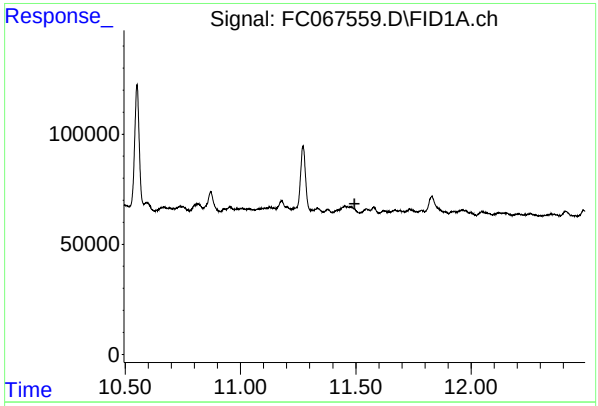
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067559.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 13:15
Operator : YP/AJ
Sample : P4518-05DL2 20X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-5DL2

Integration File: sample.E
Quant Time: Oct 30 03:47:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

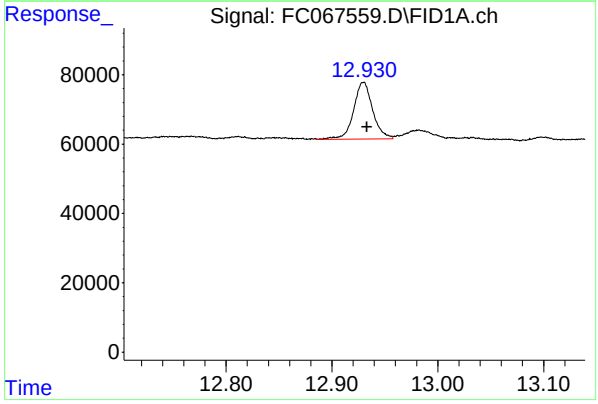




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EX-5-TPH-5DL2



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: -0.003 min
Response: 205823
Conc: 1.91 ug/ml m

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067559.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 13:15
Sample : P4518-05DL2 20X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.267	3.188	3.280	BV	288	3386	0.31%	0.010%
2	3.291	3.280	3.388	VV	419	4657	0.43%	0.013%
3	3.397	3.388	3.410	PV	287	2525	0.23%	0.007%
4	3.436	3.410	3.462	VV	635	11073	1.02%	0.031%
5	3.473	3.462	3.501	VV	468	6009	0.55%	0.017%
6	3.511	3.501	3.520	VV	136	1107	0.10%	0.003%
7	3.539	3.520	3.578	VV	810	14466	1.33%	0.041%
8	3.599	3.578	3.623	VV	584	8368	0.77%	0.024%
9	3.645	3.623	3.685	VV	1692	22978	2.11%	0.065%
10	3.718	3.685	3.756	VV	926	22515	2.06%	0.064%
11	3.763	3.756	3.778	VV	435	4256	0.39%	0.012%
12	3.789	3.778	3.795	VV	231	1840	0.17%	0.005%
13	3.811	3.795	3.831	VV	601	6107	0.56%	0.017%
14	3.860	3.831	3.902	VV	891	17899	1.64%	0.051%
15	3.940	3.902	3.956	PV	1592	18397	1.69%	0.052%
16	3.968	3.956	3.985	VV	740	7561	0.69%	0.021%
17	4.000	3.985	4.018	VV	590	8074	0.74%	0.023%
18	4.034	4.018	4.055	VV	969	10362	0.95%	0.029%
19	4.076	4.055	4.091	PV	327	4016	0.37%	0.011%
20	4.117	4.091	4.129	VV	808	10339	0.95%	0.029%
21	4.143	4.129	4.224	VV	877	21830	2.00%	0.062%
22	4.252	4.224	4.271	VV	625	9140	0.84%	0.026%
23	4.291	4.271	4.311	VV	595	8057	0.74%	0.023%
24	4.338	4.311	4.389	VV	418	11188	1.03%	0.032%
25	4.407	4.389	4.424	VV	531	5523	0.51%	0.016%
26	4.453	4.424	4.471	VV	199	4172	0.38%	0.012%
27	4.499	4.471	4.519	VV	782	14908	1.37%	0.042%
28	4.536	4.519	4.549	VV	1121	14434	1.32%	0.041%
29	4.559	4.549	4.578	VV	754	9960	0.91%	0.028%
30	4.591	4.578	4.606	VV	2204	20716	1.90%	0.059%
31	4.619	4.606	4.633	VV	1639	17687	1.62%	0.050%
32	4.644	4.633	4.657	VV	1151	13357	1.22%	0.038%
33	4.666	4.657	4.681	VV	976	9644	0.88%	0.027%
34	4.711	4.681	4.727	VV	1348	20744	1.90%	0.059%
35	4.748	4.727	4.788	VV	1653	30299	2.78%	0.086%
36	4.808	4.788	4.834	VV	1701	18917	1.73%	0.054%

rteres

37	4.858	4.834	4.872	VV	679	8205	0.75%	0.023%
38	4.893	4.872	4.911	VV	896	14086	1.29%	0.040%
39	4.922	4.911	4.930	VV	480	4000	0.37%	0.011%
40	4.946	4.930	4.959	VV	952	12258	1.12%	0.035%
41	4.974	4.959	4.999	VV	1098	15522	1.42%	0.044%
42	5.026	4.999	5.041	VV	1148	16888	1.55%	0.048%
43	5.052	5.041	5.062	VV	941	9342	0.86%	0.026%
44	5.077	5.062	5.115	VV	1375	22462	2.06%	0.064%
45	5.143	5.115	5.153	VV	629	9761	0.89%	0.028%
46	5.172	5.153	5.203	VV	1659	31231	2.86%	0.088%
47	5.230	5.203	5.245	VV	1279	23048	2.11%	0.065%
48	5.261	5.245	5.276	VV	1531	18814	1.72%	0.053%
49	5.292	5.276	5.341	VV	1127	29038	2.66%	0.082%
50	5.350	5.341	5.361	VV	608	5840	0.54%	0.017%
51	5.393	5.361	5.419	VV	2702	44778	4.11%	0.127%
52	5.442	5.419	5.476	VV	1168	24207	2.22%	0.069%
53	5.499	5.476	5.511	VV	896	15120	1.39%	0.043%
54	5.517	5.511	5.534	VV	884	11492	1.05%	0.033%
55	5.553	5.534	5.579	VV	4475	61135	5.60%	0.173%
56	5.620	5.579	5.639	VV	1277	35823	3.28%	0.101%
57	5.666	5.639	5.701	VV	3861	73439	6.73%	0.208%
58	5.719	5.701	5.748	VV	2031	32035	2.94%	0.091%
59	5.781	5.748	5.803	VV	1843	37464	3.43%	0.106%
60	5.826	5.803	5.846	VV	1927	26343	2.42%	0.075%
61	5.876	5.846	5.895	VV	2516	44581	4.09%	0.126%
62	5.924	5.895	5.949	VV	2447	55052	5.05%	0.156%
63	5.968	5.949	5.988	VV	2508	37704	3.46%	0.107%
64	6.018	5.988	6.038	VV	2626	52848	4.85%	0.150%
65	6.070	6.038	6.084	VV	2422	51705	4.74%	0.146%
66	6.099	6.084	6.128	VV	2171	44162	4.05%	0.125%
67	6.159	6.128	6.174	VV	2710	52046	4.77%	0.147%
68	6.189	6.174	6.213	VV	2733	52162	4.78%	0.148%
69	6.232	6.213	6.256	VV	4054	69877	6.41%	0.198%
70	6.279	6.256	6.295	VV	2742	53352	4.89%	0.151%
71	6.308	6.295	6.338	VV	2456	53142	4.87%	0.150%
72	6.373	6.338	6.401	VV	2451	74383	6.82%	0.211%
73	6.412	6.401	6.427	VV	1941	26135	2.40%	0.074%
74	6.444	6.427	6.458	VV	2400	36881	3.38%	0.104%
75	6.501	6.458	6.524	VV	11633	191988	17.60%	0.544%
76	6.540	6.524	6.560	VV	5166	78667	7.21%	0.223%
77	6.572	6.560	6.598	VV	3335	55925	5.13%	0.158%
78	6.628	6.598	6.647	VV	3475	80567	7.39%	0.228%
79	6.674	6.647	6.698	VV	6610	125854	11.54%	0.356%
80	6.709	6.698	6.721	VV	3323	39724	3.64%	0.112%
81	6.738	6.721	6.769	VV	3972	86820	7.96%	0.246%
82	6.810	6.769	6.828	VV	4413	104337	9.57%	0.295%
83	6.850	6.828	6.860	VV	5320	80897	7.42%	0.229%
84	6.870	6.860	6.889	VV	5220	73847	6.77%	0.209%
85	6.910	6.889	6.935	VV	5911	109210	10.01%	0.309%
86	6.959	6.935	6.990	VV	4667	121086	11.10%	0.343%
87	7.009	6.990	7.029	VV	4455	81166	7.44%	0.230%
88	7.053	7.029	7.091	VV	21285	320777	29.41%	0.908%
89	7.107	7.091	7.127	VV	5323	88062	8.07%	0.249%

90	7.153	7.127	7.170	VV	7800	129451	11.87%	0.366%
91	7.194	7.170	7.211	VV	4633	104075	9.54%	0.295%
92	7.236	7.211	7.268	VV	5762	156645	14.36%	0.443%
93	7.278	7.268	7.300	VV	4470	76878	7.05%	0.218%
94	7.323	7.300	7.350	VV	4801	119407	10.95%	0.338%
95	7.400	7.350	7.420	VV	5719	210521	19.30%	0.596%
96	7.447	7.420	7.475	VV	10324	221618	20.32%	0.627%
97	7.490	7.475	7.514	VV	4633	93322	8.56%	0.264%
98	7.533	7.514	7.548	VV	5399	89075	8.17%	0.252%
99	7.562	7.548	7.575	VV	6500	90723	8.32%	0.257%
100	7.611	7.575	7.627	VV	9813	210334	19.28%	0.595%
101	7.641	7.627	7.678	VV	6676	156818	14.38%	0.444%
102	7.701	7.678	7.717	VV	8178	142669	13.08%	0.404%
103	7.731	7.717	7.741	VV	6999	93445	8.57%	0.265%
104	7.751	7.741	7.770	VV	7393	104267	9.56%	0.295%
105	7.795	7.770	7.814	VV	7408	154015	14.12%	0.436%
106	7.844	7.814	7.860	VV	7723	180810	16.58%	0.512%
107	7.881	7.860	7.919	VV	10741	259121	23.76%	0.734%
108	7.965	7.919	7.992	VV	32963	526252	48.25%	1.490%
109	8.016	7.992	8.037	VV	8722	198275	18.18%	0.561%
110	8.054	8.037	8.075	VV	9153	167029	15.31%	0.473%
111	8.105	8.075	8.125	VV	7894	223654	20.50%	0.633%
112	8.143	8.125	8.174	VV	8760	224699	20.60%	0.636%
113	8.192	8.174	8.213	VV	10107	182909	16.77%	0.518%
114	8.238	8.213	8.252	VV	8351	169276	15.52%	0.479%
115	8.263	8.252	8.273	VV	7538	90477	8.29%	0.256%
116	8.300	8.273	8.371	VV	21120	586828	53.80%	1.661%
117	8.391	8.371	8.409	VV	9006	174571	16.00%	0.494%
118	8.431	8.409	8.457	VV	8520	218546	20.04%	0.619%
119	8.472	8.457	8.481	VV	7623	99262	9.10%	0.281%
120	8.499	8.481	8.513	VV	12812	195177	17.89%	0.553%
121	8.529	8.513	8.551	VV	10726	219542	20.13%	0.622%
122	8.565	8.551	8.576	VV	8899	126135	11.56%	0.357%
123	8.596	8.576	8.618	VV	18779	302466	27.73%	0.856%
124	8.636	8.618	8.644	VV	10413	141140	12.94%	0.400%
125	8.681	8.644	8.707	VV	41624	739162	67.77%	2.093%
126	8.723	8.707	8.741	VV	8458	157288	14.42%	0.445%
127	8.758	8.741	8.781	VV	10275	194250	17.81%	0.550%
128	8.826	8.781	8.845	VV	10869	322437	29.56%	0.913%
129	8.859	8.845	8.872	VV	8141	127553	11.69%	0.361%
130	8.904	8.872	8.924	VV	11309	300372	27.54%	0.850%
131	8.967	8.924	9.013	VV	10518	493590	45.25%	1.397%
132	9.049	9.013	9.073	VV	12081	317227	29.08%	0.898%
133	9.093	9.073	9.134	VV	8677	276339	25.33%	0.782%
134	9.167	9.134	9.181	VV	8252	203824	18.69%	0.577%
135	9.200	9.181	9.230	VV	9029	233243	21.38%	0.660%
136	9.266	9.230	9.304	VV	9720	362500	33.23%	1.026%
137	9.338	9.304	9.384	VV	17769	536993	49.23%	1.520%
138	9.417	9.384	9.444	VV	14772	387502	35.53%	1.097%
139	9.500	9.444	9.542	VV	13200	520814	47.75%	1.474%
140	9.581	9.542	9.633	VV	7176	365528	33.51%	1.035%
141	9.656	9.633	9.671	VV	8409	170938	15.67%	0.484%

142	9.698	9.671	9.726	VV	14161	353541	32.41%	1.001%
143	9.742	9.726	9.784	VV	12531	332994	30.53%	0.943%
144	9.820	9.784	9.833	VV	9864	274345	25.15%	0.777%
145	9.844	9.833	9.885	VV	10316	269425	24.70%	0.763%
146	9.914	9.885	9.934	VV	8097	217819	19.97%	0.617%
147	9.970	9.934	9.995	VV	9279	305353	27.99%	0.864%
148	10.017	9.995	10.053	VV	9191	272167	24.95%	0.770%
149	10.089	10.053	10.101	VV	9269	238163	21.83%	0.674%
150	10.129	10.101	10.164	VV	43200	793118	72.71%	2.245%
151	10.176	10.164	10.193	VV	9226	155077	14.22%	0.439%
152	10.210	10.193	10.244	VV	9613	269829	24.74%	0.764%
153	10.275	10.244	10.299	VV	11104	280873	25.75%	0.795%
154	10.317	10.299	10.344	VV	7341	184323	16.90%	0.522%
155	10.410	10.344	10.441	VV	11002	486279	44.58%	1.377%
156	10.478	10.441	10.516	VV	13111	459718	42.15%	1.301%
157	10.551	10.516	10.581	VV	64242	1090762	100.00%	3.088%
158	10.594	10.581	10.628	VV	10885	254865	23.37%	0.722%
159	10.668	10.628	10.702	VV	8594	353264	32.39%	1.000%
160	10.738	10.702	10.781	VV	8895	381729	35.00%	1.081%
161	10.814	10.781	10.838	VV	10059	303472	27.82%	0.859%
162	10.871	10.838	10.914	VV	15713	457993	41.99%	1.297%
163	10.954	10.914	10.978	VV	8478	292546	26.82%	0.828%
164	10.986	10.978	10.994	VV	7869	74091	6.79%	0.210%
165	11.007	10.994	11.028	VV	8018	157285	14.42%	0.445%
166	11.037	11.028	11.063	VV	7734	160713	14.73%	0.455%
167	11.125	11.063	11.150	VV	8432	409974	37.59%	1.161%
168	11.178	11.150	11.218	VV	11472	369899	33.91%	1.047%
169	11.271	11.218	11.314	VV	36120	841657	77.16%	2.383%
170	11.334	11.314	11.359	VV	7862	196739	18.04%	0.557%
171	11.378	11.359	11.398	VV	7327	153892	14.11%	0.436%
172	11.452	11.398	11.514	VV	8816	526381	48.26%	1.490%
173	11.546	11.514	11.561	VV	7692	189003	17.33%	0.535%
174	11.578	11.561	11.602	VV	8351	174138	15.96%	0.493%
175	11.621	11.602	11.650	VV	6817	184289	16.90%	0.522%
176	11.670	11.650	11.714	VV	7038	252241	23.13%	0.714%
177	11.733	11.714	11.769	VV	7587	219010	20.08%	0.620%
178	11.785	11.769	11.800	VV	6901	121677	11.16%	0.344%
179	11.830	11.800	11.902	VV	13464	510152	46.77%	1.444%
180	11.924	11.902	11.937	VV	6362	125046	11.46%	0.354%
181	11.963	11.937	12.022	VV	6883	311082	28.52%	0.881%
182	12.047	12.022	12.091	VV	6222	226067	20.73%	0.640%
183	12.121	12.091	12.134	VV	5726	138696	12.72%	0.393%
184	12.144	12.134	12.178	VV	5592	137920	12.64%	0.390%
185	12.206	12.178	12.225	VV	5222	137791	12.63%	0.390%
186	12.257	12.225	12.299	VV	5341	211896	19.43%	0.600%
187	12.348	12.299	12.387	VV	5152	242065	22.19%	0.685%
188	12.410	12.387	12.458	VV	6276	211641	19.40%	0.599%
189	12.488	12.458	12.536	VV	6705	230272	21.11%	0.652%
190	12.552	12.536	12.568	VV	4051	76106	6.98%	0.215%
191	12.595	12.568	12.616	VV	4224	117090	10.73%	0.331%
192	12.631	12.616	12.722	VV	4569	219951	20.16%	0.623%
193	12.765	12.722	12.791	VV	3467	135475	12.42%	0.384%
194	12.811	12.791	12.828	VV	3423	68289	6.26%	0.193%

rteres

195	12.845	12.828	12.887	VV	3071	102188	9.37%	0.289%
196	12.930	12.887	12.959	VV	19169	321393	29.47%	0.910%
197	12.982	12.959	13.078	VV	5213	239557	21.96%	0.678%
198	13.099	13.078	13.123	VV	3183	73346	6.72%	0.208%
199	13.144	13.123	13.182	VV	2738	87152	7.99%	0.247%
200	13.198	13.182	13.246	VV	2323	83600	7.66%	0.237%
201	13.263	13.246	13.288	VV	2177	48760	4.47%	0.138%
202	13.325	13.288	13.358	VV	2954	93984	8.62%	0.266%
203	13.373	13.358	13.393	VV	2143	41906	3.84%	0.119%
204	13.408	13.393	13.443	VV	2009	54860	5.03%	0.155%
205	13.458	13.443	13.488	VV	1718	42087	3.86%	0.119%
206	13.529	13.488	13.570	VV	1988	86556	7.94%	0.245%
207	13.593	13.570	13.638	VV	2097	68569	6.29%	0.194%
208	13.680	13.638	13.711	VV	2035	61604	5.65%	0.174%
209	13.736	13.711	13.753	VV	1363	32421	2.97%	0.092%
210	13.767	13.753	13.784	VV	1355	23360	2.14%	0.066%
211	13.795	13.784	13.809	VV	1172	16919	1.55%	0.048%
212	13.829	13.809	13.861	VV	1294	34893	3.20%	0.099%
213	13.919	13.874	13.958	VV	1951	66165	6.07%	0.187%
214	13.976	13.958	14.024	VV	1176	39966	3.66%	0.113%
215	14.032	14.024	14.041	VV	846	8125	0.74%	0.023%
216	14.074	14.041	14.105	VV	1134	38361	3.52%	0.109%
217	14.120	14.105	14.134	VV	1018	14802	1.36%	0.042%
218	14.155	14.134	14.167	VV	899	15891	1.46%	0.045%
219	14.182	14.167	14.223	VV	1056	24668	2.26%	0.070%
220	14.242	14.223	14.287	VV	896	24695	2.26%	0.070%
221	14.312	14.287	14.351	VV	925	27842	2.55%	0.079%
222	14.370	14.351	14.434	VV	1104	36049	3.30%	0.102%
223	14.446	14.434	14.471	VV	496	10984	1.01%	0.031%
224	14.491	14.471	14.558	VV	860	30938	2.84%	0.088%
225	14.567	14.558	14.581	VV	467	5325	0.49%	0.015%
226	14.625	14.581	14.670	VV	619	22404	2.05%	0.063%
227	14.684	14.670	14.731	VV	497	14149	1.30%	0.040%
228	14.785	14.731	14.814	VV	736	21866	2.00%	0.062%
229	14.824	14.814	14.894	VV	537	20546	1.88%	0.058%
230	14.927	14.894	14.960	VV	572	14840	1.36%	0.042%
231	14.983	14.960	15.006	VV	344	7308	0.67%	0.021%
232	15.039	15.006	15.062	VV	461	11913	1.09%	0.034%
233	15.076	15.062	15.110	VV	396	8747	0.80%	0.025%
234	15.120	15.110	15.171	VV	332	9856	0.90%	0.028%
235	15.206	15.171	15.234	VV	439	11738	1.08%	0.033%
236	15.244	15.234	15.279	VV	313	5959	0.55%	0.017%
237	15.329	15.279	15.379	VV	701	25984	2.38%	0.074%
238	15.388	15.379	15.410	VV	320	4031	0.37%	0.011%
239	15.432	15.410	15.461	VV	357	5304	0.49%	0.015%
240	15.469	15.461	15.503	PV	138	2438	0.22%	0.007%
241	15.553	15.503	15.575	VV	255	7117	0.65%	0.020%
242	15.615	15.575	15.670	VV	639	20179	1.85%	0.057%
243	15.682	15.670	15.741	VV	217	5034	0.46%	0.014%
244	15.810	15.741	15.878	VV	471	21403	1.96%	0.061%
245	15.889	15.878	15.919	VV	149	1761	0.16%	0.005%
246	15.939	15.919	15.958	VV	176	3444	0.32%	0.010%

rteres

247	15.992	15.958	16.024	VV	552	12618	1.16%	0.036%
248	16.033	16.024	16.066	VV	292	5230	0.48%	0.015%
249	16.118	16.066	16.148	VV	557	18190	1.67%	0.051%
250	16.162	16.148	16.201	VV	347	6939	0.64%	0.020%
251	16.240	16.201	16.261	VV	192	5395	0.49%	0.015%
252	16.286	16.261	16.305	VV	530	6895	0.63%	0.020%
253	16.333	16.305	16.367	VV	228	4777	0.44%	0.014%
254	16.391	16.367	16.414	VV	142	3291	0.30%	0.009%
255	16.440	16.414	16.451	VV	291	4307	0.39%	0.012%
256	16.458	16.451	16.466	VV	295	2072	0.19%	0.006%
257	16.504	16.466	16.567	VV	459	18519	1.70%	0.052%
258	16.606	16.567	16.691	VV	395	17047	1.56%	0.048%
259	16.757	16.691	16.787	VV	915	29507	2.71%	0.084%
260	16.797	16.787	16.831	VV	422	6967	0.64%	0.020%
261	16.846	16.831	16.853	VV	372	3943	0.36%	0.011%
262	16.862	16.853	16.873	VV	363	3864	0.35%	0.011%
263	16.920	16.873	16.934	VV	480	13615	1.25%	0.039%
264	16.982	16.934	17.020	VV	1239	33098	3.03%	0.094%
265	17.069	17.020	17.109	VV	569	22685	2.08%	0.064%
266	17.152	17.109	17.179	VV	868	24109	2.21%	0.068%
267	17.203	17.179	17.284	VV	1064	27366	2.51%	0.077%
268	17.305	17.284	17.341	VV	893	20978	1.92%	0.059%
269	17.347	17.341	17.368	VV	378	5092	0.47%	0.014%
270	17.376	17.368	17.418	VV	418	9341	0.86%	0.026%
271	17.476	17.418	17.500	VV	502	14938	1.37%	0.042%
272	17.574	17.500	17.591	VV	745	29975	2.75%	0.085%
273	17.634	17.591	17.658	VV	1580	38830	3.56%	0.110%
274	17.670	17.658	17.725	VV	860	24139	2.21%	0.068%
275	17.769	17.725	17.864	VV	2277	75516	6.92%	0.214%
276	17.873	17.864	17.896	VV	428	6193	0.57%	0.018%
277	17.973	17.896	17.991	VV	708	27003	2.48%	0.076%
278	18.000	17.991	18.034	VV	499	11355	1.04%	0.032%
279	18.058	18.034	18.093	VV	1312	24249	2.22%	0.069%
280	18.137	18.093	18.190	VV	2376	44058	4.04%	0.125%
281	18.204	18.190	18.234	VV	225	1932	0.18%	0.005%
282	18.257	18.234	18.267	PV	288	2172	0.20%	0.006%
283	18.301	18.267	18.314	VV	339	6612	0.61%	0.019%
284	18.336	18.314	18.390	VV	427	13334	1.22%	0.038%
285	18.466	18.390	18.513	VV	1480	37777	3.46%	0.107%
286	18.558	18.513	18.584	VV	1043	20401	1.87%	0.058%
287	18.606	18.584	18.629	VV	894	14199	1.30%	0.040%
288	18.647	18.629	18.677	VV	460	9056	0.83%	0.026%
289	18.731	18.677	18.797	VV	444	18724	1.72%	0.053%
290	18.813	18.797	18.821	VV	193	2090	0.19%	0.006%
291	18.867	18.821	18.917	VV	1338	39742	3.64%	0.113%
292	18.958	18.917	19.003	VV	832	24908	2.28%	0.071%
293	19.013	19.003	19.016	VV	416	2961	0.27%	0.008%
294	19.050	19.016	19.063	VV	788	17788	1.63%	0.050%
295	19.067	19.063	19.088	VV	696	7905	0.72%	0.022%
296	19.093	19.088	19.141	VV	518	13910	1.28%	0.039%
297	19.159	19.141	19.177	VV	541	9139	0.84%	0.026%
298	19.252	19.177	19.339	VV	1858	84715	7.77%	0.240%
299	19.355	19.339	19.389	VV	600	13598	1.25%	0.038%

rteres

300	19.470	19.389	19.484	VV	940	30871	2.83%	0.087%
301	19.544	19.484	19.565	VV	1167	45489	4.17%	0.129%
302	19.581	19.565	19.593	VV	951	15434	1.41%	0.044%
303	19.624	19.593	19.647	VV	1756	42679	3.91%	0.121%
304	19.662	19.647	19.706	VV	1523	50150	4.60%	0.142%
305	19.769	19.706	19.788	VV	1722	74195	6.80%	0.210%
306	19.939	19.788	19.954	VV	2097	185766	17.03%	0.526%
307	19.989	19.954	20.008	VV	2747	75634	6.93%	0.214%
308	20.064	20.008	20.094	VV	2494	122282	11.21%	0.346%
309	20.104	20.094	20.121	VV	2351	36548	3.35%	0.103%
310	20.178	20.121	20.198	VV	2594	111124	10.19%	0.315%
311	20.265	20.198	20.278	VV	3254	141554	12.98%	0.401%
312	20.341	20.278	20.394	VV	3714	225652	20.69%	0.639%
313	20.519	20.394	20.541	VV	3650	281853	25.84%	0.798%
314	20.552	20.541	20.608	VV	3533	131888	12.09%	0.373%
315	20.615	20.608	20.642	VV	2906	58127	5.33%	0.165%

Sum of corrected areas: 35324278

Aliphatic EPH 102324.M Wed Oct 30 05:44:47 2024

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC102324AL

AreaCount

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	39022992.000	19933185.000	8061570.000	4198329.000	2101198.000	
Aliphatic C12-C16	25467967.000	12990634.000	5208245.000	2702045.000	1358541.000	
Aliphatic C16-C21	36713606.000	18782701.000	7526010.000	3934678.000	1979840.000	
Aliphatic C21-C28	45946180.000	23609090.000	9458827.000	4951672.000	2510279.000	
Aliphatic C28-C40	56250650.000	29316600.000	11954663.000	6283522.000	3289360.000	
Aliphatic EPH	203401395.000	104632210.000	42209315.000	22070246.000	11239218.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	135469.6413332	3.265				
Aliphatic C12-C16	131681.73	2.772				
Aliphatic C16-C21	127235.0919996	3.261				
Aliphatic C21-C28	120090.3975	3.678				
Aliphatic C28-C40	101093.1949996	6.133				
Aliphatic EPH	118799.912222	4.081				

Concentration

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	130076.640000	132887.900000	134359.500000	139944.300000	140079.866666	
Aliphatic C12-C16	127339.835000	129906.340000	130206.125000	135102.250000	135854.100000	
Aliphatic C16-C21	122378.686666	125218.006666	125433.500000	131155.933333	131989.333333	

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

Inital Calibration Report for SequenceID : FC102324AL

Aliphatic C21-C28	114865.450000	118045.450000	118235.337500	123791.800000	125513.950000	
Aliphatic C28-C40	93751.083333	97722.000000	99622.191666	104725.366666	109645.333333	
Aliphatic EPH	113000.775000	116258.011111	117248.097222	122612.477777	124880.200000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.506	14037783	98.632 ug/ml
Spiked Amount	50.000		Recovery =	197.26%
12) S	1-chlorooctadecane (S...	12.941	10490435	99.221 ug/ml
Spiked Amount	50.000		Recovery =	198.44%
	Target Compounds			
1) T	n-Nonane (C9)	3.278	12920314	98.296 ug/ml
2) T	n-Decane (C10)	4.343	13085907	98.393 ug/ml
3) T	A~Naphthalene (C11.7)	5.922	14394132	98.923 ug/ml
4) T	n-Dodecane (C12)	6.360	13016771	98.452 ug/ml
5) T	A~2-methylnaphthalene...	6.979	13836866	99.334 ug/ml
6) T	n-Tetradecane (C14)	8.152	12659193	98.737 ug/ml
7) T	n-Hexadecane (C16)	9.751	12808774	99.036 ug/ml
8) T	n-Octadecane (C18)	11.193	12738874	98.786 ug/ml
10) T	n-Eicosane (C20)	12.499	12105735	98.678 ug/ml
11) T	n-Heneicosane (C21)	13.110	11868997	98.838 ug/ml
13) T	n-Docosane (C22)	13.695	11751176	98.736 ug/ml
14) T	n-Tetracosane (C24)	14.797	11637443	98.776 ug/ml
15) T	n-Hexacosane (C26)	15.816	11410589	98.652 ug/ml
16) T	n-Octacosane (C28)	16.765	11146972	98.035 ug/ml
17) T	n-Tricontane (C30)	17.651	11224678	97.103 ug/ml
18) T	n-Dotriacontane (C32)	18.483	10806351	96.387 ug/ml
19) T	n-Tetratriacontane (C34)	19.263	9619727	96.453 ug/ml
20) T	n-Hexatriacontane (C36)	20.002	8494635	97.259 ug/ml
21) T	n-Octatriacontane (C38)	20.726	8112623	97.297 ug/ml
22) T	n-Tetracontane (C40)	21.614	7992636	97.524 ug/ml

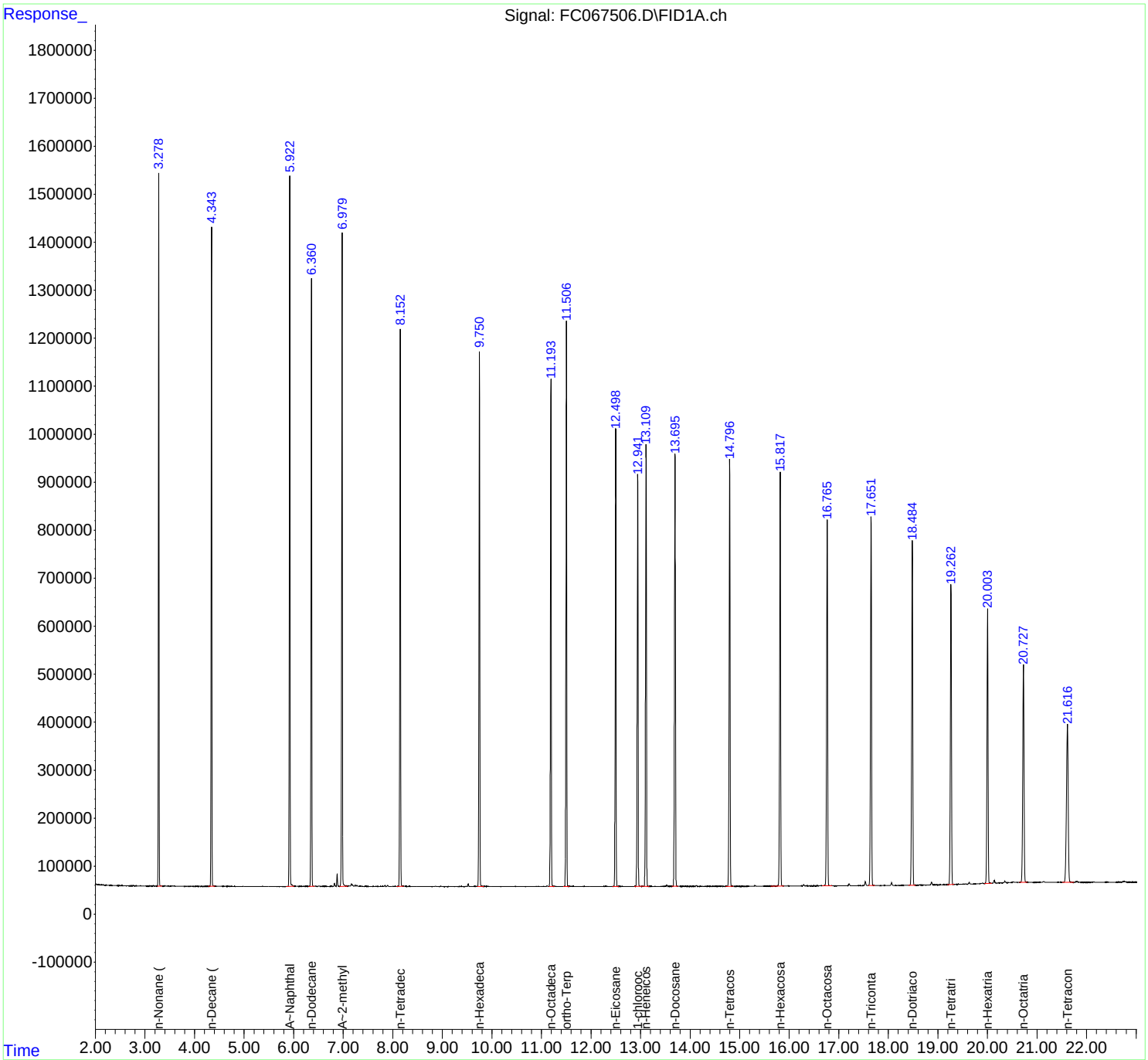
(f)=RT Delta > 1/2 Window (m)=manual int.

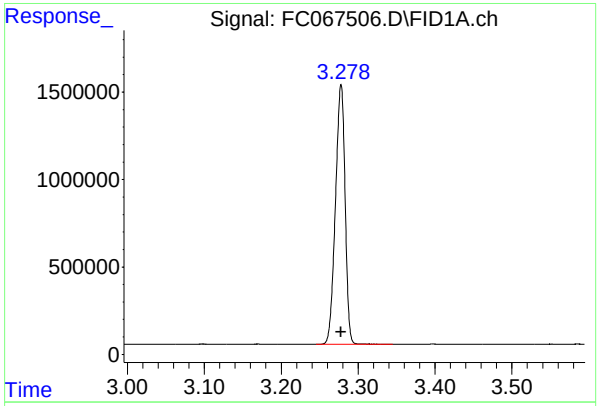
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

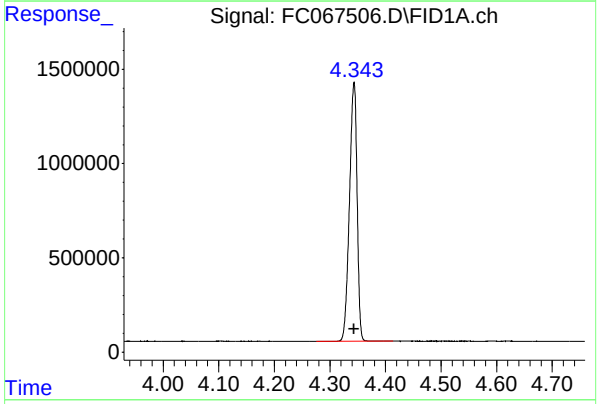




#1 n-Nonane (C9)

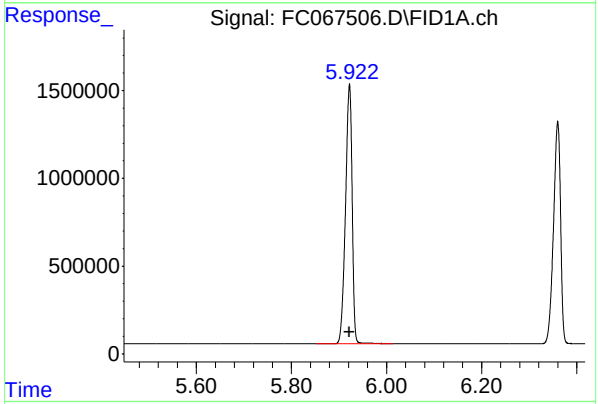
R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 12920314
Conc: 98.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



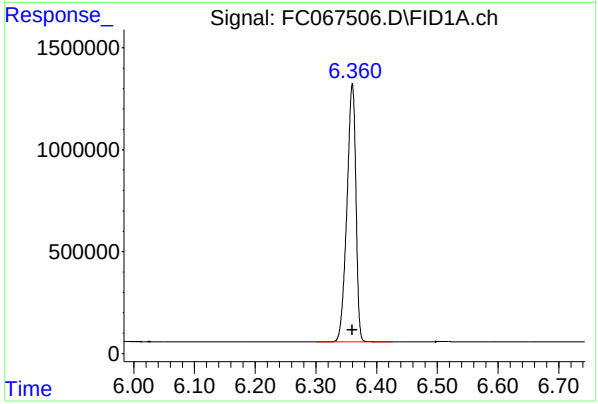
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: 0.000 min
Response: 13085907
Conc: 98.39 ug/ml



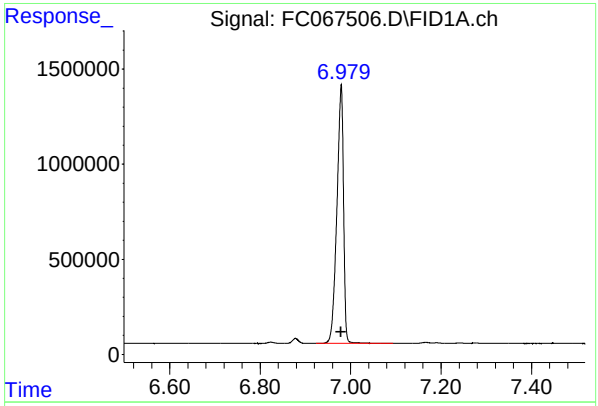
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 14394132
Conc: 98.92 ug/ml



#4 n-Dodecane (C12)

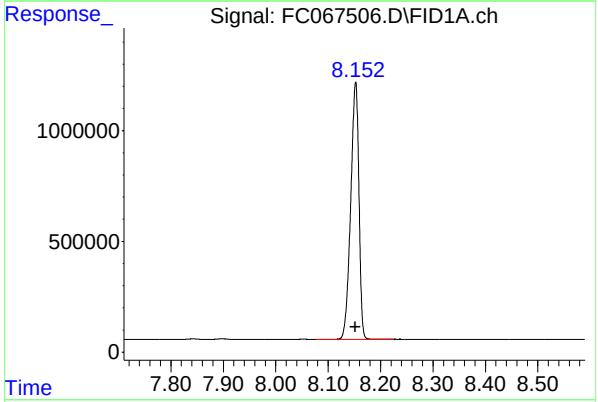
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 13016771
Conc: 98.45 ug/ml



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

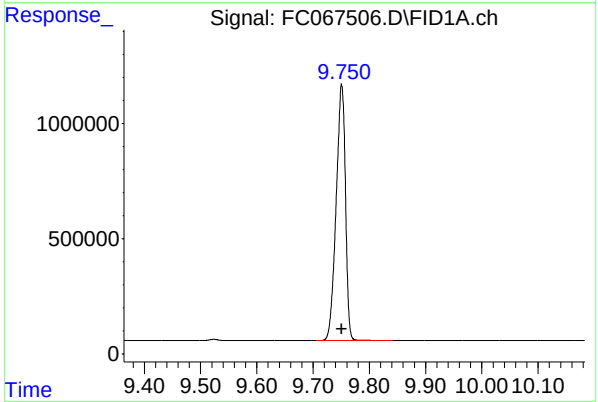
R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 13836866
Conc: 99.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



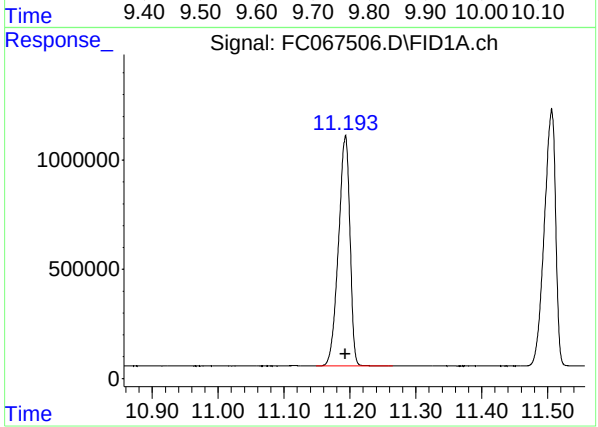
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 12659193
Conc: 98.74 ug/ml



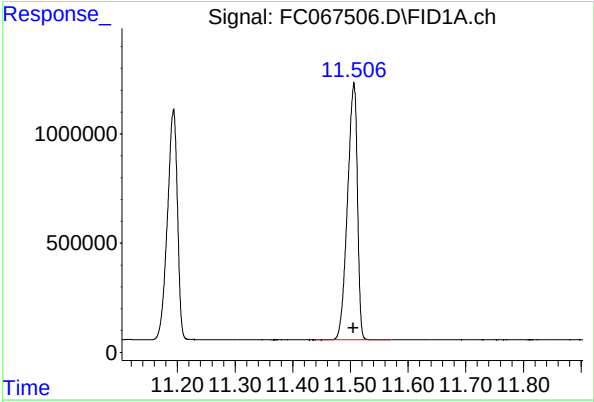
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.000 min
Response: 12808774
Conc: 99.04 ug/ml



#8 n-Octadecane (C18)

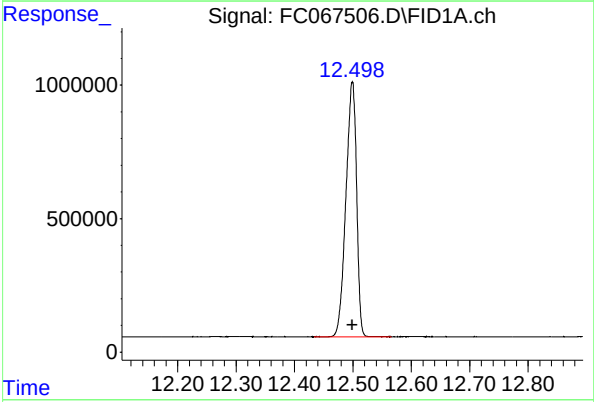
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 12738874
Conc: 98.79 ug/ml



#9 ortho-Terphenyl (SURR)

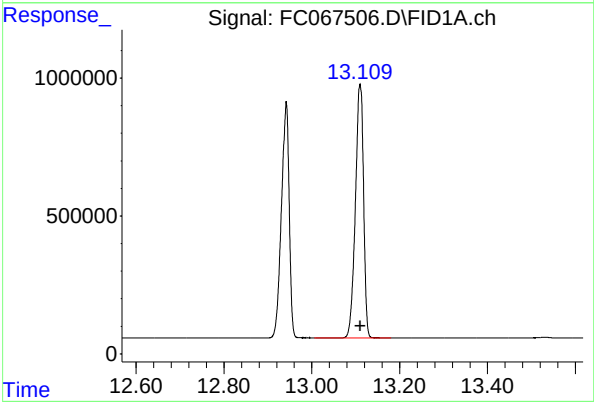
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 14037783
Conc: 98.63 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



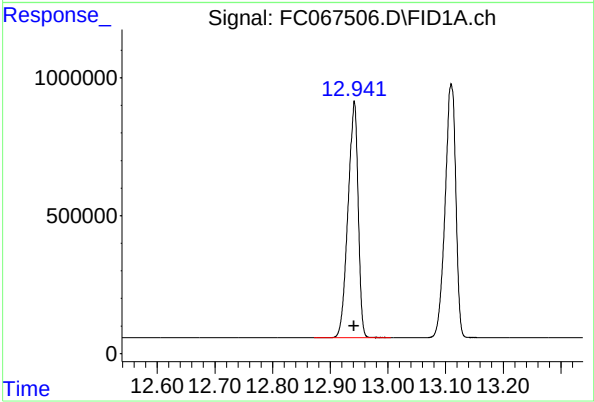
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: 0.000 min
Response: 12105735
Conc: 98.68 ug/ml



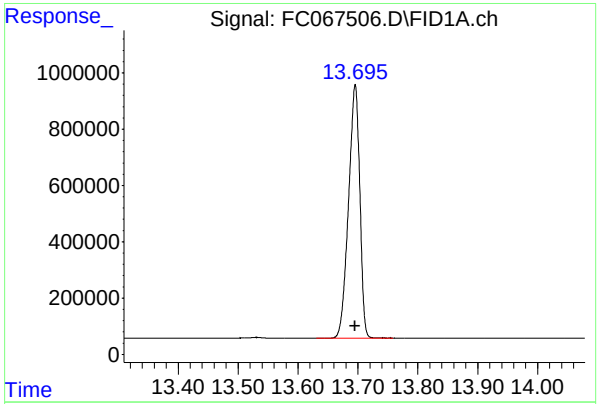
#11 n-Heneicosane (C21)

R.T.: 13.110 min
Delta R.T.: 0.000 min
Response: 11868997
Conc: 98.84 ug/ml



#12 1-chlorooctadecane (SURR)

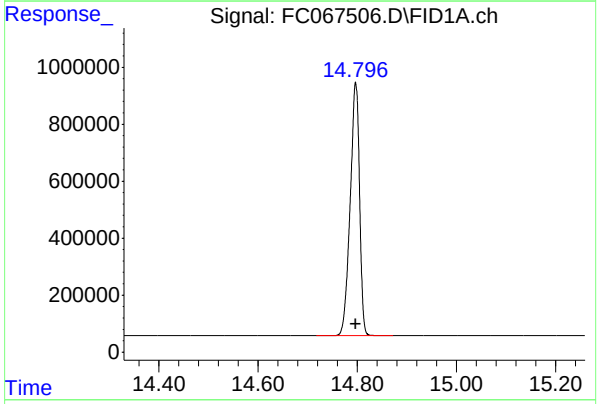
R.T.: 12.941 min
Delta R.T.: 0.000 min
Response: 10490435
Conc: 99.22 ug/ml



#13 n-Docosane (C22)

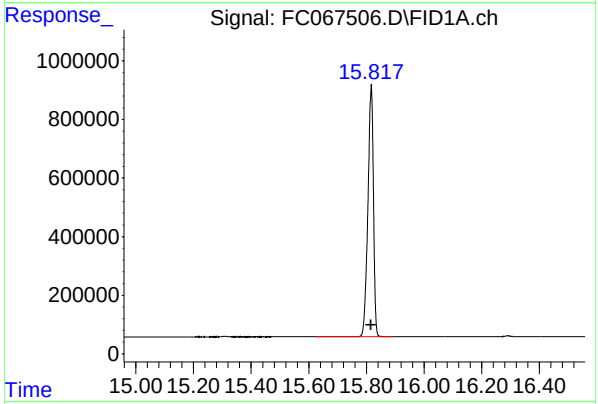
R.T.: 13.695 min
Delta R.T.: 0.000 min
Response: 11751176
Conc: 98.74 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



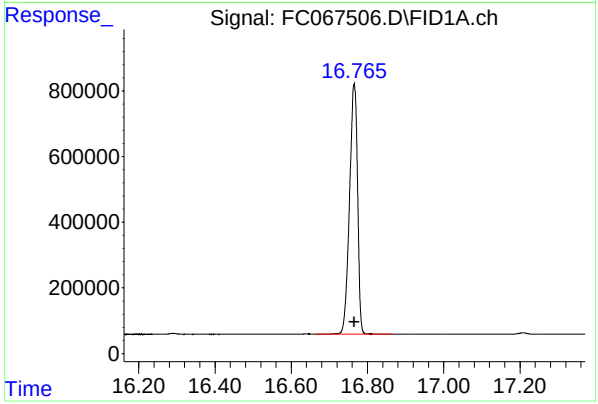
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 11637443
Conc: 98.78 ug/ml



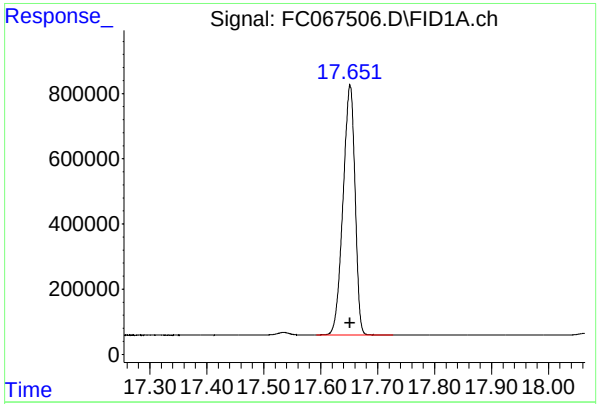
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 11410589
Conc: 98.65 ug/ml



#16 n-Octacosane (C28)

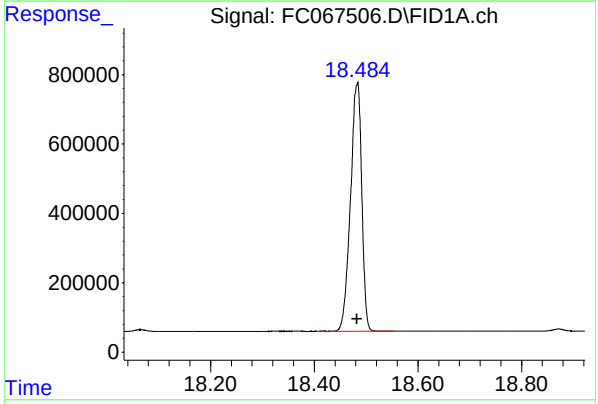
R.T.: 16.765 min
Delta R.T.: 0.000 min
Response: 11146972
Conc: 98.03 ug/ml



#17 n-Tricontane (C30)

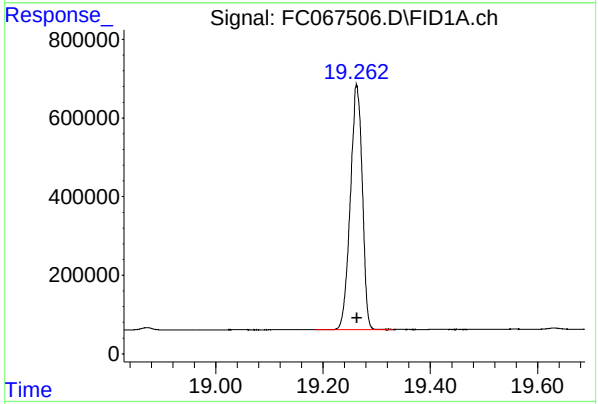
R.T.: 17.651 min
Delta R.T.: 0.000 min
Response: 11224678
Conc: 97.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



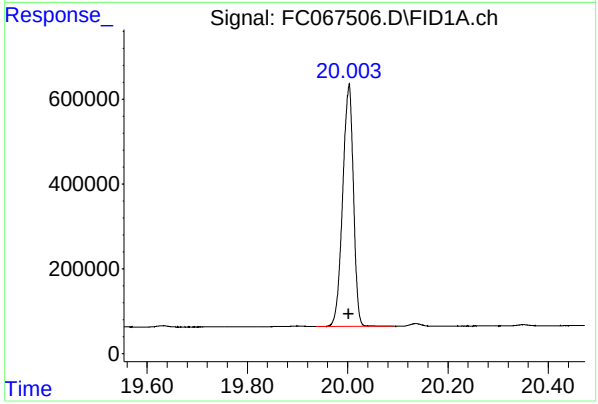
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.000 min
Response: 10806351
Conc: 96.39 ug/ml



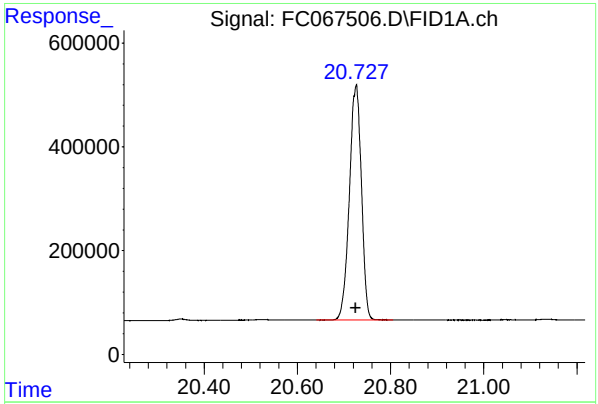
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.000 min
Response: 9619727
Conc: 96.45 ug/ml



#20 n-Hexatriacontane (C36)

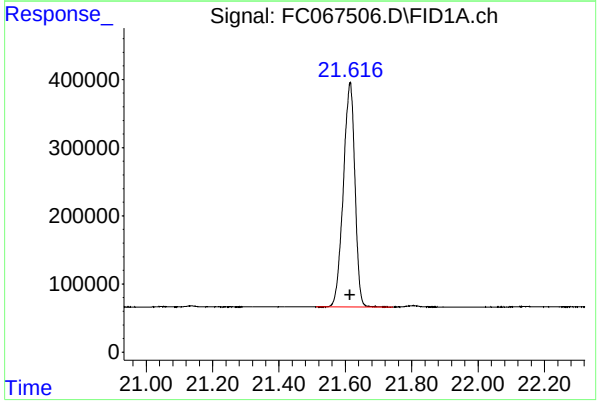
R.T.: 20.002 min
Delta R.T.: 0.000 min
Response: 8494635
Conc: 97.26 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.726 min
Delta R.T.: 0.000 min
Response: 8112623
Conc: 97.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.000 min
Response: 7992636
Conc: 97.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.278	3.245	3.345	BB	1482982	12920314	89.76%	5.044%
2	4.343	4.275	4.414	BB	1378444	13085907	90.91%	5.108%
3	5.922	5.852	6.014	BB	1478546	14394132	100.00%	5.619%
4	6.360	6.300	6.427	BB	1268307	13016771	90.43%	5.081%
5	6.979	6.924	7.094	BV	1345672	13836866	96.13%	5.402%
6	8.152	8.077	8.224	BB	1158926	12659193	87.95%	4.942%
7	9.751	9.705	9.842	BB	1114390	12808774	88.99%	5.000%
8	11.193	11.149	11.265	BV	1059950	12738874	88.50%	4.973%
9	11.506	11.437	11.570	BB	1165644	14037783	97.52%	5.480%
10	12.499	12.434	12.565	BB	956464	12105735	84.10%	4.726%
11	12.941	12.872	13.005	BB	861029	10490435	72.88%	4.095%
12	13.110	13.005	13.180	BB	919632	11868997	82.46%	4.633%
13	13.695	13.630	13.759	BB	900624	11751176	81.64%	4.587%
14	14.797	14.717	14.872	BB	888415	11637443	80.85%	4.543%
15	15.816	15.625	15.892	BB	863938	11410589	79.27%	4.454%
16	16.765	16.665	16.867	BB	761325	11146972	77.44%	4.352%
17	17.651	17.592	17.727	BB	765890	11224678	77.98%	4.382%
18	18.483	18.404	18.552	BB	712666	10806351	75.07%	4.219%
19	19.263	19.187	19.330	BB	619243	9619727	66.83%	3.755%
20	20.002	19.937	20.090	BB	565569	8494635	59.01%	3.316%
21	20.726	20.640	20.805	BB	451489	8112623	56.36%	3.167%
22	21.614	21.512	21.744	BB	329592	7992636	55.53%	3.120%
			Sum of corrected areas:			256160611		

Aliphatic EPH 102324.M Wed Oct 23 18:20:49 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.500	7186867	50.330 ug/ml
Spiked Amount	50.000		Recovery =	100.66%
12) S	1-chlorooctadecane (S...	12.937	5350584	50.403 ug/ml
Spiked Amount	50.000		Recovery =	100.81%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	6596270	50.122 ug/ml
2) T	n-Decane (C10)	4.340	6686022	50.181 ug/ml
3) T	A~Naphthalene (C11.7)	5.918	7350672	50.344 ug/ml
4) T	n-Dodecane (C12)	6.356	6650893	50.202 ug/ml
5) T	A~2-methylnaphthalene...	6.974	7049073	50.402 ug/ml
6) T	n-Tetradecane (C14)	8.149	6466785	50.292 ug/ml
7) T	n-Hexadecane (C16)	9.747	6523849	50.293 ug/ml
8) T	n-Octadecane (C18)	11.188	6511575	50.329 ug/ml
10) T	n-Eicosane (C20)	12.495	6199533	50.355 ug/ml
11) T	n-Heneicosane (C21)	13.105	6071593	50.372 ug/ml
13) T	n-Docosane (C22)	13.691	6022373	50.399 ug/ml
14) T	n-Tetracosane (C24)	14.793	5967985	50.435 ug/ml
15) T	n-Hexacosane (C26)	15.812	5860085	50.441 ug/ml
16) T	n-Octacosane (C28)	16.761	5758647	50.429 ug/ml
17) T	n-Tricontane (C30)	17.647	5830292	50.290 ug/ml
18) T	n-Dotriacontane (C32)	18.477	5634053	50.168 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	5024380	50.251 ug/ml
20) T	n-Hexatriacontane (C36)	19.998	4430530	50.483 ug/ml
21) T	n-Octatriacontane (C38)	20.720	4230730	50.491 ug/ml
22) T	n-Tetracontane (C40)	21.606	4166615	50.557 ug/ml

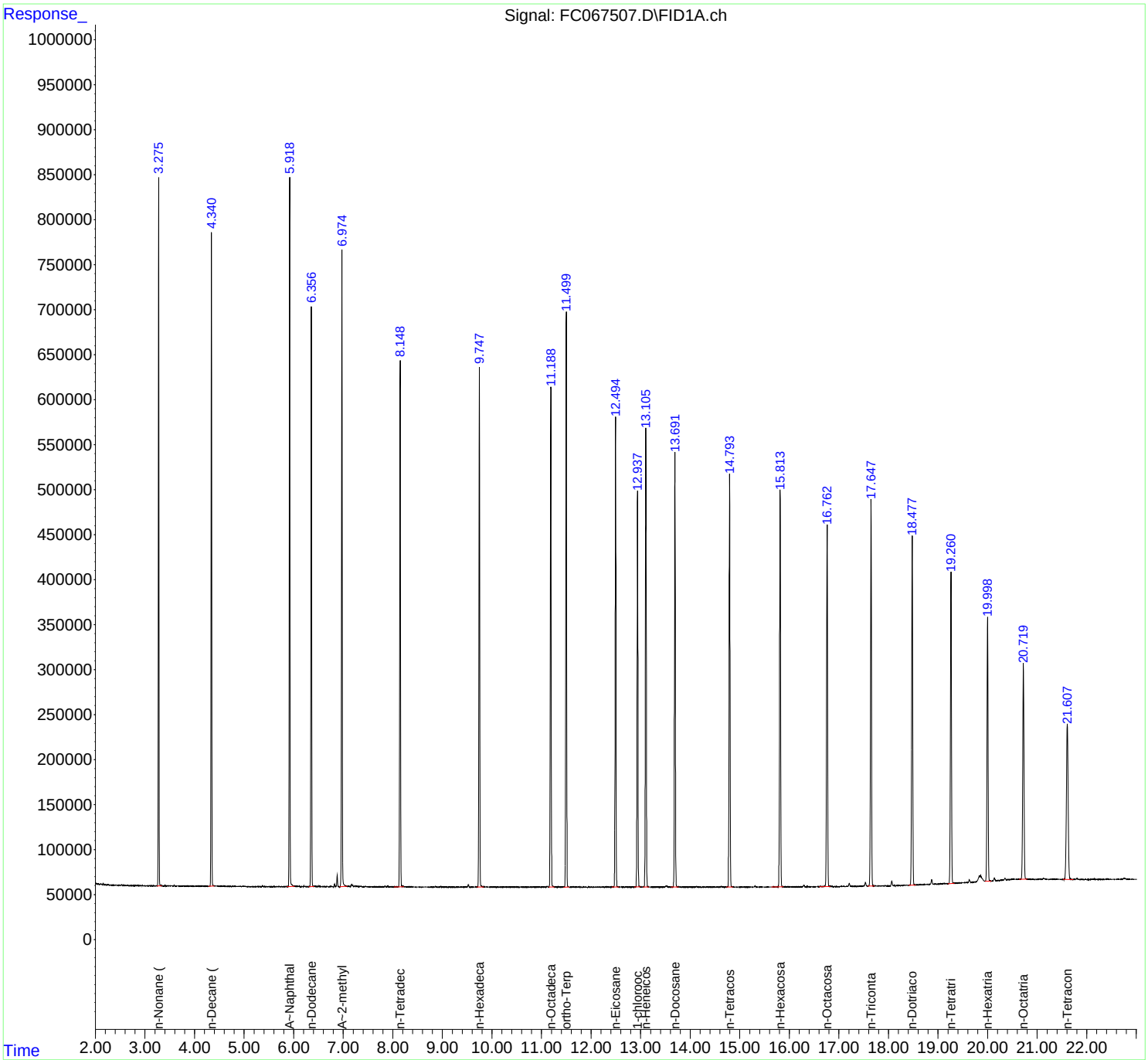
(f)=RT Delta > 1/2 Window (m)=manual int.

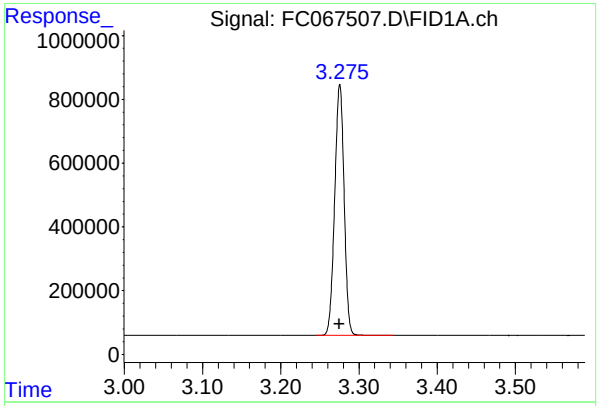
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

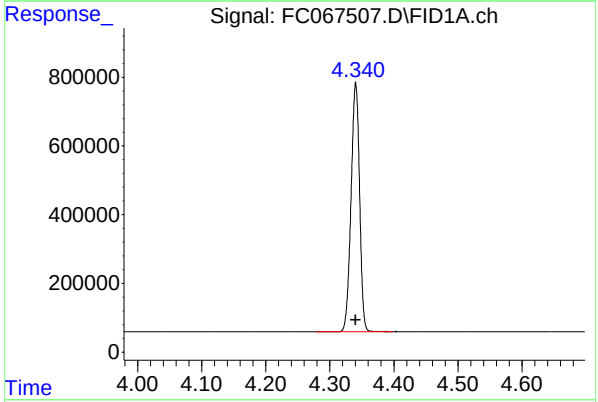




#1 n-Nonane (C9)

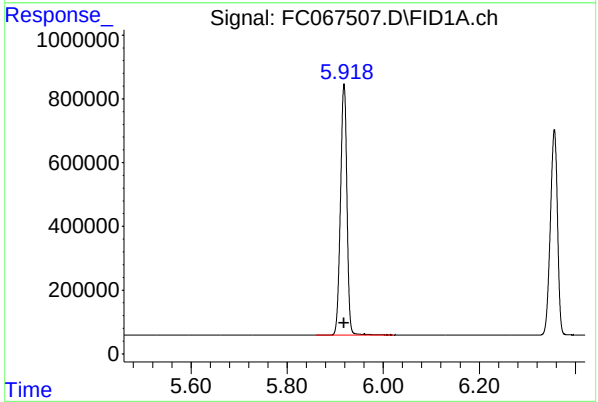
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 6596270
Conc: 50.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



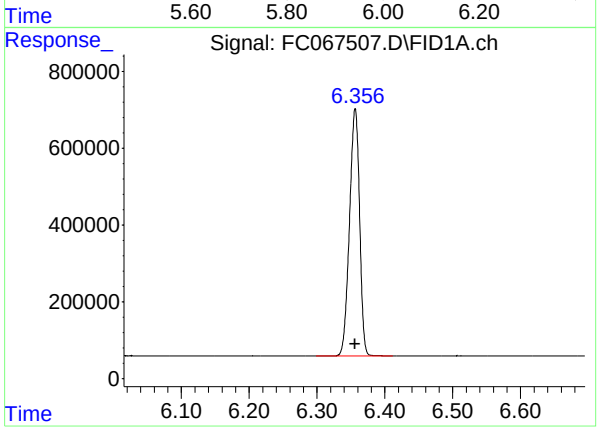
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 6686022
Conc: 50.18 ug/ml



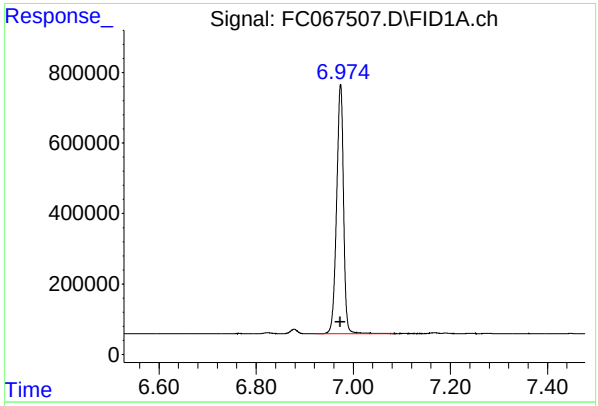
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 7350672
Conc: 50.34 ug/ml



#4 n-Dodecane (C12)

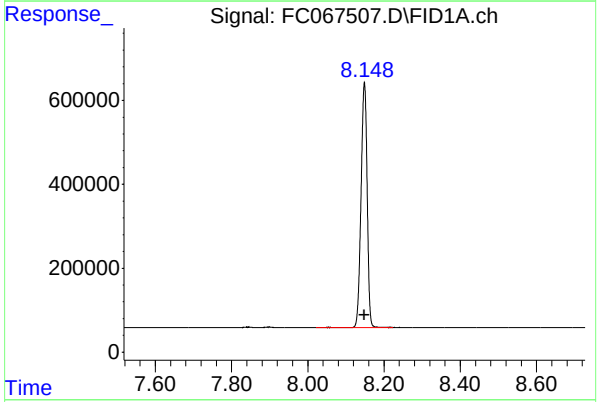
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 6650893
Conc: 50.20 ug/ml



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

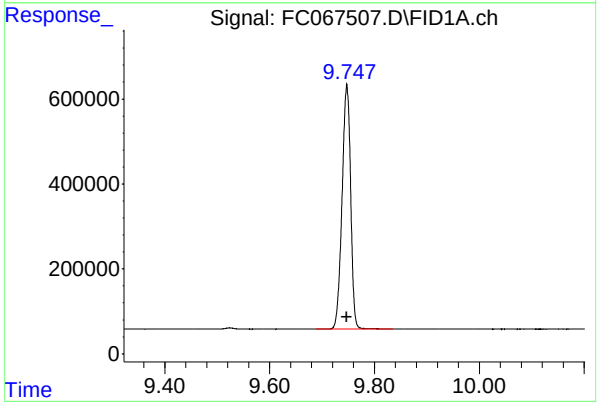
R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 7049073
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



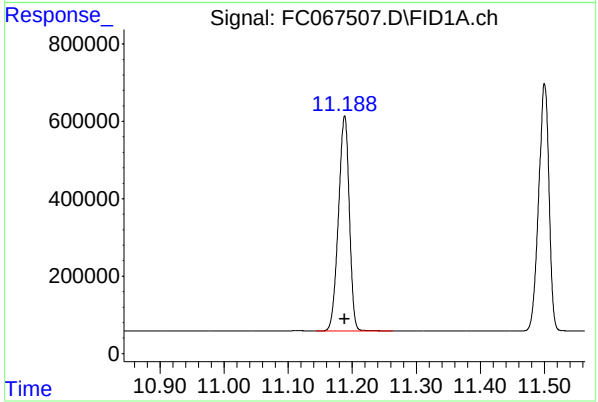
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 6466785
Conc: 50.29 ug/ml



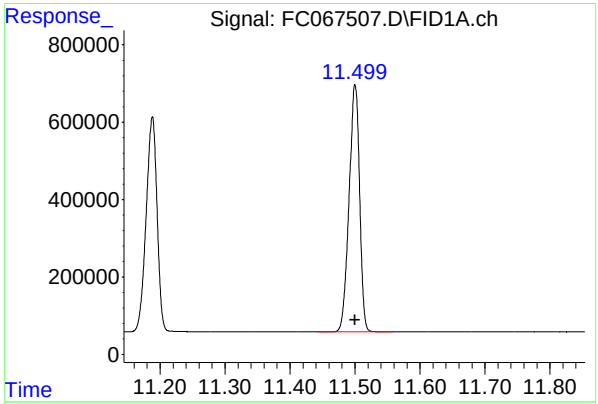
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.000 min
Response: 6523849
Conc: 50.29 ug/ml



#8 n-Octadecane (C18)

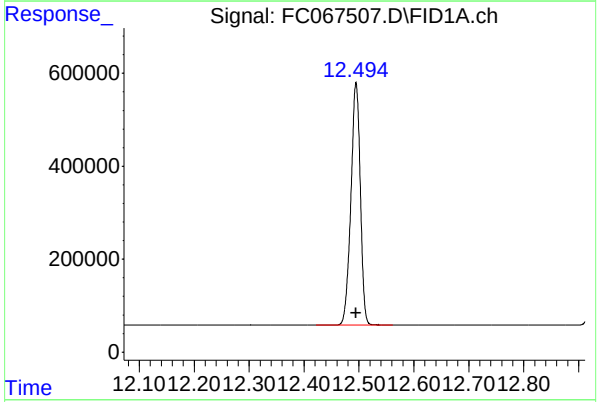
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 6511575
Conc: 50.33 ug/ml



#9 ortho-Terphenyl (SURR)

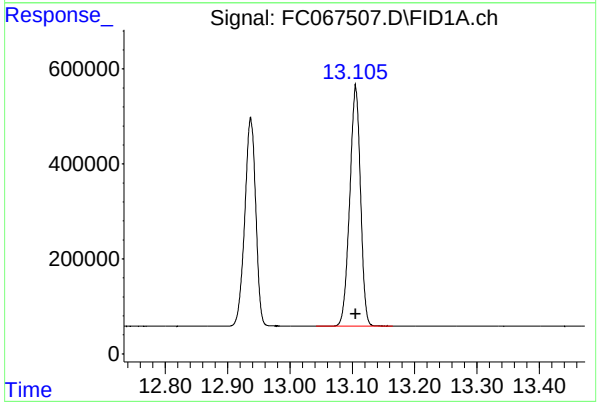
R.T.: 11.500 min
Delta R.T.: 0.000 min
Response: 7186867
Conc: 50.33 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



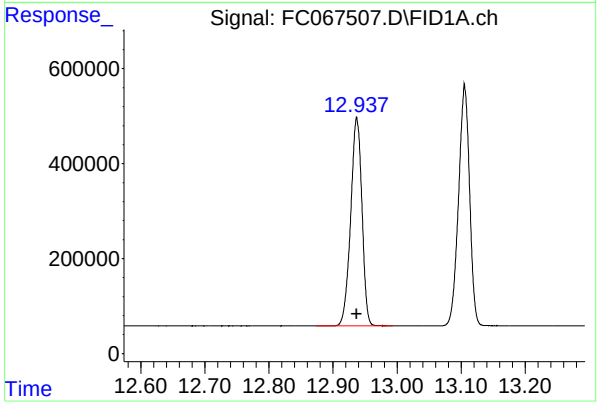
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.000 min
Response: 6199533
Conc: 50.36 ug/ml



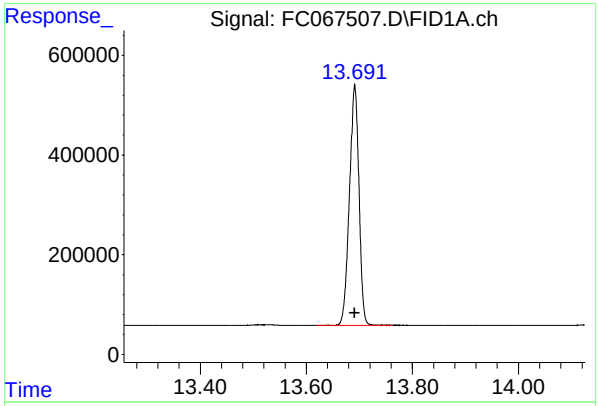
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 6071593
Conc: 50.37 ug/ml



#12 1-chlorooctadecane (SURR)

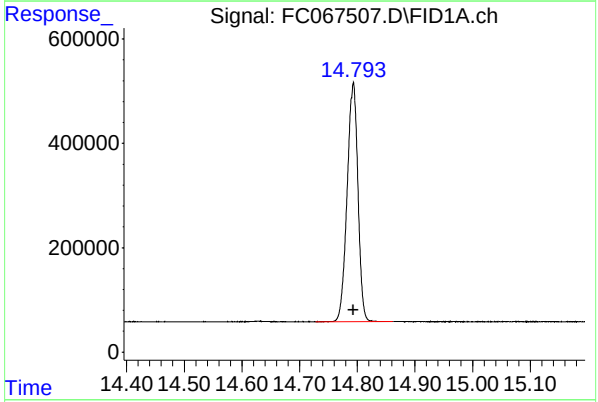
R.T.: 12.937 min
Delta R.T.: 0.000 min
Response: 5350584
Conc: 50.40 ug/ml



#13 n-Docosane (C22)

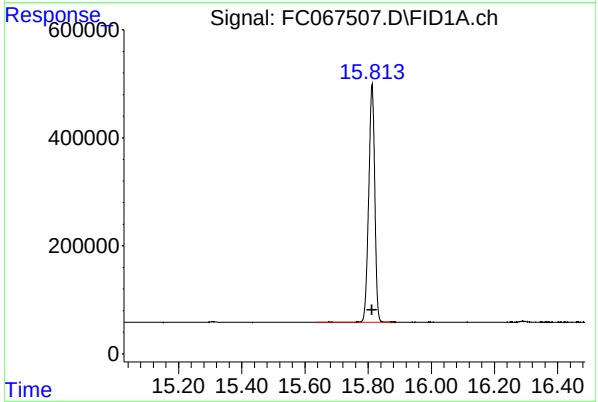
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 6022373
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



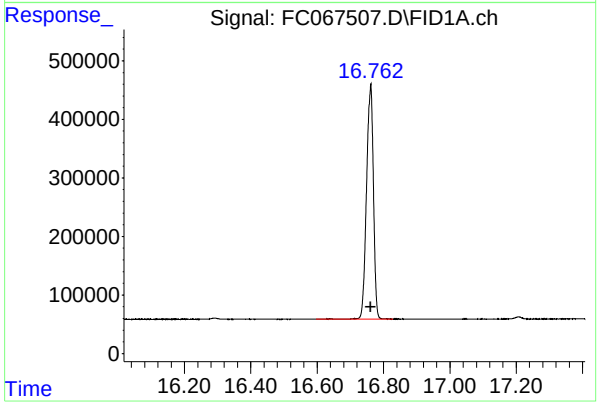
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 5967985
Conc: 50.43 ug/ml



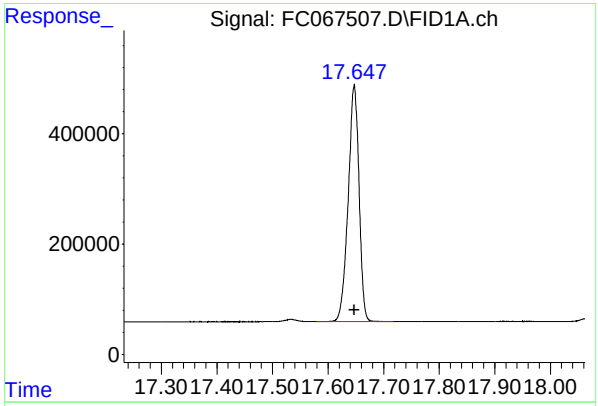
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 5860085
Conc: 50.44 ug/ml



#16 n-Octacosane (C28)

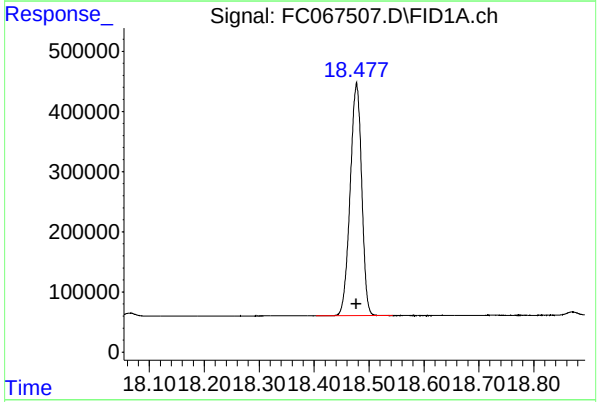
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 5758647
Conc: 50.43 ug/ml



#17 n-Tricontane (C30)

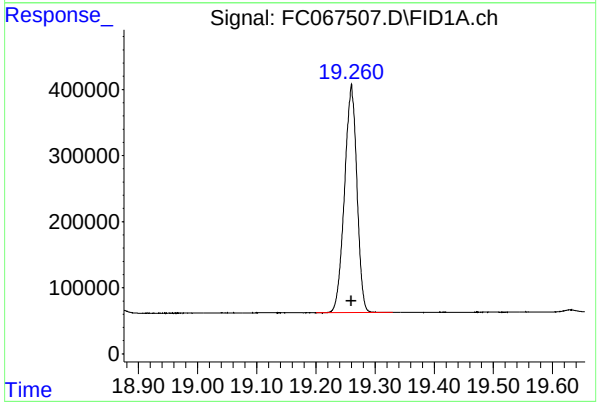
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 5830292
Conc: 50.29 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



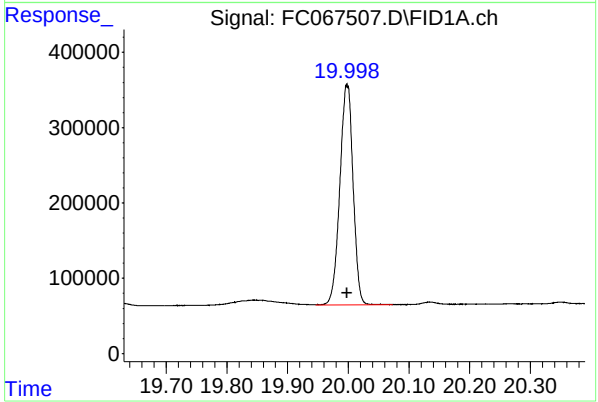
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.000 min
Response: 5634053
Conc: 50.17 ug/ml



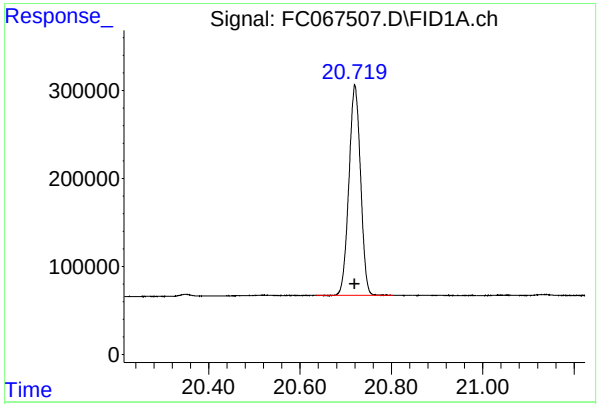
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 5024380
Conc: 50.25 ug/ml



#20 n-Hexatriacontane (C36)

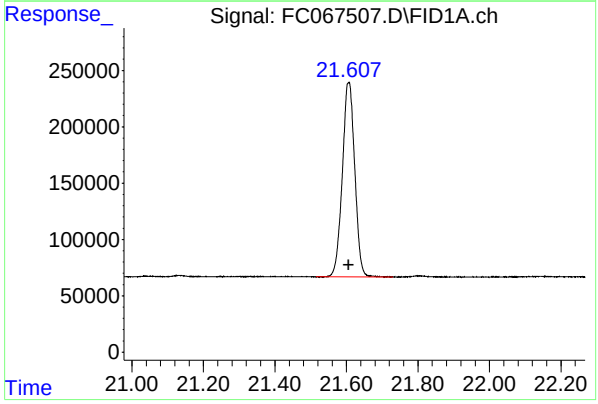
R.T.: 19.998 min
Delta R.T.: 0.000 min
Response: 4430530
Conc: 50.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.720 min
Delta R.T.: 0.000 min
Response: 4230730
Conc: 50.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: 0.000 min
Response: 4166615
Conc: 50.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.275	3.245	3.343	BB	787475	6596270	89.74%	5.014%
2	4.340	4.278	4.398	BB	725048	6686022	90.96%	5.082%
3	5.918	5.860	6.020	BB	788107	7350672	100.00%	5.587%
4	6.356	6.298	6.412	BB	647440	6650893	90.48%	5.055%
5	6.974	6.923	7.082	BB	708667	7049073	95.90%	5.358%
6	8.149	8.022	8.223	BB	584678	6466785	87.98%	4.915%
7	9.747	9.688	9.835	BB	574143	6523849	88.75%	4.958%
8	11.188	11.143	11.263	BB	557552	6511575	88.58%	4.949%
9	11.500	11.440	11.558	BB	638489	7186867	97.77%	5.462%
10	12.495	12.422	12.562	BB	521546	6199533	84.34%	4.712%
11	12.937	12.873	12.993	BB	438883	5350584	72.79%	4.067%
12	13.105	13.042	13.165	BB	507791	6071593	82.60%	4.615%
13	13.691	13.618	13.763	BB	482823	6022373	81.93%	4.577%
14	14.793	14.728	14.862	BB	460497	5967985	81.19%	4.536%
15	15.812	15.635	15.878	BB	438034	5860085	79.72%	4.454%
16	16.761	16.597	16.828	BB	395517	5758647	78.34%	4.377%
17	17.647	17.578	17.717	BB	427620	5830292	79.32%	4.431%
18	18.477	18.403	18.543	BB	385150	5634053	76.65%	4.282%
19	19.260	19.200	19.330	BB	345032	5024380	68.35%	3.819%
20	19.998	19.947	20.073	VB	291698	4430530	60.27%	3.367%
21	20.720	20.635	20.803	BB	239127	4230730	57.56%	3.216%
22	21.606	21.515	21.730	BB	172709	4166615	56.68%	3.167%

Sum of corrected areas: 131569405

Aliphatic EPH 102324.M Wed Oct 23 18:21:16 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.496	2885453	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	12.935	2131037	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.275	2673666	20.000 ug/ml
2)	T n-Decane (C10)	4.339	2702691	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	5.916	2941492	20.000 ug/ml
4)	T n-Dodecane (C12)	6.354	2685213	20.000 ug/ml
5)	T A~2-methylnaphthalene...	6.971	2804469	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.146	2596600	20.000 ug/ml
7)	T n-Hexadecane (C16)	9.745	2611645	20.000 ug/ml
8)	T n-Octadecane (C18)	11.185	2610385	20.000 ug/ml
10)	T n-Eicosane (C20)	12.492	2486010	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.103	2429615	20.000 ug/ml
13)	T n-Docosane (C22)	13.688	2410406	20.000 ug/ml
14)	T n-Tetracosane (C24)	14.790	2385181	20.000 ug/ml
15)	T n-Hexacosane (C26)	15.809	2344463	20.000 ug/ml
16)	T n-Octacosane (C28)	16.757	2318777	20.000 ug/ml
17)	T n-Tricontane (C30)	17.644	2378909	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.475	2323289	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.258	2065430	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	19.995	1794670	20.000 ug/ml
21)	T n-Octatriacontane (C38)	20.718	1712685	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.604	1679680	20.000 ug/ml

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

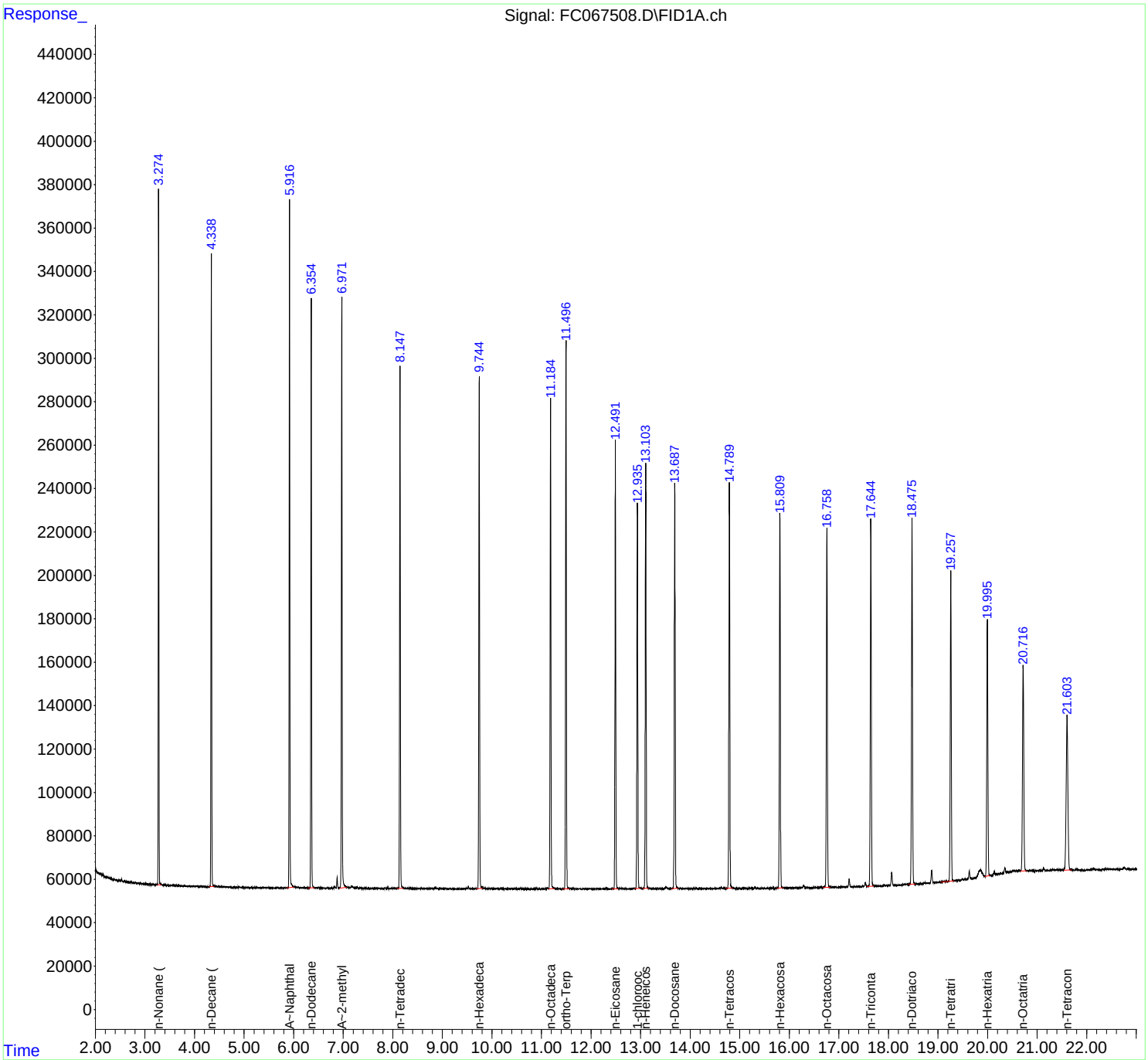
Quantitation Report (QT Reviewed)

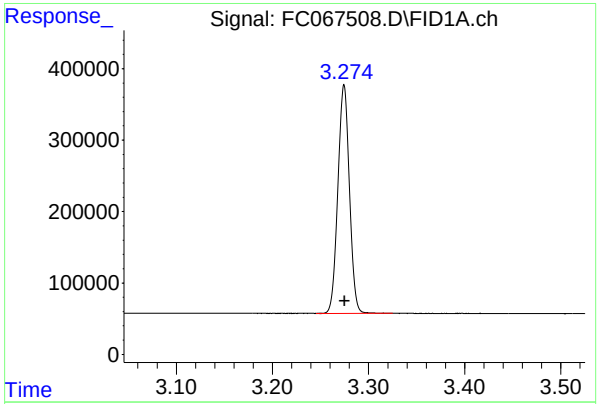
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

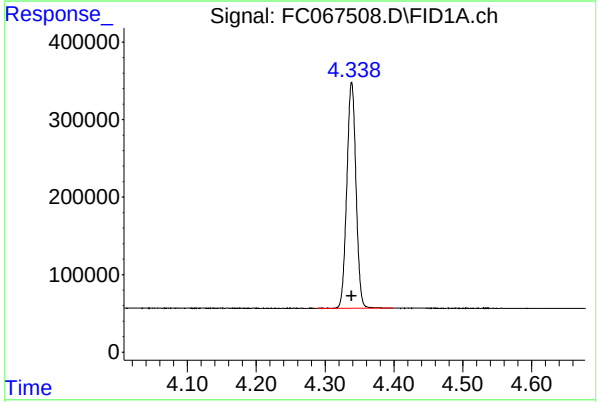




#1 n-Nonane (C9)

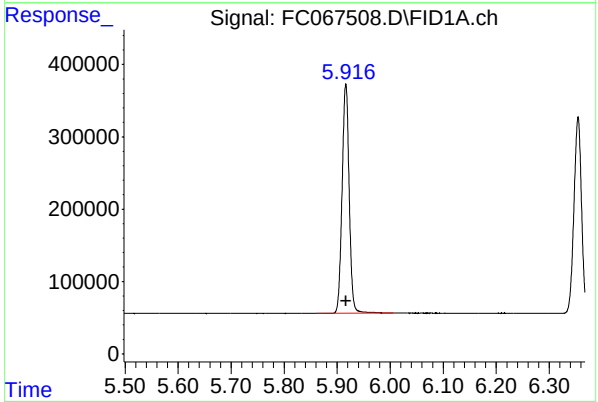
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2673666
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



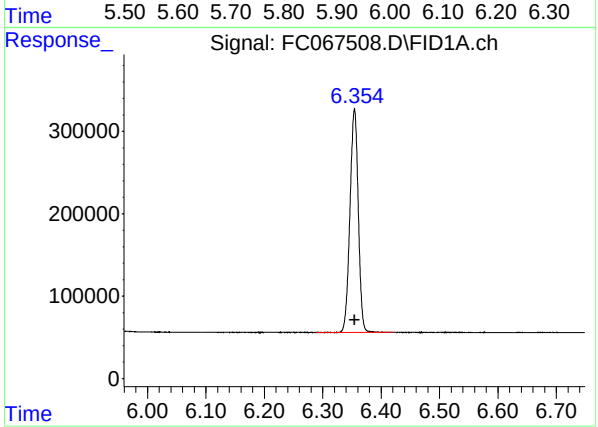
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2702691
Conc: 20.00 ug/ml



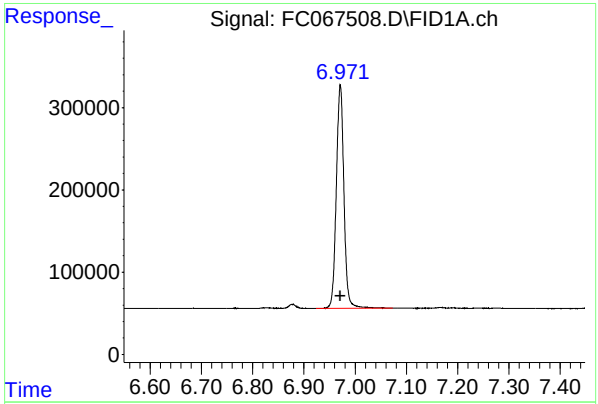
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2941492
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

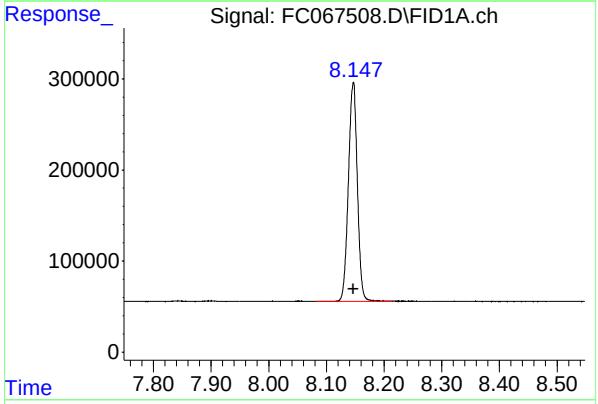
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2685213
Conc: 20.00 ug/ml



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

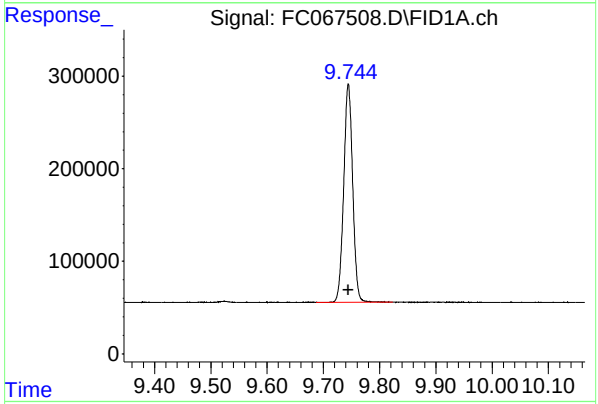
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2804469
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



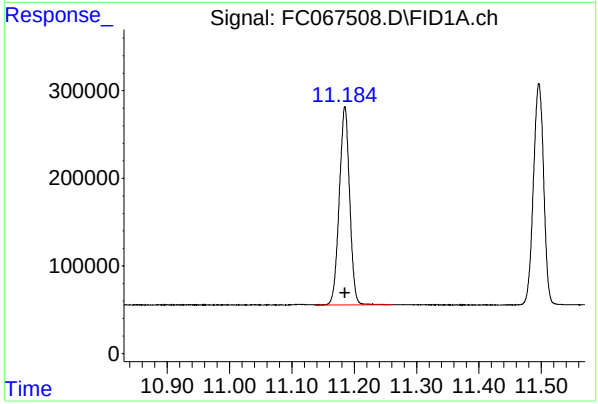
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2596600
Conc: 20.00 ug/ml



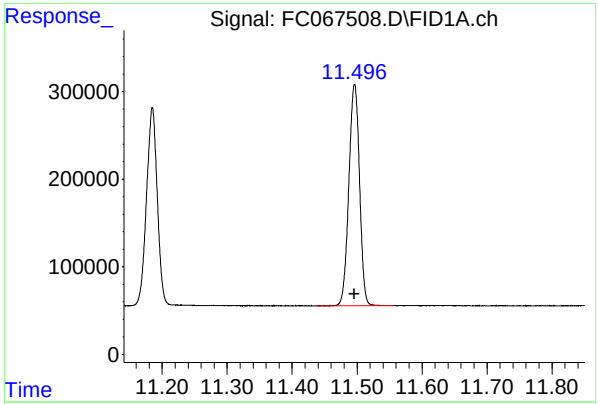
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2611645
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

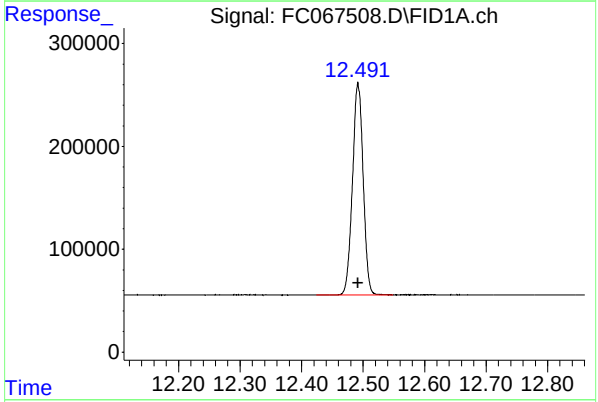
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2610385
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

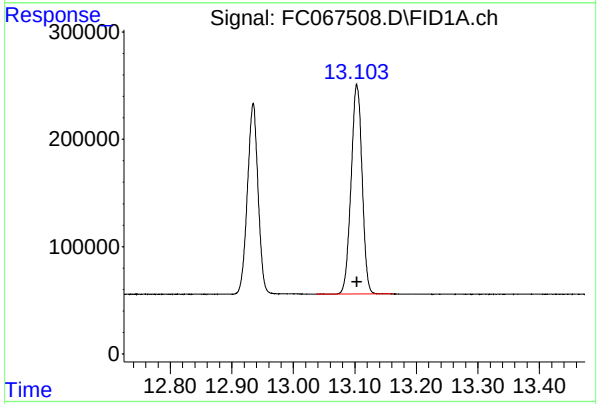
R.T.: 11.496 min
Delta R.T.: 0.000 min
Response: 2885453
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



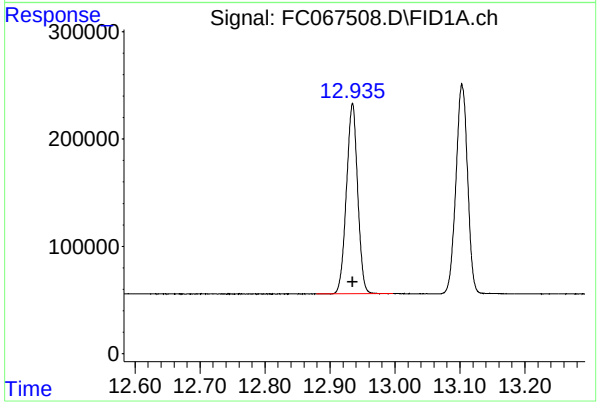
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: 0.000 min
Response: 2486010
Conc: 20.00 ug/ml



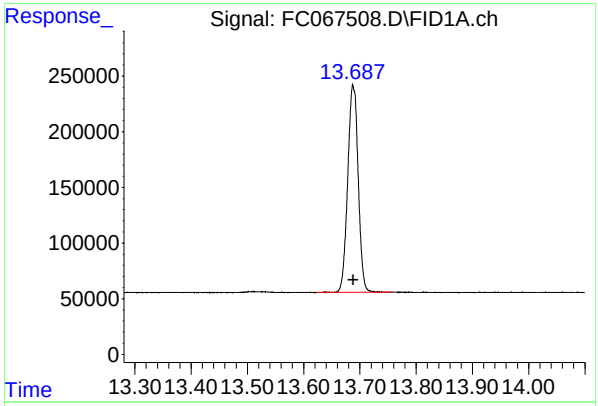
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2429615
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

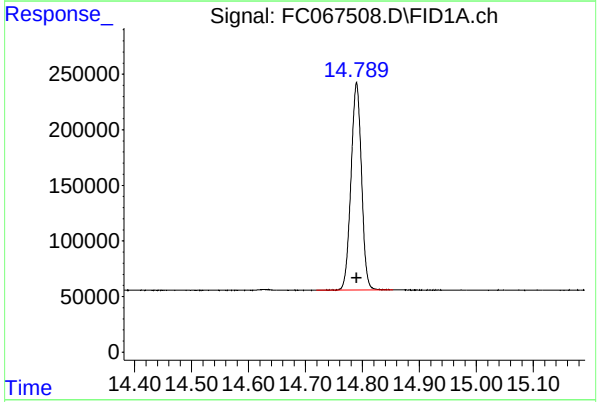
R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 2131037
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

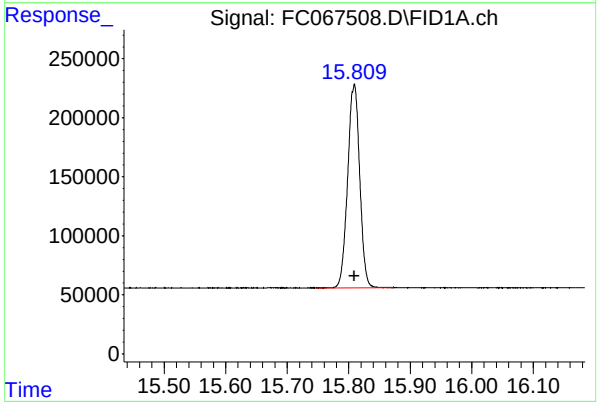
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2410406
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



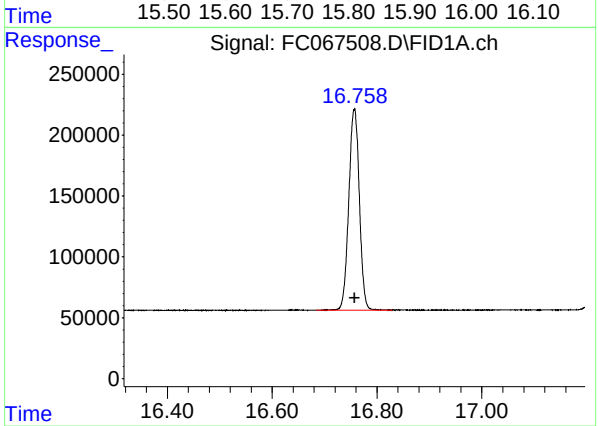
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2385181
Conc: 20.00 ug/ml



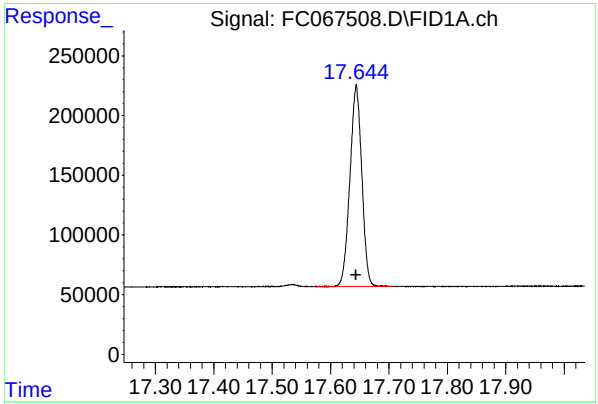
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.000 min
Response: 2344463
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

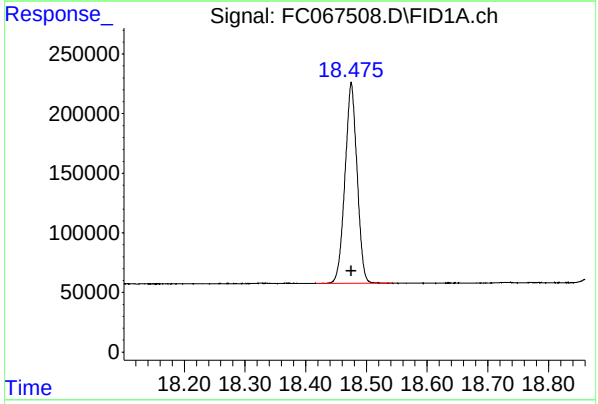
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2318777
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

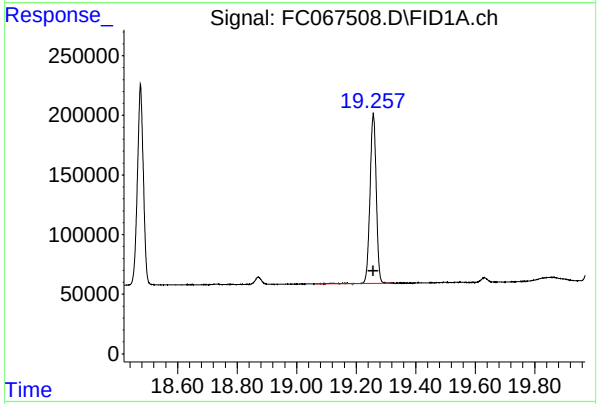
R.T.: 17.644 min
Delta R.T.: 0.000 min
Response: 2378909
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



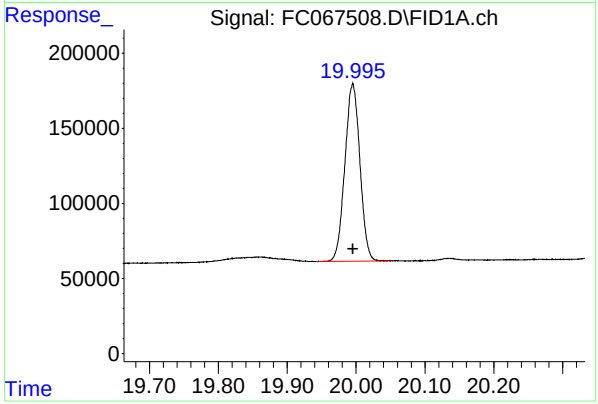
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 2323289
Conc: 20.00 ug/ml



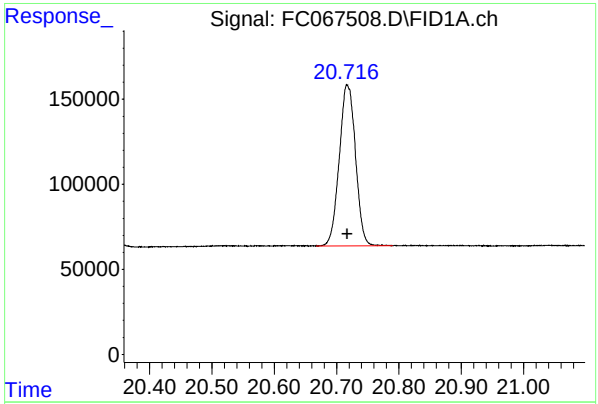
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.000 min
Response: 2065430
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

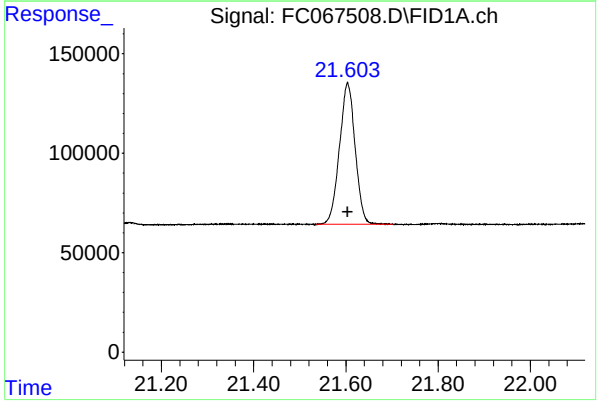
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 1794670
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 1712685
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1679680
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.275	3.245	3.325	BB	321230	2673666	90.89%	5.047%
2	4.339	4.287	4.399	BB	291890	2702691	91.88%	5.102%
3	5.916	5.860	6.005	BB	318035	2941492	100.00%	5.553%
4	6.354	6.289	6.420	BB	270407	2685213	91.29%	5.069%
5	6.971	6.924	7.074	BB	271627	2804469	95.34%	5.294%
6	8.146	8.082	8.215	BB	241446	2596600	88.27%	4.902%
7	9.745	9.687	9.824	BB	236243	2611645	88.79%	4.930%
8	11.185	11.139	11.262	BB	226739	2610385	88.74%	4.928%
9	11.496	11.437	11.555	BB	253146	2885453	98.09%	5.447%
10	12.492	12.424	12.549	BB	205716	2486010	84.52%	4.693%
11	12.935	12.879	12.997	BB	178352	2131037	72.45%	4.023%
12	13.103	13.037	13.162	BB	194305	2429615	82.60%	4.587%
13	13.688	13.622	13.759	BB	184039	2410406	81.95%	4.550%
14	14.790	14.719	14.854	BB	186782	2385181	81.09%	4.503%
15	15.809	15.747	15.872	BB	171744	2344463	79.70%	4.426%
16	16.757	16.684	16.830	BB	165164	2318777	78.83%	4.377%
17	17.644	17.575	17.707	BB	168160	2378909	80.87%	4.491%
18	18.475	18.417	18.544	BB	168488	2323289	78.98%	4.386%
19	19.258	19.065	19.324	BB	141960	2065430	70.22%	3.899%
20	19.995	19.942	20.054	PB	118336	1794670	61.01%	3.388%
21	20.718	20.667	20.790	BB	94381	1712685	58.23%	3.233%
22	21.604	21.535	21.702	BB	71304	1679680	57.10%	3.171%
			Sum of corrected areas:			52971767		

Aliphatic EPH 102324.M Wed Oct 23 18:21:40 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.495	1516253	10.457 ug/ml
Spiked Amount	50.000		Recovery =	20.91%
12) S	1-chlorooctadecane (S...	12.934	1104370	10.299 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	1392325	10.429 ug/ml
2) T	n-Decane (C10)	4.338	1408883	10.425 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	1523229	10.321 ug/ml
4) T	n-Dodecane (C12)	6.353	1397121	10.404 ug/ml
5) T	A~2-methylnaphthalene...	6.971	1445653	10.250 ug/ml
6) T	n-Tetradecane (C14)	8.146	1348794	10.363 ug/ml
7) T	n-Hexadecane (C16)	9.744	1353251	10.321 ug/ml
8) T	n-Octadecane (C18)	11.184	1362847	10.395 ug/ml
10) T	n-Eicosane (C20)	12.491	1299257	10.409 ug/ml
11) T	n-Heneicosane (C21)	13.102	1272574	10.413 ug/ml
13) T	n-Docosane (C22)	13.687	1260218	10.404 ug/ml
14) T	n-Tetracosane (C24)	14.789	1251574	10.427 ug/ml
15) T	n-Hexacosane (C26)	15.808	1226594	10.413 ug/ml
16) T	n-Octacosane (C28)	16.756	1213286	10.461 ug/ml
17) T	n-Tricontane (C30)	17.643	1249088	10.570 ug/ml
18) T	n-Dotriacontane (C32)	18.474	1225099	10.667 ug/ml
19) T	n-Tetratriacontane (C34)	19.257	1087201	10.641 ug/ml
20) T	n-Hexatriacontane (C36)	19.995	941330	10.535 ug/ml
21) T	n-Octatriacontane (C38)	20.719	898154	10.530 ug/ml
22) T	n-Tetracontane (C40)	21.604	882650	10.523 ug/ml

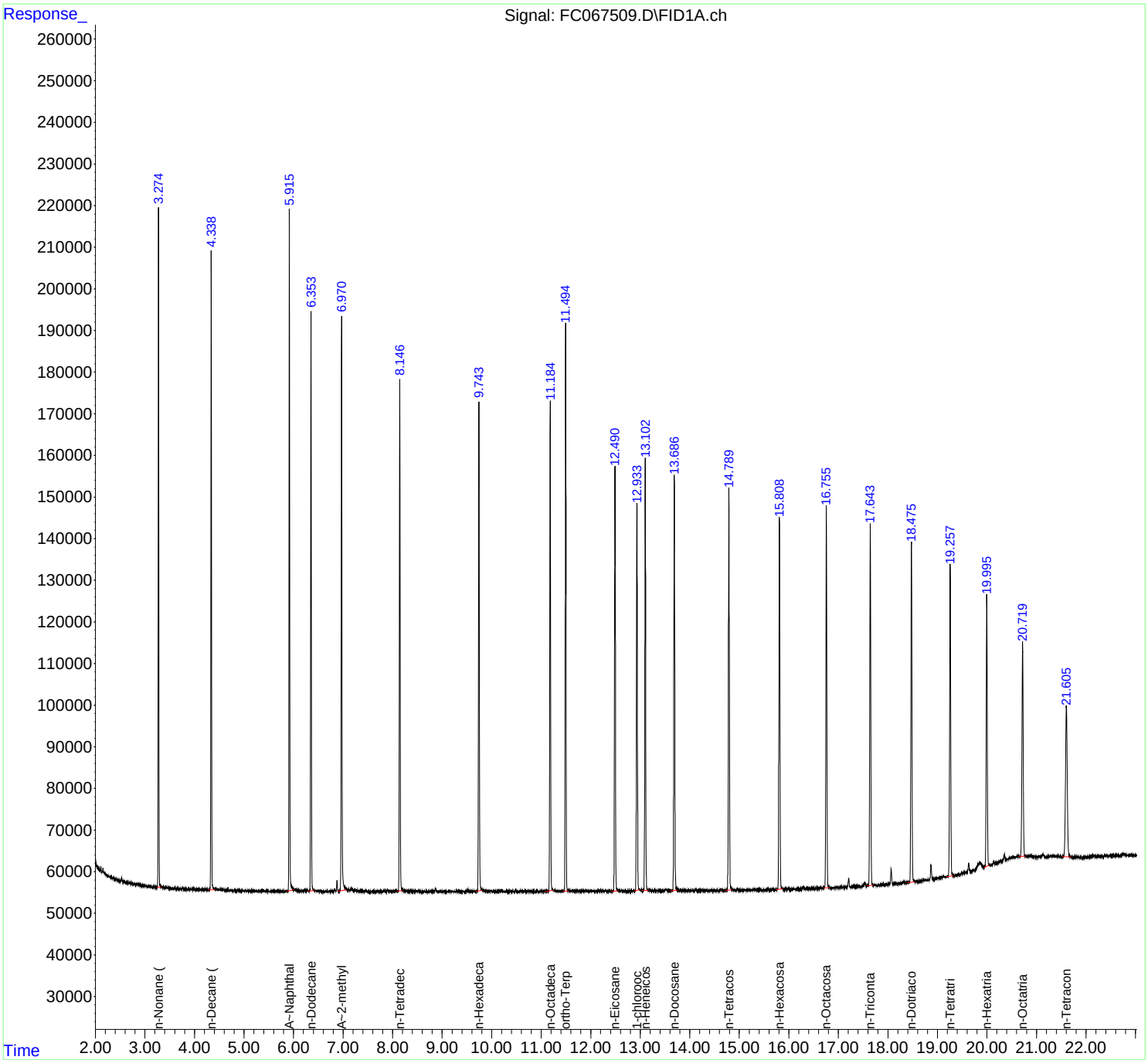
(f)=RT Delta > 1/2 Window (m)=manual int.

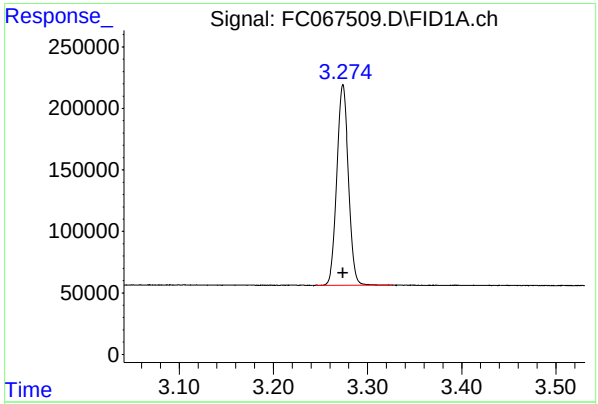
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

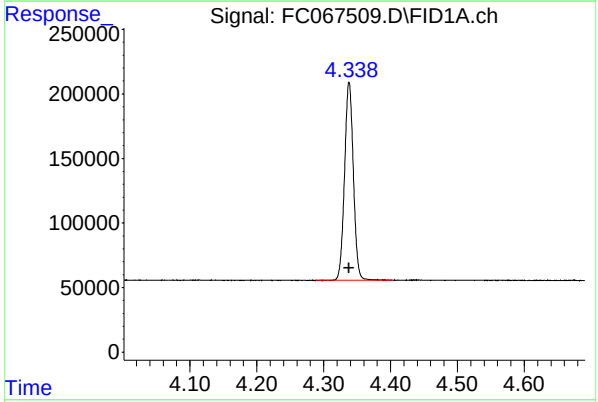




#1 n-Nonane (C9)

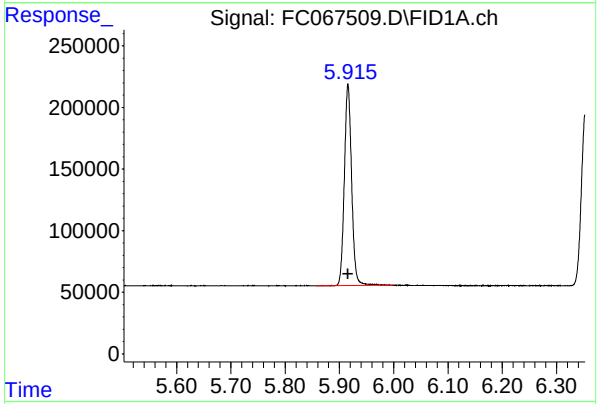
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 1392325
Conc: 10.43 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



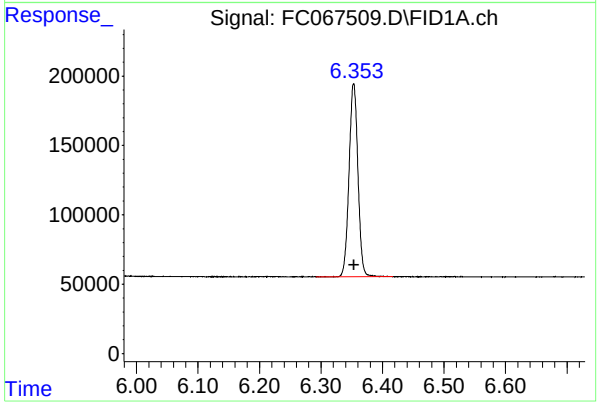
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 1408883
Conc: 10.42 ug/ml



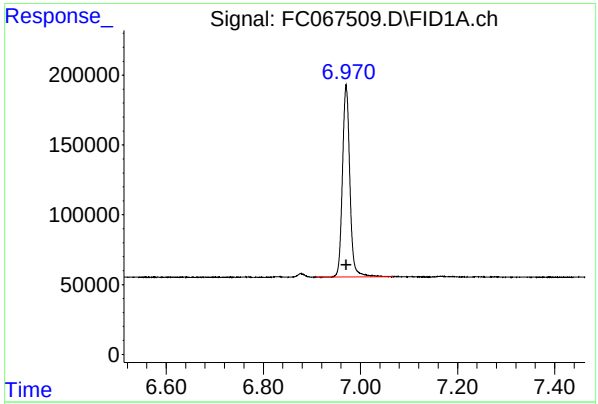
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 1523229
Conc: 10.32 ug/ml



#4 n-Dodecane (C12)

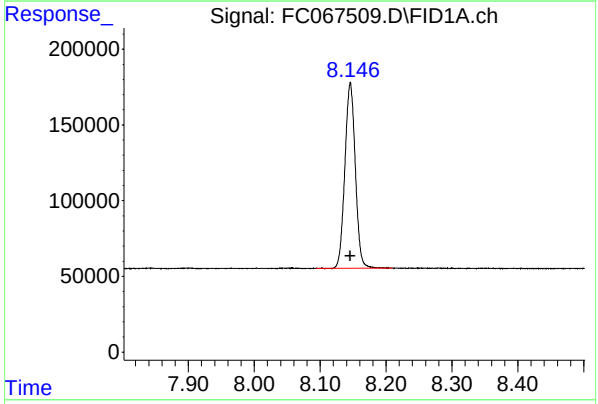
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1397121
Conc: 10.40 ug/ml



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

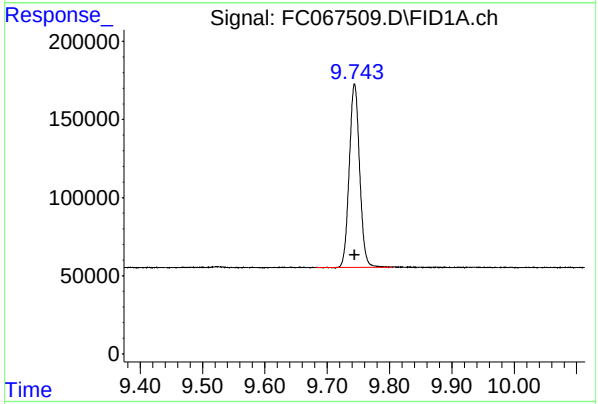
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 1445653
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



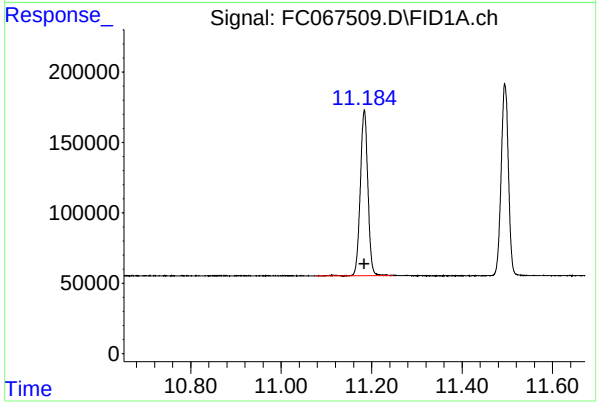
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1348794
Conc: 10.36 ug/ml



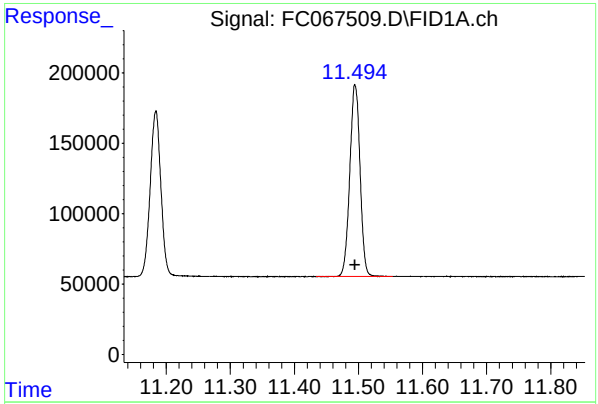
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 1353251
Conc: 10.32 ug/ml



#8 n-Octadecane (C18)

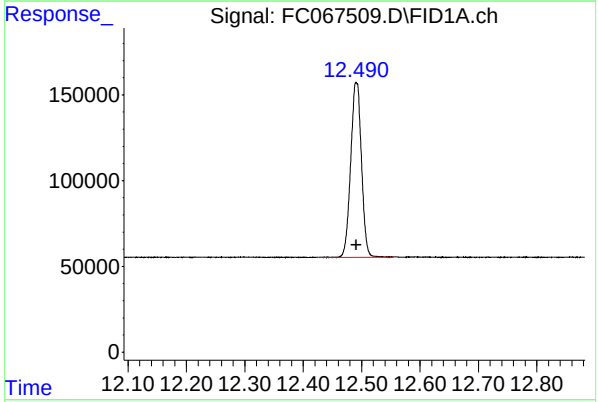
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 1362847
Conc: 10.39 ug/ml



#9 ortho-Terphenyl (SURR)

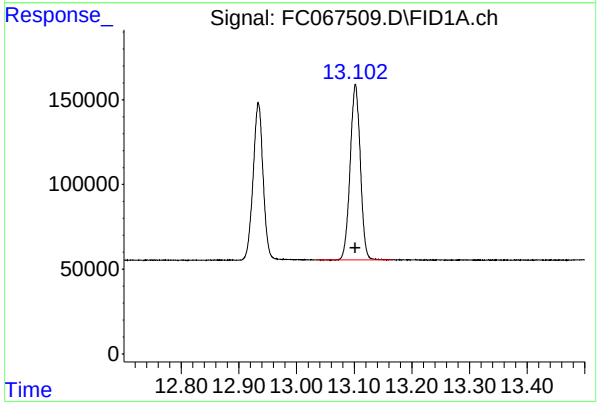
R.T.: 11.495 min
Delta R.T.: 0.000 min
Response: 1516253
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



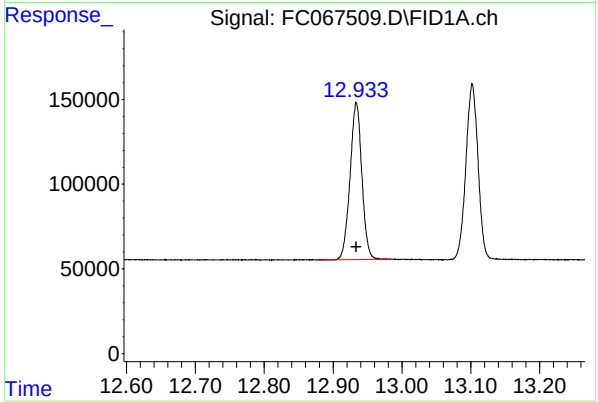
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 1299257
Conc: 10.41 ug/ml



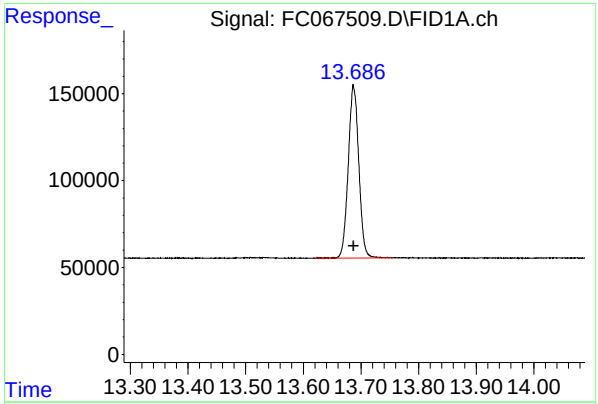
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 1272574
Conc: 10.41 ug/ml



#12 1-chlorooctadecane (SURR)

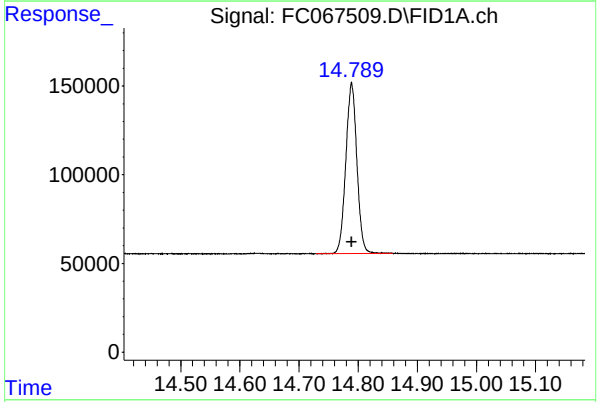
R.T.: 12.934 min
Delta R.T.: 0.000 min
Response: 1104370
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

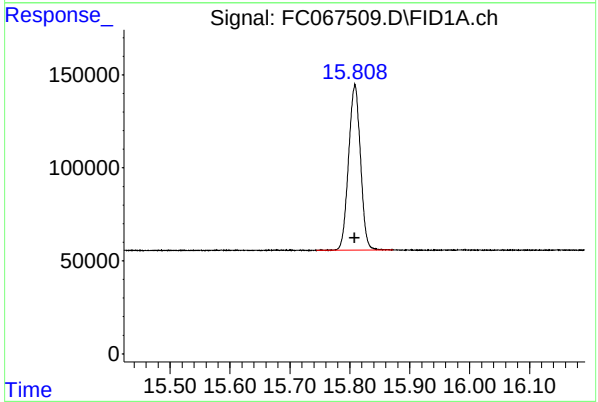
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1260218
Conc: 10.40 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



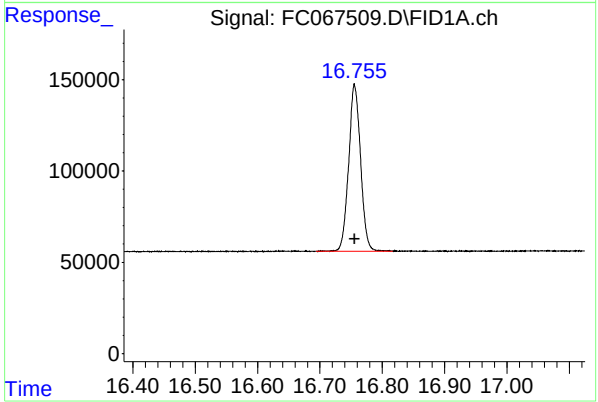
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 1251574
Conc: 10.43 ug/ml



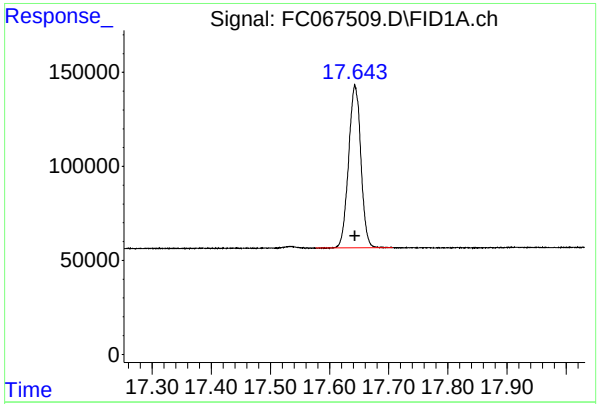
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 1226594
Conc: 10.41 ug/ml



#16 n-Octacosane (C28)

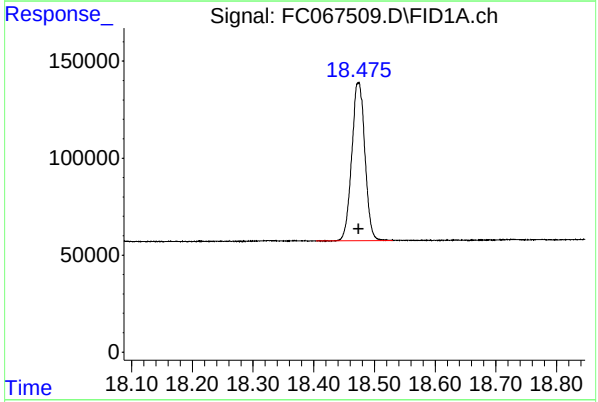
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 1213286
Conc: 10.46 ug/ml



#17 n-Tricontane (C30)

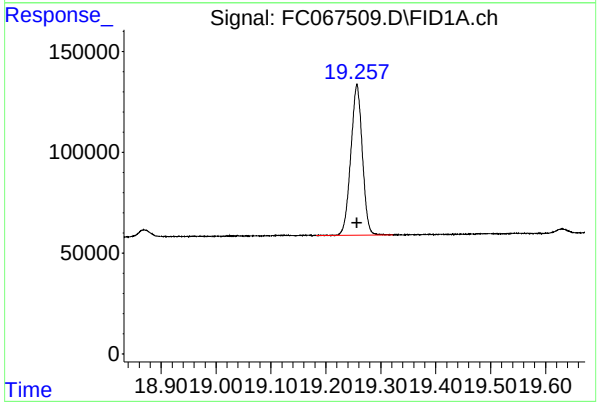
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 1249088
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



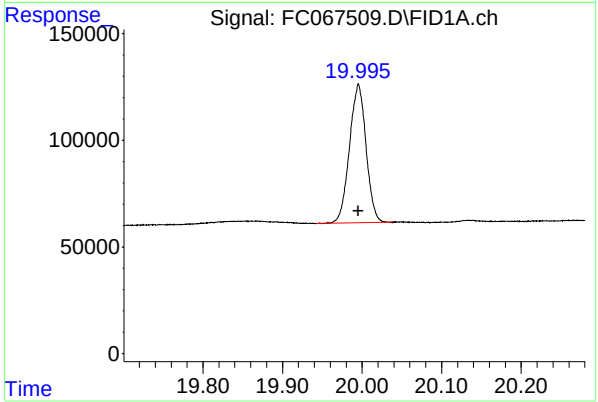
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 1225099
Conc: 10.67 ug/ml



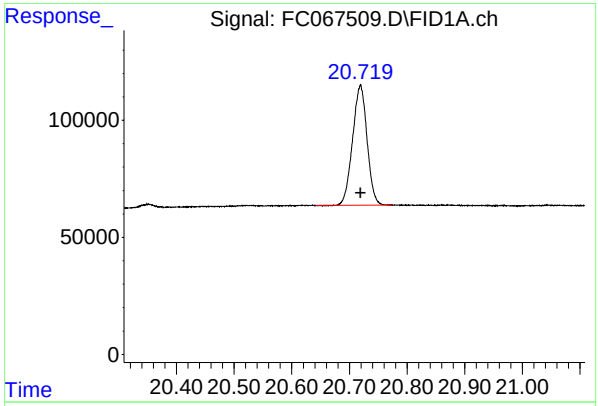
#19 n-Tetratriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 1087201
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

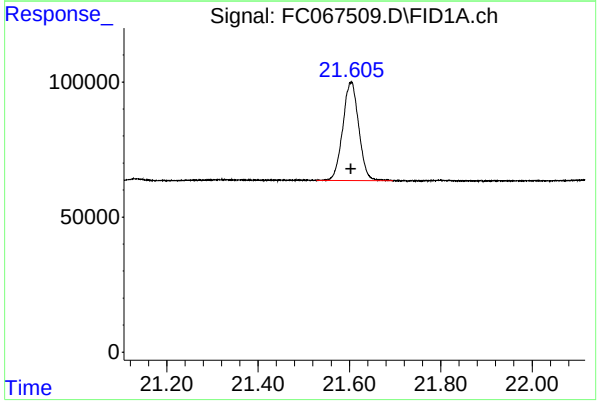
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 941330
Conc: 10.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 898154
Conc: 10.53 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 882650
Conc: 10.52 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.327	BB	163023	1392325	91.41%	5.034%
2	4.338	4.289	4.404	BB	153448	1408883	92.49%	5.094%
3	5.916	5.857	5.999	BB	163420	1523229	100.00%	5.507%
4	6.353	6.292	6.417	BB	139335	1397121	91.72%	5.051%
5	6.971	6.909	7.067	BB	137359	1445653	94.91%	5.227%
6	8.146	8.094	8.210	BB	122199	1348794	88.55%	4.876%
7	9.744	9.682	9.805	BB	117477	1353251	88.84%	4.892%
8	11.184	11.077	11.247	BB	117457	1362847	89.47%	4.927%
9	11.495	11.434	11.554	BB	135385	1516253	99.54%	5.482%
10	12.491	12.422	12.554	BB	101975	1299257	85.30%	4.697%
11	12.934	12.875	12.987	BB	92846	1104370	72.50%	3.993%
12	13.102	13.034	13.167	BB	103848	1272574	83.54%	4.601%
13	13.687	13.622	13.755	BB	98770	1260218	82.73%	4.556%
14	14.789	14.729	14.859	BB	96250	1251574	82.17%	4.525%
15	15.808	15.744	15.872	BB	89337	1226594	80.53%	4.435%
16	16.756	16.694	16.817	BB	91173	1213286	79.65%	4.386%
17	17.643	17.577	17.707	BB	85908	1249088	82.00%	4.516%
18	18.474	18.404	18.530	BB	81392	1225099	80.43%	4.429%
19	19.257	19.182	19.322	BB	75084	1087201	71.37%	3.931%
20	19.995	19.942	20.039	BB	65222	941330	61.80%	3.403%
21	20.719	20.642	20.775	BB	51277	898154	58.96%	3.247%
22	21.604	21.527	21.695	BB	35971	882650	57.95%	3.191%
			Sum of corrected areas:			27659751		

Aliphatic EPH 102324.M Wed Oct 23 18:21:58 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.494	768220	5.236 ug/ml
Spiked Amount	50.000		Recovery =	10.47%
12) S	1-chlorooctadecane (S...	12.933	555182	5.141 ug/ml
Spiked Amount	50.000		Recovery =	10.28%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	697792	5.180 ug/ml
2) T	n-Decane (C10)	4.339	703136	5.161 ug/ml
3) T	A~Naphthalene (C11.7)	5.917	752949	5.081 ug/ml
4) T	n-Dodecane (C12)	6.354	700270	5.170 ug/ml
5) T	A~2-methylnaphthalene...	6.971	709834	5.026 ug/ml
6) T	n-Tetradecane (C14)	8.146	678328	5.168 ug/ml
7) T	n-Hexadecane (C16)	9.744	680213	5.149 ug/ml
8) T	n-Octadecane (C18)	11.184	680709	5.152 ug/ml
10) T	n-Eicosane (C20)	12.491	658066	5.215 ug/ml
11) T	n-Heneicosane (C21)	13.102	641065	5.194 ug/ml
13) T	n-Docosane (C22)	13.687	638712	5.216 ug/ml
14) T	n-Tetracosane (C24)	14.789	629495	5.193 ug/ml
15) T	n-Hexacosane (C26)	15.808	620443	5.211 ug/ml
16) T	n-Octacosane (C28)	16.758	621629	5.284 ug/ml
17) T	n-Tricontane (C30)	17.643	658247	5.446 ug/ml
18) T	n-Dotriacontane (C32)	18.474	660916	5.586 ug/ml
19) T	n-Tetratriacontane (C34)	19.256	574804	5.489 ug/ml
20) T	n-Hexatriacontane (C36)	19.994	488556	5.367 ug/ml
21) T	n-Octatriacontane (C38)	20.718	459107	5.301 ug/ml
22) T	n-Tetracontane (C40)	21.603	447730	5.267 ug/ml

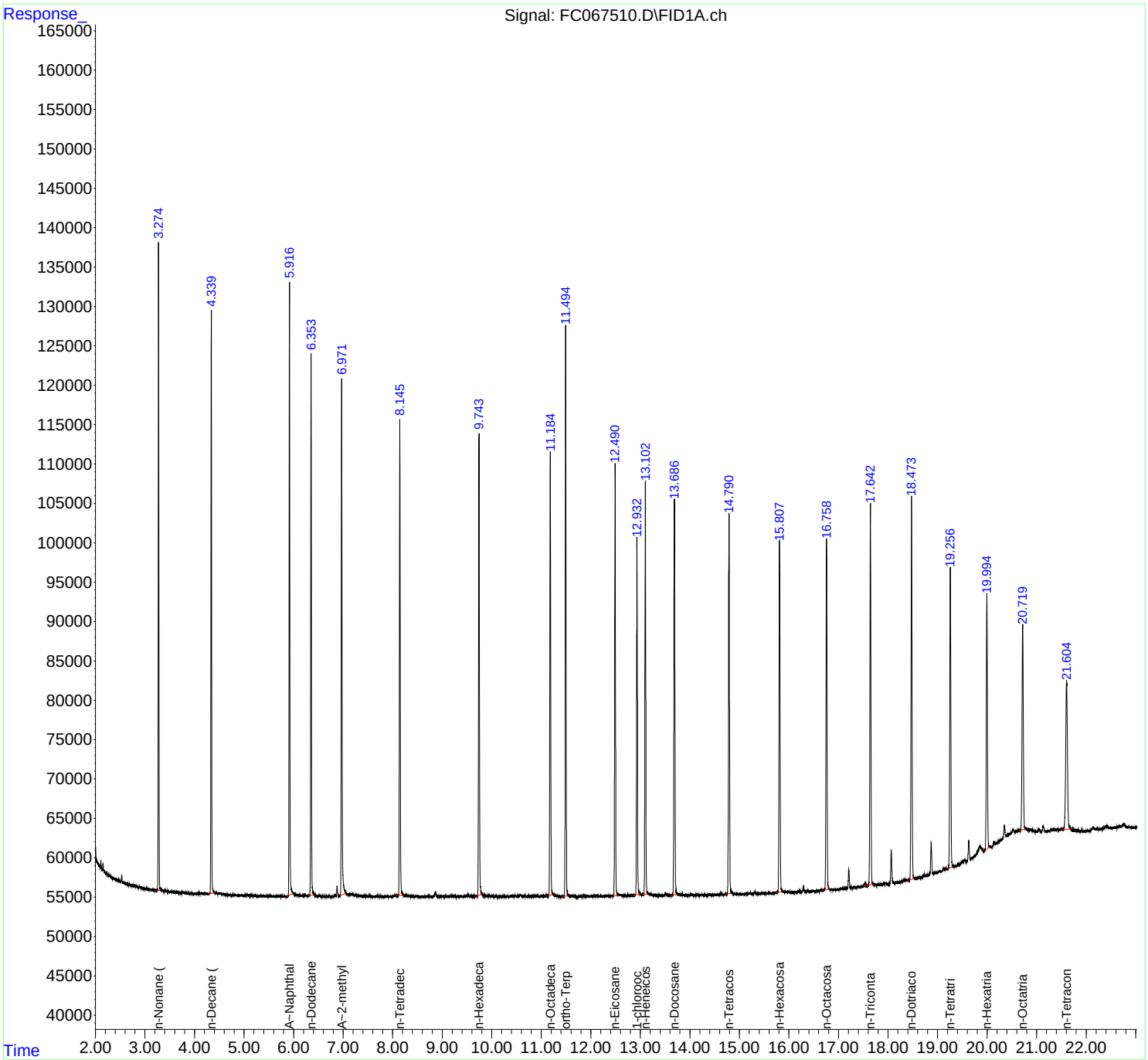
(f)=RT Delta > 1/2 Window (m)=manual int.

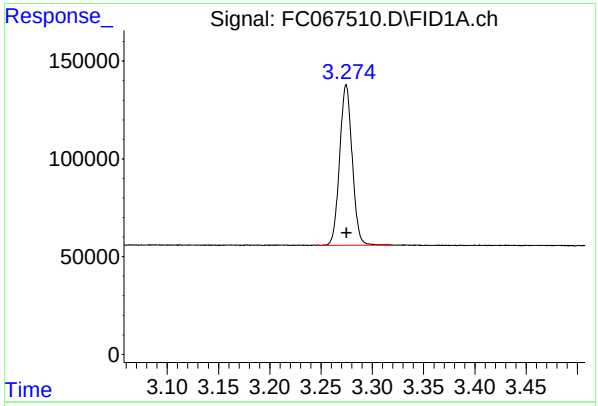
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

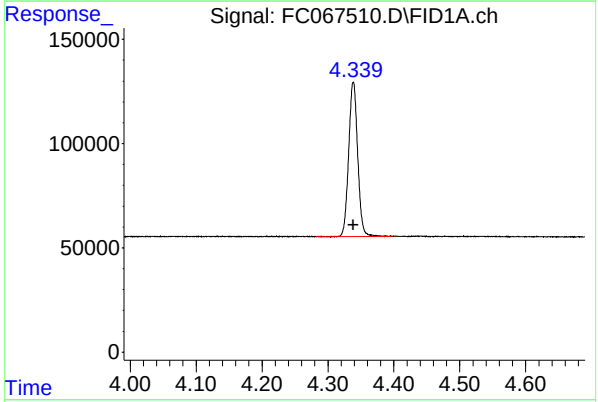




#1 n-Nonane (C9)

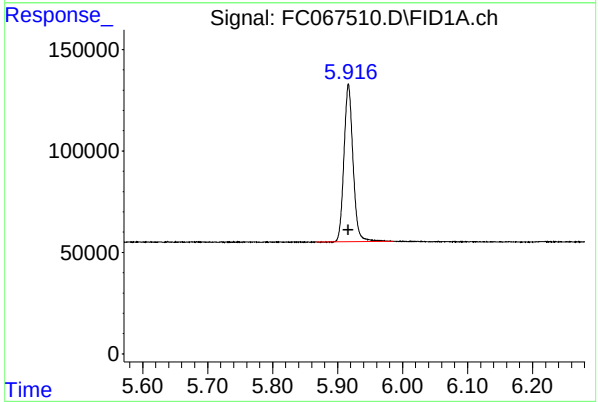
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 697792
Conc: 5.18 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



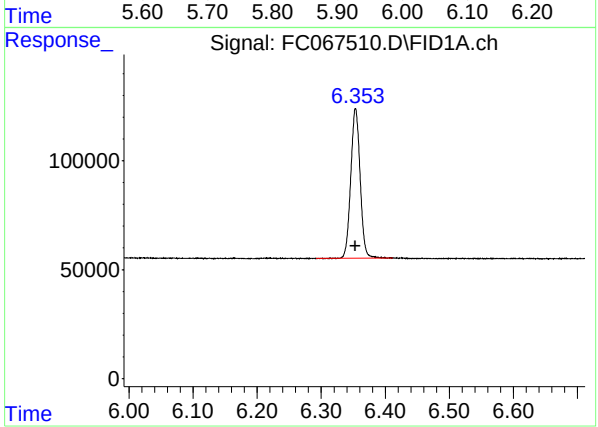
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 703136
Conc: 5.16 ug/ml



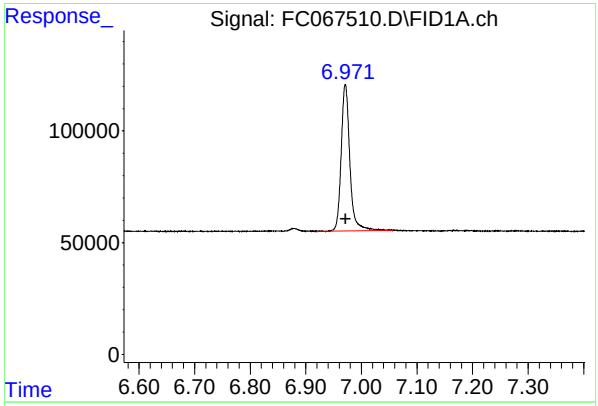
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 752949
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

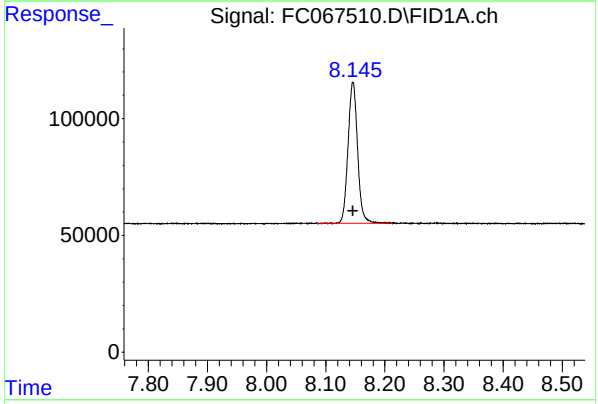
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 700270
Conc: 5.17 ug/ml



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

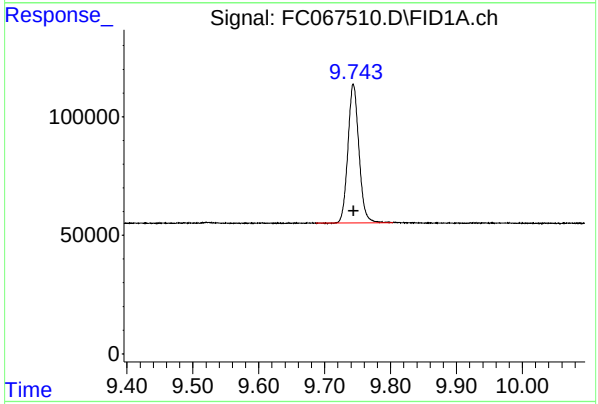
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 709834
Conc: 5.03 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



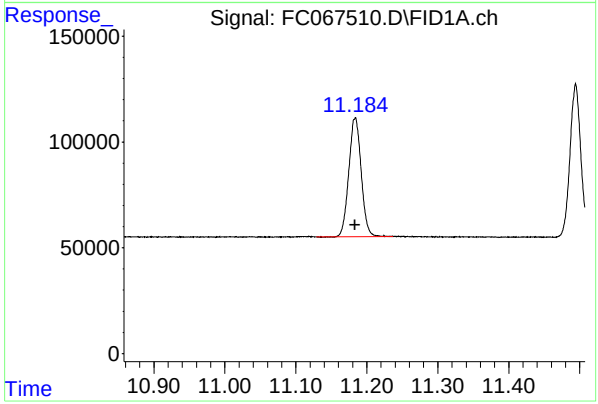
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 678328
Conc: 5.17 ug/ml



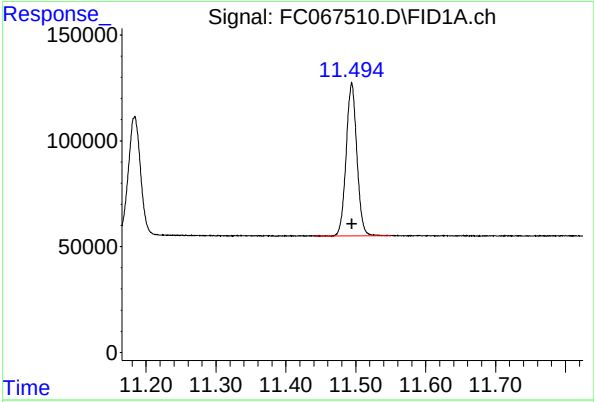
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 680213
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

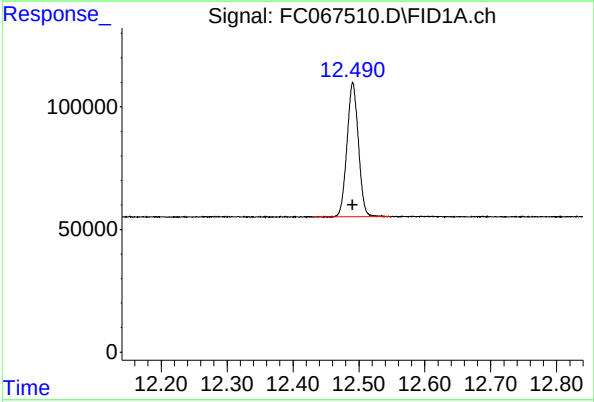
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 680709
Conc: 5.15 ug/ml



#9 ortho-Terphenyl (SURR)

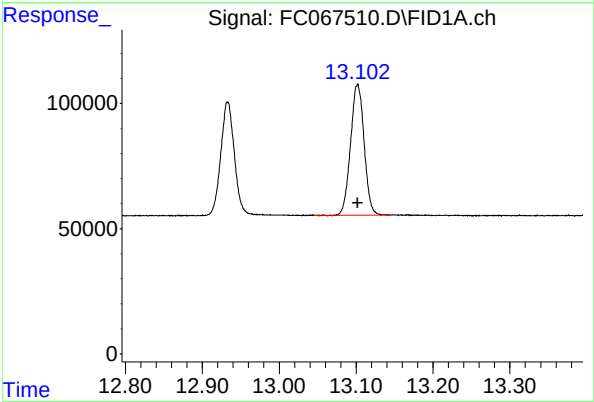
R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 768220
Conc: 5.24 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



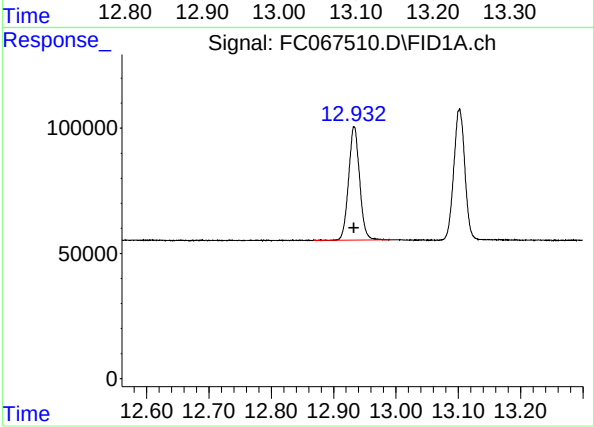
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 658066
Conc: 5.22 ug/ml



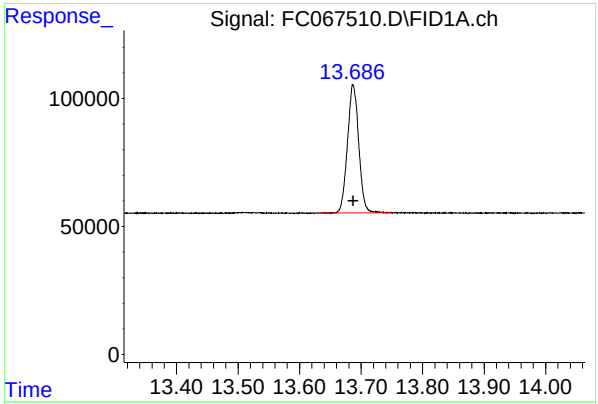
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 641065
Conc: 5.19 ug/ml



#12 1-chlorooctadecane (SURR)

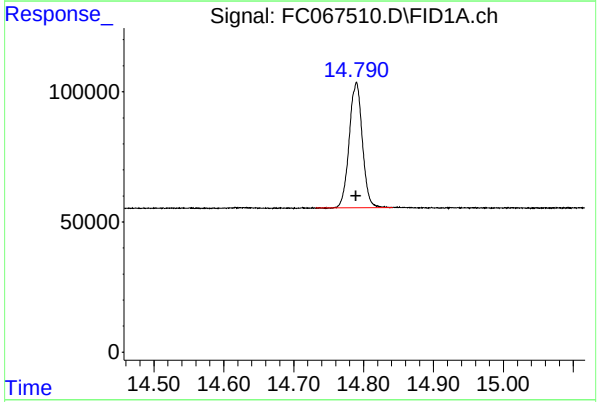
R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 555182
Conc: 5.14 ug/ml



#13 n-Docosane (C22)

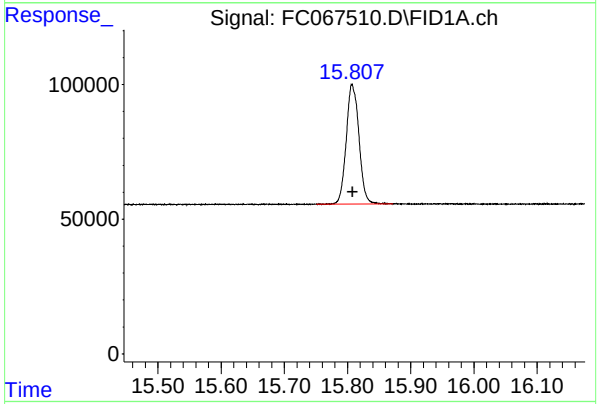
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 638712
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



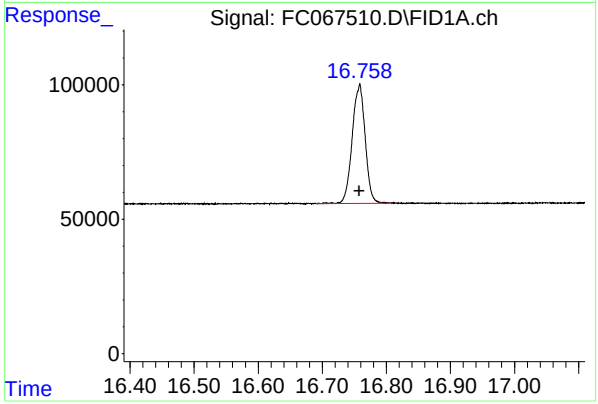
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 629495
Conc: 5.19 ug/ml



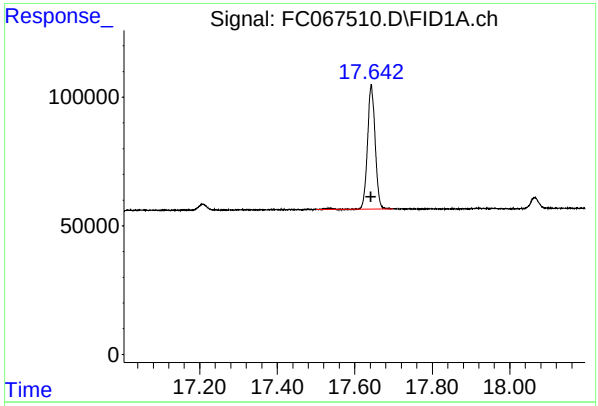
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 620443
Conc: 5.21 ug/ml



#16 n-Octacosane (C28)

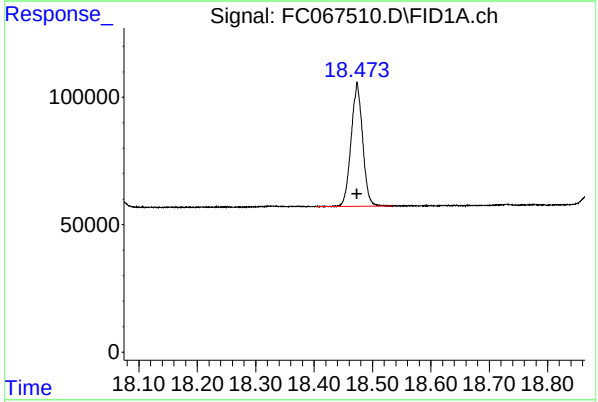
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 621629
Conc: 5.28 ug/ml



#17 n-Tricontane (C30)

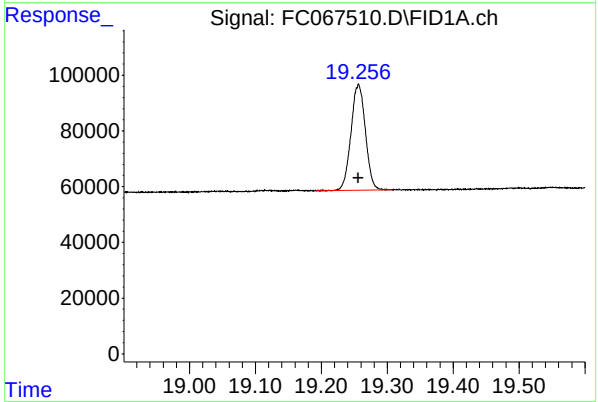
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 658247
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



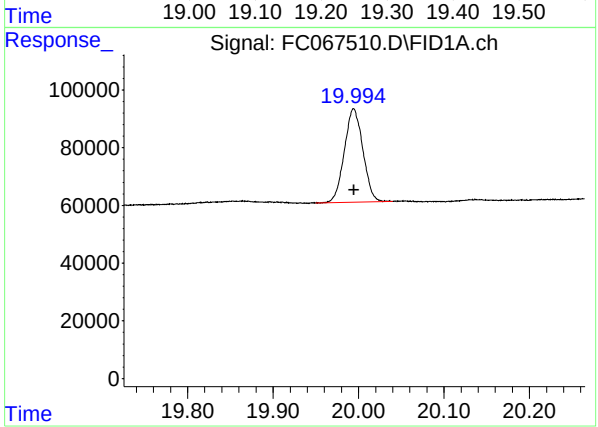
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 660916
Conc: 5.59 ug/ml



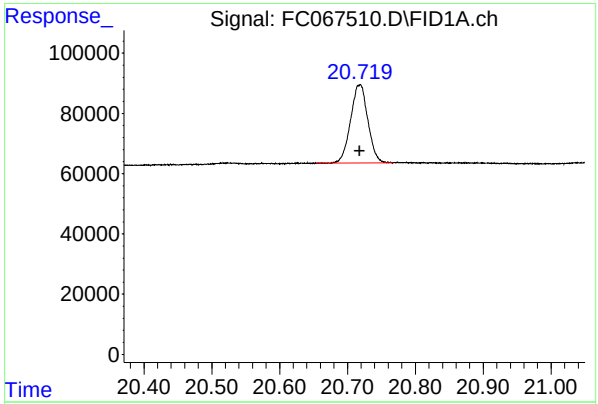
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: 0.000 min
Response: 574804
Conc: 5.49 ug/ml



#20 n-Hexatriacontane (C36)

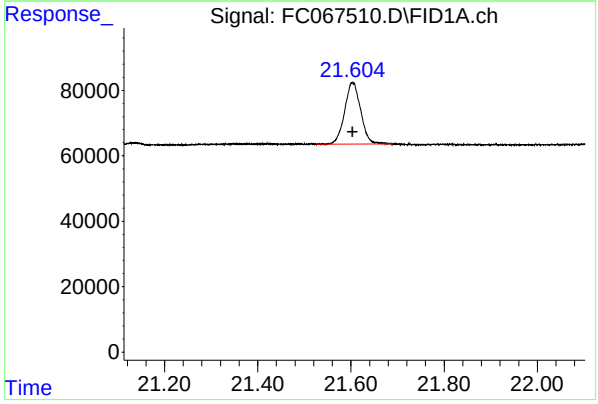
R.T.: 19.994 min
Delta R.T.: 0.000 min
Response: 488556
Conc: 5.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 459107
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.603 min
Delta R.T.: 0.000 min
Response: 447730
Conc: 5.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.275	3.245	3.320	BB	82274	697792	90.83%	4.975%
2	4.339	4.282	4.399	BB	74065	703136	91.53%	5.013%
3	5.917	5.867	5.985	BB	77688	752949	98.01%	5.368%
4	6.354	6.292	6.412	BB	68794	700270	91.15%	4.993%
5	6.971	6.919	7.057	BB	65640	709834	92.40%	5.061%
6	8.146	8.084	8.214	BB	60655	678328	88.30%	4.836%
7	9.744	9.687	9.804	BB	58521	680213	88.54%	4.850%
8	11.184	11.129	11.237	BB	55995	680709	88.61%	4.853%
9	11.494	11.440	11.550	BB	71976	768220	100.00%	5.477%
10	12.491	12.432	12.549	BB	54755	658066	85.66%	4.692%
11	12.933	12.869	12.992	BB	45156	555182	72.27%	3.958%
12	13.102	13.045	13.145	BB	52087	641065	83.45%	4.571%
13	13.687	13.627	13.752	BB	50083	638712	83.14%	4.554%
14	14.789	14.732	14.842	BB	47789	629495	81.94%	4.488%
15	15.808	15.750	15.872	BB	43825	620443	80.76%	4.424%
16	16.758	16.690	16.810	BB	44656	621629	80.92%	4.432%
17	17.643	17.500	17.699	BB	47945	658247	85.68%	4.693%
18	18.474	18.404	18.535	BB	48459	660916	86.03%	4.712%
19	19.256	19.192	19.309	BB	38187	574804	74.82%	4.098%
20	19.994	19.950	20.040	BB	32420	488556	63.60%	3.483%
21	20.718	20.654	20.767	BB	25975	459107	59.76%	3.273%
22	21.603	21.525	21.690	BB	18849	447730	58.28%	3.192%
			Sum of corrected areas:			14025400		

Aliphatic EPH 102324.M Wed Oct 23 18:22:16 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.496	2853188	19.445 ug/ml
Spiked Amount	50.000		Recovery =	38.89%
12) S	1-chlorooctadecane (S...	12.935	2112213	19.560 ug/ml
Spiked Amount	50.000		Recovery =	39.12%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	2613683	19.401 ug/ml
2) T	n-Decane (C10)	4.339	2649286	19.445 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	2894144	19.530 ug/ml
4) T	n-Dodecane (C12)	6.354	2640477	19.495 ug/ml
5) T	A~2-methylnaphthalene...	6.971	2771002	19.622 ug/ml
6) T	n-Tetradecane (C14)	8.147	2559793	19.502 ug/ml
7) T	n-Hexadecane (C16)	9.744	2585935	19.575 ug/ml
8) T	n-Octadecane (C18)	11.185	2593351	19.630 ug/ml
10) T	n-Eicosane (C20)	12.493	2466507	19.548 ug/ml
11) T	n-Heneicosane (C21)	13.103	2414000	19.560 ug/ml
13) T	n-Docosane (C22)	13.688	2390568	19.523 ug/ml
14) T	n-Tetracosane (C24)	14.790	2369147	19.546 ug/ml
15) T	n-Hexacosane (C26)	15.809	2326770	19.544 ug/ml
16) T	n-Octacosane (C28)	16.757	2297199	19.526 ug/ml
17) T	n-Tricontane (C30)	17.643	2353840	19.474 ug/ml
18) T	n-Dotriacontane (C32)	18.474	2301371	19.450 ug/ml
19) T	n-Tetratriacontane (C34)	19.258	2044186	19.519 ug/ml
20) T	n-Hexatriacontane (C36)	19.996	1784212	19.601 ug/ml
21) T	n-Octatriacontane (C38)	20.719	1698313	19.610 ug/ml
22) T	n-Tetracontane (C40)	21.604	1661417	19.544 ug/ml

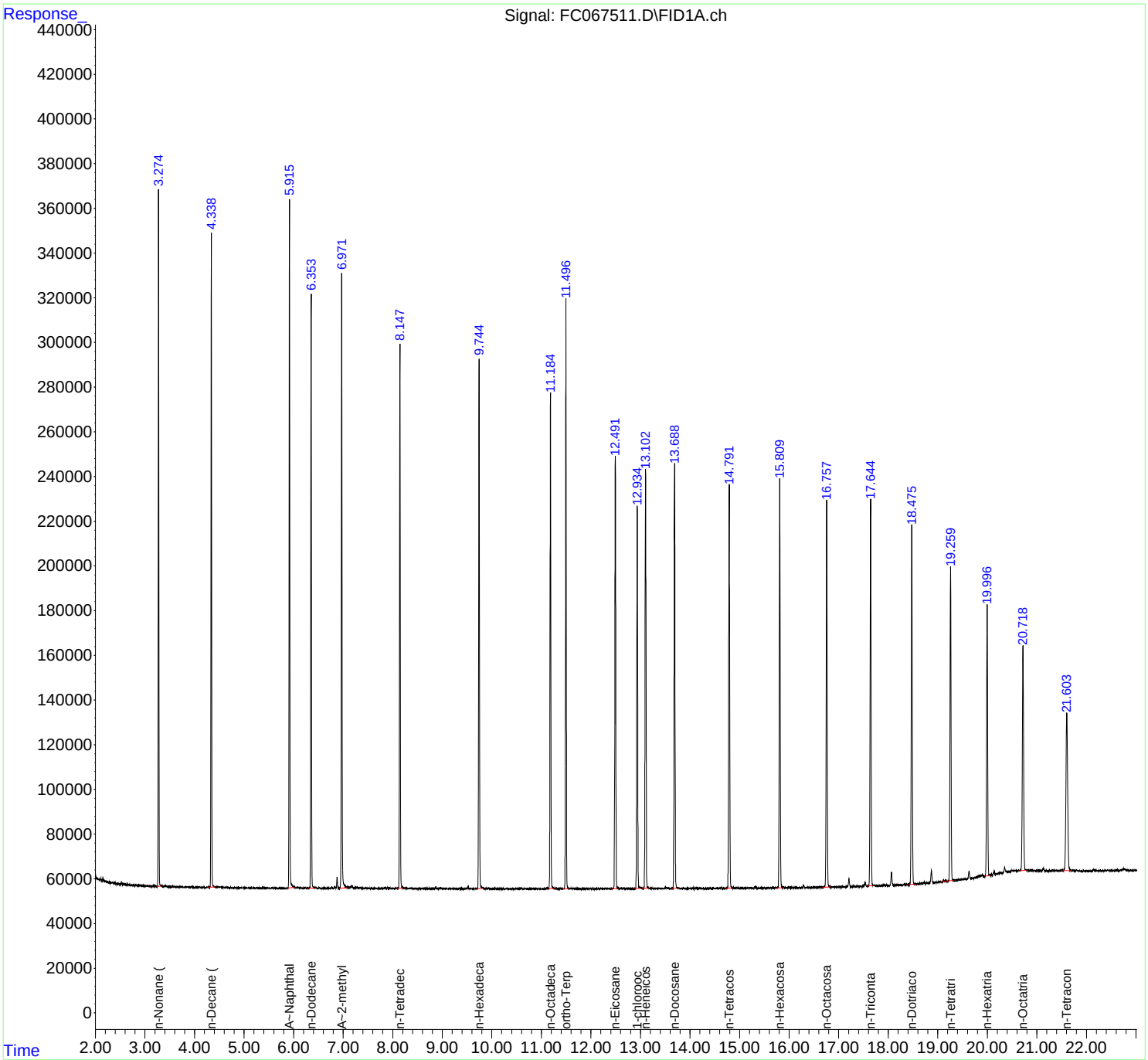
(f)=RT Delta > 1/2 Window (m)=manual int.

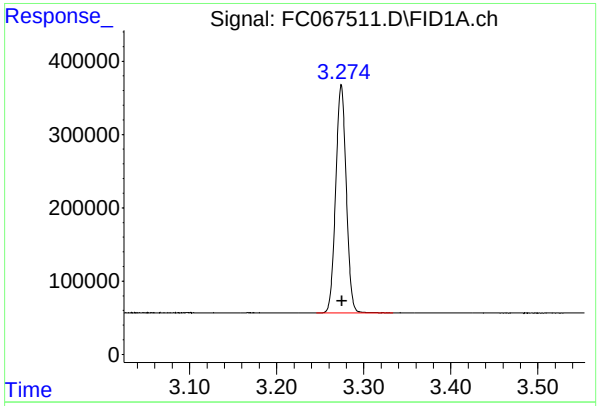
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

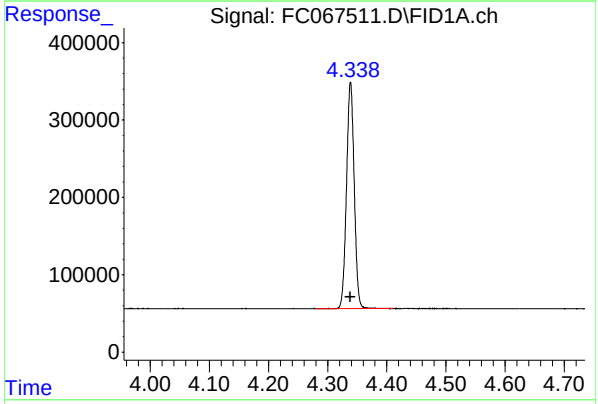




#1 n-Nonane (C9)

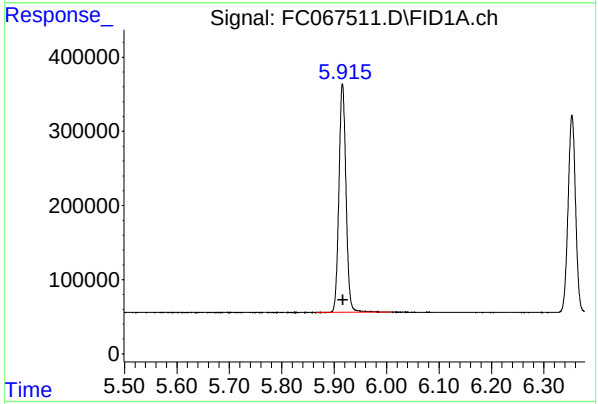
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2613683
Conc: 19.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



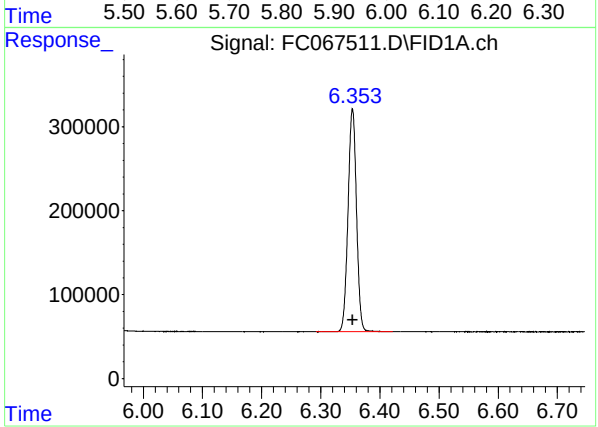
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2649286
Conc: 19.44 ug/ml



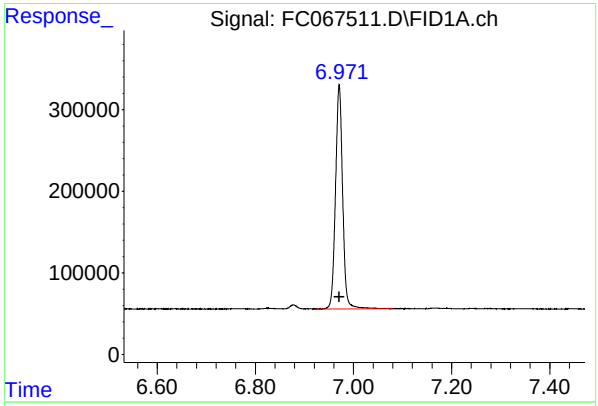
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2894144
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

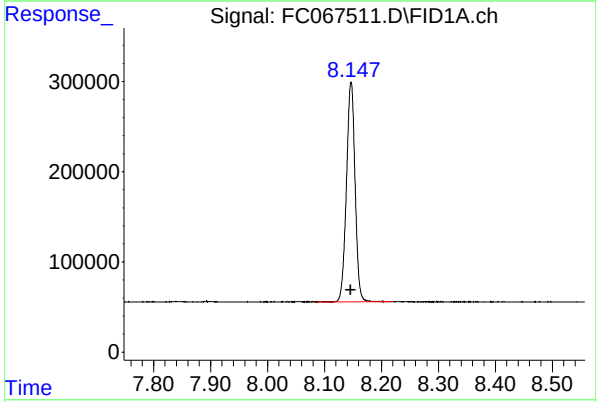
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2640477
Conc: 19.50 ug/ml



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

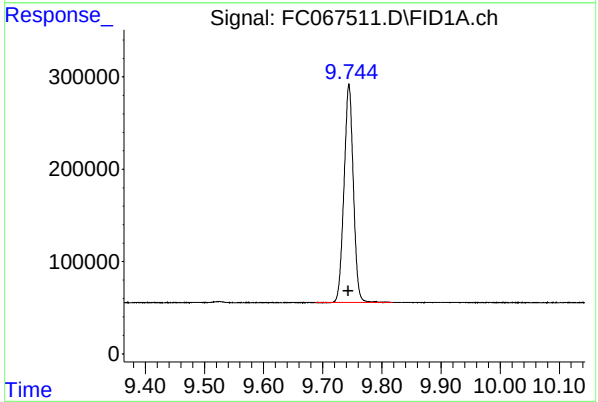
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2771002
Conc: 19.62 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



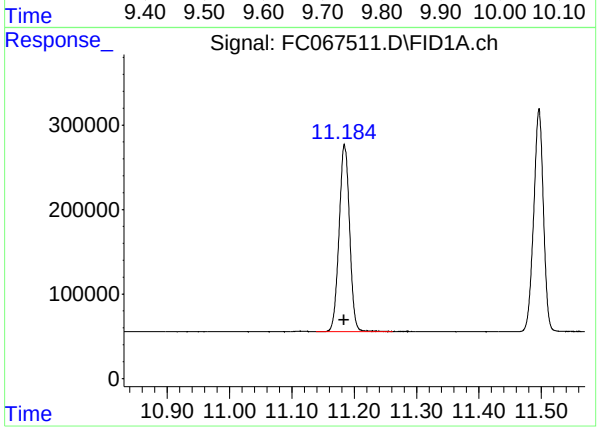
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.000 min
Response: 2559793
Conc: 19.50 ug/ml



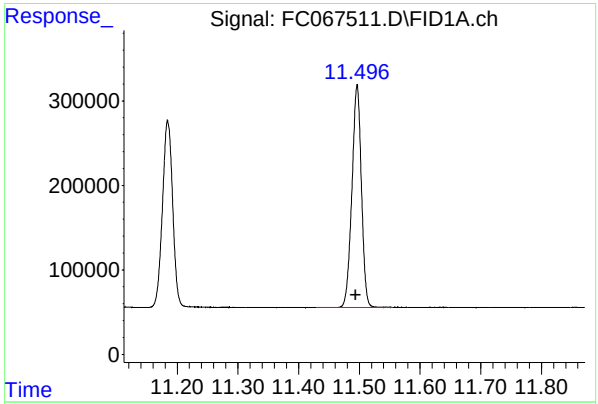
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 2585935
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

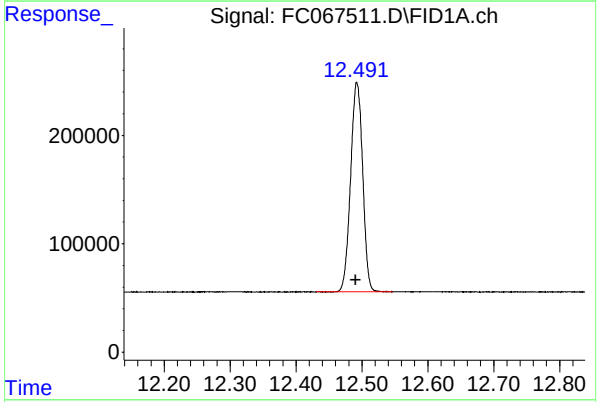
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2593351
Conc: 19.63 ug/ml



#9 ortho-Terphenyl (SURR)

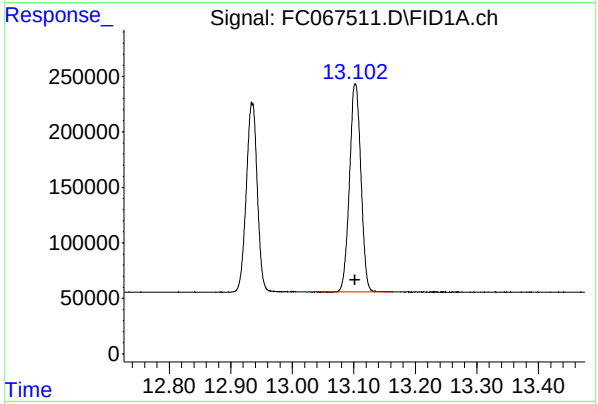
R.T.: 11.496 min
Delta R.T.: 0.002 min
Response: 2853188
Conc: 19.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



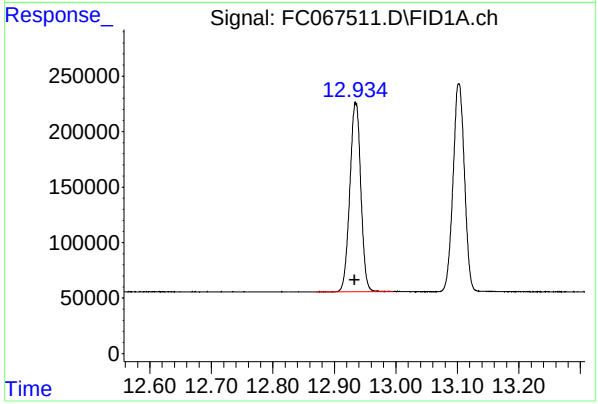
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.002 min
Response: 2466507
Conc: 19.55 ug/ml



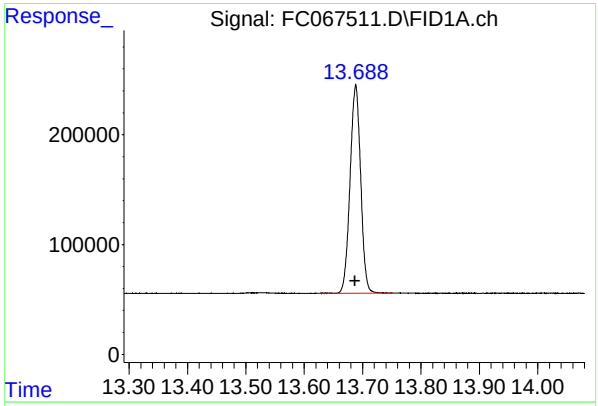
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2414000
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

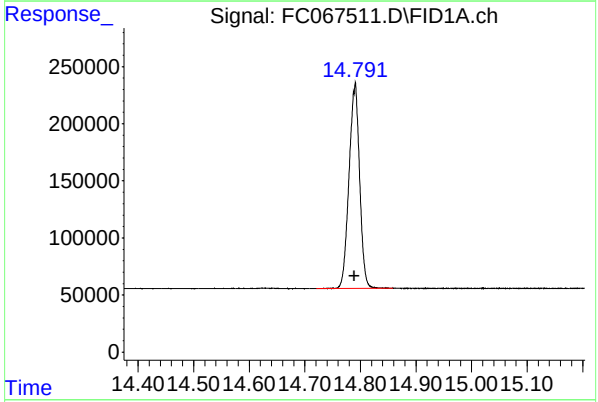
R.T.: 12.935 min
Delta R.T.: 0.002 min
Response: 2112213
Conc: 19.56 ug/ml



#13 n-Docosane (C22)

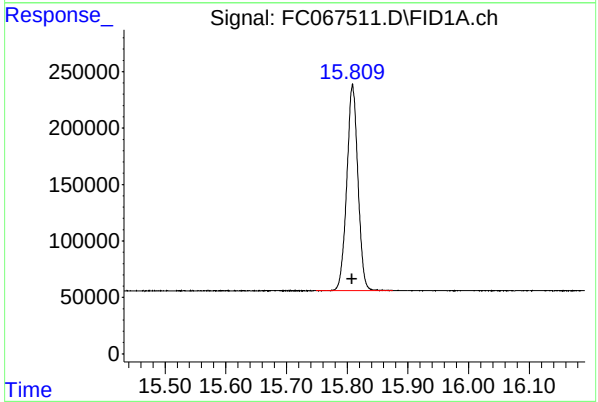
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2390568
Conc: 19.52 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



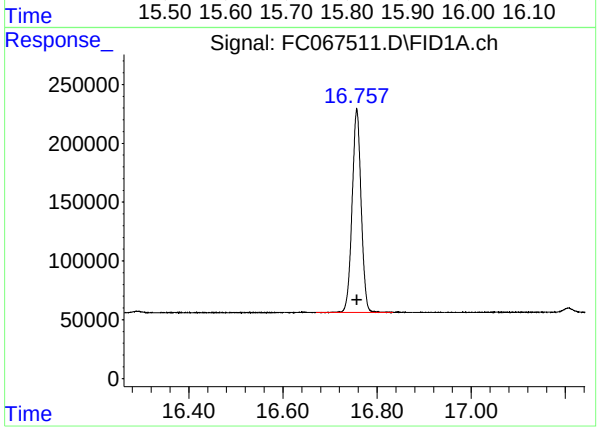
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2369147
Conc: 19.55 ug/ml



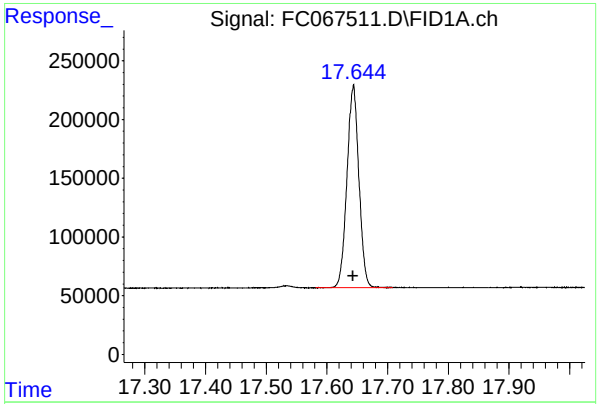
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.001 min
Response: 2326770
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

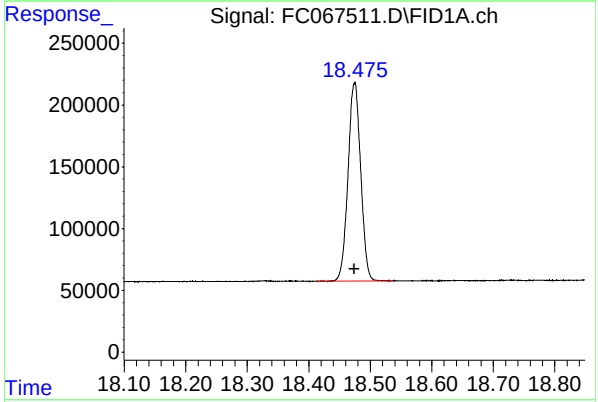
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2297199
Conc: 19.53 ug/ml



#17 n-Tricontane (C30)

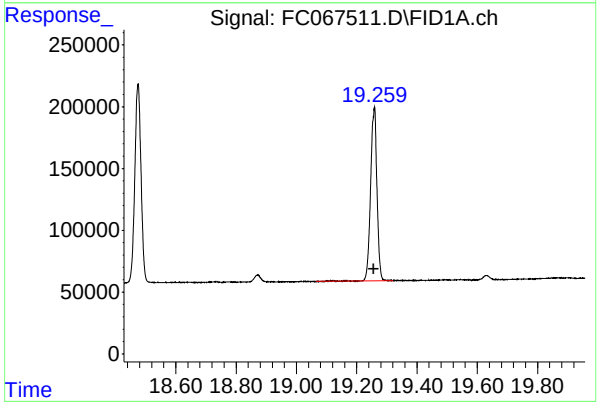
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 2353840
Conc: 19.47 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



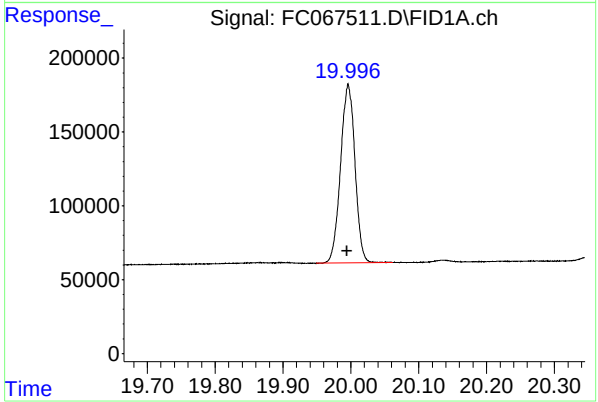
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 2301371
Conc: 19.45 ug/ml



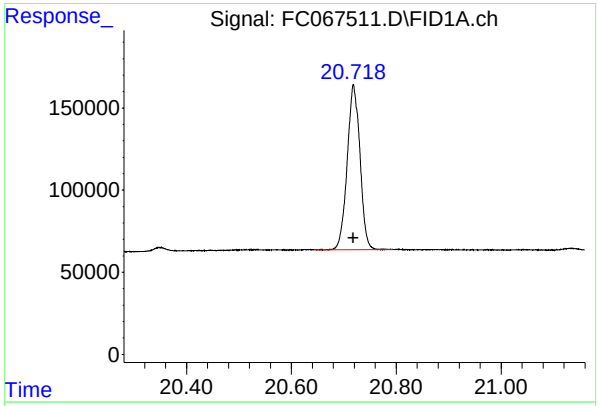
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.002 min
Response: 2044186
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

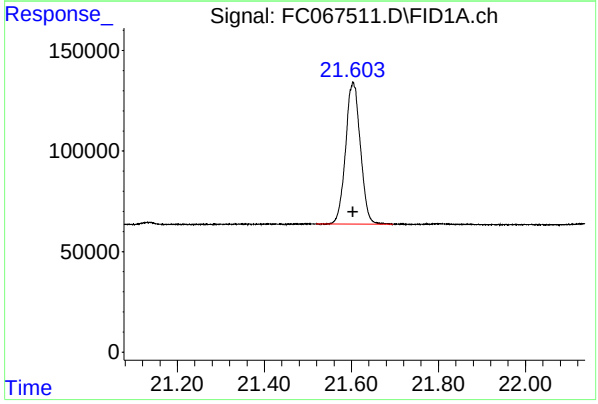
R.T.: 19.996 min
Delta R.T.: 0.002 min
Response: 1784212
Conc: 19.60 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 1698313
Conc: 19.61 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1661417
Conc: 19.54 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.334	BB	310826	2613683	90.31%	4.990%
2	4.339	4.280	4.410	BB	292955	2649286	91.54%	5.058%
3	5.916	5.865	6.012	BB	308318	2894144	100.00%	5.525%
4	6.354	6.292	6.422	BB	265716	2640477	91.24%	5.041%
5	6.971	6.924	7.080	BB	274073	2771002	95.75%	5.290%
6	8.147	8.085	8.220	BB	244098	2559793	88.45%	4.887%
7	9.744	9.689	9.819	BB	236009	2585935	89.35%	4.937%
8	11.185	11.139	11.262	BB	218367	2593351	89.61%	4.951%
9	11.496	11.429	11.555	BB	264747	2853188	98.58%	5.447%
10	12.493	12.430	12.547	BB	193698	2466507	85.22%	4.709%
11	12.935	12.870	12.995	BB	169232	2112213	72.98%	4.032%
12	13.103	13.039	13.164	BB	187529	2414000	83.41%	4.609%
13	13.688	13.620	13.752	BB	190590	2390568	82.60%	4.564%
14	14.790	14.720	14.859	BB	178398	2369147	81.86%	4.523%
15	15.809	15.749	15.875	BB	181908	2326770	80.40%	4.442%
16	16.757	16.670	16.834	BB	173028	2297199	79.37%	4.386%
17	17.643	17.582	17.709	BB	172064	2353840	81.33%	4.494%
18	18.474	18.412	18.537	BB	160280	2301371	79.52%	4.394%
19	19.258	19.065	19.320	BB	140731	2044186	70.63%	3.903%
20	19.996	19.949	20.062	BB	120232	1784212	61.65%	3.406%
21	20.719	20.647	20.794	BB	100162	1698313	58.68%	3.242%
22	21.604	21.519	21.695	BB	70657	1661417	57.41%	3.172%
			Sum of corrected areas:			52380600		

Aliphatic EPH 102324.M Wed Oct 23 18:53:21 2024

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

Inital Calibration Report for SequenceID : FD102324AR

AreaCount

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	34560081.000	17413124.000	7062069.000	3602660.000	1773971.000	
Aromatic C12-C16	51756513.000	26214353.000	10660566.000	5474983.000	2683618.000	
Aromatic C16-C21	64464447.000	32614919.000	13171585.000	6675037.000	3268126.000	
Aromatic C21-C36	134161995.000	67904676.000	27627174.000	14154223.000	6877987.000	
Aromatic EPH	284943036.000	144147072.000	58521394.000	29906903.000	14603702.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	176202.694	1.627				
Aromatic C12-C16	177273.4926664	2.167				
Aromatic C16-C21	163832.55	1.288				
Aromatic C21-C36	152713.1526664	2.017				
Aromatic EPH	161887.4688884	1.816				

Concentration

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	172800.405000	174131.240000	176551.725000	180133.000000	177397.100000	
Aromatic C12-C16	172521.710000	174762.353333	177676.100000	182499.433333	178907.866666	
Aromatic C16-C21	161161.117500	163074.595000	164644.812500	166875.925000	163406.300000	
Aromatic C21-C36	149068.883333	150899.280000	153484.300000	157269.144444	152844.155555	
Aromatic EPH	158301.686666	160163.413333	162559.427777	166149.461111	162263.355555	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.379	14919837	98.962 ug/ml
Spiked Amount	50.000		Recovery =	197.92%
6) S	2-Flurobiphenyl (SURR)	8.230	10015694	100.124 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	200.25%#
11) S	ortho-Terphenyl (SURR)	11.267	16385129	98.289 ug/ml
Spiked Amount	50.000		Recovery =	196.58%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.199	16947170	98.911 ug/ml
2) T	Naphthalene (C11.7)	5.719	17612911	98.941 ug/ml
3) T	2-Methylnaphthalene (...	6.767	17624448	99.004 ug/ml
5) T	Acenaphthylene (C15.06)	8.034	17045088	98.400 ug/ml
7) T	Acenaphthene (C15.5)	8.331	17086977	98.169 ug/ml
8) T	Flouorene (C16.55)	9.109	16673063	98.964 ug/ml
9) T	Phenanthrene (C19.36)	10.496	16410378	99.314 ug/ml
10) T	Anthracene (C19.43)	10.573	15569819	98.435 ug/ml
12) T	Fluoranthene (C21.85)	12.302	15981856	98.532 ug/ml
13) T	Pyrene (C20.8)	12.596	15811187	98.991 ug/ml
14) T	Benzo[a]anthracene (C...	14.466	14979852	100.189 ug/ml
15) T	Chrysene (C27.41)	14.512	15332543	97.081 ug/ml
16) T	benzo[b]fluoranthene ...	16.016	15350623	99.928 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.054	14161475	97.899 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.395	14921521	99.306 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.761	14261058	103.933 ug/ml
20) T	Dibenz[a,h]anthracene...	17.801	14330700	95.355 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.019	14842367	98.211 ug/ml

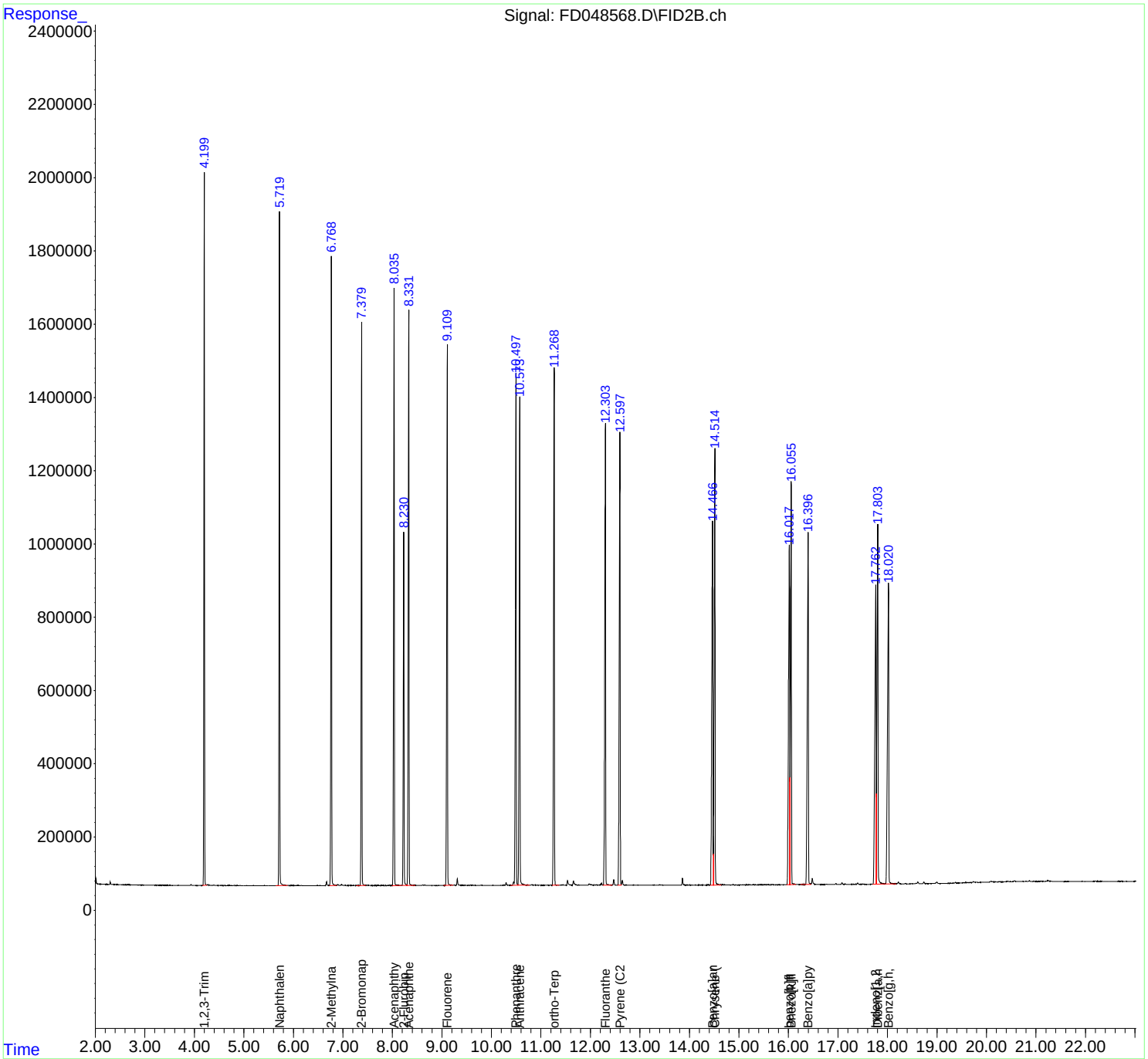
(f)=RT Delta > 1/2 Window (m)=manual int.

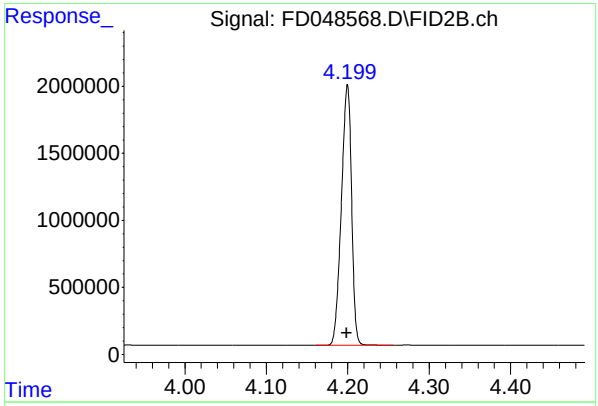
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

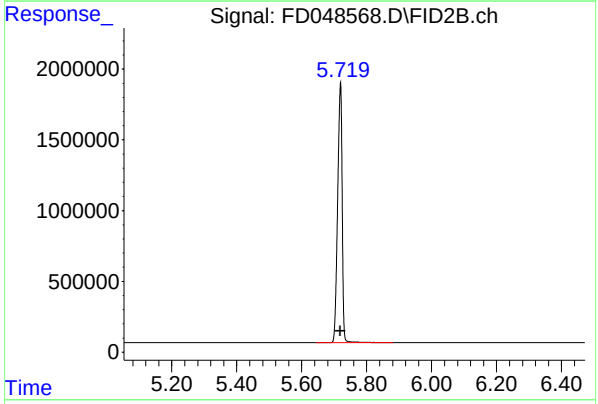




#1 1,2,3-Trimethylbenzene (C10.1)

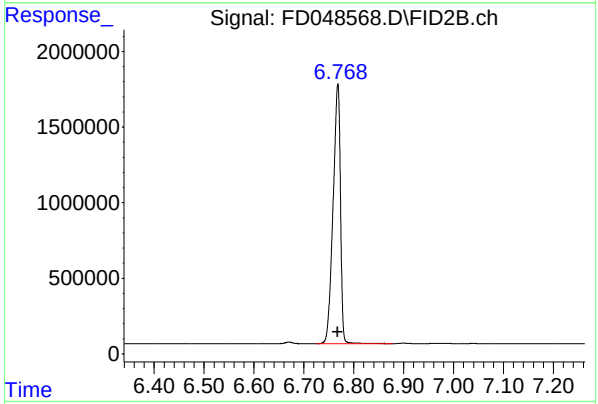
R.T.: 4.199 min
Delta R.T.: 0.000 min
Response: 16947170
Conc: 98.91 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



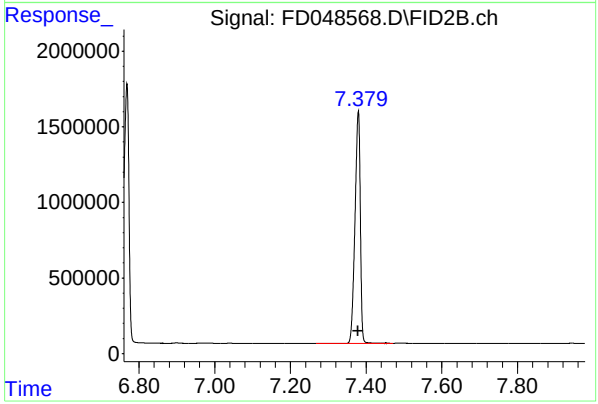
#2 Naphthalene (C11.7)

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 17612911
Conc: 98.94 ug/ml



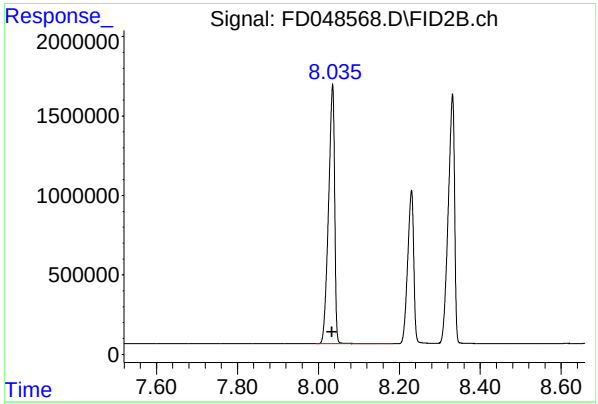
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 17624448
Conc: 99.00 ug/ml



#4 2-Bromonaphthalene (SURR)

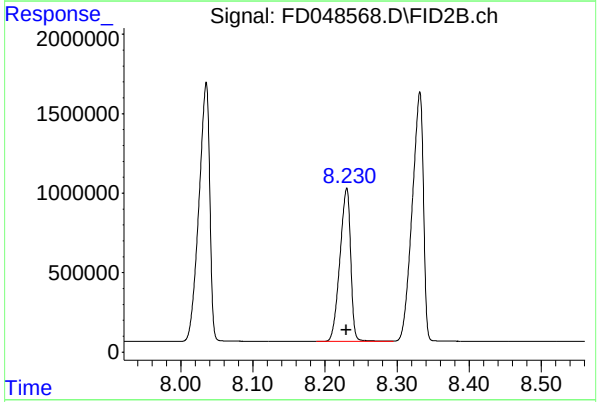
R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 14919837
Conc: 98.96 ug/ml



#5 Acenaphthylene (C15.06)

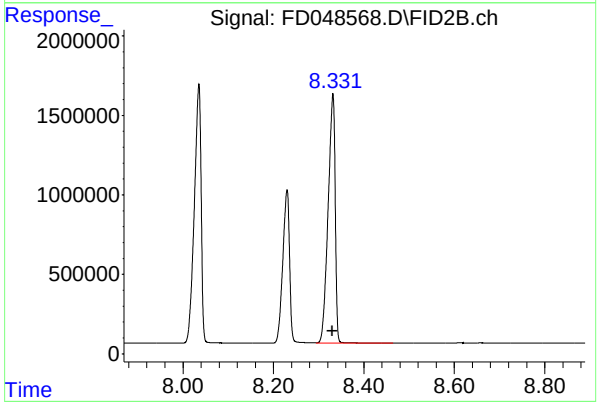
R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 17045088
Conc: 98.40 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



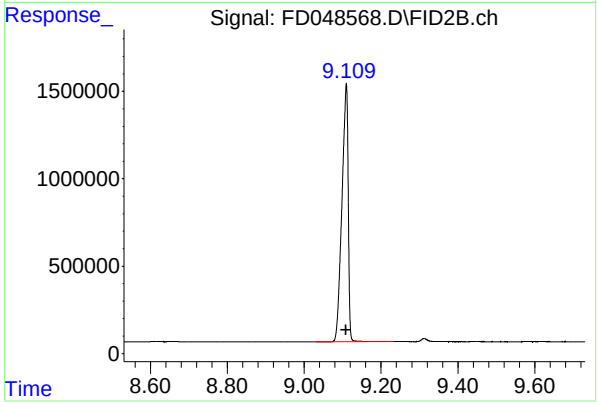
#6 2-Flurobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 10015694
Conc: 100.12 ug/ml



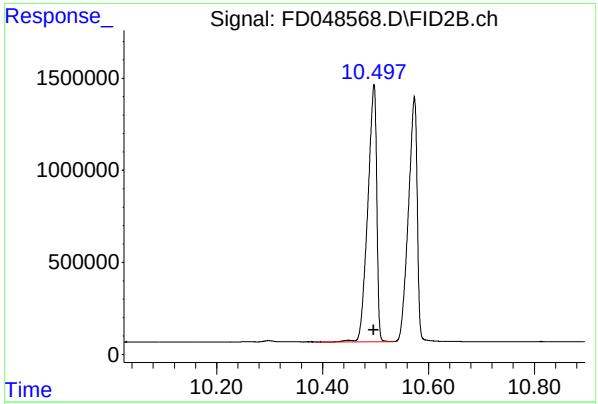
#7 Acenaphthene (C15.5)

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 17086977
Conc: 98.17 ug/ml



#8 Flouorene (C16.55)

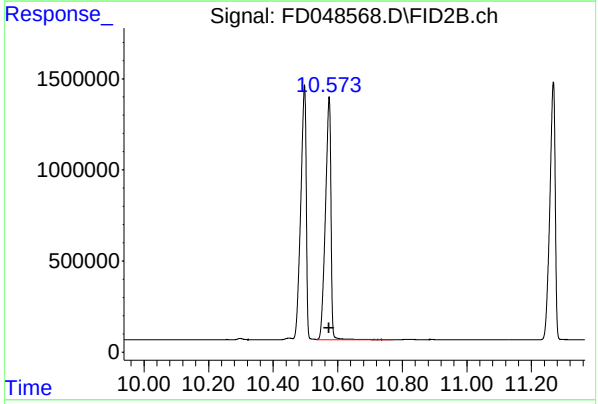
R.T.: 9.109 min
Delta R.T.: 0.000 min
Response: 16673063
Conc: 98.96 ug/ml



#9 Phenanthrene (C19.36)

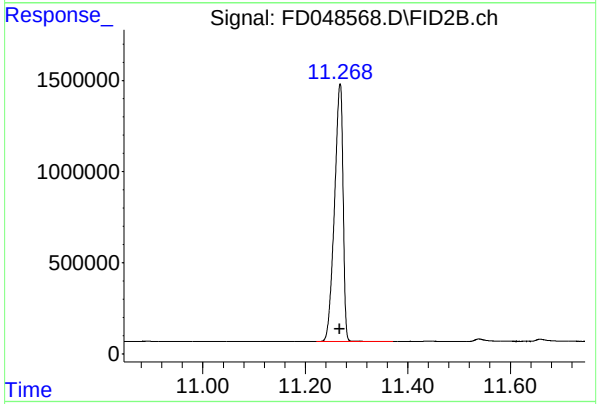
R.T.: 10.496 min
Delta R.T.: 0.000 min
Response: 16410378
Conc: 99.31 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



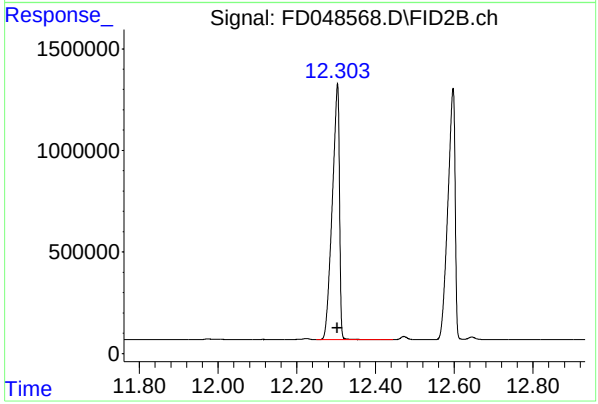
#10 Anthracene (C19.43)

R.T.: 10.573 min
Delta R.T.: 0.000 min
Response: 15569819
Conc: 98.44 ug/ml



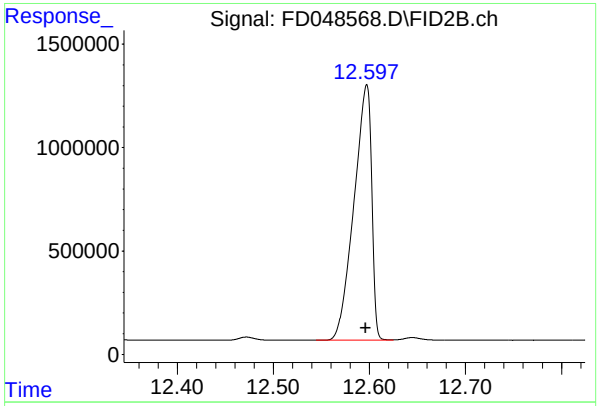
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.000 min
Response: 16385129
Conc: 98.29 ug/ml



#12 Fluoranthene (C21.85)

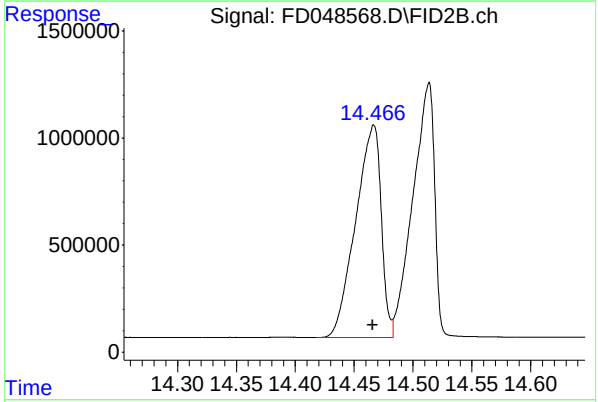
R.T.: 12.302 min
Delta R.T.: 0.000 min
Response: 15981856
Conc: 98.53 ug/ml



#13 Pyrene (C20.8)

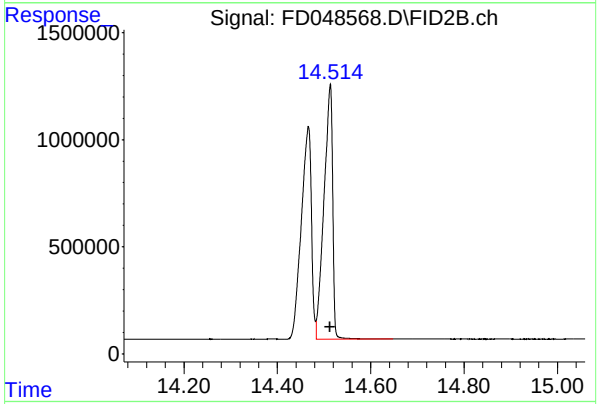
R.T.: 12.596 min
Delta R.T.: 0.000 min
Response: 15811187
Conc: 98.99 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



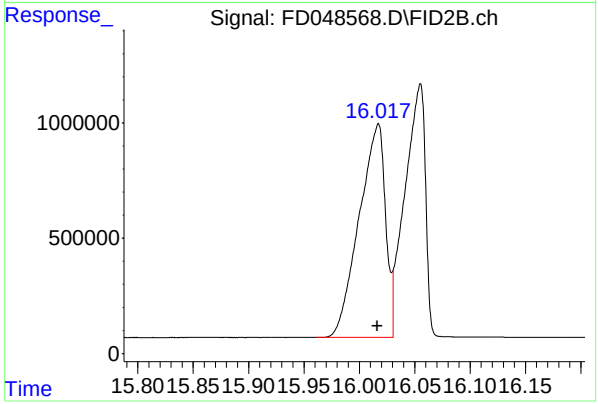
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.000 min
Response: 14979852
Conc: 100.19 ug/ml



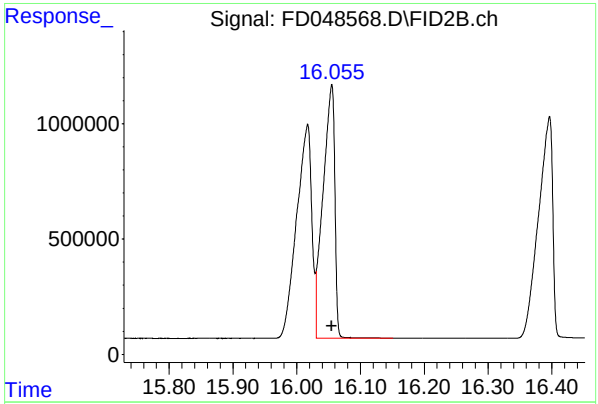
#15 Chrysene (C27.41)

R.T.: 14.512 min
Delta R.T.: 0.000 min
Response: 15332543
Conc: 97.08 ug/ml



#16 benzo[b]fluoranthene (C30.41)

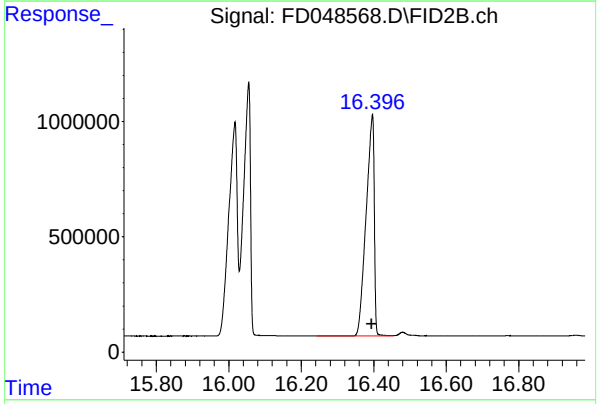
R.T.: 16.016 min
Delta R.T.: 0.000 min
Response: 15350623
Conc: 99.93 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

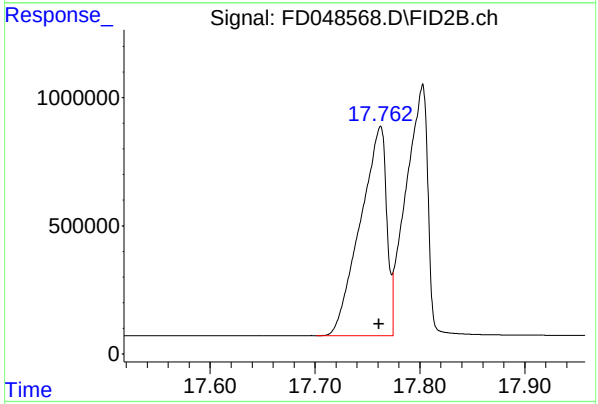
R.T.: 16.054 min
Delta R.T.: -0.001 mi
Response: 14161475
Conc: 97.90 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



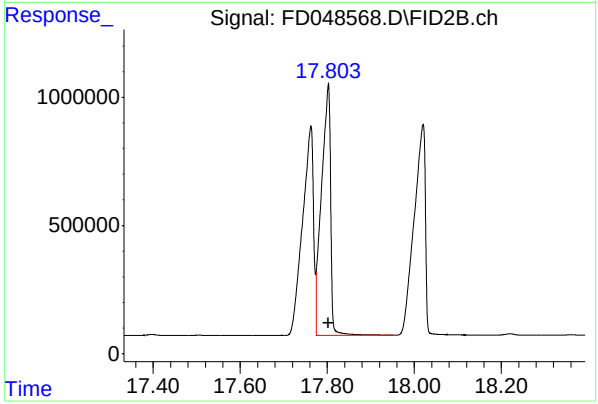
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.000 min
Response: 14921521
Conc: 99.31 ug/ml



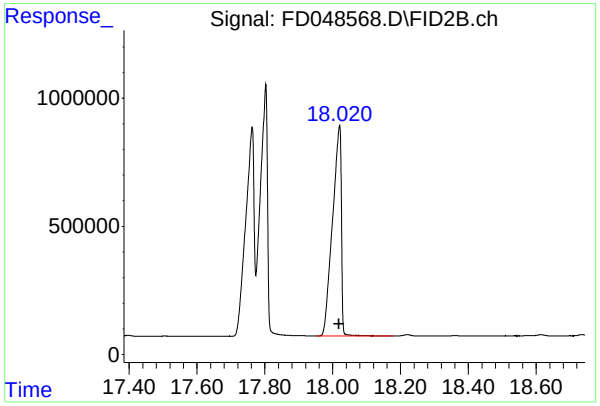
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: 0.000 min
Response: 14261058
Conc: 103.93 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.801 min
Delta R.T.: -0.002 min
Response: 14330700
Conc: 95.35 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.019 min
Delta R.T.: 0.000 mi
Response: 14842367
Conc: 98.21 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.199	4.161	4.256	BV	1903452	16947170	96.16%	5.194%
2	5.719	5.644	5.881	BV	1794310	17612911	99.93%	5.398%
3	6.767	6.724	6.878	PV	1721582	17624448	100.00%	5.402%
4	7.379	7.268	7.471	PV	1511924	14919837	84.65%	4.573%
5	8.034	7.994	8.184	BB	1618840	17045088	96.71%	5.224%
6	8.230	8.188	8.294	BV	985430	10015694	56.83%	3.070%
7	8.331	8.294	8.464	VB	1571009	17086977	96.95%	5.237%
8	9.109	9.031	9.231	BB	1435050	16673063	94.60%	5.110%
9	10.496	10.388	10.533	BV	1431777	16410378	93.11%	5.030%
10	10.573	10.533	10.771	VB	1362012	15569819	88.34%	4.772%
11	11.267	11.221	11.371	BV	1423748	16385129	92.97%	5.022%
12	12.302	12.249	12.444	VV	1225147	15981856	90.68%	4.898%
13	12.596	12.544	12.624	BV	1267297	15811187	89.71%	4.846%
14	14.466	14.418	14.483	PV	976483	14979852	84.99%	4.591%
15	14.512	14.483	14.648	VB	1164623	15332543	87.00%	4.699%
16	16.016	15.961	16.031	BV	945594	15350623	87.10%	4.705%
17	16.054	16.031	16.151	VB	1101985	14161475	80.35%	4.340%
18	16.395	16.241	16.453	BV	941300	14921521	84.66%	4.573%
19	17.761	17.701	17.774	BV	810590	14261058	80.92%	4.371%
20	17.801	17.774	17.951	VV	963681	14330700	81.31%	4.392%
21	18.019	17.951	18.178	VV	811340	14842367	84.21%	4.549%

Sum of corrected areas: 326263695

Aromatic EPH 102324.M Wed Oct 23 18:16:59 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.375	7529591	49.962 ug/ml
	Spiked Amount 50.000		Recovery = 99.92%	
6)	S 2-Flurobiphenyl (SURR)	8.225	5021501	50.132 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 100.26%	
11)	S ortho-Terphenyl (SURR)	11.261	8334280	49.996 ug/ml
	Spiked Amount 50.000		Recovery = 99.99%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.196	8539641	49.894 ug/ml
2)	T Naphthalene (C11.7)	5.715	8873483	49.898 ug/ml
3)	T 2-Methylnaphthalene (...	6.762	8891978	49.967 ug/ml
5)	T Acenaphthylene (C15.06)	8.029	8649197	49.954 ug/ml
7)	T Acenaphthene (C15.5)	8.324	8673178	49.886 ug/ml
8)	T Flouorene (C16.55)	9.102	8428307	50.018 ug/ml
9)	T Phenanthrene (C19.36)	10.489	8272929	50.044 ug/ml
10)	T Anthracene (C19.43)	10.565	7888616	49.915 ug/ml
12)	T Fluoranthene (C21.85)	12.294	8076662	49.863 ug/ml
13)	T Pyrene (C20.8)	12.587	8025067	50.162 ug/ml
14)	T Benzo[a]anthracene (C...	14.456	7527575	50.230 ug/ml
15)	T Chrysene (C27.41)	14.500	7833293	49.731 ug/ml
16)	T benzo[b]fluoranthene ...	16.005	7671770	49.961 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.039	7231888	49.599 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.381	7547267	50.152 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.747	6949708	50.431 ug/ml
20)	T Dibenz[a,h]anthracene...	17.785	7539487	49.466 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.000	7527026	49.870 ug/ml

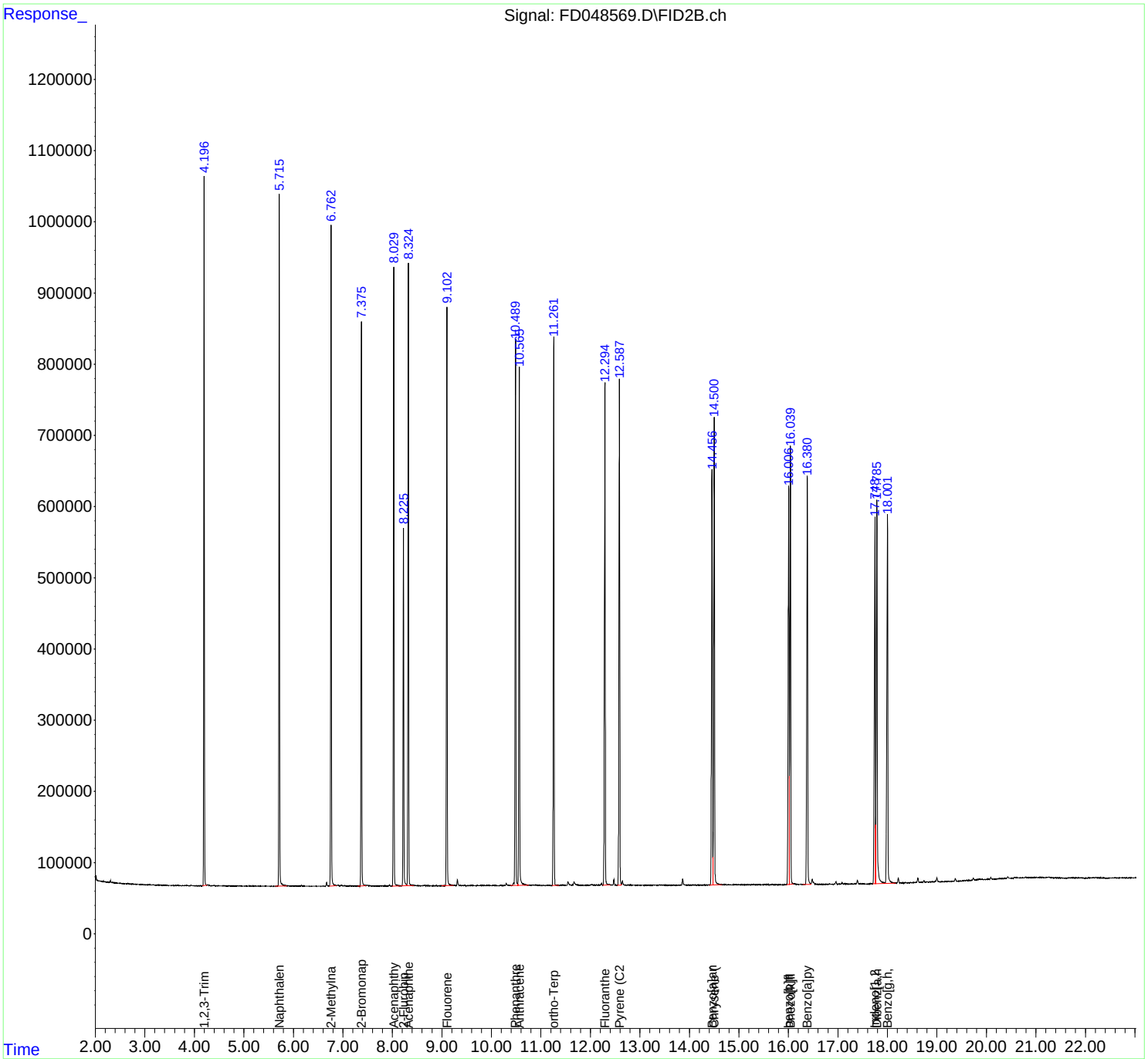
(f)=RT Delta > 1/2 Window (m)=manual int.

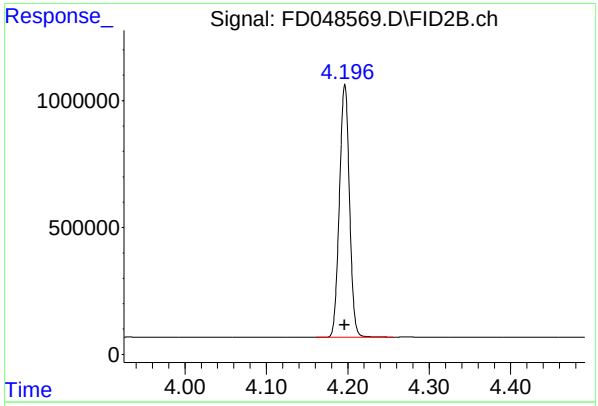
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

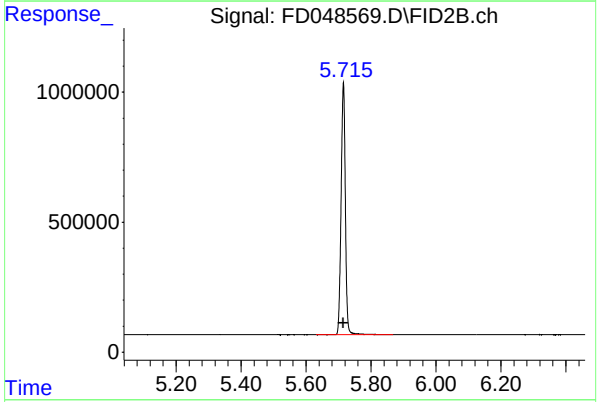




#1 1,2,3-Trimethylbenzene (C10.1)

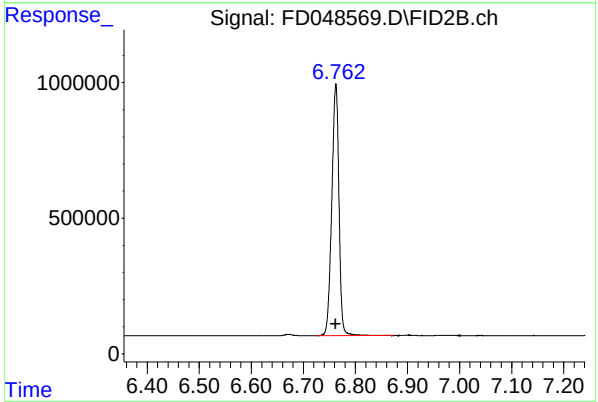
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 8539641
Conc: 49.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



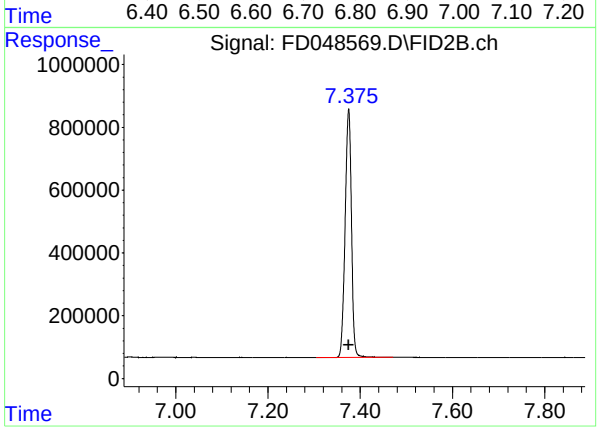
#2 Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 8873483
Conc: 49.90 ug/ml



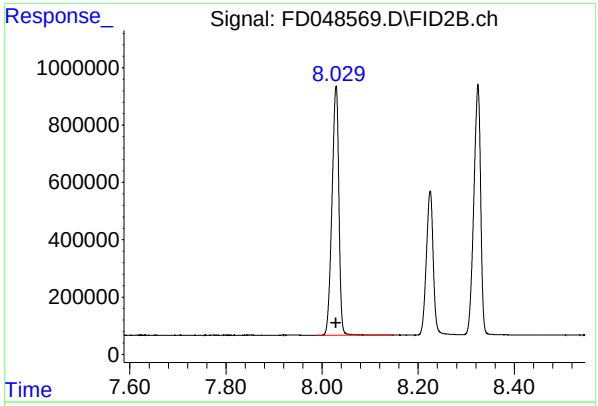
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 8891978
Conc: 49.97 ug/ml



#4 2-Bromonaphthalene (SURR)

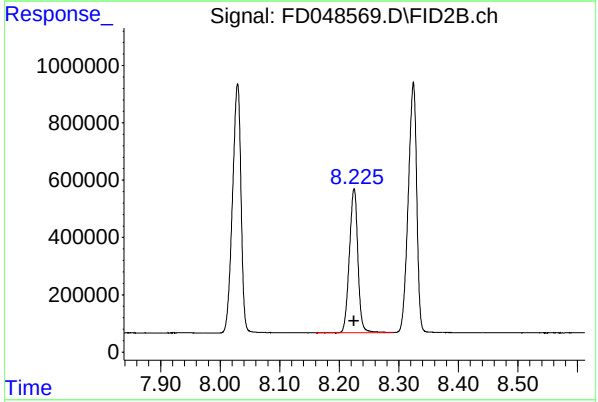
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 7529591
Conc: 49.96 ug/ml



#5 Acenaphthylene (C15.06)

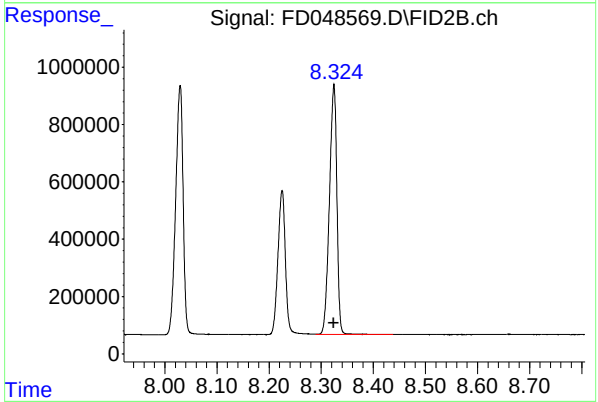
R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 8649197
Conc: 49.95 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



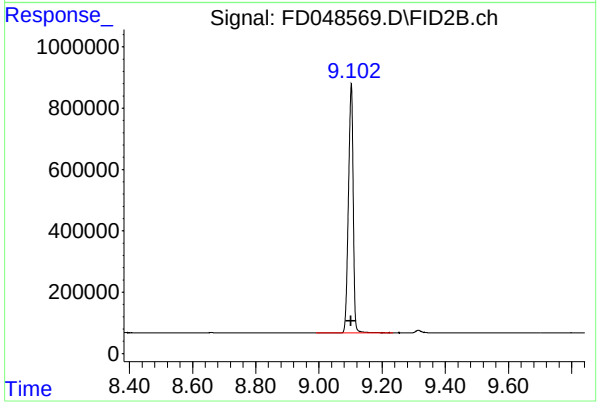
#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 5021501
Conc: 50.13 ug/ml



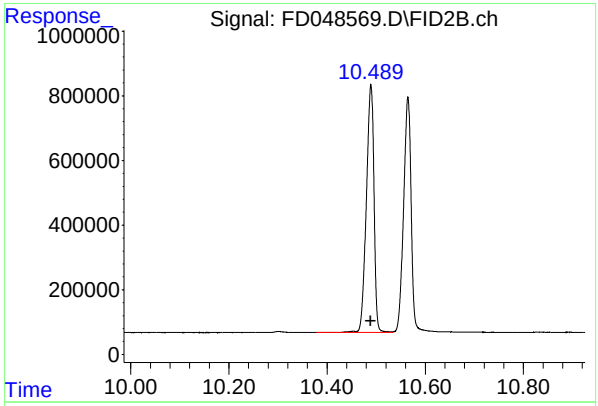
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 8673178
Conc: 49.89 ug/ml



#8 Flouorene (C16.55)

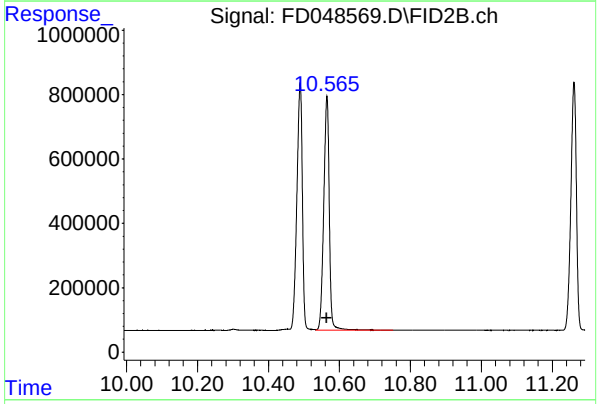
R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 8428307
Conc: 50.02 ug/ml



#9 Phenanthrene (C19.36)

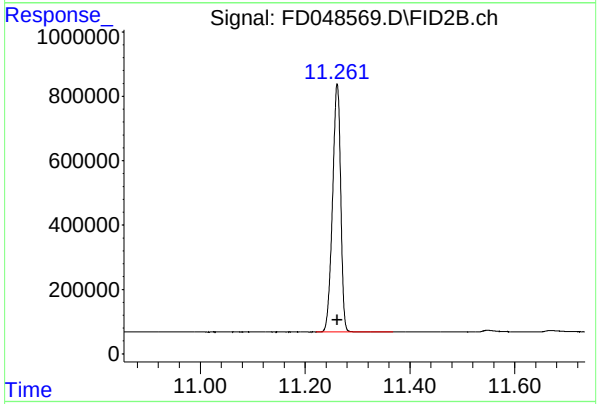
R.T.: 10.489 min
Delta R.T.: 0.000 min
Response: 8272929
Conc: 50.04 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



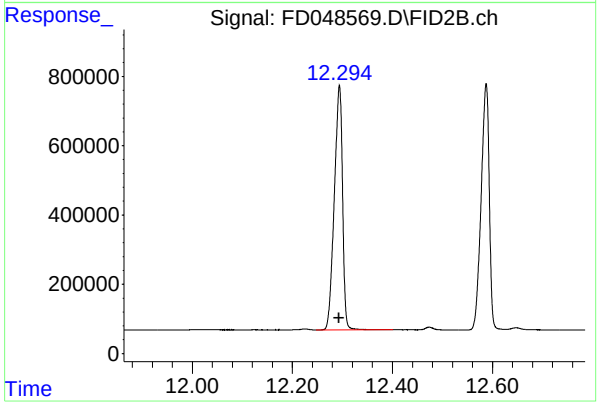
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 7888616
Conc: 49.92 ug/ml



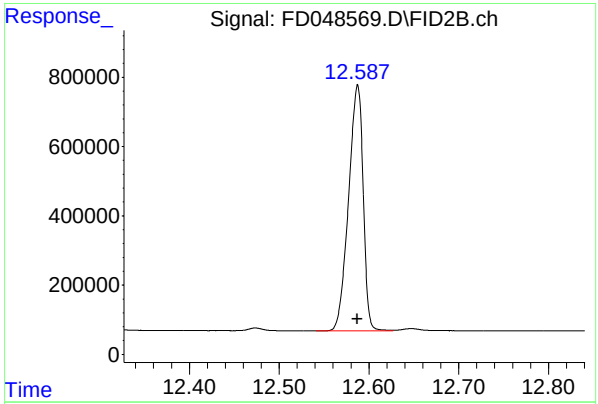
#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 8334280
Conc: 50.00 ug/ml



#12 Fluoranthene (C21.85)

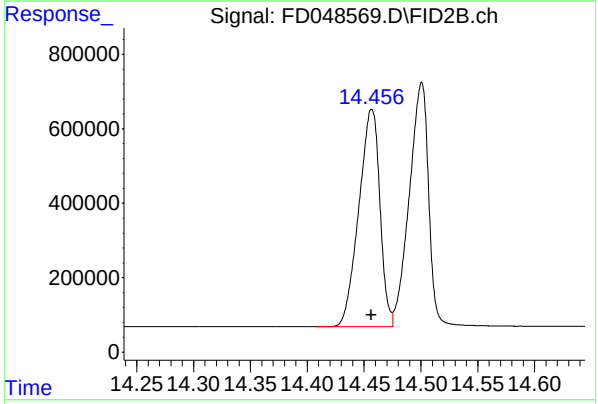
R.T.: 12.294 min
Delta R.T.: 0.000 min
Response: 8076662
Conc: 49.86 ug/ml



#13 Pyrene (C20.8)

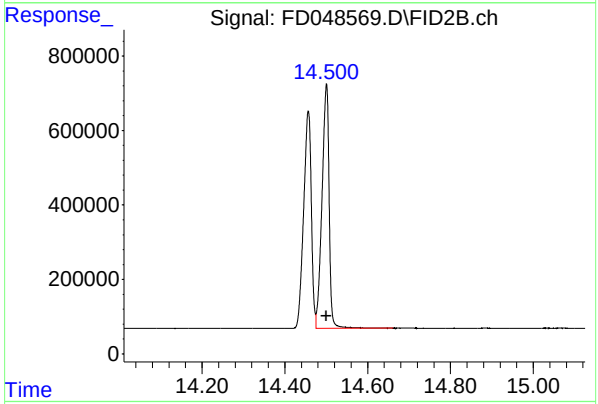
R.T.: 12.587 min
Delta R.T.: 0.000 min
Response: 8025067
Conc: 50.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



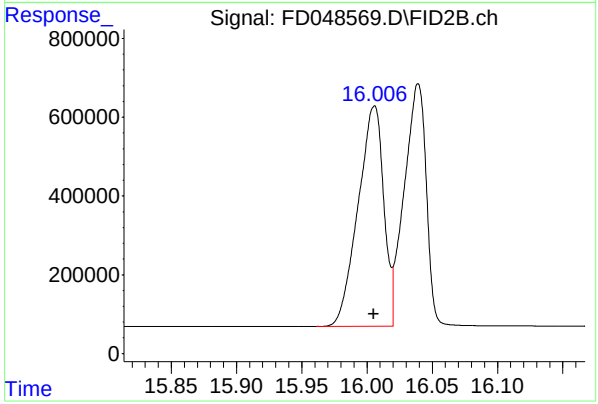
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.000 min
Response: 7527575
Conc: 50.23 ug/ml



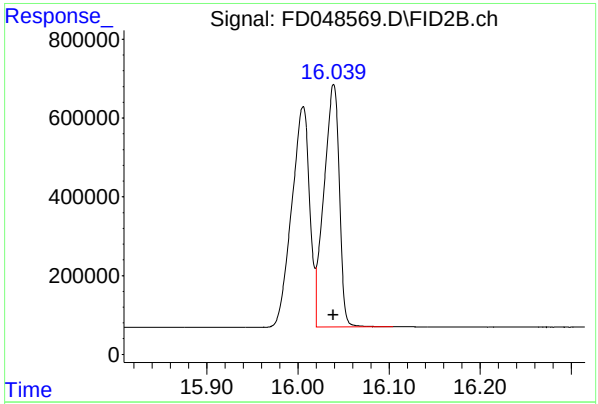
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.000 min
Response: 7833293
Conc: 49.73 ug/ml



#16 benzo[b]fluoranthene (C30.41)

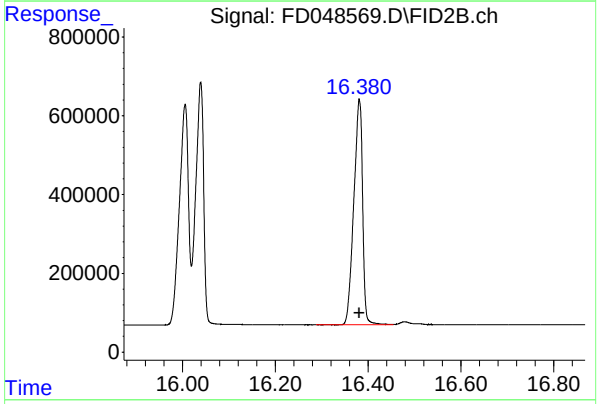
R.T.: 16.005 min
Delta R.T.: 0.000 min
Response: 7671770
Conc: 49.96 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

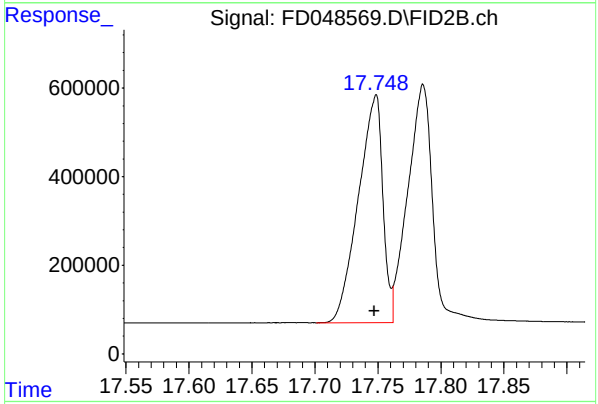
R.T.: 16.039 min
Delta R.T.: 0.000 min
Response: 7231888
Conc: 49.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



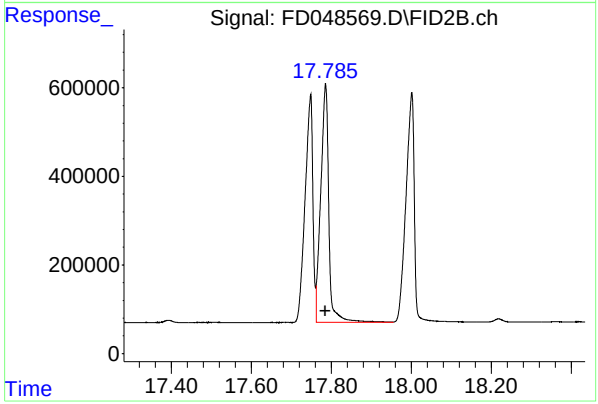
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 7547267
Conc: 50.15 ug/ml



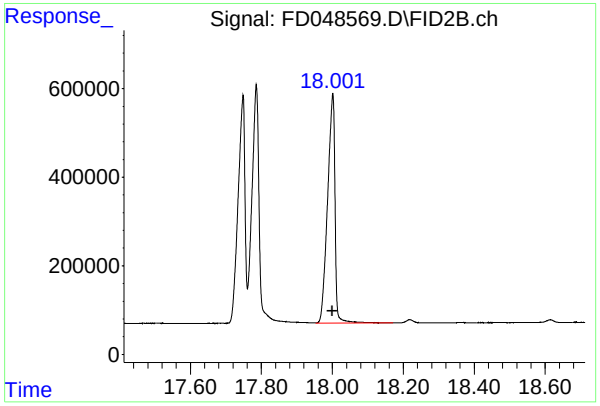
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.747 min
Delta R.T.: 0.000 min
Response: 6949708
Conc: 50.43 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.785 min
Delta R.T.: 0.000 min
Response: 7539487
Conc: 49.47 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.000 min
Delta R.T.: 0.000 mi
Response: 7527026
Conc: 49.87 ug/m

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.196	4.161	4.255	BV	998732	8539641	96.04%	5.175%
2	5.715	5.631	5.868	BB	961300	8873483	99.79%	5.377%
3	6.762	6.724	6.872	PV	916254	8891978	100.00%	5.388%
4	7.375	7.304	7.471	BB	788165	7529591	84.68%	4.562%
5	8.029	7.988	8.148	BB	861509	8649197	97.27%	5.241%
6	8.225	8.161	8.290	BV	502069	5021501	56.47%	3.043%
7	8.324	8.290	8.438	VB	874209	8673178	97.54%	5.255%
8	9.102	8.991	9.234	BV	799296	8428307	94.79%	5.107%
9	10.489	10.378	10.534	BV	757282	8272929	93.04%	5.013%
10	10.565	10.534	10.751	VB	727764	7888616	88.72%	4.780%
11	11.261	11.221	11.368	BB	773174	8334280	93.73%	5.050%
12	12.294	12.247	12.401	PB	711390	8076662	90.83%	4.894%
13	12.587	12.541	12.627	BV	714458	8025067	90.25%	4.863%
14	14.456	14.408	14.475	PV	588127	7527575	84.66%	4.561%
15	14.500	14.475	14.661	VB	663541	7833293	88.09%	4.747%
16	16.005	15.961	16.020	BV	559367	7671770	86.28%	4.649%
17	16.039	16.020	16.104	VV	611862	7231888	81.33%	4.382%
18	16.381	16.288	16.453	BV	574389	7547267	84.88%	4.573%
19	17.747	17.701	17.762	BV	512967	6949708	78.16%	4.211%
20	17.785	17.762	17.954	VV	532723	7539487	84.79%	4.568%
21	18.000	17.954	18.171	VV	519884	7527026	84.65%	4.561%

Sum of corrected areas: 165032443

Aromatic EPH 102324.M Wed Oct 23 18:18:22 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	3046545	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.222	1998164	20.000 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%
11) S	ortho-Terphenyl (SURR)	11.258	3391146	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	3464073	20.000 ug/ml
2) T	Naphthalene (C11.7)	5.713	3597996	20.000 ug/ml
3) T	2-Methylnaphthalene (...	6.760	3595810	20.000 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	3519888	20.000 ug/ml
7) T	Acenaphthene (C15.5)	8.319	3544868	20.000 ug/ml
8) T	Flouorene (C16.55)	9.097	3404430	20.000 ug/ml
9) T	Phenanthrene (C19.36)	10.485	3327445	20.000 ug/ml
10) T	Anthracene (C19.43)	10.560	3212978	20.000 ug/ml
12) T	Fluoranthene (C21.85)	12.288	3291616	20.000 ug/ml
13) T	Pyrene (C20.8)	12.581	3226732	20.000 ug/ml
14) T	Benzo[a]anthracene (C...	14.451	2984688	20.000 ug/ml
15) T	Chrysene (C27.41)	14.492	3250919	20.000 ug/ml
16) T	benzo[b]fluoranthene ...	15.997	3074553	20.000 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.027	3023398	20.000 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.372	3026012	20.000 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	2636324	20.000 ug/ml
20) T	Dibenz[a,h]anthracene...	17.777	3263027	20.000 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.987	3076637	20.000 ug/ml

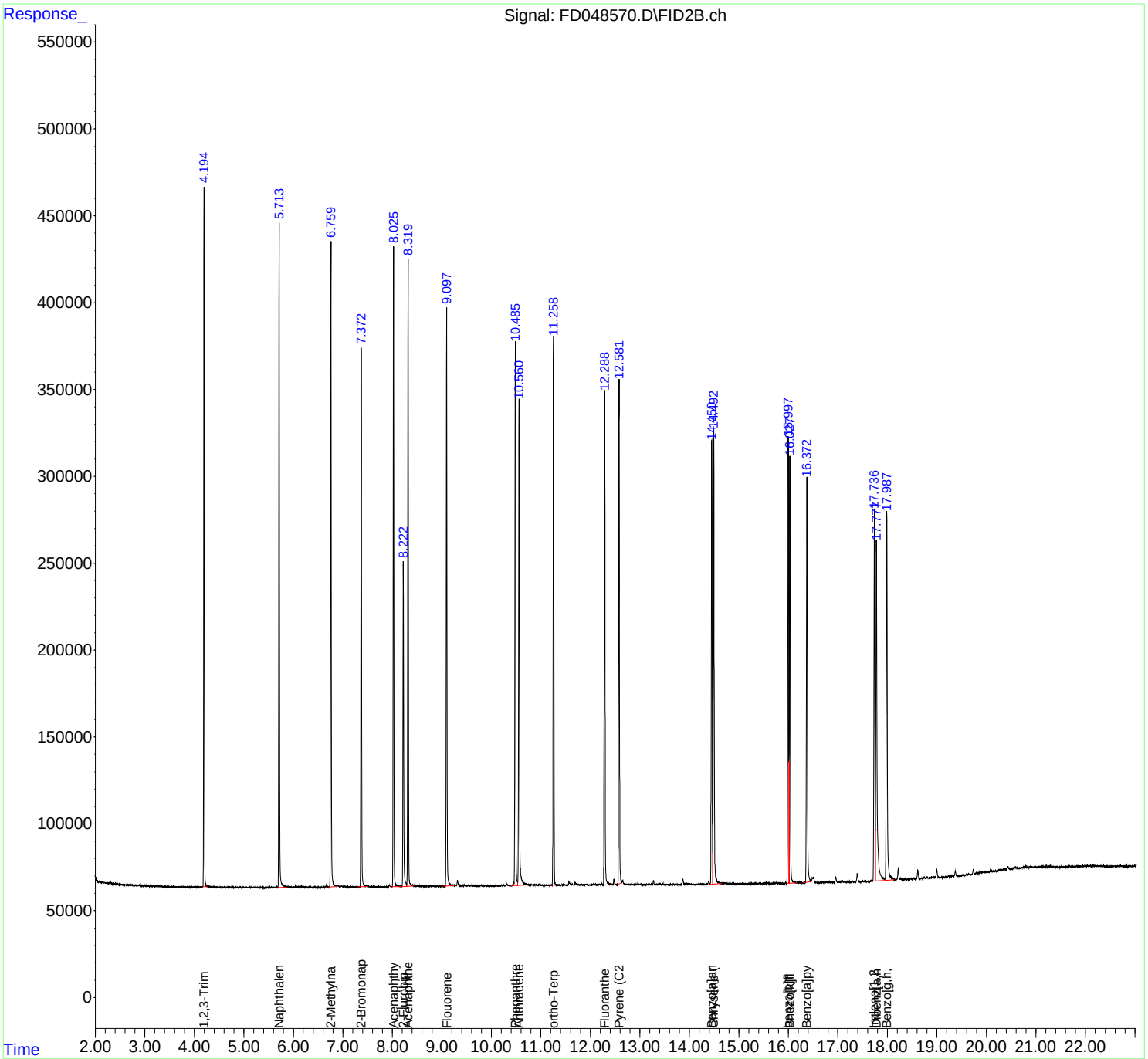
(f)=RT Delta > 1/2 Window (m)=manual int.

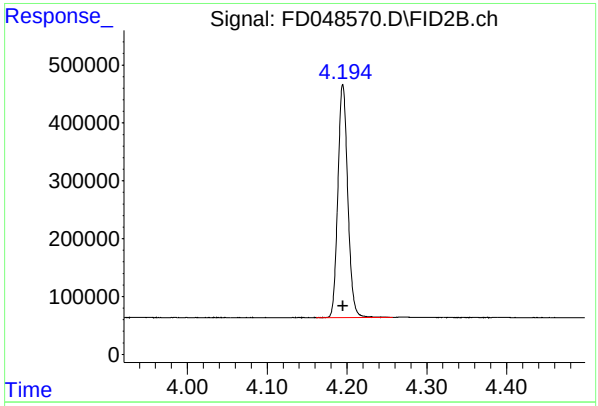
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

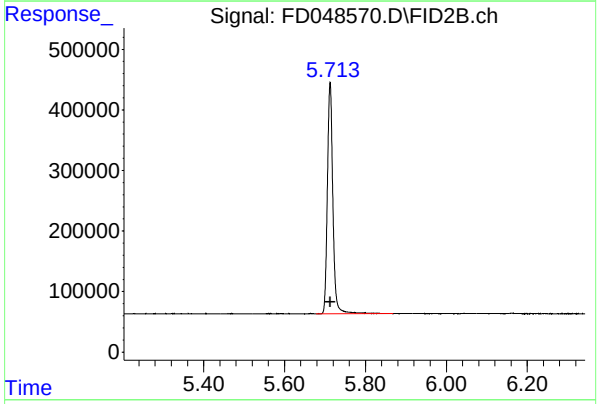




#1 1,2,3-Trimethylbenzene (C10.1)

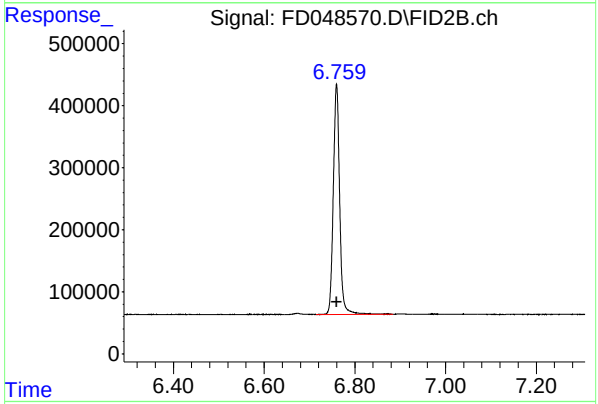
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 3464073
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



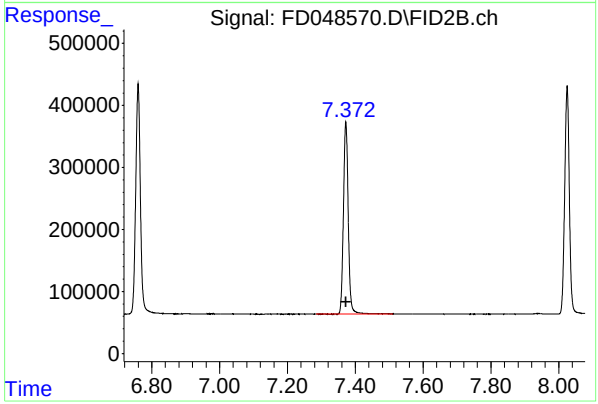
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 3597996
Conc: 20.00 ug/ml



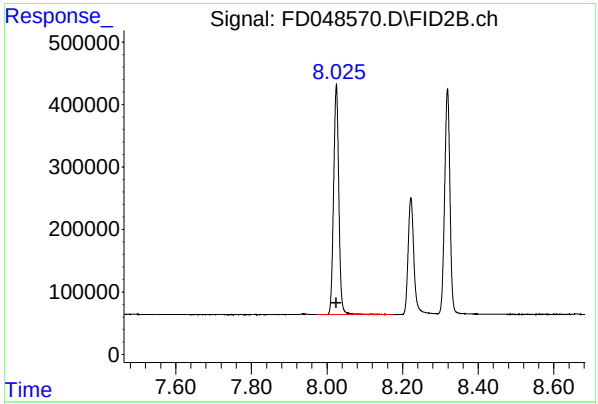
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 3595810
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

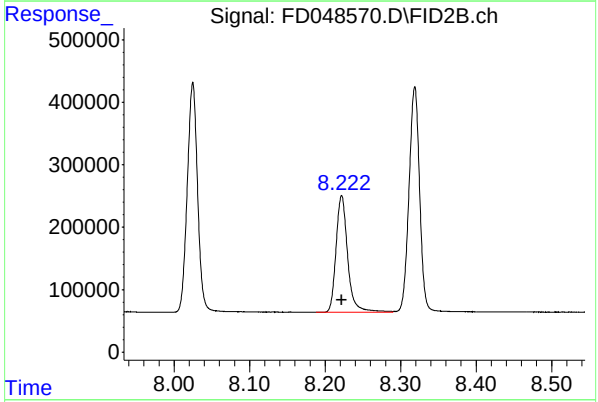
R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 3046545
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

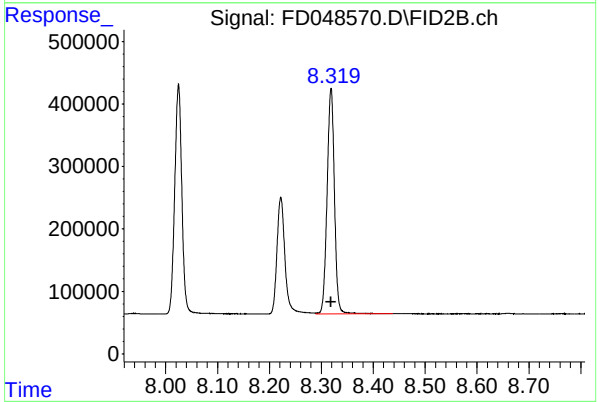
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 3519888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



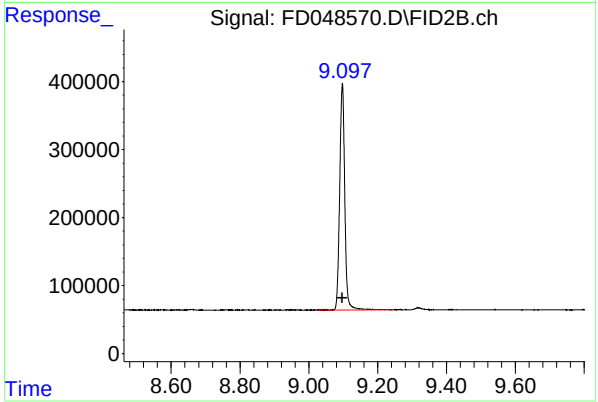
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: 0.000 min
Response: 1998164
Conc: 20.00 ug/ml



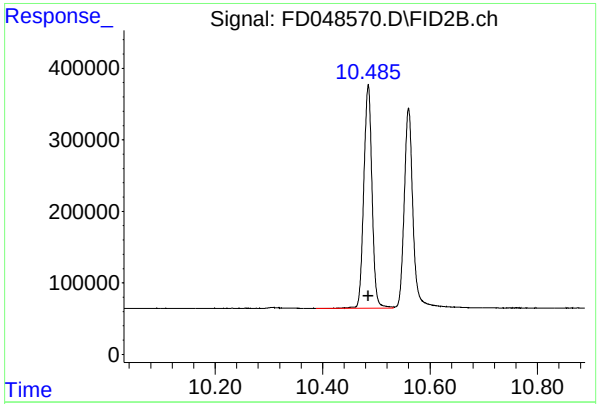
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3544868
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

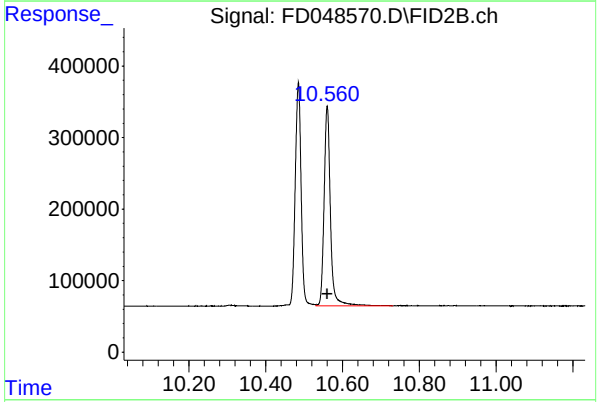
R.T.: 9.097 min
Delta R.T.: 0.000 min
Response: 3404430
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

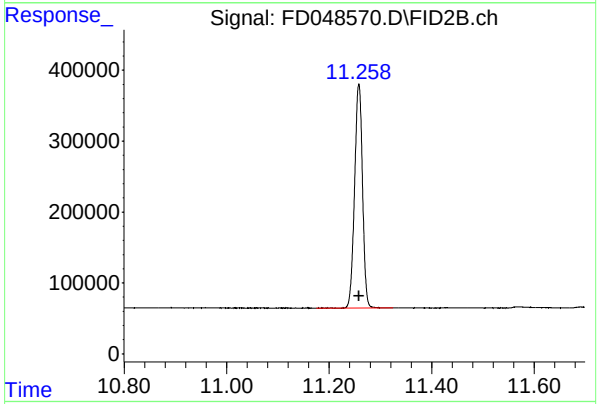
R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 3327445
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



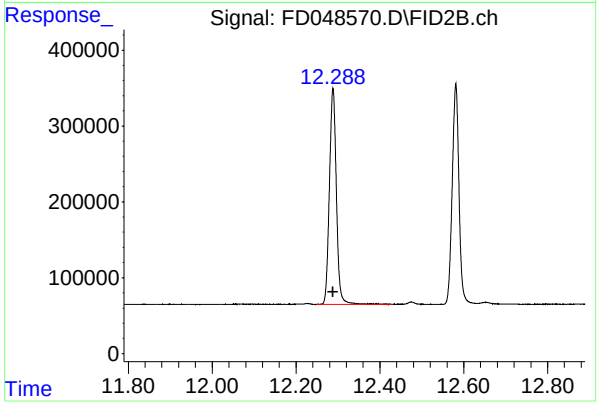
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 3212978
Conc: 20.00 ug/ml



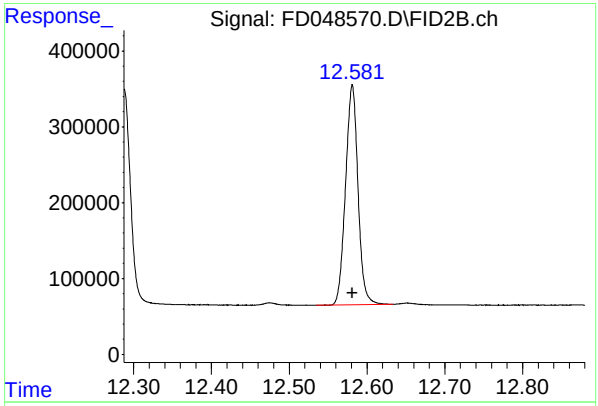
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3391146
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

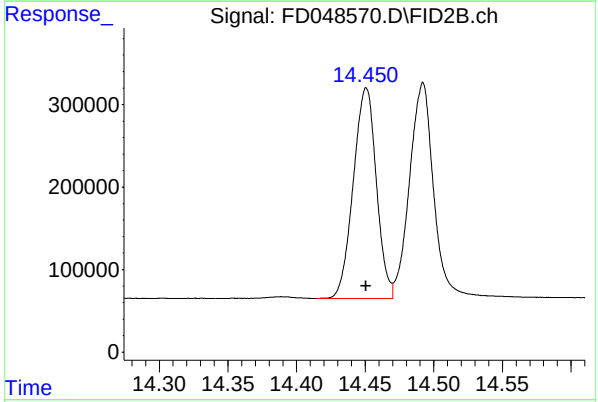
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 3291616
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

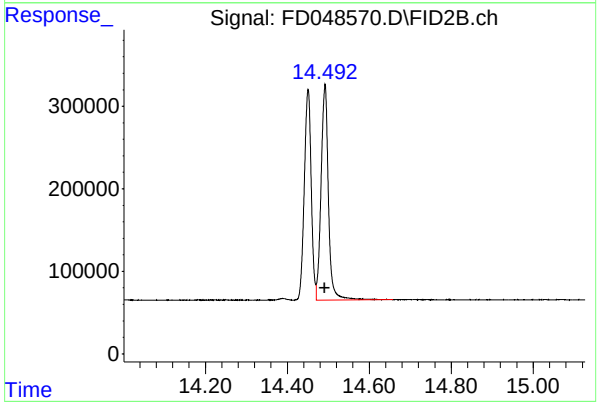
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 3226732
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



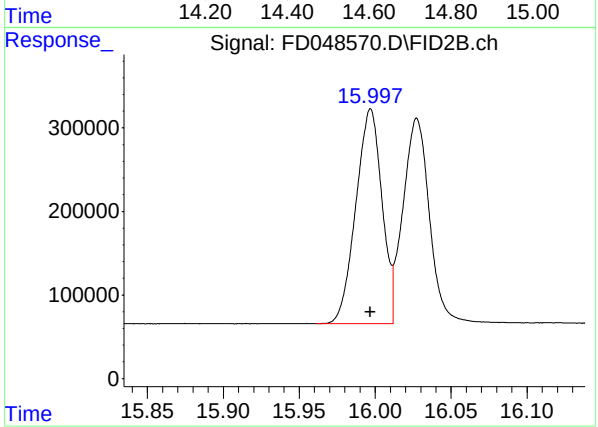
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: 0.000 min
Response: 2984688
Conc: 20.00 ug/ml



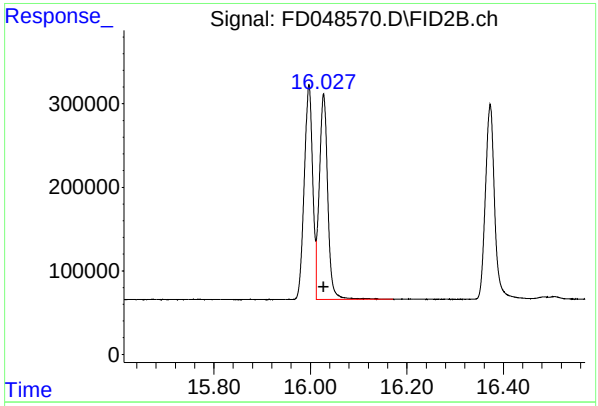
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 3250919
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

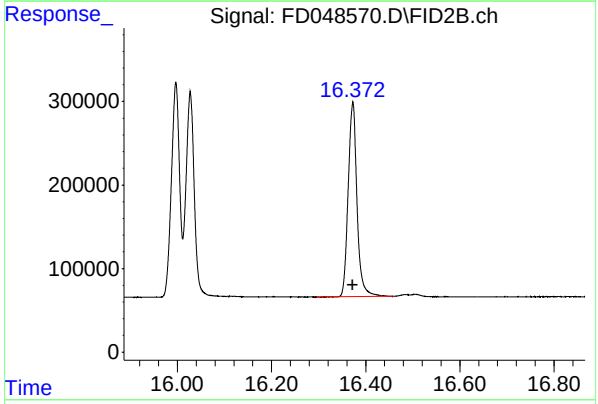
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3074553
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

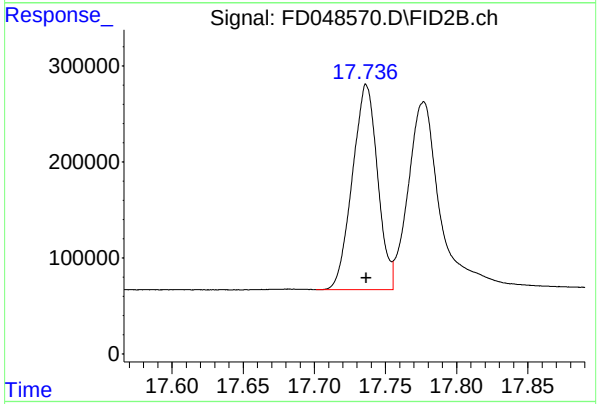
R.T.: 16.027 min
Delta R.T.: 0.000 min
Response: 3023398
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



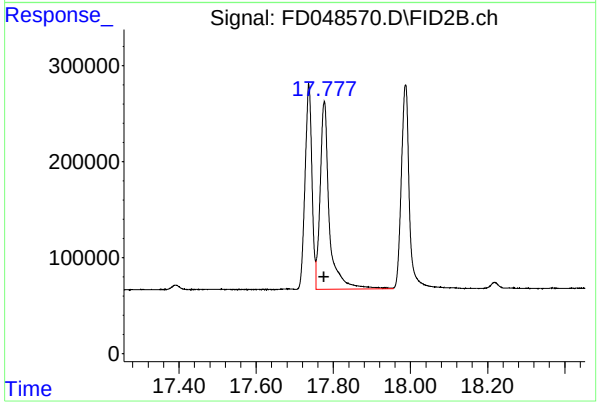
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.000 min
Response: 3026012
Conc: 20.00 ug/ml



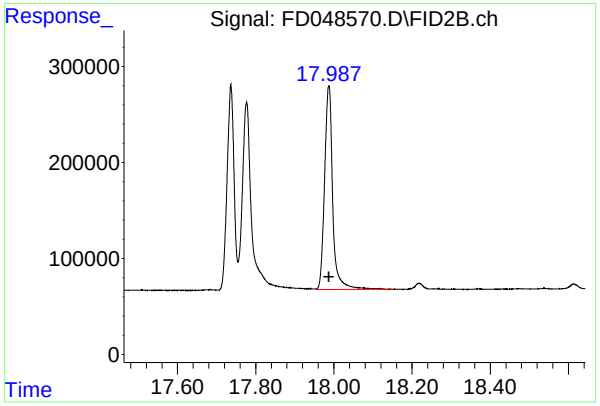
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 2636324
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.777 min
Delta R.T.: 0.000 min
Response: 3263027
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.987 min
Delta R.T.: 0.000 mi
Response: 3076637
Conc: 20.00 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.195	4.161	4.257	BV	402734	3464073	96.28%	5.174%
2	5.713	5.678	5.868	PB	378310	3597996	100.00%	5.374%
3	6.760	6.714	6.884	PV	369607	3595810	99.94%	5.370%
4	7.372	7.284	7.511	BB	309427	3046545	84.67%	4.550%
5	8.025	7.971	8.174	BV	366415	3519888	97.83%	5.257%
6	8.222	8.188	8.290	PV	185974	1998164	55.54%	2.984%
7	8.319	8.290	8.438	VB	358996	3544868	98.52%	5.294%
8	9.097	9.021	9.244	BB	332486	3404430	94.62%	5.084%
9	10.485	10.388	10.531	BV	311516	3327445	92.48%	4.970%
10	10.560	10.531	10.731	VB	280274	3212978	89.30%	4.799%
11	11.258	11.174	11.324	BB	316403	3391146	94.25%	5.065%
12	12.288	12.248	12.431	PB	284432	3291616	91.48%	4.916%
13	12.581	12.534	12.633	PV	290024	3226732	89.68%	4.819%
14	14.451	14.414	14.470	PV	256334	2984688	82.95%	4.458%
15	14.492	14.470	14.658	VB	259225	3250919	90.35%	4.855%
16	15.997	15.961	16.012	BV	257955	3074553	85.45%	4.592%
17	16.027	16.012	16.171	VB	245800	3023398	84.03%	4.515%
18	16.372	16.294	16.458	BV	230365	3026012	84.10%	4.519%
19	17.737	17.701	17.755	BV	213338	2636324	73.27%	3.937%
20	17.777	17.755	17.954	VV	197036	3263027	90.69%	4.873%
21	17.987	17.954	18.151	VB	213971	3076637	85.51%	4.595%

Sum of corrected areas: 66957247

Aromatic EPH 102324.M Wed Oct 23 18:18:39 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.373	1535833	10.143 ug/ml
	Spiked Amount 50.000		Recovery =	20.29%
6)	S 2-Flurobiphenyl (SURR)	8.224	998081	9.973 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	19.95%
11)	S ortho-Terphenyl (SURR)	11.257	1758096	10.404 ug/ml
	Spiked Amount 50.000		Recovery =	20.81%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.196	1780007	10.297 ug/ml
2)	T Naphthalene (C11.7)	5.714	1822653	10.186 ug/ml
3)	T 2-Methylnaphthalene (...	6.760	1826622	10.197 ug/ml
5)	T Acenaphthylene (C15.06)	8.025	1809718	10.335 ug/ml
7)	T Acenaphthene (C15.5)	8.318	1838643	10.425 ug/ml
8)	T Flouorene (C16.55)	9.098	1719817	10.154 ug/ml
9)	T Phenanthrene (C19.36)	10.484	1680489	10.124 ug/ml
10)	T Anthracene (C19.43)	10.560	1635709	10.260 ug/ml
12)	T Fluoranthene (C21.85)	12.288	1671203	10.236 ug/ml
13)	T Pyrene (C20.8)	12.581	1639022	10.183 ug/ml
14)	T Benzo[a]anthracene (C...	14.450	1472368	9.868 ug/ml
15)	T Chrysene (C27.41)	14.491	1725560	10.700 ug/ml
16)	T benzo[b]fluoranthene ...	15.995	1544713	10.045 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.026	1579300	10.611 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.374	1518079	10.066 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.737	1259393	9.340 ug/ml
20)	T Dibenz[a,h]anthracene...	17.779	1780079	11.209 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.986	1603528	10.461 ug/ml

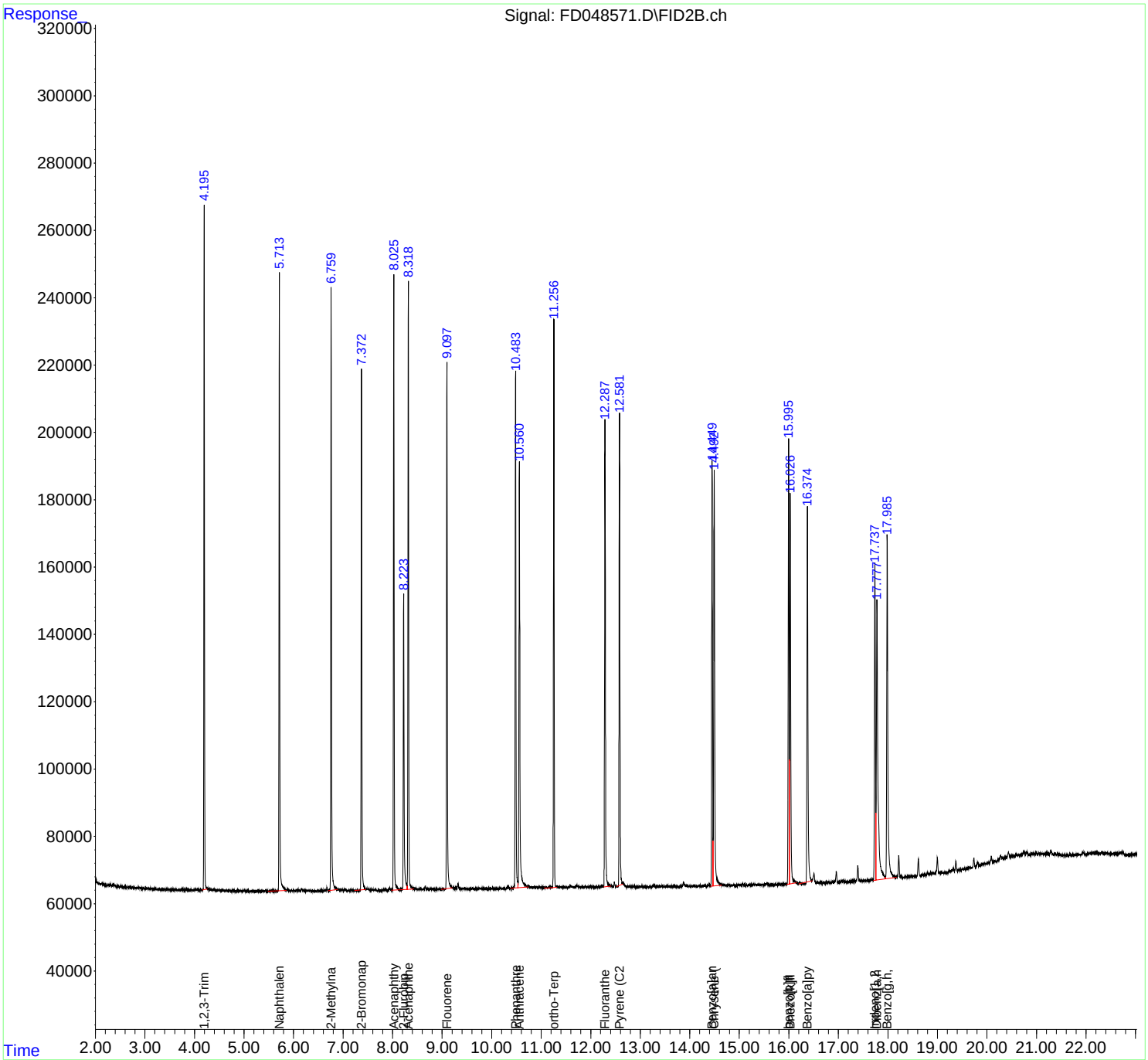
(f)=RT Delta > 1/2 Window (m)=manual int.

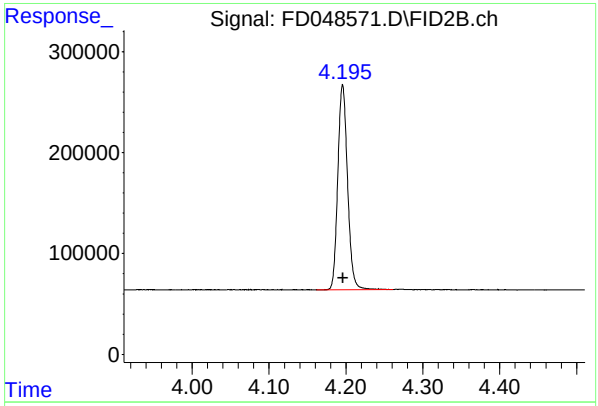
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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

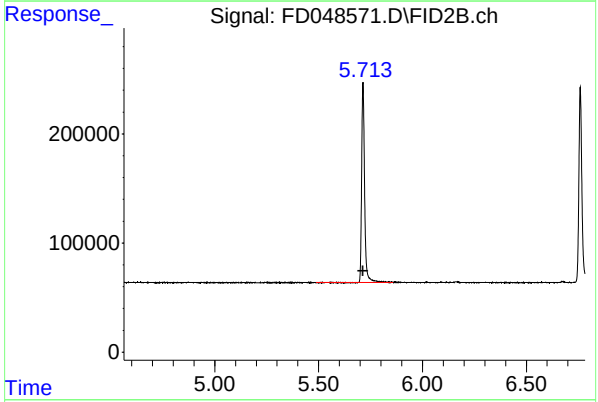




#1 1,2,3-Trimethylbenzene (C10.1)

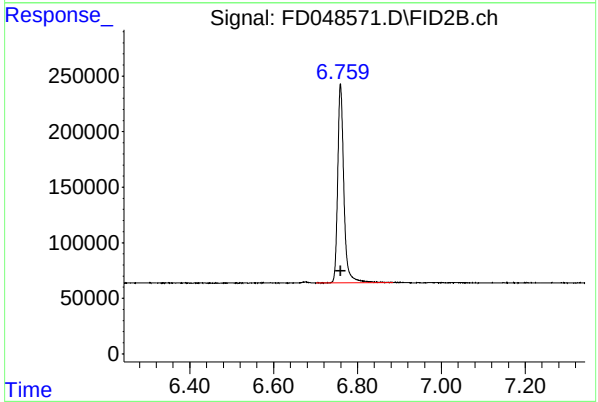
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 1780007
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



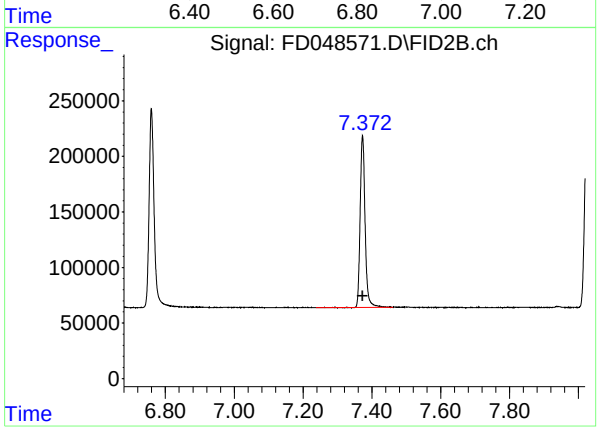
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 1822653
Conc: 10.19 ug/ml



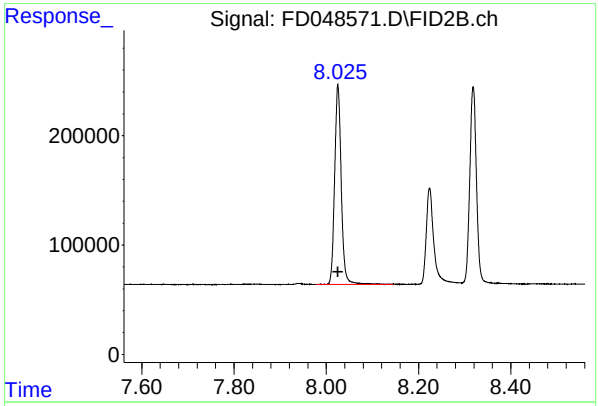
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 1826622
Conc: 10.20 ug/ml



#4 2-Bromonaphthalene (SURR)

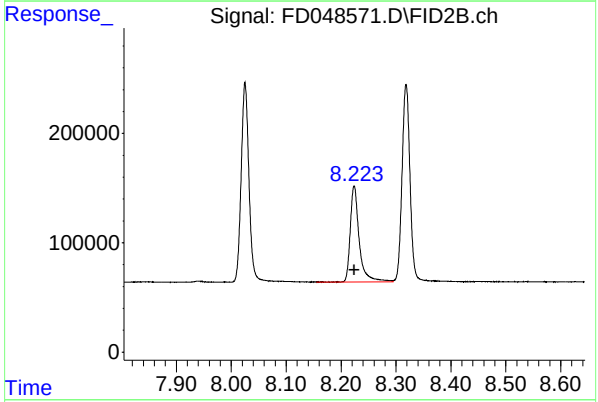
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 1535833
Conc: 10.14 ug/ml



#5 Acenaphthylene (C15.06)

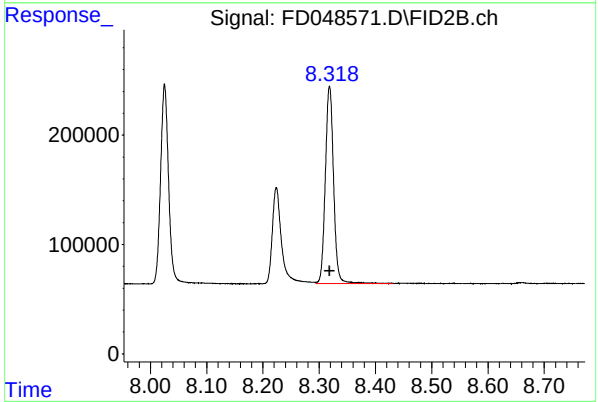
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 1809718
Conc: 10.34 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



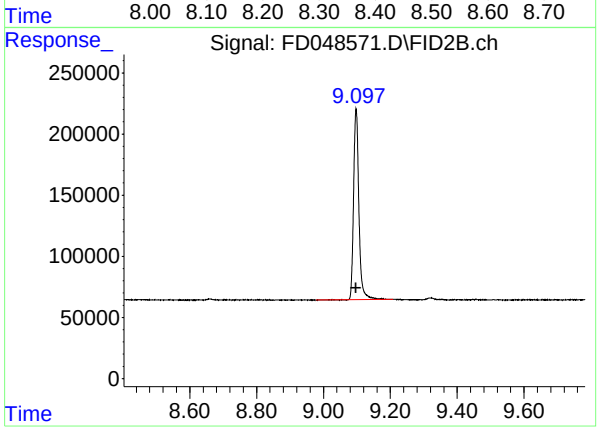
#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 998081
Conc: 9.97 ug/ml



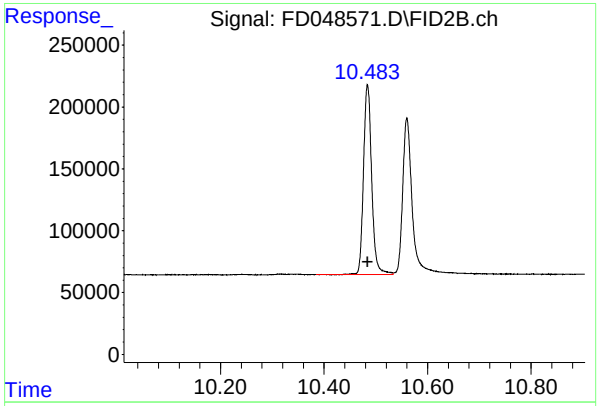
#7 Acenaphthene (C15.5)

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 1838643
Conc: 10.43 ug/ml



#8 Flouorene (C16.55)

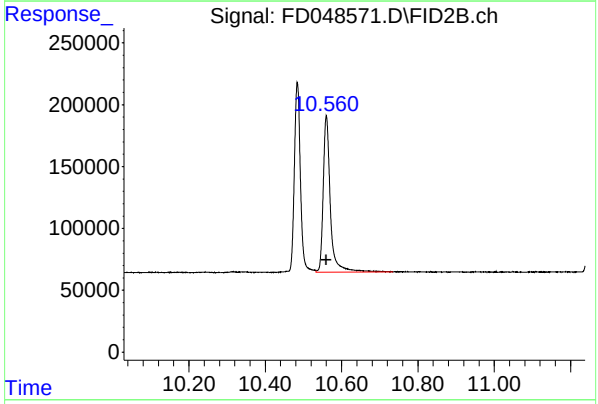
R.T.: 9.098 min
Delta R.T.: 0.000 min
Response: 1719817
Conc: 10.15 ug/ml



#9 Phenanthrene (C19.36)

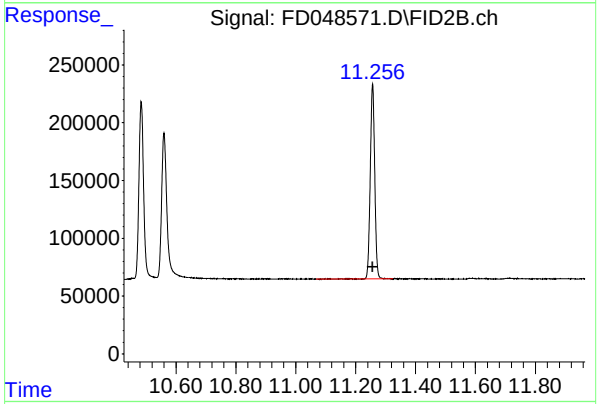
R.T.: 10.484 min
Delta R.T.: 0.000 min
Response: 1680489
Conc: 10.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



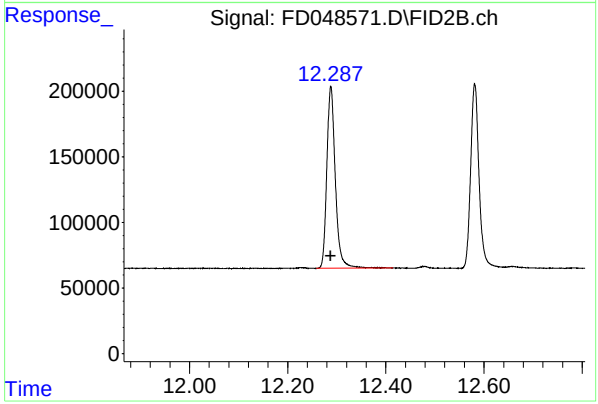
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 1635709
Conc: 10.26 ug/ml



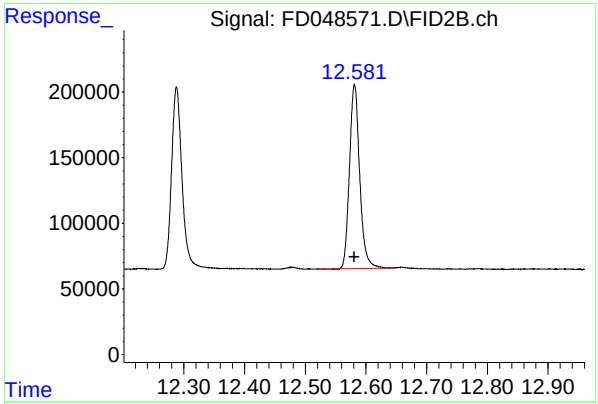
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 1758096
Conc: 10.40 ug/ml



#12 Fluoranthene (C21.85)

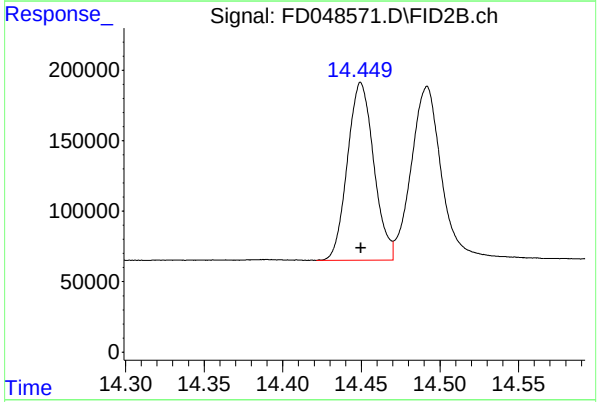
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 1671203
Conc: 10.24 ug/ml



#13 Pyrene (C20.8)

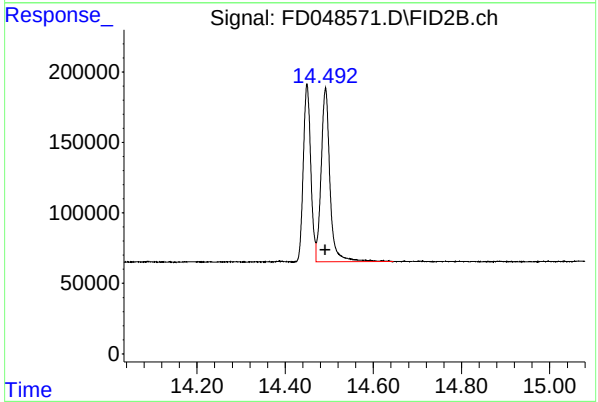
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 1639022
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



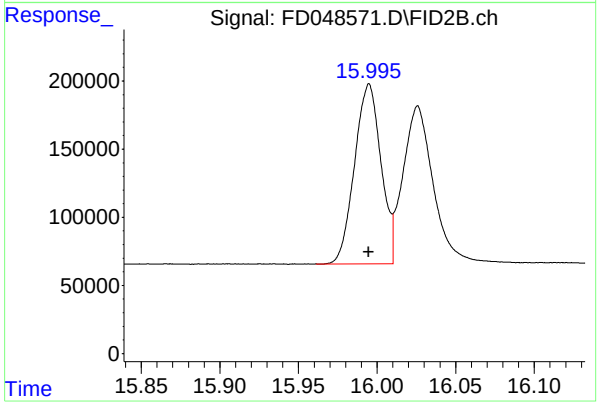
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 1472368
Conc: 9.87 ug/ml



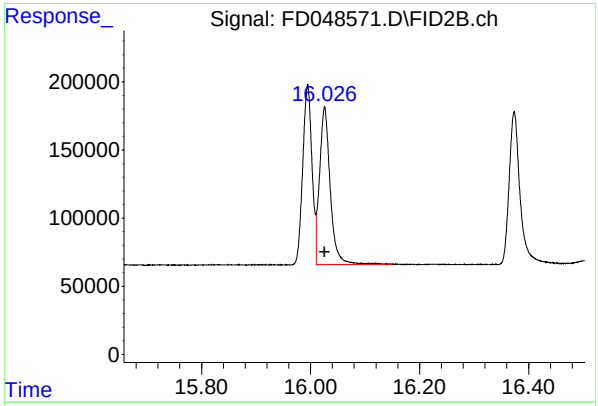
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: 0.000 min
Response: 1725560
Conc: 10.70 ug/ml



#16 benzo[b]fluoranthene (C30.41)

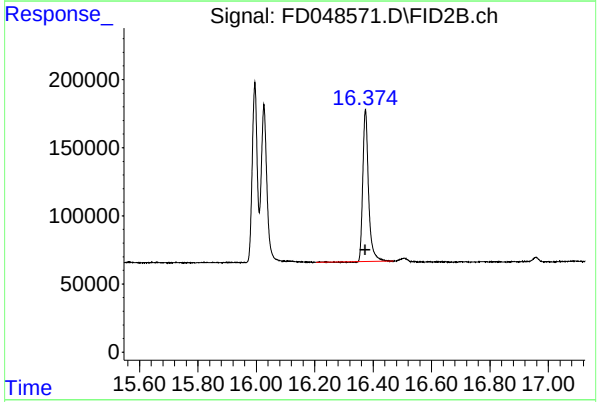
R.T.: 15.995 min
Delta R.T.: 0.000 min
Response: 1544713
Conc: 10.04 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

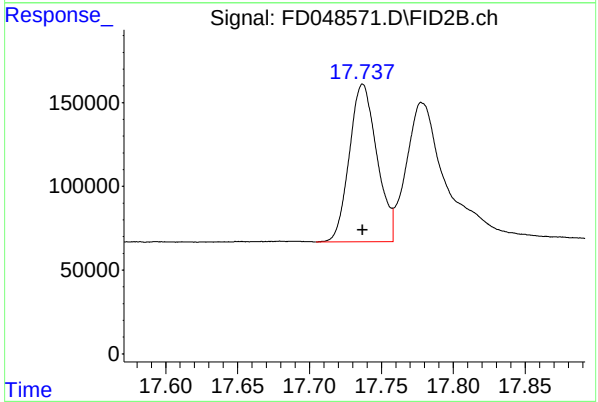
R.T.: 16.026 min
Delta R.T.: 0.000 min
Response: 1579300
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



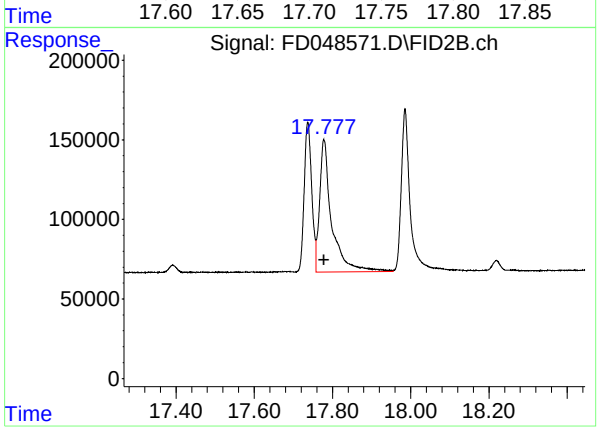
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1518079
Conc: 10.07 ug/ml



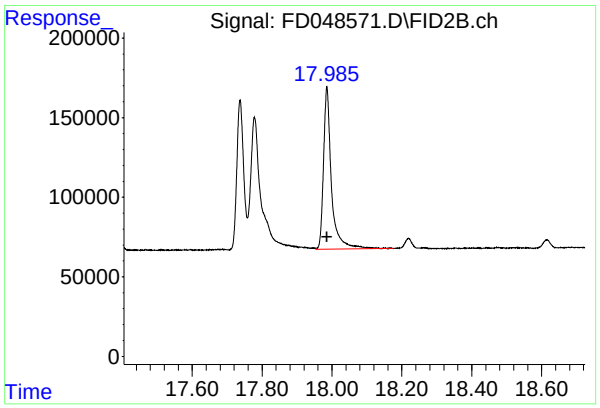
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 1259393
Conc: 9.34 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.779 min
Delta R.T.: 0.000 min
Response: 1780079
Conc: 11.21 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.986 min
Delta R.T.: 0.000 mi
Response: 1603528
Conc: 10.46 ug/m

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.196	4.161	4.261	BV	201703	1780007	96.81%	5.205%
2	5.714	5.488	5.858	BB	181375	1822653	99.13%	5.330%
3	6.760	6.701	6.885	BB	175216	1826622	99.35%	5.341%
4	7.373	7.238	7.461	BB	154245	1535833	83.53%	4.491%
5	8.025	7.978	8.145	BB	181606	1809718	98.43%	5.292%
6	8.224	8.155	8.295	BV	87703	998081	54.28%	2.918%
7	8.318	8.295	8.431	VV	180640	1838643	100.00%	5.376%
8	9.098	8.978	9.208	BB	155949	1719817	93.54%	5.029%
9	10.484	10.385	10.533	BV	153275	1680489	91.40%	4.914%
10	10.560	10.533	10.735	VB	125868	1635709	88.96%	4.783%
11	11.257	11.068	11.325	BB	168238	1758096	95.62%	5.141%
12	12.288	12.258	12.415	BB	138726	1671203	90.89%	4.887%
13	12.581	12.518	12.645	BV	140018	1639022	89.14%	4.793%
14	14.450	14.421	14.470	PV	124977	1472368	80.08%	4.305%
15	14.491	14.470	14.645	VB	122848	1725560	93.85%	5.046%
16	15.995	15.961	16.010	BV	131640	1544713	84.01%	4.517%
17	16.026	16.010	16.151	VB	114804	1579300	85.89%	4.618%
18	16.374	16.205	16.468	BV	111460	1518079	82.57%	4.439%
19	17.737	17.705	17.758	BV	94271	1259393	68.50%	3.683%
20	17.779	17.758	17.955	VV	83223	1780079	96.81%	5.205%
21	17.986	17.955	18.175	VB	101691	1603528	87.21%	4.689%
			Sum of corrected areas:			34198912		

Aromatic EPH 102324.M Wed Oct 23 18:19:08 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.375	765966	5.047 ug/ml
Spiked Amount	50.000		Recovery =	10.09%
6) S	2-Flurobiphenyl (SURR)	8.228	453280	4.616 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	9.23%
11) S	ortho-Terphenyl (SURR)	11.257	878976	5.160 ug/ml
Spiked Amount	50.000		Recovery =	10.32%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.197	891941	5.127 ug/ml
2) T	Naphthalene (C11.7)	5.716	882030	4.943 ug/ml
3) T	2-Methylnaphthalene (...	6.762	888953	4.970 ug/ml
5) T	Acenaphthylene (C15.06)	8.026	887785	5.056 ug/ml
7) T	Acenaphthene (C15.5)	8.319	906880	5.113 ug/ml
8) T	Flouorene (C16.55)	9.101	838419	4.960 ug/ml
9) T	Phenanthrene (C19.36)	10.487	812730	4.917 ug/ml
10) T	Anthracene (C19.43)	10.565	809302	5.061 ug/ml
12) T	Fluoranthene (C21.85)	12.291	849157	5.160 ug/ml
13) T	Pyrene (C20.8)	12.583	807675	5.014 ug/ml
14) T	Benzo[a]anthracene (C...	14.453	671281	4.591 ug/ml
15) T	Chrysene (C27.41)	14.493	886842	5.391 ug/ml
16) T	benzo[b]fluoranthene ...	15.998	725025	4.769 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.030	780831	5.195 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.381	746043	4.957 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	565150	4.331 ug/ml
20) T	Dibenz[a,h]anthracene...	17.787	892102	5.482 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.990	761556	4.974 ug/ml

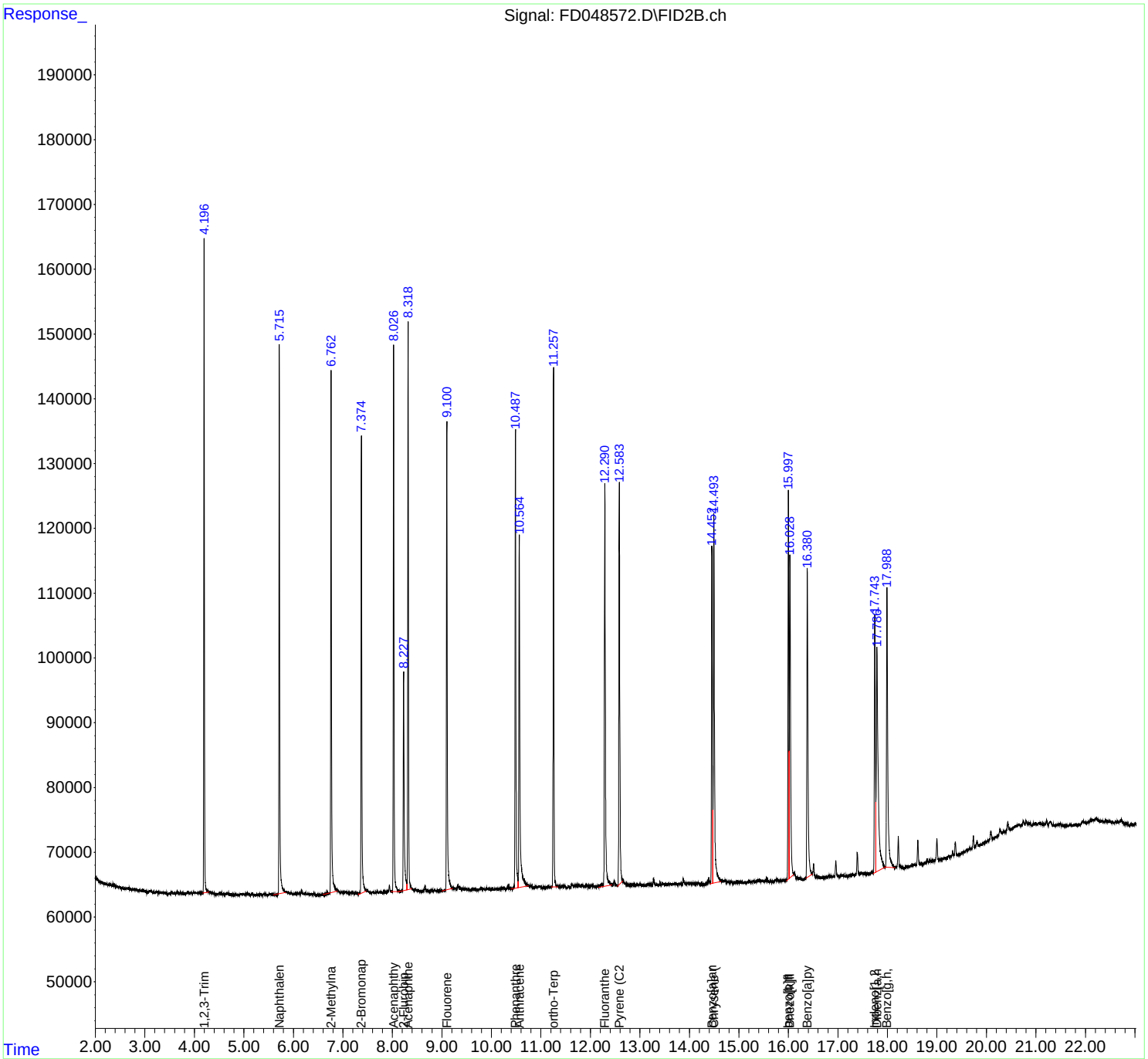
(f)=RT Delta > 1/2 Window (m)=manual int.

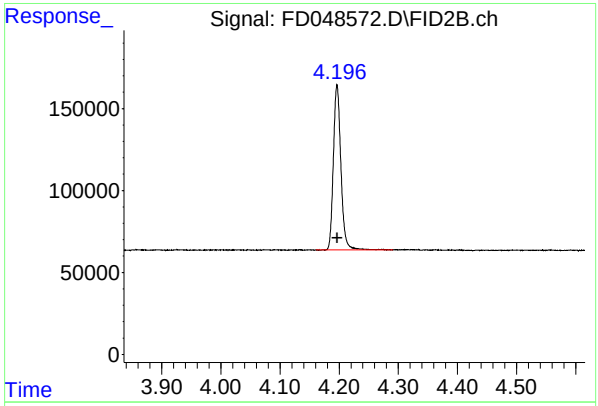
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

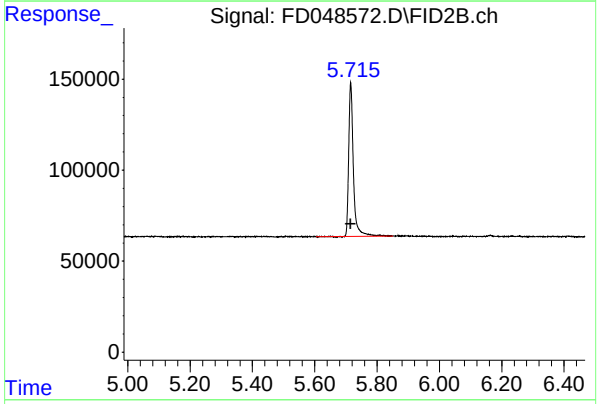




#1 1,2,3-Trimethylbenzene (C10.1)

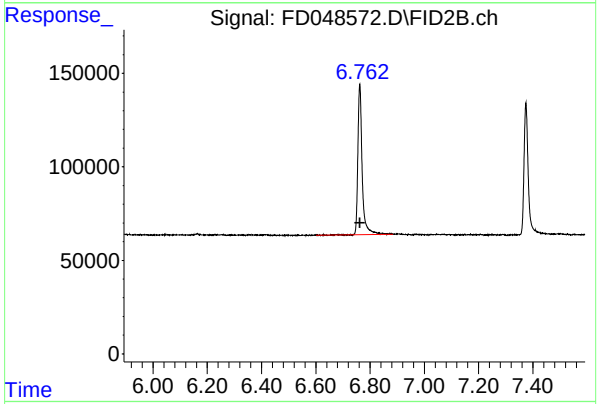
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 891941
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



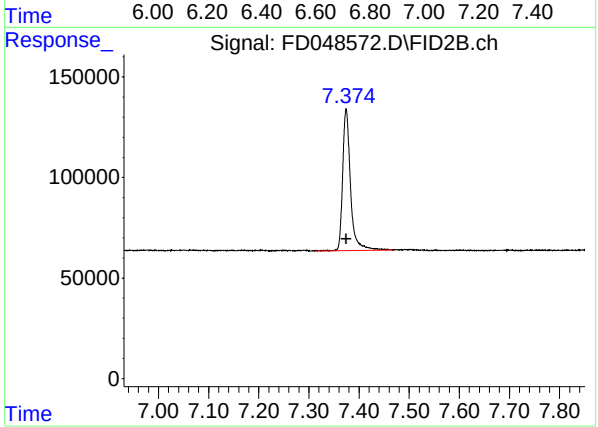
#2 Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 882030
Conc: 4.94 ug/ml



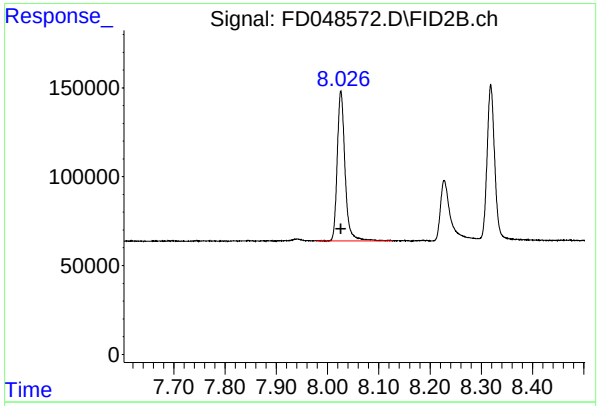
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 888953
Conc: 4.97 ug/ml



#4 2-Bromonaphthalene (SURR)

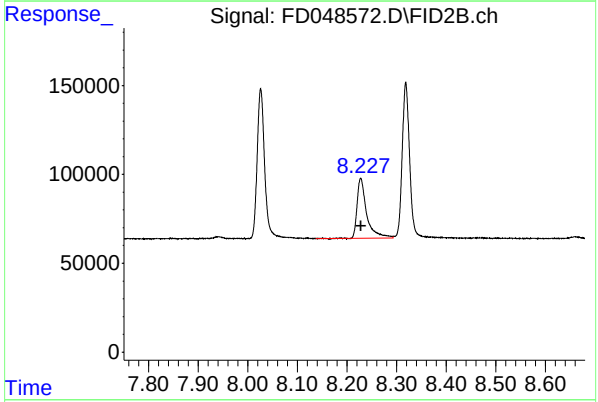
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 765966
Conc: 5.05 ug/ml



#5 Acenaphthylene (C15.06)

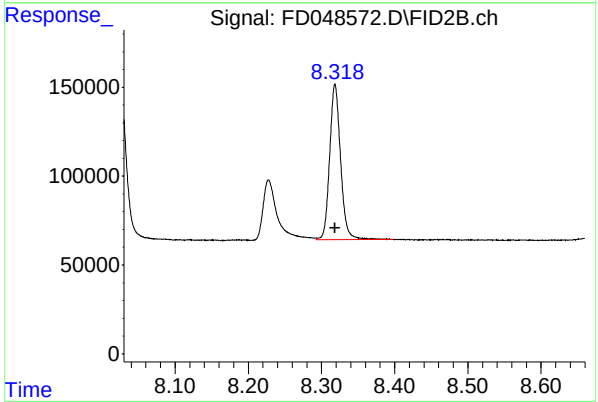
R.T.: 8.026 min
Delta R.T.: 0.000 min
Response: 887785
Conc: 5.06 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



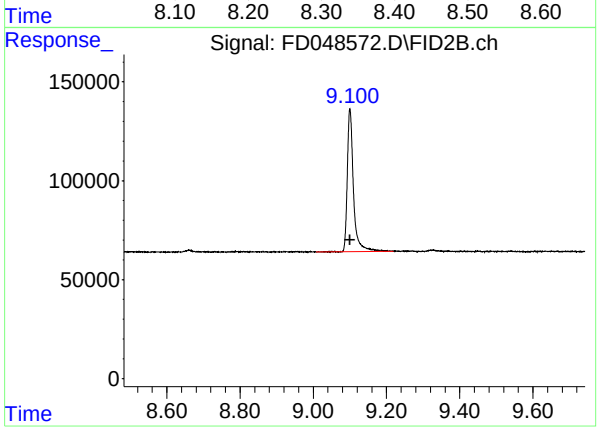
#6 2-Flurobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 453280
Conc: 4.62 ug/ml



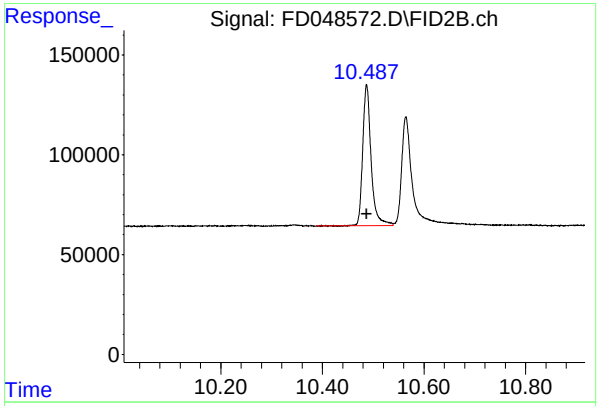
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 906880
Conc: 5.11 ug/ml



#8 Flouorene (C16.55)

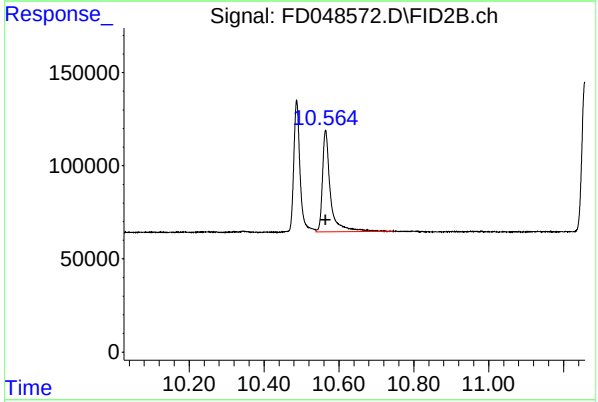
R.T.: 9.101 min
Delta R.T.: 0.000 min
Response: 838419
Conc: 4.96 ug/ml



#9 Phenanthrene (C19.36)

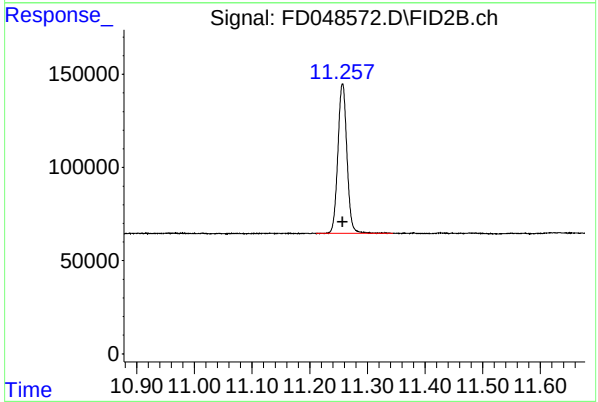
R.T.: 10.487 min
Delta R.T.: 0.000 min
Response: 812730
Conc: 4.92 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



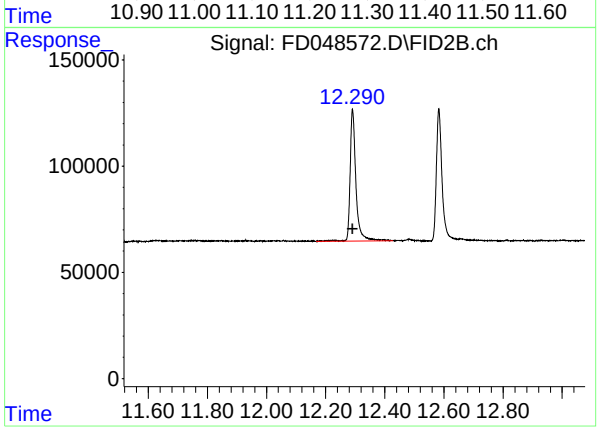
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 809302
Conc: 5.06 ug/ml



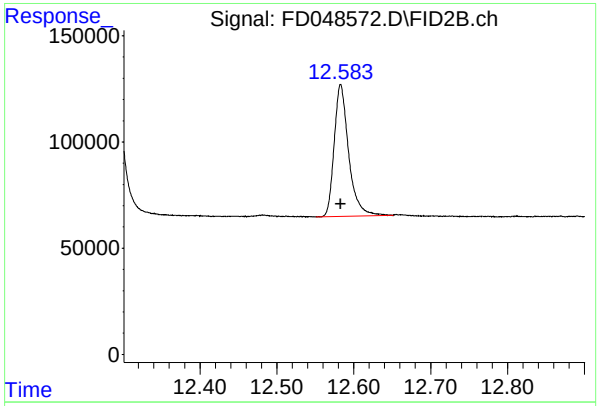
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 878976
Conc: 5.16 ug/ml



#12 Fluoranthene (C21.85)

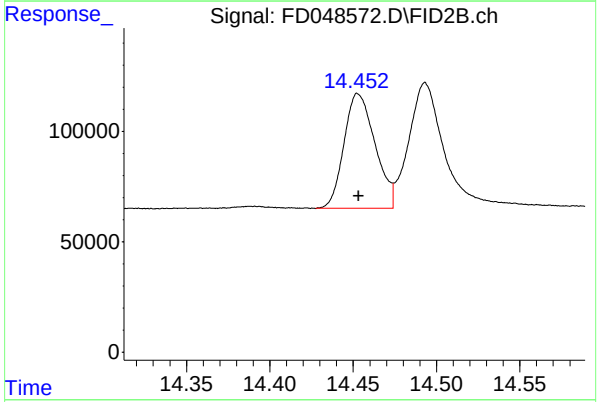
R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 849157
Conc: 5.16 ug/ml



#13 Pyrene (C20.8)

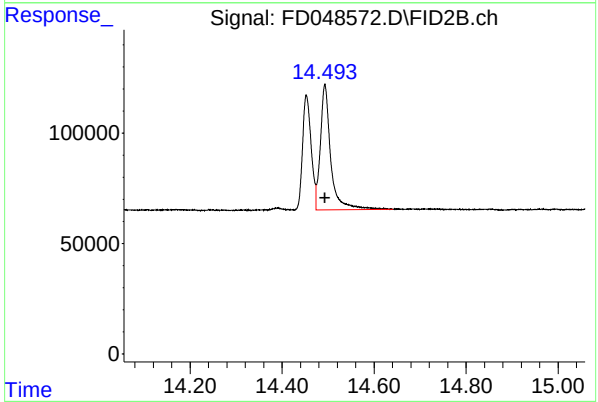
R.T.: 12.583 min
Delta R.T.: 0.000 min
Response: 807675
Conc: 5.01 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



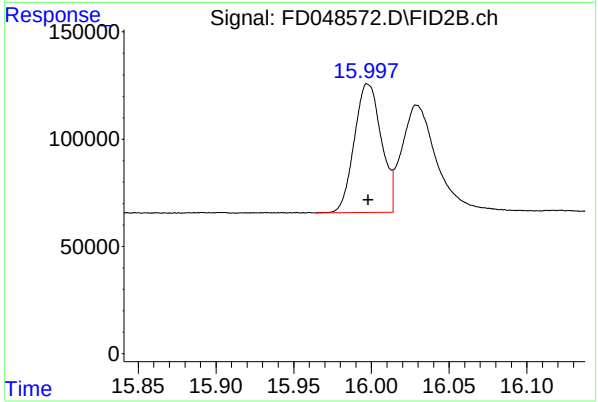
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.453 min
Delta R.T.: 0.000 min
Response: 671281
Conc: 4.59 ug/ml



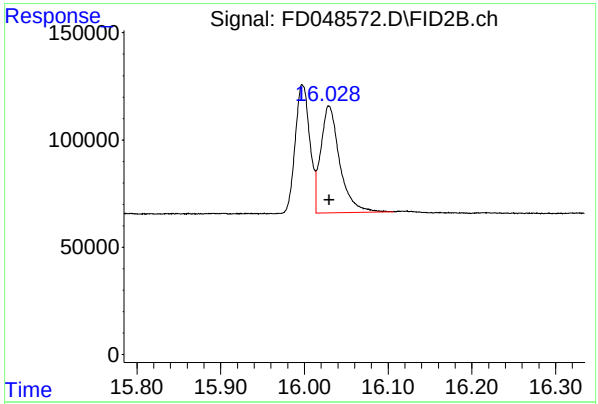
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.000 min
Response: 886842
Conc: 5.39 ug/ml



#16 benzo[b]fluoranthene (C30.41)

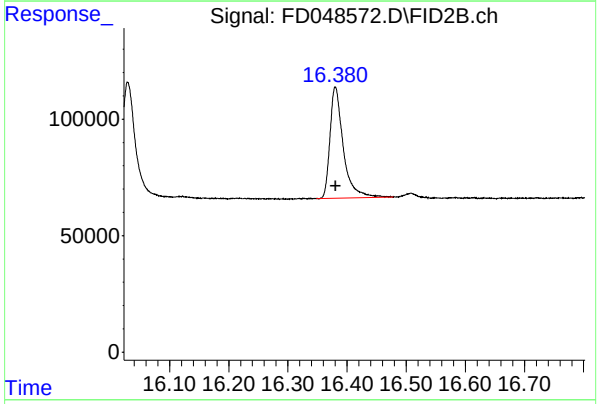
R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 725025
Conc: 4.77 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

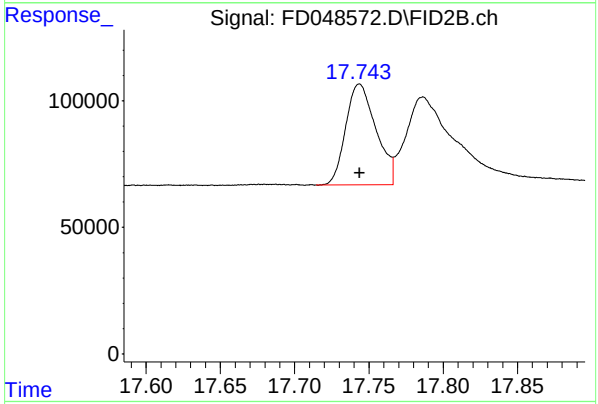
R.T.: 16.030 min
Delta R.T.: 0.000 min
Response: 780831
Conc: 5.20 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



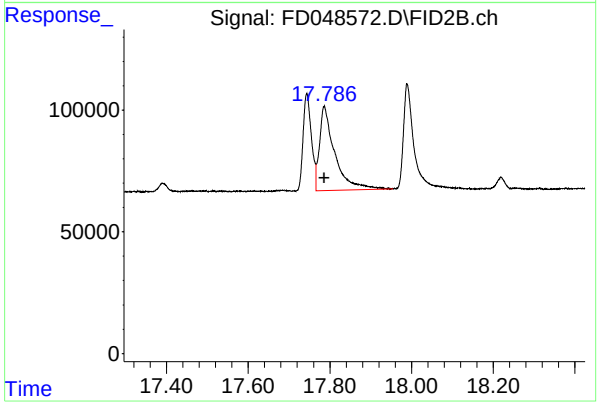
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 746043
Conc: 4.96 ug/ml



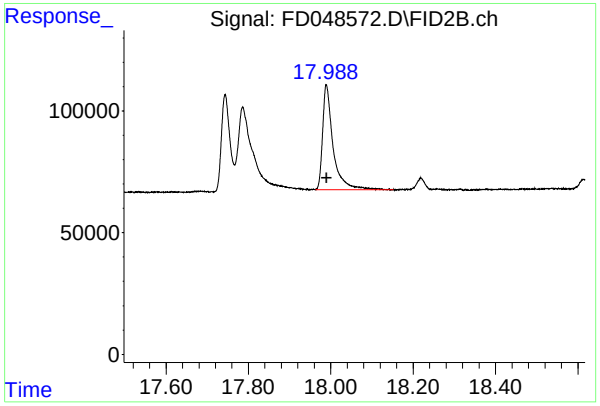
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.000 min
Response: 565150
Conc: 4.33 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.787 min
Delta R.T.: 0.000 min
Response: 892102
Conc: 5.48 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.990 min
Delta R.T.: 0.000 mi
Response: 761556
Conc: 4.97 ug/m

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.197	4.161	4.291	BB	99856	891941	98.35%	5.340%
2	5.716	5.604	5.851	BB	84500	882030	97.26%	5.281%
3	6.762	6.601	6.884	BB	80288	888953	98.02%	5.322%
4	7.375	7.314	7.468	BB	70282	765966	84.46%	4.586%
5	8.026	7.978	8.128	BB	83372	887785	97.89%	5.315%
6	8.228	8.138	8.293	BV	33723	453280	49.98%	2.714%
7	8.319	8.293	8.398	VB	87190	906880	100.00%	5.430%
8	9.101	9.008	9.218	BB	71759	838419	92.45%	5.020%
9	10.487	10.388	10.539	BV	70612	812730	89.62%	4.866%
10	10.565	10.539	10.744	VB	54403	809302	89.24%	4.846%
11	11.257	11.211	11.344	BB	80592	878976	96.92%	5.263%
12	12.291	12.168	12.428	BB	61860	849157	93.64%	5.084%
13	12.583	12.551	12.651	BV	61467	807675	89.06%	4.836%
14	14.453	14.428	14.474	PV	51289	671281	74.02%	4.019%
15	14.493	14.474	14.641	VB	56549	886842	97.79%	5.310%
16	15.998	15.964	16.014	BV	60013	725025	79.95%	4.341%
17	16.030	16.014	16.106	VV	49388	780831	86.10%	4.675%
18	16.381	16.348	16.478	BV	47621	746043	82.26%	4.467%
19	17.744	17.714	17.766	BV	39855	565150	62.32%	3.384%
20	17.787	17.766	17.954	VB	34397	892102	98.37%	5.341%
21	17.990	17.964	18.151	BB	42474	761556	83.98%	4.560%
			Sum of corrected areas:			16701921		

Aromatic EPH 102324.M Wed Oct 23 18:19:26 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	3035391	19.999 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.222	2009011	20.460 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.92%
11) S	ortho-Terphenyl (SURR)	11.258	3418196	20.067 ug/ml
Spiked Amount	50.000		Recovery =	40.13%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	3511974	20.187 ug/ml
2) T	Naphthalene (C11.7)	5.713	3621999	20.299 ug/ml
3) T	2-Methylnaphthalene (...	6.760	3629138	20.290 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	3549708	20.216 ug/ml
7) T	Acenaphthene (C15.5)	8.319	3566386	20.108 ug/ml
8) T	Flouorene (C16.55)	9.098	3449130	20.405 ug/ml
9) T	Phenanthrene (C19.36)	10.485	3337748	20.191 ug/ml
10) T	Anthracene (C19.43)	10.560	3166872	19.804 ug/ml
12) T	Fluoranthene (C21.85)	12.288	3304952	20.082 ug/ml
13) T	Pyrene (C20.8)	12.581	3231023	20.059 ug/ml
14) T	Benzo[a]anthracene (C...	14.450	2986450	20.425 ug/ml
15) T	Chrysene (C27.41)	14.492	3268283	19.869 ug/ml
16) T	benzo[b]fluoranthene ...	15.997	3076351	20.235 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.029	3007230	20.008 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.372	3055729	20.304 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	2639364	20.228 ug/ml
20) T	Dibenz[a,h]anthracene...	17.776	3309486	20.337 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.987	3030209	19.793 ug/ml

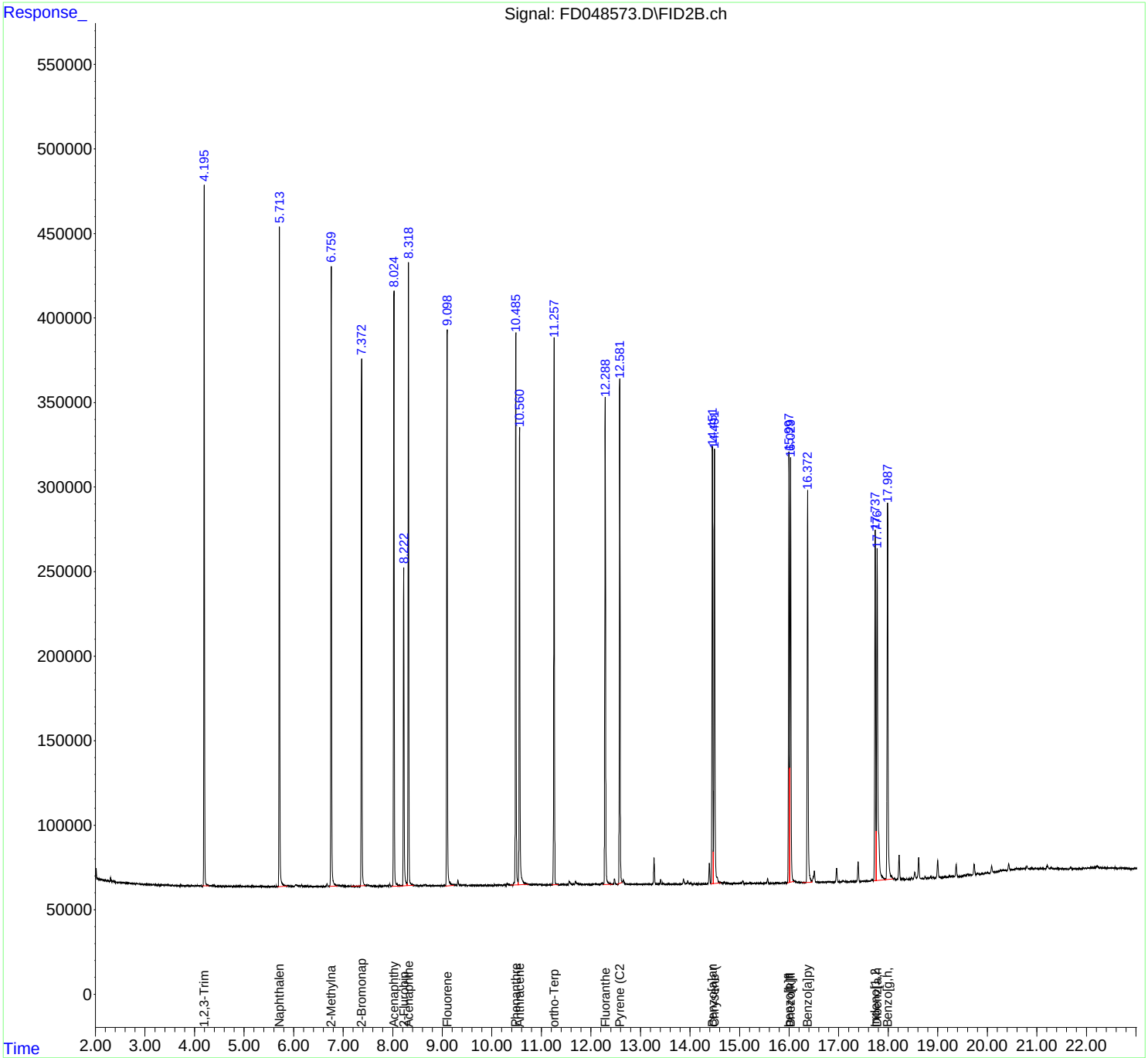
(f)=RT Delta > 1/2 Window (m)=manual int.

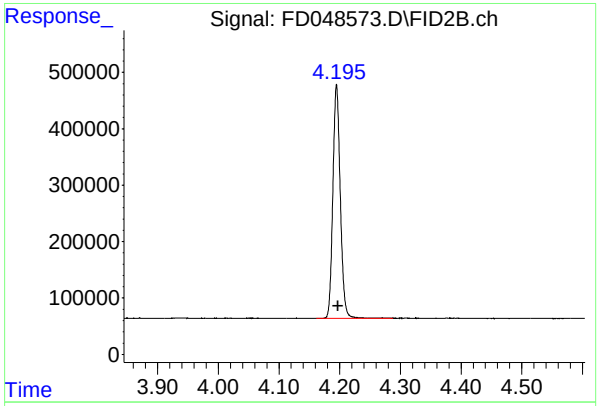
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

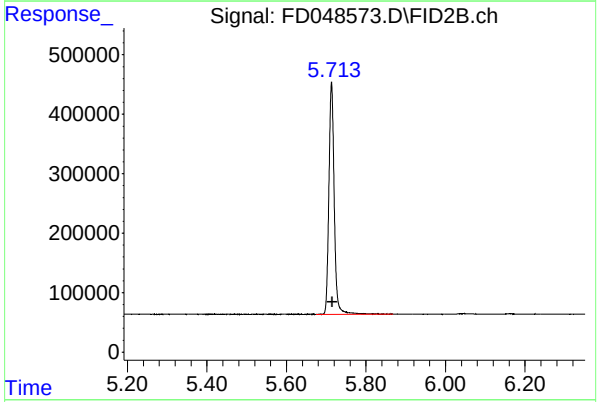




#1 1,2,3-Trimethylbenzene (C10.1)

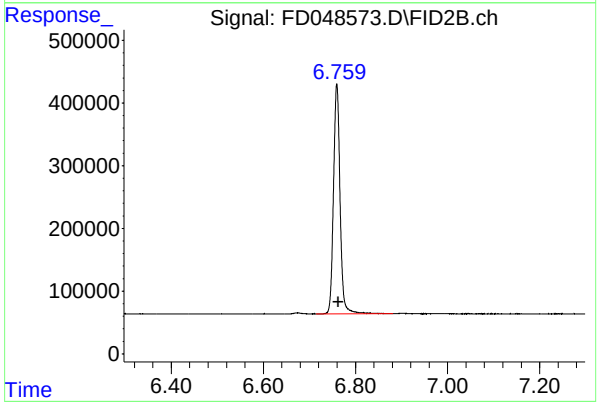
R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 3511974
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



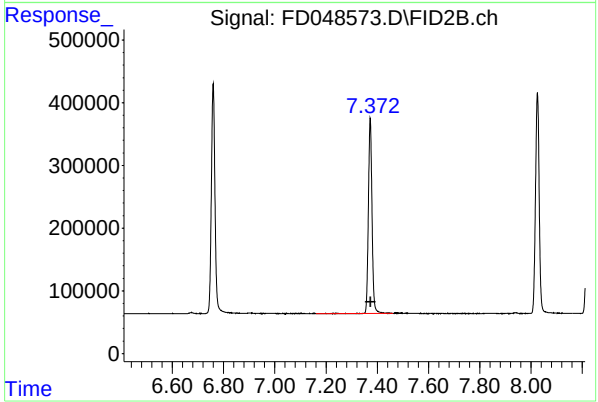
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: -0.002 min
Response: 3621999
Conc: 20.30 ug/ml



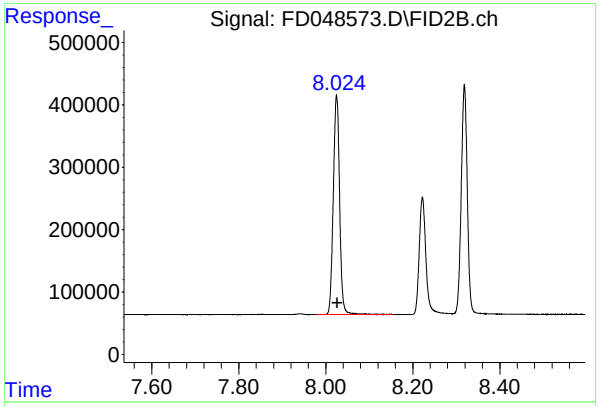
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: -0.003 min
Response: 3629138
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

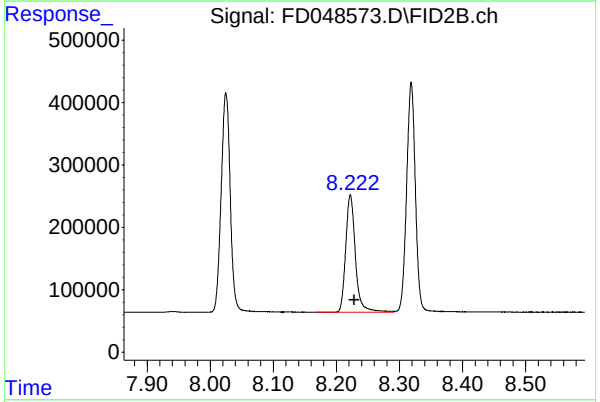
R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 3035391
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

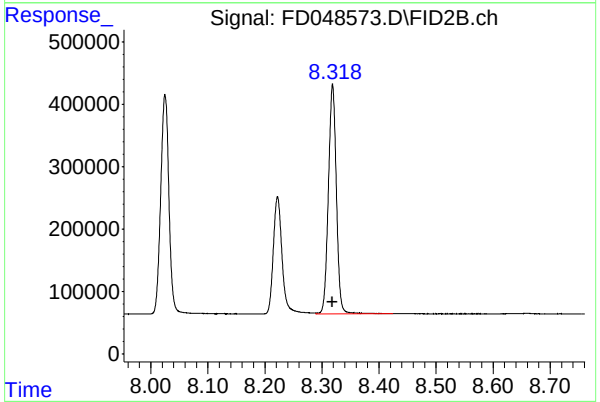
R.T.: 8.025 min
Delta R.T.: -0.001 min
Response: 3549708
Conc: 20.22 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



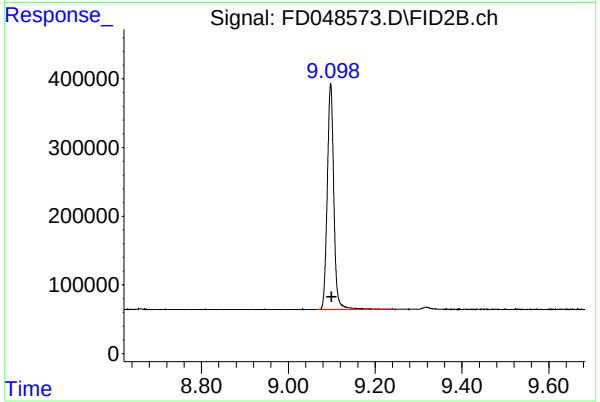
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 2009011
Conc: 20.46 ug/ml



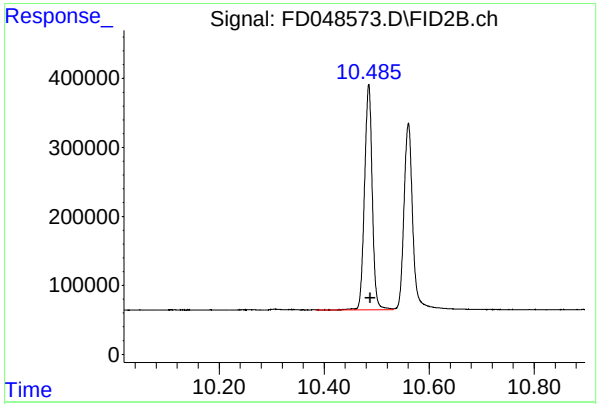
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3566386
Conc: 20.11 ug/ml



#8 Flouorene (C16.55)

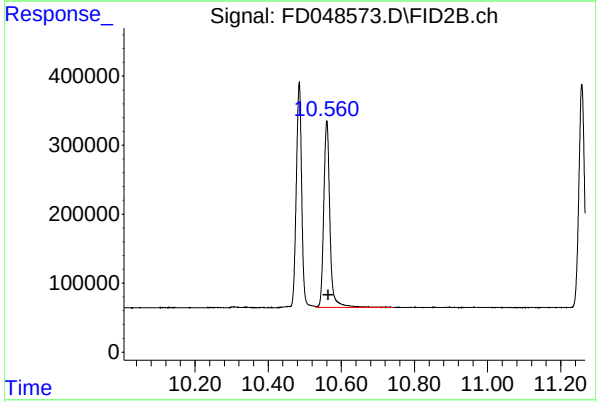
R.T.: 9.098 min
Delta R.T.: -0.003 min
Response: 3449130
Conc: 20.40 ug/ml



#9 Phenanthrene (C19.36)

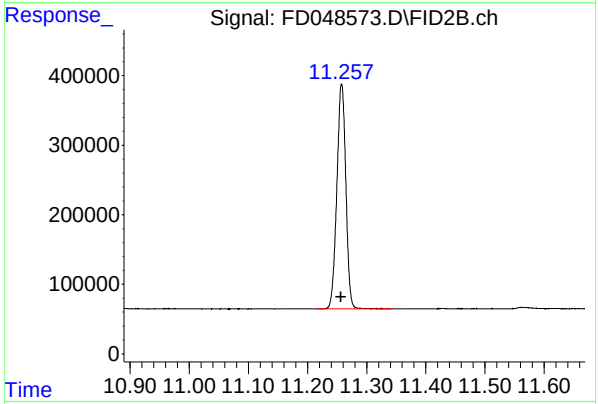
R.T.: 10.485 min
Delta R.T.: -0.003 min
Response: 3337748
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



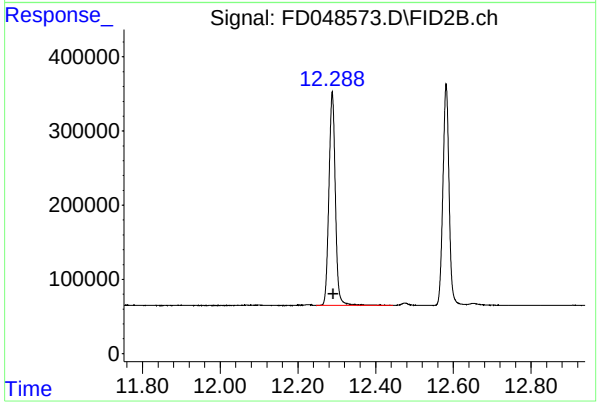
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.004 min
Response: 3166872
Conc: 19.80 ug/ml



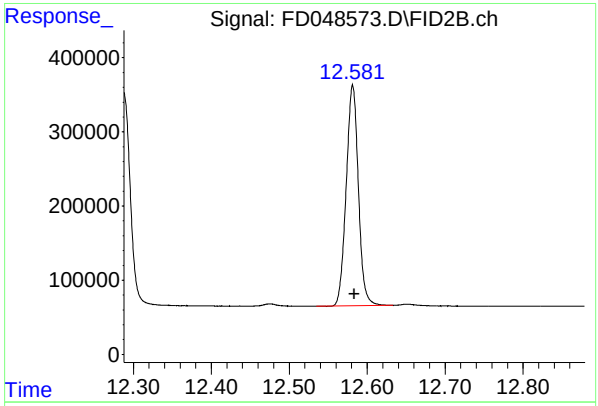
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3418196
Conc: 20.07 ug/ml



#12 Fluoranthene (C21.85)

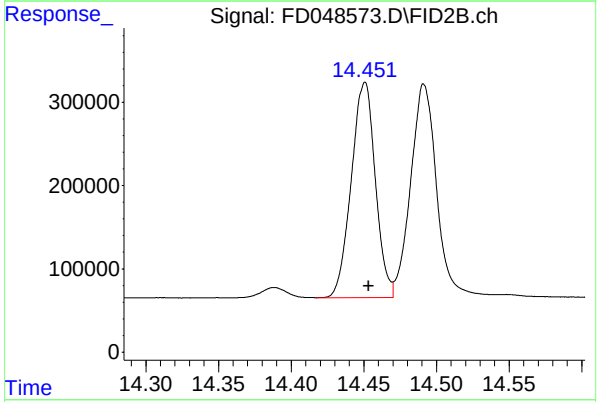
R.T.: 12.288 min
Delta R.T.: -0.003 min
Response: 3304952
Conc: 20.08 ug/ml



#13 Pyrene (C20.8)

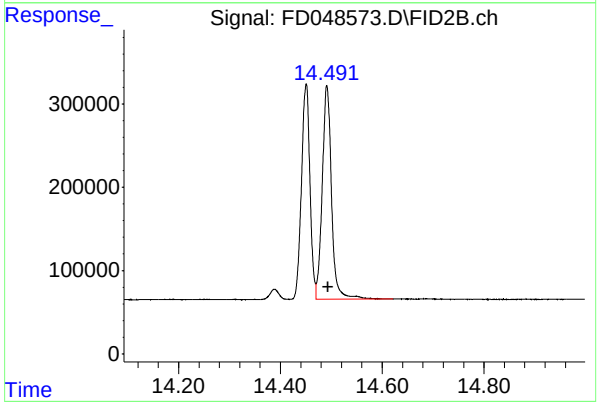
R.T.: 12.581 min
Delta R.T.: -0.002 min
Response: 3231023
Conc: 20.06 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



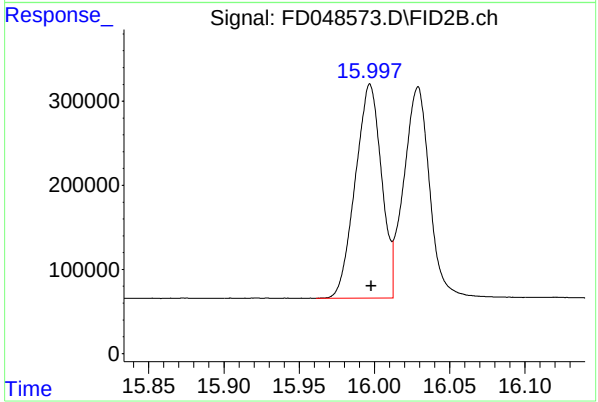
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.003 min
Response: 2986450
Conc: 20.42 ug/ml



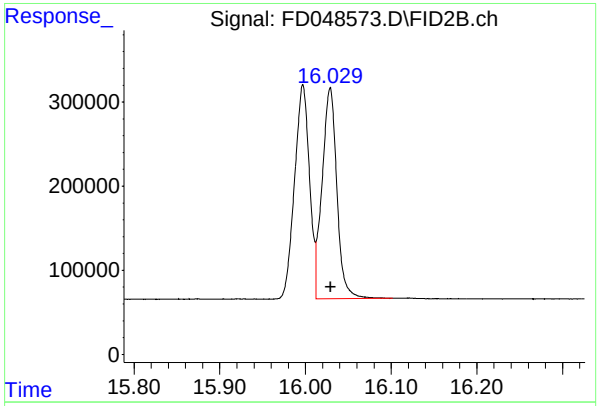
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.002 min
Response: 3268283
Conc: 19.87 ug/ml



#16 benzo[b]fluoranthene (C30.41)

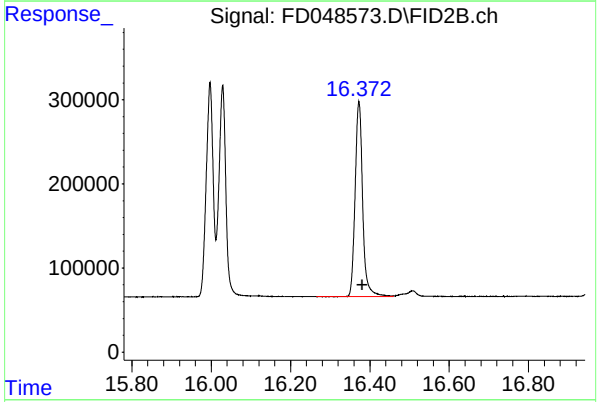
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3076351
Conc: 20.24 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

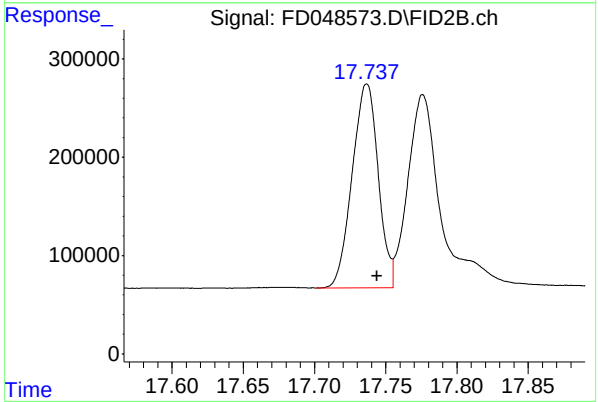
R.T.: 16.029 min
Delta R.T.: 0.000 min
Response: 3007230
Conc: 20.01 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



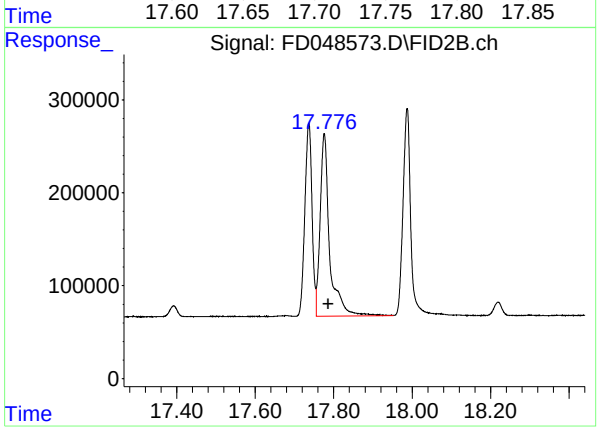
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: -0.008 min
Response: 3055729
Conc: 20.30 ug/ml



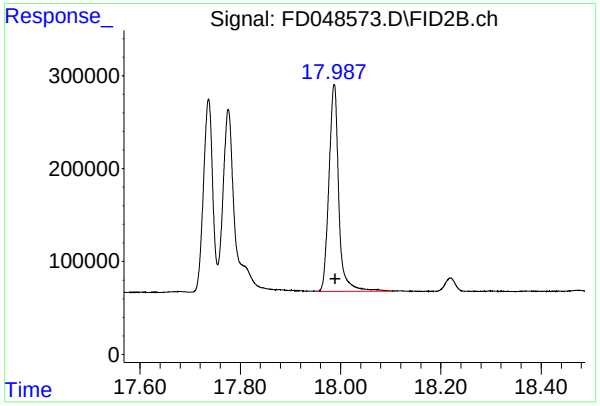
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: -0.007 min
Response: 2639364
Conc: 20.23 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.776 min
Delta R.T.: -0.011 min
Response: 3309486
Conc: 20.34 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.987 min
Delta R.T.: -0.003 mi
Response: 3030209
Conc: 19.79 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.195	4.161	4.288	BB	411534	3511974	96.77%	5.226%
2	5.713	5.674	5.868	BB	387327	3621999	99.80%	5.390%
3	6.760	6.714	6.881	BV	365701	3629138	100.00%	5.400%
4	7.372	7.161	7.461	BB	308815	3035391	83.64%	4.517%
5	8.025	7.978	8.154	BB	351890	3549708	97.81%	5.282%
6	8.222	8.168	8.290	BV	187045	2009011	55.36%	2.989%
7	8.319	8.290	8.424	VB	365720	3566386	98.27%	5.307%
8	9.098	9.064	9.241	PB	328779	3449130	95.04%	5.132%
9	10.485	10.384	10.531	BV	326000	3337748	91.97%	4.967%
10	10.560	10.531	10.741	VB	271677	3166872	87.26%	4.712%
11	11.258	11.214	11.344	BB	324343	3418196	94.19%	5.086%
12	12.288	12.247	12.444	PB	286640	3304952	91.07%	4.918%
13	12.581	12.534	12.633	BV	297215	3231023	89.03%	4.808%
14	14.450	14.417	14.470	VV	260406	2986450	82.29%	4.444%
15	14.492	14.470	14.621	VB	257062	3268283	90.06%	4.863%
16	15.997	15.961	16.012	BV	254462	3076351	84.77%	4.578%
17	16.029	16.012	16.102	VV	249107	3007230	82.86%	4.475%
18	16.372	16.264	16.458	BV	231238	3055729	84.20%	4.547%
19	17.737	17.701	17.755	BV	208961	2639364	72.73%	3.927%
20	17.776	17.755	17.951	VV	196335	3309486	91.19%	4.924%
21	17.987	17.951	18.104	VV	224512	3030209	83.50%	4.509%
			Sum of corrected areas:			67204630		

Aromatic EPH 102324.M Wed Oct 23 18:51:40 2024

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

Continuing Calibration Report for SequenceID : FC102524AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067525.D**						
Aliphatic C9-C12	8099461.000	60.000	3.173	6.453	134991.017	135469.641	0.353
Aliphatic C12-C16	5283502.000	40.000	6.454	9.843	132087.550	131681.730	-0.308
Aliphatic C16-C21	7645839.000	60.000	9.844	13.201	127430.650	127235.092	-0.154
Aliphatic C21-C28	9642398.000	80.000	13.202	16.856	120529.975	120090.398	-0.366
Aliphatic C28-C40	12499640.000	120.000	16.857	21.702	104163.667	101093.195	-3.037
Aliphatic EPH	43170840.000	360.000	3.173	21.702	119919.000	118799.912	-0.942

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:	25 Oct 2024 13:29
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067525.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8099461.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.843	5283502.000	40.000	ug/ml
Aliphatic C16-C21	9.844	13.201	7645839.000	60.000	ug/ml
Aliphatic C21-C28	13.202	16.856	9642398.000	80.000	ug/ml
Aliphatic C28-C40	16.857	21.702	12499640.000	120.000	ug/ml
Aliphatic EPH	3.173	21.702	43170840.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067525.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 13:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 00:47:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.494	2907727	19.817 ug/ml
Spiked Amount	50.000		Recovery =	39.63%
12) S	1-chlorooctadecane (S...	12.933	2140856	19.825 ug/ml
Spiked Amount	50.000		Recovery =	39.65%
	Target Compounds			
1) T	n-Nonane (C9)	3.273	2673625	19.846 ug/ml
2) T	n-Decane (C10)	4.338	2715987	19.934 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2955527	19.944 ug/ml
4) T	n-Dodecane (C12)	6.353	2709849	20.007 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2823696	19.995 ug/ml
6) T	n-Tetradecane (C14)	8.145	2627720	20.019 ug/ml
7) T	n-Hexadecane (C16)	9.743	2655782	20.104 ug/ml
8) T	n-Octadecane (C18)	11.182	2657825	20.118 ug/ml
10) T	n-Eicosane (C20)	12.491	2522995	19.996 ug/ml
11) T	n-Heneicosane (C21)	13.101	2465019	19.973 ug/ml
13) T	n-Docosane (C22)	13.687	2445466	19.971 ug/ml
14) T	n-Tetracosane (C24)	14.788	2426515	20.019 ug/ml
15) T	n-Hexacosane (C26)	15.807	2386104	20.042 ug/ml
16) T	n-Octacosane (C28)	16.756	2384313	20.267 ug/ml
17) T	n-Tricontane (C30)	17.642	2492523	20.621 ug/ml
18) T	n-Dotriacontane (C32)	18.473	2475137	20.919 ug/ml
19) T	n-Tetratriacontane (C34)	19.255	2184252	20.857 ug/ml
20) T	n-Hexatriacontane (C36)	19.994	1875220	20.601 ug/ml
21) T	n-Octatriacontane (C38)	20.717	1759701	20.319 ug/mlm
22) T	n-Tetracontane (C40)	21.602	1712807	20.148 ug/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067525.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 13:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

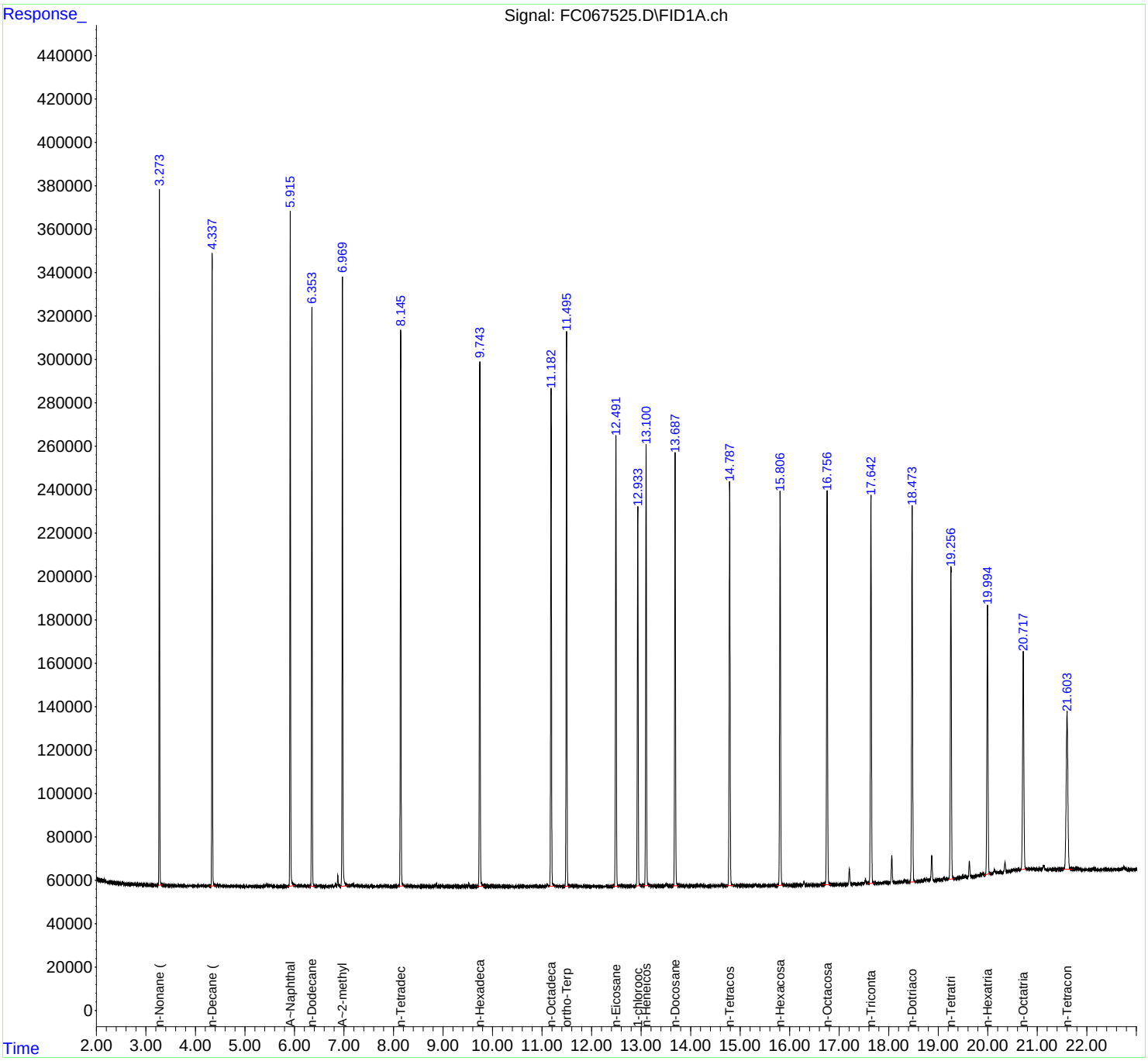
Integration File: autoint1.e
Quant Time: Oct 26 00:47:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10252
Data File : FC067525.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 13:29
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.273	3.245	3.332	BB	320365	2673625	90.46%	4.948%
2	4.338	4.279	4.409	BB	290453	2715987	91.90%	5.026%
3	5.915	5.862	6.004	BB	309854	2955527	100.00%	5.470%
4	6.353	6.295	6.419	BB	266455	2709849	91.69%	5.015%
5	6.970	6.922	7.080	BB	280488	2823696	95.54%	5.226%
6	8.145	8.080	8.215	BB	255935	2627720	88.91%	4.863%
7	9.743	9.685	9.825	BB	242205	2655782	89.86%	4.915%
8	11.182	11.142	11.262	BB	229462	2657825	89.93%	4.919%
9	11.494	11.432	11.552	BB	255402	2907727	98.38%	5.381%
10	12.491	12.424	12.552	BB	207318	2522995	85.37%	4.669%
11	12.933	12.874	12.987	BB	172360	2140856	72.44%	3.962%
12	13.101	13.035	13.159	BB	203337	2465019	83.40%	4.562%
13	13.687	13.629	13.750	BB	199452	2445466	82.74%	4.526%
14	14.788	14.722	14.860	BB	185151	2426515	82.10%	4.491%
15	15.807	15.737	15.869	BB	179518	2386104	80.73%	4.416%
16	16.756	16.674	16.827	BB	178862	2384313	80.67%	4.413%
17	17.642	17.570	17.707	BB	178133	2492523	84.33%	4.613%
18	18.473	18.409	18.537	BB	172792	2475137	83.75%	4.581%
19	19.255	19.204	19.320	BB	142143	2184252	73.90%	4.042%
20	19.994	19.935	20.035	BB	121679	1875220	63.45%	3.470%
21	20.717	20.464	20.785	BB	100708	1794680	60.72%	3.321%
22	21.602	21.519	21.707	BB	72349	1712807	57.95%	3.170%
			Sum of corrected areas:			54033626		

Aliphatic EPH 102324.M Sat Oct 26 00:57:53 2024

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

Continuing Calibration Report for SequenceID : FC102524AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067531.D**						
Aliphatic C9-C12	8188629.000	60.000	3.173	6.453	136477.150	135469.641	-0.744
Aliphatic C12-C16	5360085.000	40.000	6.454	9.843	134002.125	131681.730	-1.762
Aliphatic C16-C21	7753339.000	60.000	9.844	13.201	129222.317	127235.092	-1.562
Aliphatic C21-C28	9799143.000	80.000	13.202	16.856	122489.288	120090.398	-1.998
Aliphatic C28-C40	13090051.000	120.000	16.857	21.702	109083.758	101093.195	-7.904
Aliphatic EPH	44191247.000	360.000	3.173	21.702	122753.464	118799.912	-3.328

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:	25 Oct 2024 19:54
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067531.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8188629.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.843	5360085.000	40.000	ug/ml
Aliphatic C16-C21	9.844	13.201	7753339.000	60.000	ug/ml
Aliphatic C21-C28	13.202	16.856	9799143.000	80.000	ug/ml
Aliphatic C28-C40	16.857	21.702	13090051.000	120.000	ug/ml
Aliphatic EPH	3.173	21.702	44191247.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067531.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 19:54
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 26 00:48:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.495	2935297	20.005 ug/ml
Spiked Amount	50.000		Recovery =	40.01%
12)	S 1-chlorooctadecane (S...	12.933	2180225	20.189 ug/ml
Spiked Amount	50.000		Recovery =	40.38%
	Target Compounds			
1)	T n-Nonane (C9)	3.273	2697926	20.026 ug/ml
2)	T n-Decane (C10)	4.338	2743988	20.140 ug/ml
3)	T A~Naphthalene (C11.7)	5.916	2986889	20.156 ug/ml
4)	T n-Dodecane (C12)	6.353	2746715	20.280 ug/ml
5)	T A~2-methylnaphthalene...	6.971	2845299	20.148 ug/ml
6)	T n-Tetradecane (C14)	8.146	2669027	20.334 ug/ml
7)	T n-Hexadecane (C16)	9.744	2691058	20.371 ug/ml
8)	T n-Octadecane (C18)	11.184	2693665	20.389 ug/ml
10)	T n-Eicosane (C20)	12.491	2559406	20.284 ug/ml
11)	T n-Heneicosane (C21)	13.102	2500268	20.259 ug/ml
13)	T n-Docosane (C22)	13.687	2479994	20.253 ug/ml
14)	T n-Tetracosane (C24)	14.789	2458970	20.287 ug/ml
15)	T n-Hexacosane (C26)	15.808	2429935	20.410 ug/ml
16)	T n-Octacosane (C28)	16.756	2430244	20.657 ug/ml
17)	T n-Tricontane (C30)	17.643	2568029	21.246 ug/ml
18)	T n-Dotriacontane (C32)	18.472	2552781	21.575 ug/mlm
19)	T n-Tetratriacontane (C34)	19.256	2274941	21.722 ug/ml
20)	T n-Hexatriacontane (C36)	19.993	1939954	21.312 ug/mlm
21)	T n-Octatriacontane (C38)	20.717	1969734	22.745 ug/ml
22)	T n-Tetracontane (C40)	21.602	1784612	20.993 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102524AL\
Data File : FC067531.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 19:54
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

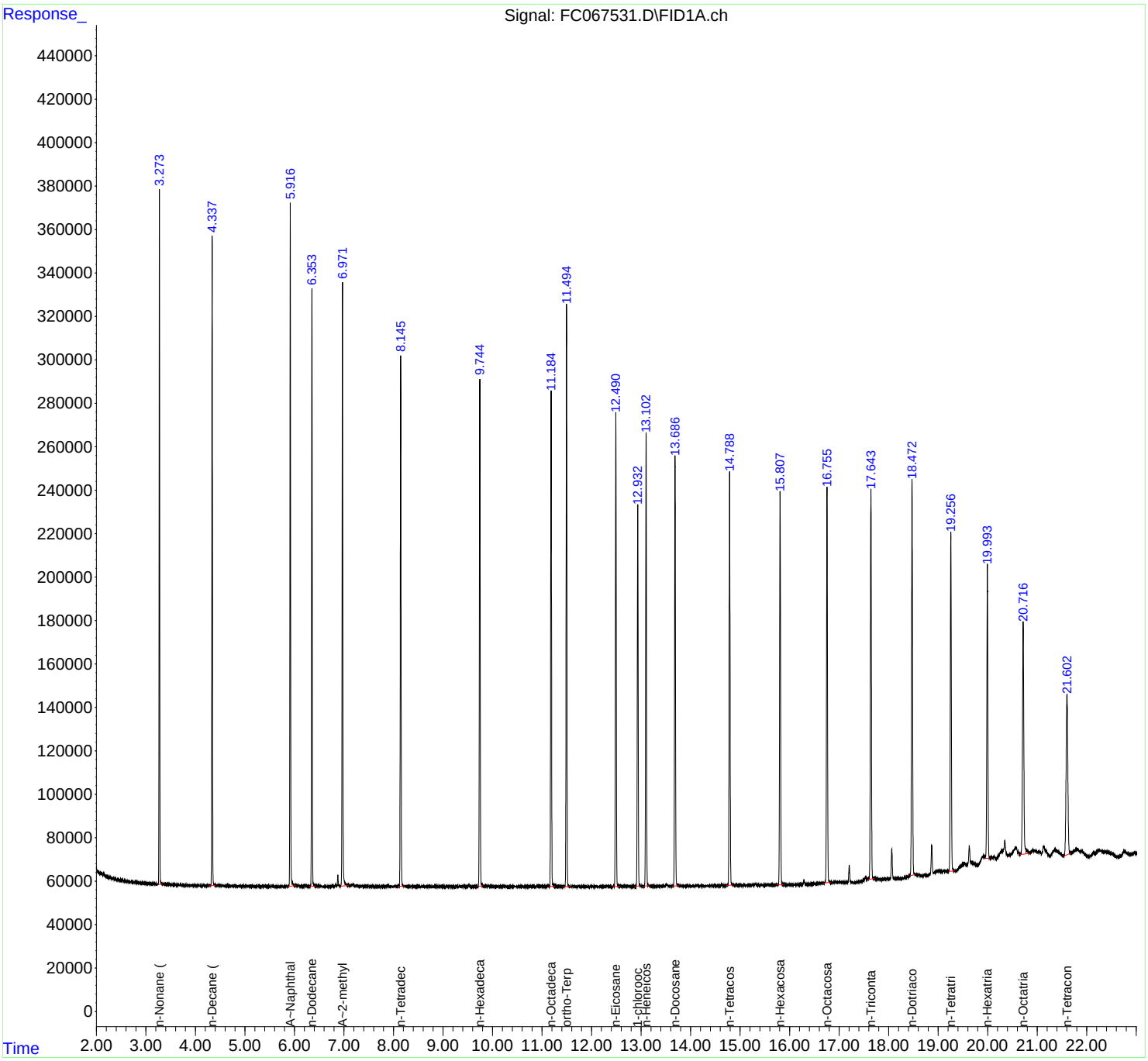
Integration File: autoint1.e
Quant Time: Oct 26 00:48:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10252
Data File : FC067531.D
Signal(s) : FID1A.ch
Acq On : 25 Oct 2024 19:54
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.273	3.245	3.332	BB	319999	2697926	90.33%	4.869%
2	4.338	4.279	4.400	BB	297939	2743988	91.87%	4.952%
3	5.916	5.860	6.014	BB	313671	2986889	100.00%	5.390%
4	6.353	6.299	6.420	BB	275255	2746715	91.96%	4.957%
5	6.971	6.924	7.077	BB	278267	2845299	95.26%	5.135%
6	8.146	8.092	8.219	BB	243439	2669027	89.36%	4.817%
7	9.744	9.685	9.812	BB	232971	2691058	90.10%	4.856%
8	11.184	11.137	11.255	BB	227225	2693665	90.18%	4.861%
9	11.495	11.430	11.560	BB	267858	2935297	98.27%	5.297%
10	12.491	12.427	12.557	BB	216650	2559406	85.69%	4.619%
11	12.933	12.865	12.987	BB	175126	2180225	72.99%	3.934%
12	13.102	13.035	13.160	BB	208940	2500268	83.71%	4.512%
13	13.687	13.620	13.762	BB	195888	2479994	83.03%	4.475%
14	14.789	14.722	14.847	BB	190521	2458970	82.33%	4.437%
15	15.808	15.739	15.877	BB	180699	2429935	81.35%	4.385%
16	16.756	16.674	16.819	BB	180586	2430244	81.36%	4.386%
17	17.643	17.570	17.712	BB	177924	2568029	85.98%	4.634%
18	18.473	18.352	18.557	BB	182140	2592168	86.78%	4.678%
19	19.256	19.210	19.342	BB	154743	2274941	76.16%	4.105%
20	19.994	19.800	20.049	BV	135833	2199343	73.63%	3.969%
21	20.717	20.657	20.847	PV	107004	1969734	65.95%	3.555%
22	21.602	21.507	21.667	BB	73259	1760841	58.95%	3.178%
			Sum of corrected areas:			55413960		

Aliphatic EPH 102324.M Sat Oct 26 00:58:37 2024

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

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067534.D**						
Aliphatic C16-C21	7789407.000	60.000	9.843	13.200	129823.450	127235.092	-2.034
Aliphatic C21-C28	9829212.000	80.000	13.201	16.853	122865.150	120090.398	-2.311
Aliphatic C28-C40	12777442.000	120.000	16.854	21.695	106478.683	101093.195	-5.327
Aliphatic EPH	43937898.000	360.000	3.173	21.695	122049.717	118799.912	-2.736
Aliphatic C9-C12	8169484.000	60.000	3.173	6.453	136158.067	135469.641	-0.508
Aliphatic C12-C16	5372353.000	40.000	6.454	9.842	134308.825	131681.730	-1.995

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Oct 2024 09:16
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067534.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8169484.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5372353.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7789407.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9829212.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	12777442.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	43937898.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067534.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 09:16
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: sample.E
Quant Time: Oct 29 00:04:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.493	2944944	20.070 ug/ml
	Spiked Amount 50.000		Recovery =	40.14%
12)	S 1-chlorooctadecane (S...	12.931	2151054	19.919 ug/ml
	Spiked Amount 50.000		Recovery =	39.84%
	Target Compounds			
1)	T n-Nonane (C9)	3.273	2689719	19.965 ug/ml
2)	T n-Decane (C10)	4.338	2739294	20.106 ug/ml
3)	T A~Naphthalene (C11.7)	5.915	2970304	20.044 ug/ml
4)	T n-Dodecane (C12)	6.353	2740471	20.233 ug/ml
5)	T A~2-methylnaphthalene...	6.970	2827262	20.020 ug/ml
6)	T n-Tetradecane (C14)	8.145	2670635	20.346 ug/ml
7)	T n-Hexadecane (C16)	9.742	2701718	20.452 ug/ml
8)	T n-Octadecane (C18)	11.181	2707873	20.497 ug/ml
10)	T n-Eicosane (C20)	12.489	2568750	20.358 ug/ml
11)	T n-Heneicosane (C21)	13.100	2512784	20.361 ug/ml
13)	T n-Docosane (C22)	13.685	2492215	20.353 ug/ml
14)	T n-Tetracosane (C24)	14.786	2467252	20.355 ug/ml
15)	T n-Hexacosane (C26)	15.805	2430324	20.413 ug/ml
16)	T n-Octacosane (C28)	16.753	2439421	20.735 ug/ml
17)	T n-Tricontane (C30)	17.638	2563605	21.209 ug/ml
18)	T n-Dotriacontane (C32)	18.470	2555141	21.595 ug/ml
19)	T n-Tetratriacontane (C34)	19.252	2239051	21.380 ug/ml
20)	T n-Hexatriacontane (C36)	19.990	1905425	20.933 ug/ml
21)	T n-Octatriacontane (C38)	20.711	1783816	20.598 ug/ml
22)	T n-Tetracontane (C40)	21.595	1730404	20.355 ug/ml

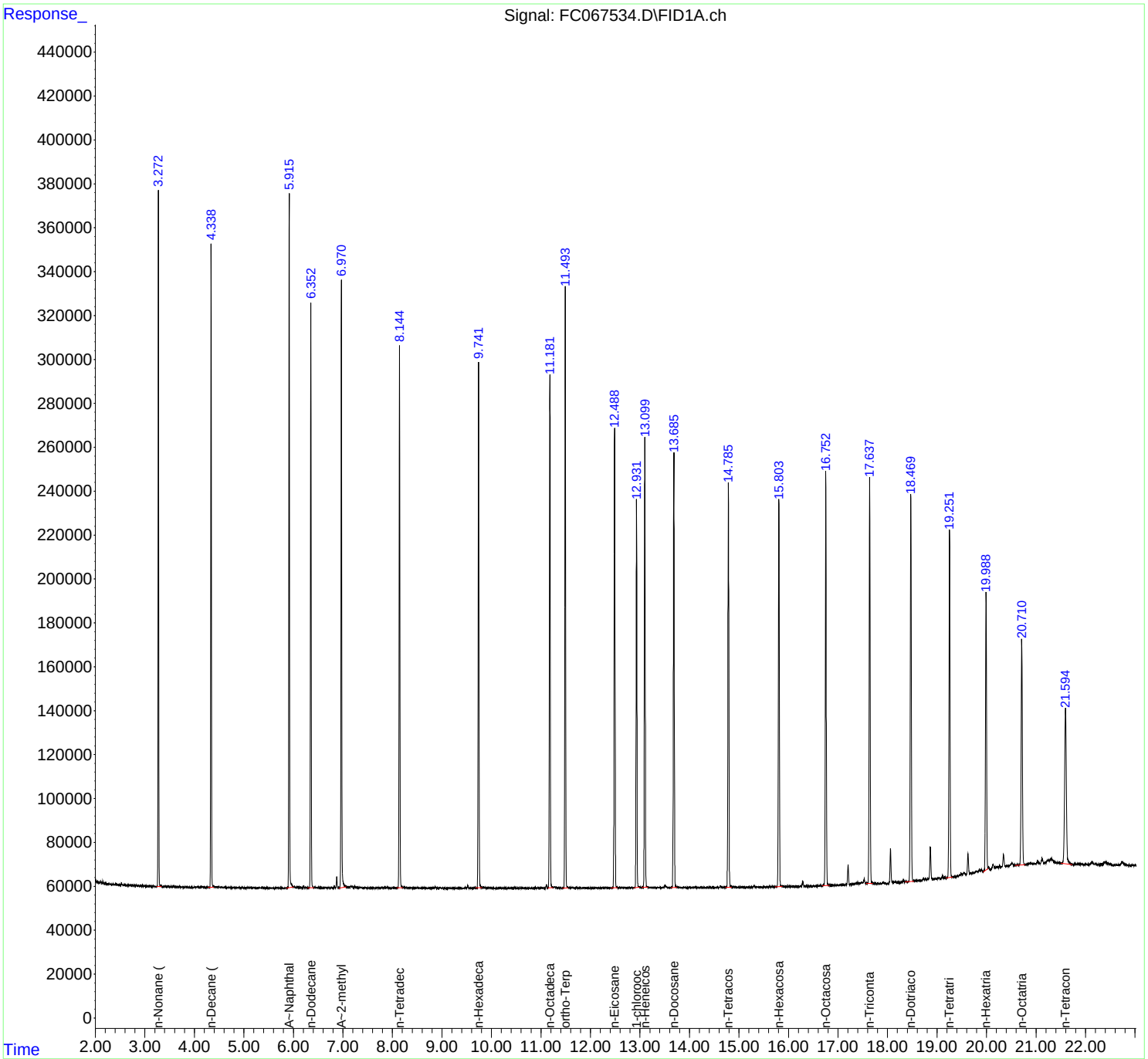
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067534.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 09:16
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: sample.E
Quant Time: Oct 29 00:04:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067534.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 09:16
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.273	3.245	3.332	BB	315771	2689719	90.55%	4.905%
2	4.338	4.280	4.395	BB	294003	2739294	92.22%	4.996%
3	5.915	5.859	6.007	BB	316368	2970304	100.00%	5.417%
4	6.353	6.290	6.419	BB	266243	2740471	92.26%	4.998%
5	6.970	6.922	7.065	BB	277705	2827262	95.18%	5.156%
6	8.145	8.084	8.217	BB	246013	2670635	89.91%	4.871%
7	9.742	9.684	9.815	BB	239073	2701718	90.96%	4.927%
8	11.181	11.144	11.250	BB	233911	2707873	91.16%	4.939%
9	11.493	11.432	11.550	BB	273291	2944944	99.15%	5.371%
10	12.489	12.422	12.550	BB	208881	2568750	86.48%	4.685%
11	12.931	12.870	12.992	BB	176001	2151054	72.42%	3.923%
12	13.100	13.035	13.160	BB	204620	2512784	84.60%	4.583%
13	13.685	13.622	13.754	BB	198174	2492215	83.90%	4.545%
14	14.786	14.727	14.849	BB	182353	2467252	83.06%	4.500%
15	15.805	15.734	15.875	BB	174360	2430324	81.82%	4.432%
16	16.753	16.675	16.832	BB	186414	2439421	82.13%	4.449%
17	17.638	17.569	17.702	BB	183558	2563605	86.31%	4.675%
18	18.470	18.350	18.535	BB	175922	2555141	86.02%	4.660%
19	19.252	19.182	19.317	BB	158377	2239051	75.38%	4.084%
20	19.990	19.939	20.032	BV	125735	1905425	64.15%	3.475%
21	20.711	20.584	20.782	BB	102158	1783816	60.06%	3.253%
22	21.595	21.504	21.734	BB	70780	1730404	58.26%	3.156%
			Sum of corrected areas:			54831460		

Aliphatic EPH 102324.M Tue Oct 29 04:59:01 2024

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

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067541.D**						
Aliphatic C16-C21	7857628.000	60.000	9.843	13.200	130960.467	127235.092	-2.928
Aliphatic C21-C28	9913509.000	80.000	13.201	16.853	123918.863	120090.398	-3.188
Aliphatic C28-C40	13005709.000	120.000	16.854	21.695	108380.908	101093.195	-7.209
Aliphatic EPH	44286148.000	360.000	3.173	21.695	123017.078	118799.912	-3.550
Aliphatic C9-C12	8119479.000	60.000	3.173	6.453	135324.650	135469.641	0.107
Aliphatic C12-C16	5389823.000	40.000	6.454	9.842	134745.575	131681.730	-2.327

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Oct 2024 13:55
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067541.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8119479.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5389823.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7857628.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9913509.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	13005709.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	44286148.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067541.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 13:55
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: sample.E
Quant Time: Oct 29 00:05:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.494	2958818	20.165 ug/ml
	Spiked Amount 50.000		Recovery = 40.33%	
12)	S 1-chlorooctadecane (S...	12.932	2195676	20.333 ug/ml
	Spiked Amount 50.000		Recovery = 40.67%	
	Target Compounds			
1)	T n-Nonane (C9)	3.274	2662070	19.760 ug/ml
2)	T n-Decane (C10)	4.339	2724543	19.997 ug/ml
3)	T A~Naphthalene (C11.7)	5.916	2956908	19.954 ug/ml
4)	T n-Dodecane (C12)	6.354	2732866	20.177 ug/ml
5)	T A~2-methylnaphthalene...	6.971	2834684	20.073 ug/ml
6)	T n-Tetradecane (C14)	8.146	2672494	20.360 ug/ml
7)	T n-Hexadecane (C16)	9.744	2717329	20.570 ug/ml
8)	T n-Octadecane (C18)	11.183	2728945	20.656 ug/ml
10)	T n-Eicosane (C20)	12.489	2591647	20.540 ug/ml
11)	T n-Heneicosane (C21)	13.101	2537036	20.557 ug/ml
13)	T n-Docosane (C22)	13.685	2512507	20.519 ug/ml
14)	T n-Tetracosane (C24)	14.786	2490102	20.544 ug/ml
15)	T n-Hexacosane (C26)	15.806	2457754	20.644 ug/ml
16)	T n-Octacosane (C28)	16.754	2453146	20.852 ug/ml
17)	T n-Tricontane (C30)	17.640	2588383	21.414 ug/ml
18)	T n-Dotriacontane (C32)	18.471	2582697	21.828 ug/ml
19)	T n-Tetratriacontane (C34)	19.252	2293073	21.896 ug/ml
20)	T n-Hexatriacontane (C36)	19.990	1966505	21.604 ug/ml
21)	T n-Octatriacontane (C38)	20.711	1823109	21.051 ug/mlm
22)	T n-Tetracontane (C40)	21.595	1751942	20.608 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067541.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 13:55
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

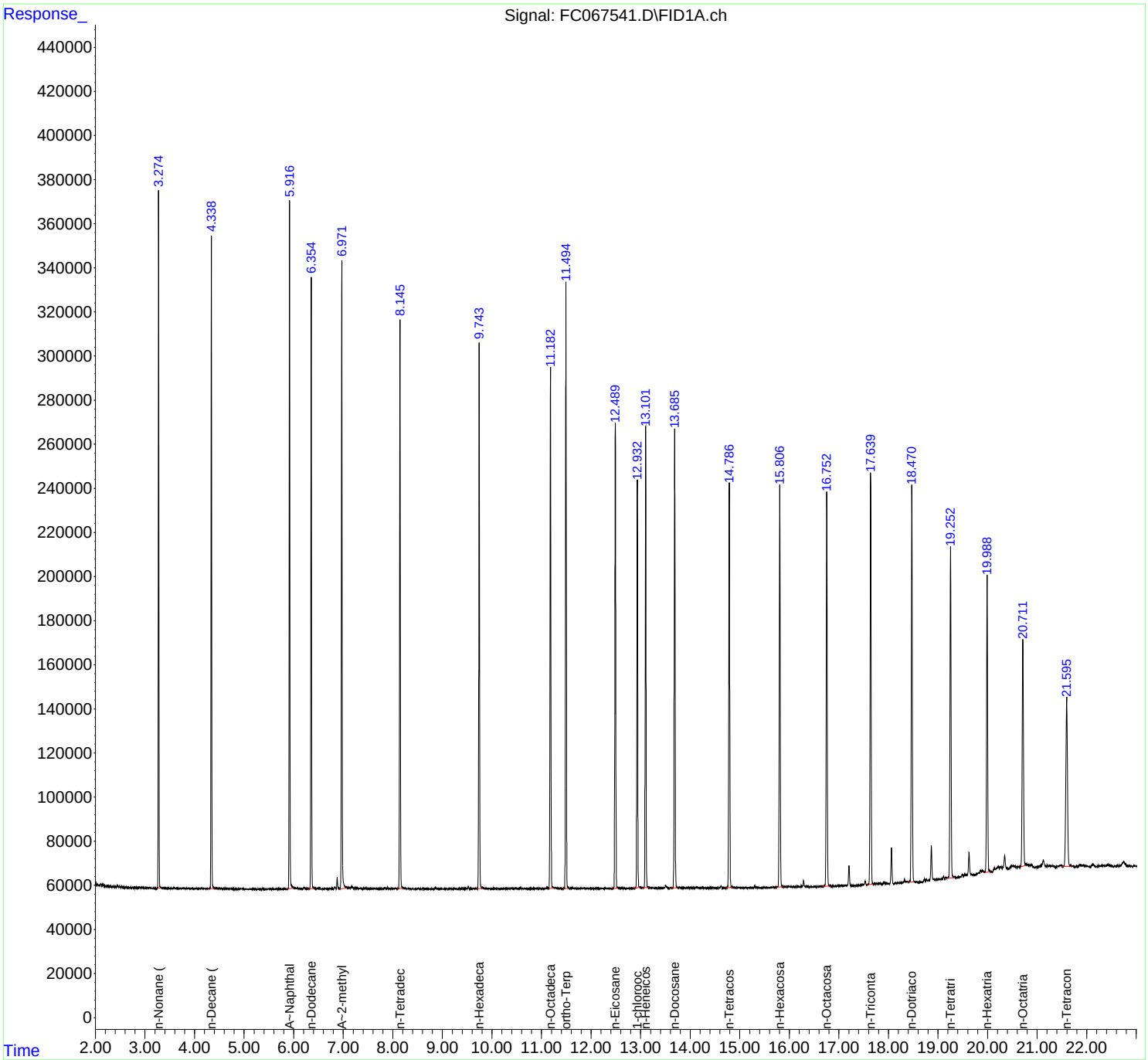
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: sample.E
Quant Time: Oct 29 00:05:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10282
Data File : FC067541.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 13:55
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.327	BB	317301	2662070	89.97%	4.818%
2	4.339	4.287	4.409	BB	295084	2724543	92.08%	4.931%
3	5.916	5.864	6.005	BB	310479	2956908	99.94%	5.352%
4	6.354	6.290	6.415	BB	277477	2732866	92.36%	4.946%
5	6.971	6.924	7.084	BB	282839	2834684	95.80%	5.131%
6	8.146	8.089	8.210	BB	257016	2672494	90.32%	4.837%
7	9.744	9.685	9.820	BB	247031	2717329	91.84%	4.918%
8	11.183	11.142	11.257	BB	236537	2728945	92.23%	4.939%
9	11.494	11.434	11.552	BB	272902	2958818	100.00%	5.355%
10	12.489	12.427	12.542	BB	209412	2591647	87.59%	4.691%
11	12.932	12.870	12.984	BB	182765	2195676	74.21%	3.974%
12	13.101	13.034	13.157	BB	208528	2537036	85.74%	4.592%
13	13.685	13.627	13.745	BB	206951	2512507	84.92%	4.548%
14	14.786	14.719	14.849	BB	183901	2490102	84.16%	4.507%
15	15.806	15.735	15.879	BB	182419	2457754	83.07%	4.448%
16	16.754	16.674	16.825	BB	177911	2453146	82.91%	4.440%
17	17.640	17.564	17.690	BB	184887	2588383	87.48%	4.685%
18	18.471	18.405	18.530	BB	179236	2582697	87.29%	4.675%
19	19.252	19.184	19.327	BB	150380	2293073	77.50%	4.150%
20	19.990	19.947	20.067	BB	131157	1966505	66.46%	3.559%
21	20.711	20.405	20.785	BB	101983	1840743	62.21%	3.332%
22	21.595	21.504	21.694	BB	76437	1751942	59.21%	3.171%
			Sum of corrected areas:			55249867		

Aliphatic EPH 102324.M Tue Oct 29 04:59:51 2024

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

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067552.D**						
Aliphatic C16-C21	7778385.000	60.000	9.843	13.200	129639.750	127235.092	-1.890
Aliphatic C21-C28	9854845.000	80.000	13.201	16.853	123185.563	120090.398	-2.577
Aliphatic C28-C40	13169327.000	120.000	16.854	21.695	109744.392	101093.195	-8.558
Aliphatic EPH	44364168.000	360.000	3.173	21.695	123233.800	118799.912	-3.732
Aliphatic C9-C12	8190095.000	60.000	3.173	6.453	136501.583	135469.641	-0.762
Aliphatic C12-C16	5371516.000	40.000	6.454	9.842	134287.900	131681.730	-1.979

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:	29 Oct 2024 08:54
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067552.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8190095.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5371516.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7778385.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9854845.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	13169327.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	44364168.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067552.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 08:54
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: sample.E
Quant Time: Oct 30 03:45:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.492	2947472	20.088 ug/ml
Spiked Amount	50.000		Recovery =	40.18%
12) S	1-chlorooctadecane (S...	12.930	2171406	20.108 ug/ml
Spiked Amount	50.000		Recovery =	40.22%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	2692591	19.986 ug/ml
2) T	n-Decane (C10)	4.339	2749171	20.178 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2979389	20.105 ug/ml
4) T	n-Dodecane (C12)	6.353	2748333	20.292 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2835238	20.077 ug/ml
6) T	n-Tetradecane (C14)	8.145	2668899	20.333 ug/ml
7) T	n-Hexadecane (C16)	9.742	2702617	20.458 ug/ml
8) T	n-Octadecane (C18)	11.181	2703166	20.461 ug/ml
10) T	n-Eicosane (C20)	12.488	2567774	20.350 ug/ml
11) T	n-Heneicosane (C21)	13.099	2507445	20.317 ug/ml
13) T	n-Docosane (C22)	13.683	2486675	20.308 ug/ml
14) T	n-Tetracosane (C24)	14.785	2469414	20.373 ug/ml
15) T	n-Hexacosane (C26)	15.804	2438933	20.486 ug/ml
16) T	n-Octacosane (C28)	16.752	2459823	20.908 ug/ml
17) T	n-Tricontane (C30)	17.638	2614383	21.629 ug/ml
18) T	n-Dotriacontane (C32)	18.469	2626446	22.198 ug/ml
19) T	n-Tetratriacontane (C34)	19.250	2337290	22.318 ug/ml
20) T	n-Hexatriacontane (C36)	19.989	1992304	21.887 ug/ml
21) T	n-Octatriacontane (C38)	20.709	1835427	21.194 ug/ml
22) T	n-Tetracontane (C40)	21.592	1763477	20.744 ug/ml

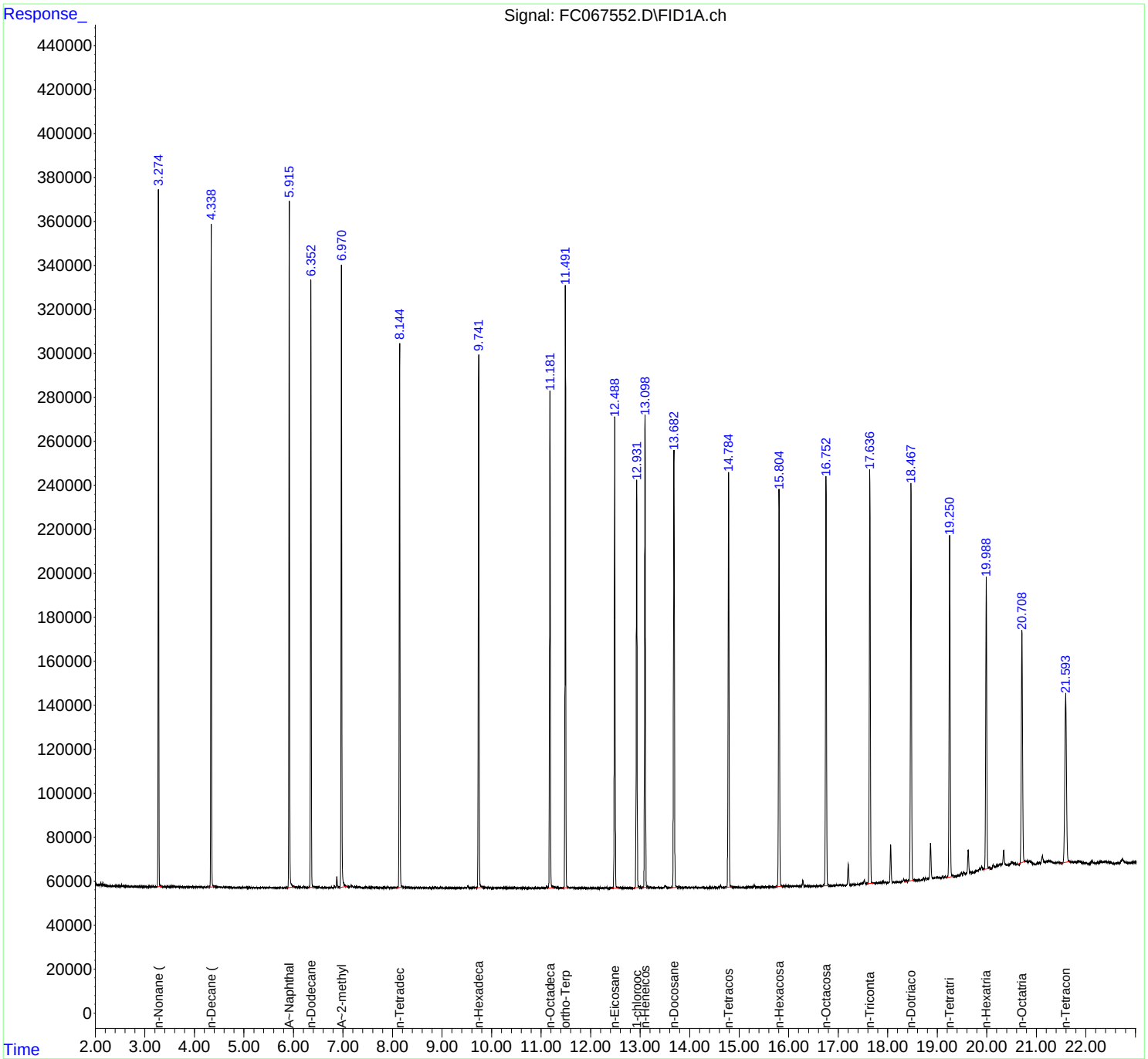
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067552.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 08:54
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: sample.E
Quant Time: Oct 30 03:45:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067552.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 08:54
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.329	BB	317267	2692591	90.37%	4.869%
2	4.339	4.277	4.410	BB	301144	2749171	92.27%	4.972%
3	5.915	5.864	6.012	BB	312339	2979389	100.00%	5.388%
4	6.353	6.299	6.417	BB	273843	2748333	92.24%	4.970%
5	6.970	6.922	7.070	BB	282935	2835238	95.16%	5.127%
6	8.145	8.079	8.210	BB	242910	2668899	89.58%	4.826%
7	9.742	9.685	9.822	BB	242111	2702617	90.71%	4.887%
8	11.181	11.142	11.255	BB	225649	2703166	90.73%	4.888%
9	11.492	11.434	11.545	BB	272128	2947472	98.93%	5.330%
10	12.488	12.424	12.552	BB	212777	2567774	86.18%	4.644%
11	12.930	12.864	12.989	BB	185240	2171406	72.88%	3.927%
12	13.099	13.034	13.154	BB	215195	2507445	84.16%	4.534%
13	13.683	13.617	13.749	BB	197602	2486675	83.46%	4.497%
14	14.785	14.719	14.855	BB	186485	2469414	82.88%	4.466%
15	15.804	15.739	15.867	BB	180077	2438933	81.86%	4.411%
16	16.752	16.677	16.817	BB	186305	2459823	82.56%	4.448%
17	17.638	17.579	17.712	BB	185498	2614383	87.75%	4.728%
18	18.469	18.344	18.534	VB	179659	2626446	88.15%	4.750%
19	19.250	19.185	19.329	BB	155559	2337290	78.45%	4.227%
20	19.989	19.937	20.069	BB	132484	1992304	66.87%	3.603%
21	20.709	20.622	20.784	BB	105779	1835427	61.60%	3.319%
22	21.592	21.502	21.680	BB	76978	1763477	59.19%	3.189%
			Sum of corrected areas:			55297671		

Aliphatic EPH 102324.M Wed Oct 30 04:07:42 2024

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

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067561.D**						
Aliphatic C16-C21	7784943.000	60.000	9.843	13.200	129749.050	127235.092	-1.976
Aliphatic C21-C28	9891372.000	80.000	13.201	16.853	123642.150	120090.398	-2.958
Aliphatic C28-C40	13200046.000	120.000	16.854	21.695	110000.383	101093.195	-8.811
Aliphatic EPH	44290968.000	360.000	3.173	21.695	123030.467	118799.912	-3.561
Aliphatic C9-C12	8074954.000	60.000	3.173	6.453	134582.567	135469.641	0.655
Aliphatic C12-C16	5339653.000	40.000	6.454	9.842	133491.325	131681.730	-1.374

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:	29 Oct 2024 14:27
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067561.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8074954.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5339653.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7784943.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9891372.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	13200046.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	44290968.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067561.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 14:27
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: sample.E
Quant Time: Oct 30 03:48:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.493	2946827	20.083 ug/ml
	Spiked Amount 50.000		Recovery = 40.17%	
12)	S 1-chlorooctadecane (S...	12.930	2184842	20.232 ug/ml
	Spiked Amount 50.000		Recovery = 40.46%	
	Target Compounds			
1)	T n-Nonane (C9)	3.274	2653122	19.694 ug/ml
2)	T n-Decane (C10)	4.338	2707202	19.870 ug/ml
3)	T A~Naphthalene (C11.7)	5.916	2946368	19.883 ug/ml
4)	T n-Dodecane (C12)	6.353	2714630	20.043 ug/ml
5)	T A~2-methylnaphthalene...	6.970	2817541	19.951 ug/ml
6)	T n-Tetradecane (C14)	8.145	2649858	20.188 ug/ml
7)	T n-Hexadecane (C16)	9.743	2689795	20.361 ug/ml
8)	T n-Octadecane (C18)	11.183	2699938	20.437 ug/ml
10)	T n-Eicosane (C20)	12.488	2567814	20.351 ug/ml
11)	T n-Heneicosane (C21)	13.099	2517191	20.396 ug/ml
13)	T n-Docosane (C22)	13.684	2496387	20.387 ug/ml
14)	T n-Tetracosane (C24)	14.785	2476663	20.433 ug/ml
15)	T n-Hexacosane (C26)	15.804	2446020	20.545 ug/ml
16)	T n-Octacosane (C28)	16.752	2472302	21.015 ug/ml
17)	T n-Tricontane (C30)	17.638	2625060	21.718 ug/ml
18)	T n-Dotriacontane (C32)	18.469	2627908	22.210 ug/ml
19)	T n-Tetratriacontane (C34)	19.250	2319241	22.145 ug/ml
20)	T n-Hexatriacontane (C36)	19.988	1988998	21.851 ug/ml
21)	T n-Octatriacontane (C38)	20.709	1853681	21.405 ug/ml
22)	T n-Tetracontane (C40)	21.592	1785158	20.999 ug/ml

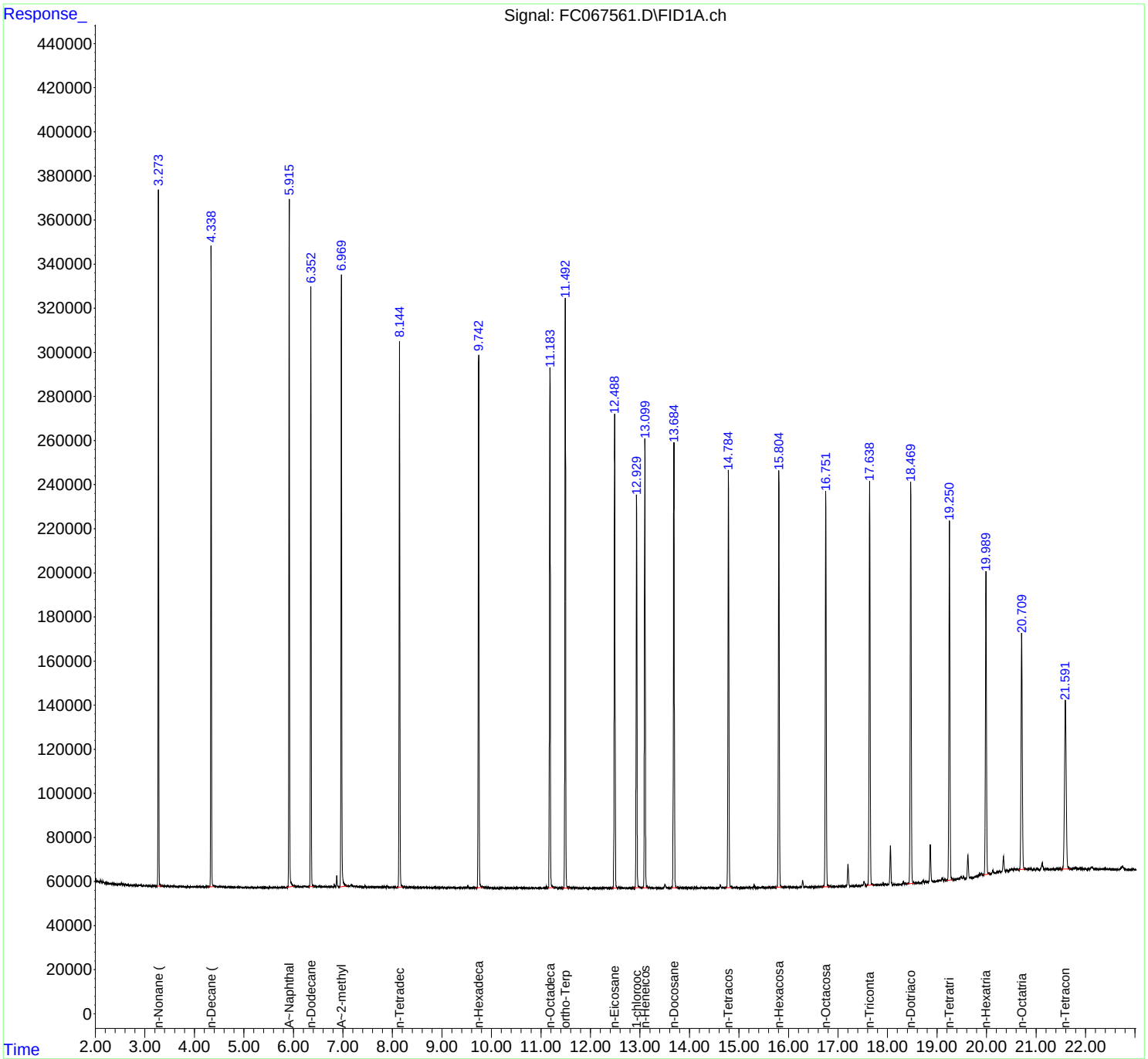
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067561.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 14:27
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: sample.E
Quant Time: Oct 30 03:48:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067561.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2024 14:27
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.330	BB	316423	2653122	90.03%	4.808%
2	4.338	4.280	4.405	BB	289851	2707202	91.87%	4.906%
3	5.916	5.864	6.017	BB	311608	2946368	99.98%	5.339%
4	6.353	6.300	6.414	BB	270600	2714630	92.12%	4.919%
5	6.970	6.922	7.080	BB	276552	2817541	95.61%	5.105%
6	8.145	8.080	8.215	BB	246393	2649858	89.92%	4.802%
7	9.743	9.685	9.825	BB	240881	2689795	91.28%	4.874%
8	11.183	11.137	11.264	BB	231884	2699938	91.62%	4.892%
9	11.493	11.425	11.559	BB	267467	2946827	100.00%	5.340%
10	12.488	12.427	12.550	BB	214686	2567814	87.14%	4.653%
11	12.930	12.862	12.995	BB	176893	2184842	74.14%	3.959%
12	13.099	13.037	13.165	BB	202633	2517191	85.42%	4.561%
13	13.684	13.622	13.752	BB	198733	2496387	84.71%	4.524%
14	14.785	14.724	14.852	BB	186555	2476663	84.05%	4.488%
15	15.804	15.737	15.872	BB	188959	2446020	83.01%	4.432%
16	16.752	16.672	16.827	BB	178748	2472302	83.90%	4.480%
17	17.638	17.575	17.702	BB	183507	2625060	89.08%	4.757%
18	18.469	18.394	18.540	BB	181390	2627908	89.18%	4.762%
19	19.250	19.195	19.315	BB	162941	2319241	78.70%	4.203%
20	19.988	19.927	20.059	BB	137838	1988998	67.50%	3.604%
21	20.709	20.639	20.785	BB	106927	1853681	62.90%	3.359%
22	21.592	21.505	21.689	BB	75739	1785158	60.58%	3.235%
			Sum of corrected areas:			55186545		

Aliphatic EPH 102324.M Wed Oct 30 04:18:56 2024

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

Continuing Calibration Report for SequenceID : FD102524AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048587.D**						
Aromatic C10-C12	7311656.000	40.000	4.094	5.812	182791.400	176202.694	-3.739
Aromatic C12-C16	11049841.000	60.000	5.813	8.418	184164.017	177273.493	-3.887
Aromatic C16-C21	13535485.000	80.000	8.419	12.680	169193.563	163832.550	-3.272
Aromatic C21-C36	28201866.000	180.000	12.681	18.085	156677.033	152713.153	-2.596
Aromatic EPH	60098848.000	360.000	4.094	18.085	166941.244	161887.469	-3.122

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:	25 Oct 2024 13:29
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048587.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	7311656.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.418	11049841.000	60.000	ug/ml
Aromatic C16-C21	8.419	12.680	13535485.000	80.000	ug/ml
Aromatic C21-C36	12.681	18.085	28201866.000	180.000	ug/ml
Aromatic EPH	4.094	18.085	60098848.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048587.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 13:29
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:01:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.371	3162638	20.837 ug/ml
Spiked Amount	50.000		Recovery =	41.67%
6) S	2-Flurobiphenyl (SURR)	8.222	2058237	20.961 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	41.92%
11) S	ortho-Terphenyl (SURR)	11.255	3539004	20.776 ug/mlm
Spiked Amount	50.000		Recovery =	41.55%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.194	3588368	20.626 ug/ml
2) T	Naphthalene (C11.7)	5.712	3723288	20.866 ug/mlm
3) T	2-Methylnaphthalene (...	6.759	3725583	20.829 ug/ml
5) T	Acenaphthylene (C15.06)	8.024	3638259	20.720 ug/ml
7) T	Acenaphthene (C15.5)	8.318	3685999	20.782 ug/ml
8) T	Flouorene (C16.55)	9.097	3551453	21.010 ug/ml
9) T	Phenanthrene (C19.36)	10.484	3446351	20.848 ug/ml
10) T	Anthracene (C19.43)	10.559	3195939	19.986 ug/ml
12) T	Fluoranthene (C21.85)	12.287	3395997	20.635 ug/ml
13) T	Pyrene (C20.8)	12.580	3341742	20.746 ug/ml
14) T	Benzo[a]anthracene (C...	14.449	3026593	20.700 ug/ml
15) T	Chrysene (C27.41)	14.490	3365505	20.460 ug/ml
16) T	benzo[b]fluoranthene ...	15.996	3122156	20.537 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.027	3077180	20.473 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.371	3093881	20.558 ug/mlm
19) T	Indeno[1,2,3-cd]pyren...	17.735	2638719	20.223 ug/ml
20) T	Dibenz[a,h]anthracene...	17.774	3420715	21.020 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.985	3061120	19.995 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048587.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 13:29
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

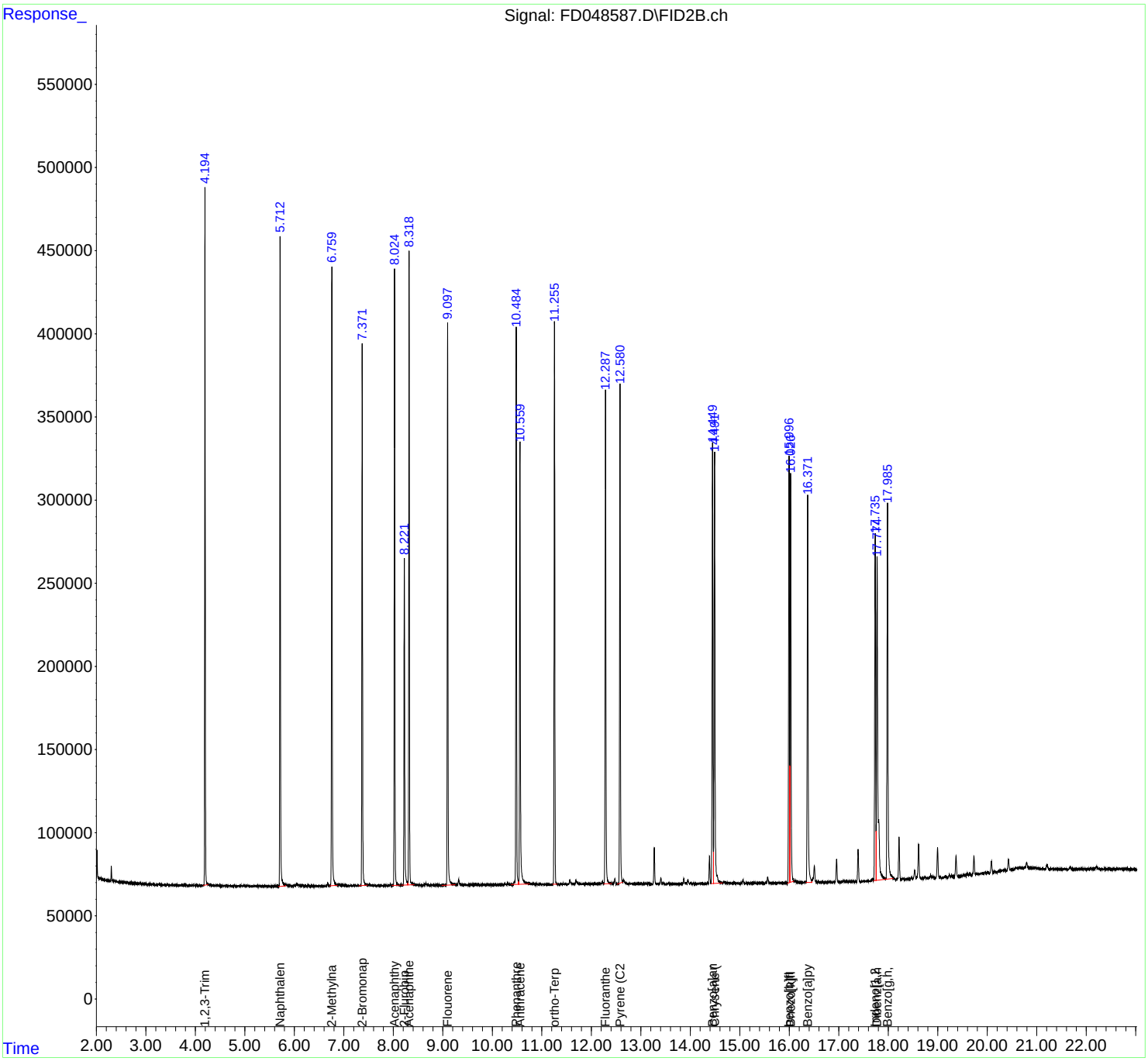
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:01:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10252
Data File : FD048587.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 13:29
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.194	4.161	4.255	BV	417024	3588368	96.32%	5.214%
2	5.712	5.434	5.844	BB	389295	3671621	98.55%	5.335%
3	6.759	6.711	6.874	BV	371446	3725583	100.00%	5.414%
4	7.371	7.301	7.484	BB	325789	3162638	84.89%	4.596%
5	8.024	7.971	8.138	BB	371011	3638259	97.66%	5.287%
6	8.222	8.164	8.291	BV	195936	2058237	55.25%	2.991%
7	8.318	8.291	8.424	VB	379385	3685999	98.94%	5.356%
8	9.097	8.984	9.254	BB	338530	3551453	95.33%	5.161%
9	10.484	10.378	10.530	BV	334980	3446351	92.51%	5.008%
10	10.559	10.530	10.754	VB	264694	3195939	85.78%	4.644%
11	11.256	11.068	11.348	BB	336600	3553525	95.38%	5.164%
12	12.287	12.251	12.411	PB	298274	3395997	91.15%	4.935%
13	12.580	12.524	12.634	BV	302142	3341742	89.70%	4.856%
14	14.449	14.417	14.469	PV	264083	3026593	81.24%	4.398%
15	14.490	14.469	14.658	VB	259816	3365505	90.33%	4.891%
16	15.996	15.961	16.011	BV	254908	3122156	83.80%	4.537%
17	16.027	16.011	16.098	VV	245416	3077180	82.60%	4.472%
18	16.372	16.178	16.454	BV	232282	3089054	82.91%	4.489%
19	17.735	17.701	17.754	BV	207760	2638719	70.83%	3.834%
20	17.774	17.754	17.951	VV	194239	3420715	91.82%	4.971%
21	17.985	17.951	18.099	VV	224689	3061120	82.16%	4.448%
			Sum of corrected areas:			68816753		

Aromatic EPH 102324.M Sat Oct 26 01:26:49 2024

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

Continuing Calibration Report for SequenceID : FD102524AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048594.D**						
Aromatic C10-C12	7580409.000	40.000	4.094	5.812	189510.225	176202.694	-7.552
Aromatic C12-C16	11427061.000	60.000	5.813	8.418	190451.017	177273.493	-7.433
Aromatic C16-C21	13923239.000	80.000	8.419	12.680	174040.488	163832.550	-6.231
Aromatic C21-C36	28939237.000	180.000	12.681	18.085	160773.539	152713.153	-5.278
Aromatic EPH	61869946.000	360.000	4.094	18.085	171860.961	161887.469	-6.161

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:	25 Oct 2024 19:54
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048594.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	7580409.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.418	11427061.000	60.000	ug/ml
Aromatic C16-C21	8.419	12.680	13923239.000	80.000	ug/ml
Aromatic C21-C36	12.681	18.085	28939237.000	180.000	ug/ml
Aromatic EPH	4.094	18.085	61869946.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048594.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 19:54
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:02:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	3273157	21.565 ug/ml
Spiked Amount	50.000		Recovery =	43.13%
6) S	2-Flurobiphenyl (SURR)	8.221	2150519	21.901 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	43.80%
11) S	ortho-Terphenyl (SURR)	11.257	3642704	21.385 ug/ml
Spiked Amount	50.000		Recovery =	42.77%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	3723623	21.404 ug/ml
2) T	Naphthalene (C11.7)	5.713	3856786	21.615 ug/ml
3) T	2-Methylnaphthalene (...	6.759	3860350	21.582 ug/ml
5) T	Acenaphthylene (C15.06)	8.024	3772893	21.487 ug/ml
7) T	Acenaphthene (C15.5)	8.318	3793818	21.390 ug/ml
8) T	Flouorene (C16.55)	9.096	3655602	21.626 ug/ml
9) T	Phenanthrene (C19.36)	10.484	3558937	21.529 ug/ml
10) T	Anthracene (C19.43)	10.559	3275923	20.486 ug/ml
12) T	Fluoranthene (C21.85)	12.287	3492497	21.221 ug/ml
13) T	Pyrene (C20.8)	12.580	3432777	21.311 ug/ml
14) T	Benzo[a]anthracene (C...	14.449	3148242	21.532 ug/ml
15) T	Chrysene (C27.41)	14.491	3440586	20.916 ug/ml
16) T	benzo[b]fluoranthene ...	15.997	3200914	21.055 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.028	3152797	20.976 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.373	3174942	21.097 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	2790562	21.387 ug/ml
20) T	Dibenz[a,h]anthracene...	17.776	3460465	21.264 ug/mlm
21) T	Benzo[g,h,i]perylene ...	17.986	3078232	20.107 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
Data File : FD048594.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 19:54
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

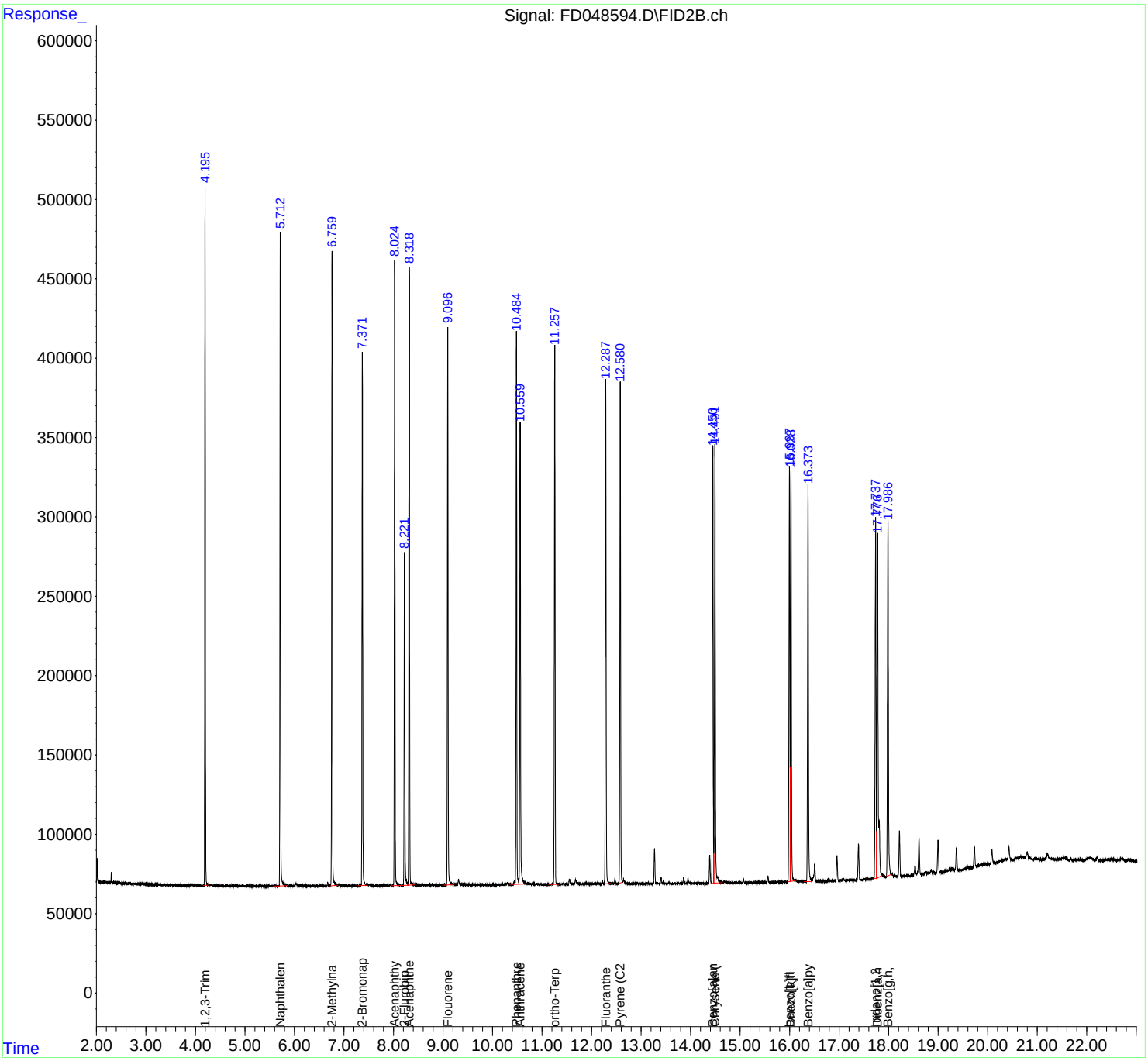
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
Quant Time: Oct 26 01:02:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10252
Data File : FD048594.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 19:54
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.195	4.161	4.257	BV	437414	3723623	96.46%	5.285%
2	5.713	5.578	5.868	BB	406614	3856786	99.91%	5.474%
3	6.759	6.718	6.878	PV	394775	3860350	100.00%	5.479%
4	7.372	7.291	7.469	BB	336167	3273157	84.79%	4.645%
5	8.024	7.968	8.154	BB	395182	3772893	97.73%	5.355%
6	8.221	8.164	8.288	BV	209409	2150519	55.71%	3.052%
7	8.318	8.288	8.428	VB	389662	3793818	98.28%	5.384%
8	9.096	9.014	9.221	BB	353346	3655602	94.70%	5.188%
9	10.484	10.361	10.530	BV	348668	3558937	92.19%	5.051%
10	10.559	10.530	10.724	VB	288615	3275923	84.86%	4.649%
11	11.257	11.131	11.334	BB	340476	3642704	94.36%	5.170%
12	12.287	12.246	12.374	PV	318148	3492497	90.47%	4.957%
13	12.580	12.531	12.628	BV	316719	3432777	88.92%	4.872%
14	14.449	14.416	14.469	PV	278372	3148242	81.55%	4.468%
15	14.491	14.469	14.638	VB	275183	3440586	89.13%	4.883%
16	15.997	15.961	16.012	BV	262097	3200914	82.92%	4.543%
17	16.028	16.012	16.099	VV	260767	3152797	81.67%	4.475%
18	16.373	16.294	16.450	BV	249825	3174942	82.24%	4.506%
19	17.737	17.701	17.755	BV	229345	2790562	72.29%	3.960%
20	17.776	17.755	17.801	VV	215345	2984962	77.32%	4.236%
21	17.986	17.944	18.057	BV	226200	3078232	79.74%	4.369%
			Sum of corrected areas:			70460822		

Aromatic EPH 102324.M Sat Oct 26 01:28:46 2024

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

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048597.D**						
Aromatic C10-C12	6478652.000	40.000	4.094	5.812	161966.300	176202.694	8.080
Aromatic C12-C16	9681948.000	60.000	5.813	8.417	161365.800	177273.493	8.974
Aromatic C16-C21	11930066.000	80.000	8.418	12.677	149125.825	163832.550	8.977
Aromatic C21-C36	25141839.000	180.000	12.678	18.081	139676.883	152713.153	8.536
Aromatic EPH	53232505.000	360.000	4.094	18.081	147868.069	161887.469	8.660

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Oct 2024 09:53
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048597.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6478652.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	9681948.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	11930066.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25141839.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	53232505.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048597.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 09:53
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 29 00:21:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.371	2750069	18.119 ug/ml
Spiked Amount	50.000		Recovery =	36.24%
6)	S 2-Flurobiphenyl (SURR)	8.221	1804963	18.382 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	36.76%
11)	S ortho-Terphenyl (SURR)	11.254	3100863	18.204 ug/ml
Spiked Amount	50.000		Recovery =	36.41%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.194	3204368	18.419 ug/ml
2)	T Naphthalene (C11.7)	5.712	3274284	18.350 ug/ml
3)	T 2-Methylnaphthalene (...	6.758	3257858	18.214 ug/ml
5)	T Acenaphthylene (C15.06)	8.023	3196472	18.204 ug/ml
7)	T Acenaphthene (C15.5)	8.317	3227618	18.198 ug/ml
8)	T Flouorene (C16.55)	9.095	3089442	18.277 ug/ml
9)	T Phenanthrene (C19.36)	10.481	3004248	18.174 ug/ml
10)	T Anthracene (C19.43)	10.557	2892176	18.086 ug/ml
12)	T Fluoranthene (C21.85)	12.284	3009589	18.287 ug/ml
13)	T Pyrene (C20.8)	12.577	2944200	18.278 ug/ml
14)	T Benzo[a]anthracene (C...	14.446	2701480	18.476 ug/ml
15)	T Chrysene (C27.41)	14.487	2944379	17.900 ug/ml
16)	T benzo[b]fluoranthene ...	15.992	2831272	18.623 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.023	2767878	18.415 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.368	2793340	18.561 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.732	2382399	18.259 ug/ml
20)	T Dibenz[a,h]anthracene...	17.771	2890047	17.759 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.981	2821455	18.430 ug/ml

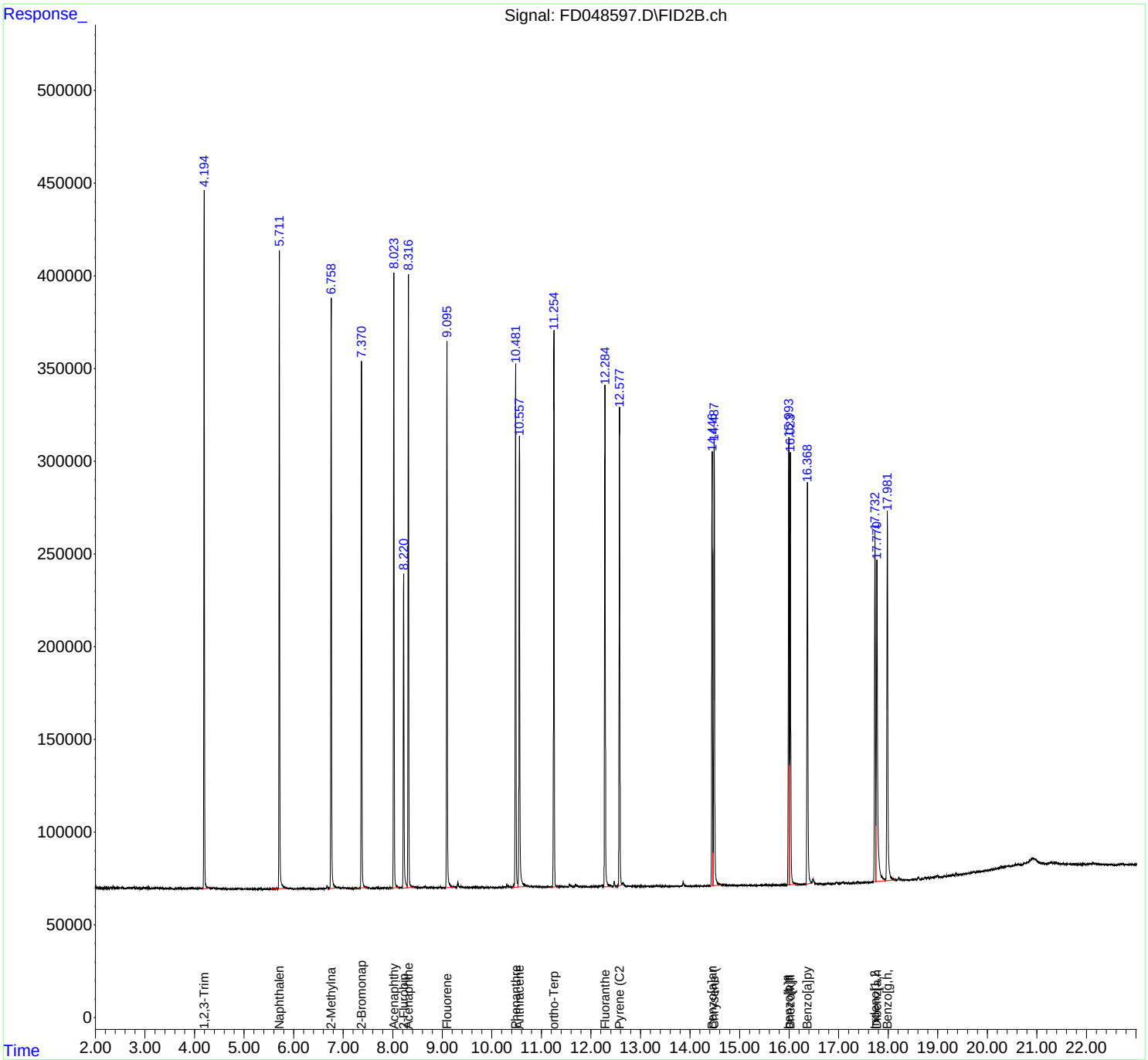
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048597.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 09:53
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 29 00:21:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048597.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 09:53
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.194	4.164	4.291	BB	374431	3204368	97.86%	5.263%
2	5.712	5.544	5.854	BB	343138	3274284	100.00%	5.378%
3	6.758	6.718	6.881	BV	317166	3257858	99.50%	5.351%
4	7.371	7.221	7.471	BB	283242	2750069	83.99%	4.517%
5	8.023	7.958	8.124	PB	331189	3196472	97.62%	5.250%
6	8.221	8.194	8.291	BV	168790	1804963	55.13%	2.964%
7	8.317	8.291	8.428	VB	329212	3227618	98.57%	5.301%
8	9.095	9.064	9.238	BB	293531	3089442	94.35%	5.074%
9	10.481	10.414	10.527	BV	281587	3004248	91.75%	4.934%
10	10.557	10.527	10.724	VB	243370	2892176	88.33%	4.750%
11	11.254	11.174	11.338	BB	300043	3100863	94.70%	5.093%
12	12.284	12.249	12.431	PB	270893	3009589	91.92%	4.943%
13	12.577	12.531	12.627	PV	258244	2944200	89.92%	4.835%
14	14.446	14.411	14.466	BV	234836	2701480	82.51%	4.437%
15	14.487	14.466	14.628	VB	240102	2944379	89.92%	4.836%
16	15.992	15.961	16.007	BV	237684	2831272	86.47%	4.650%
17	16.023	16.007	16.158	VB	235041	2767878	84.53%	4.546%
18	16.368	16.324	16.458	BV	216126	2793340	85.31%	4.588%
19	17.732	17.701	17.750	BV	187098	2382399	72.76%	3.913%
20	17.771	17.750	17.945	VV	172722	2890047	88.26%	4.746%
21	17.981	17.945	18.148	VB	199379	2821455	86.17%	4.634%

Sum of corrected areas: 60888399

Aromatic EPH 102324.M Tue Oct 29 05:17:02 2024

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

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048602.D**						
Aromatic C10-C12	6734968.000	40.000	4.094	5.812	168374.200	176202.694	4.443
Aromatic C12-C16	10158777.000	60.000	5.813	8.417	169312.950	177273.493	4.491
Aromatic C16-C21	12462820.000	80.000	8.418	12.677	155785.250	163832.550	4.912
Aromatic C21-C36	25673678.000	180.000	12.678	18.081	142631.544	152713.153	6.602
Aromatic EPH	55030243.000	360.000	4.094	18.081	152861.786	161887.469	5.575

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Oct 2024 13:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048602.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6734968.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	10158777.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	12462820.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25673678.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	55030243.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048602.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 13:17
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.370	2925007	19.272 ug/mlm
Spiked Amount	50.000		Recovery =	38.54%
6) S	2-Flurobiphenyl (SURR)	8.221	1888357	19.231 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	38.46%
11) S	ortho-Terphenyl (SURR)	11.254	3233046	18.980 ug/ml
Spiked Amount	50.000		Recovery =	37.96%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.194	3325024	19.112 ug/ml
2) T	Naphthalene (C11.7)	5.712	3409944	19.110 ug/ml
3) T	2-Methylnaphthalene (...	6.757	3429960	19.176 ug/ml
5) T	Acenaphthylene (C15.06)	8.023	3346159	19.056 ug/ml
7) T	Acenaphthene (C15.5)	8.317	3382658	19.072 ug/ml
8) T	Flouorene (C16.55)	9.095	3249197	19.222 ug/mlm
9) T	Phenanthrene (C19.36)	10.482	3142471	19.010 ug/ml
10) T	Anthracene (C19.43)	10.557	3028028	18.936 ug/ml
12) T	Fluoranthene (C21.85)	12.285	3103818	18.859 ug/ml
13) T	Pyrene (C20.8)	12.578	3043124	18.892 ug/ml
14) T	Benzo[a]anthracene (C...	14.447	2767476	18.927 ug/ml
15) T	Chrysene (C27.41)	14.488	3026890	18.401 ug/ml
16) T	benzo[b]fluoranthene ...	15.993	2875532	18.914 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.024	2823029	18.782 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.368	2810095	18.672 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.731	2412922	18.493 ug/ml
20) T	Dibenz[a,h]anthracene...	17.771	2974886	18.281 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.982	2879030	18.806 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048602.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 13:17
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

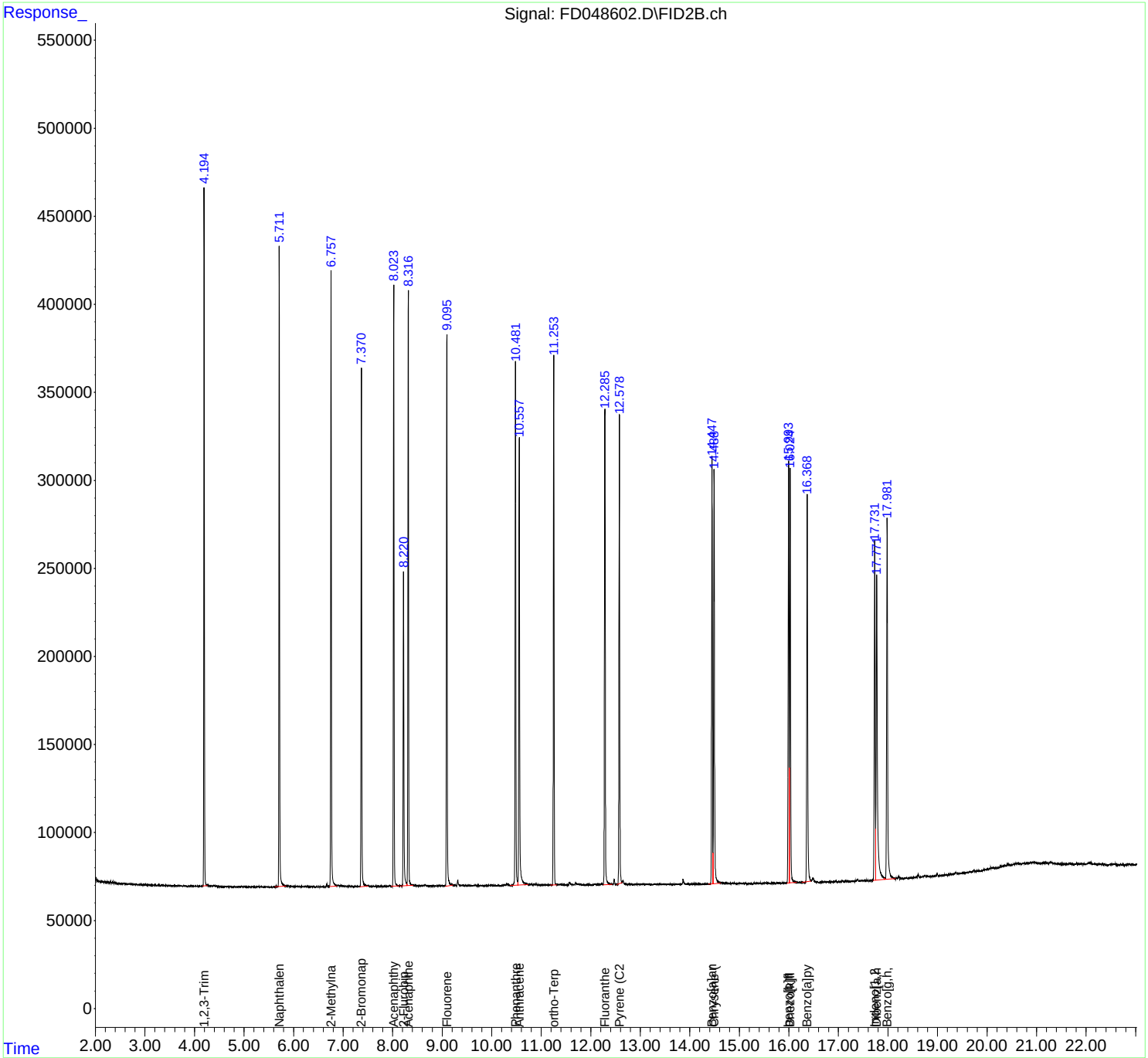
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
LabSampleId :
20 PPM AROMATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048602.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 13:17
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.194	4.161	4.257	BV	395427	3325024	96.94%	5.274%
2	5.712	5.618	5.845	BB	363459	3409944	99.42%	5.409%
3	6.757	6.721	6.881	BV	348590	3429960	100.00%	5.441%
4	7.370	7.171	7.498	BB	294014	2903989	84.67%	4.606%
5	8.023	7.965	8.138	BB	340900	3346159	97.56%	5.308%
6	8.221	8.158	8.287	BV	178209	1888357	55.05%	2.995%
7	8.317	8.287	8.421	VB	340358	3382658	98.62%	5.366%
8	9.095	8.845	9.235	BB	312330	3235080	94.32%	5.132%
9	10.482	10.371	10.528	BV	297120	3142471	91.62%	4.985%
10	10.557	10.528	10.735	VB	253802	3028028	88.28%	4.803%
11	11.254	11.181	11.318	BV	301489	3233046	94.26%	5.128%
12	12.285	12.255	12.435	BB	269062	3103818	90.49%	4.923%
13	12.578	12.525	12.631	BV	265945	3043124	88.72%	4.827%
14	14.447	14.371	14.466	BV	244087	2767476	80.69%	4.390%
15	14.488	14.466	14.628	VB	235083	3026890	88.25%	4.801%
16	15.993	15.961	16.008	BV	241955	2875532	83.84%	4.561%
17	16.024	16.008	16.161	VB	236537	2823029	82.31%	4.478%
18	16.368	16.265	16.448	BV	219145	2810095	81.93%	4.458%
19	17.731	17.701	17.751	BV	192681	2412922	70.35%	3.828%
20	17.771	17.751	17.931	VV	172445	2974886	86.73%	4.719%
21	17.982	17.931	18.155	VV	204462	2879030	83.94%	4.567%
			Sum of corrected areas:			63041520		

Aromatic EPH 102324.M Tue Oct 29 05:17:33 2024

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

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048614.D**						
Aromatic C10-C12	6535868.000	40.000	4.094	5.812	163396.700	176202.694	7.268
Aromatic C12-C16	9728504.000	60.000	5.813	8.417	162141.733	177273.493	8.536
Aromatic C16-C21	11847029.000	80.000	8.418	12.677	148087.863	163832.550	9.610
Aromatic C21-C36	25259345.000	180.000	12.678	18.081	140329.694	152713.153	8.109
Aromatic EPH	53370746.000	360.000	4.094	18.081	148252.072	161887.469	8.423

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	29 Oct 2024 08:54
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048614.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6535868.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	9728504.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	11847029.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25259345.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	53370746.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048614.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 08:54
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 30 02:39:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.371	2783009	18.336 ug/ml
Spiked Amount	50.000		Recovery =	36.67%
6) S	2-Flurobiphenyl (SURR)	8.220	1811249	18.446 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	36.89%
11) S	ortho-Terphenyl (SURR)	11.255	3076642	18.062 ug/ml
Spiked Amount	50.000		Recovery =	36.12%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.194	3220349	18.511 ug/ml
2) T	Naphthalene (C11.7)	5.711	3315519	18.581 ug/ml
3) T	2-Methylnaphthalene (...	6.758	3293962	18.416 ug/ml
5) T	Acenaphthylene (C15.06)	8.023	3202755	18.240 ug/ml
7) T	Acenaphthene (C15.5)	8.317	3231787	18.221 ug/ml
8) T	Flouorene (C16.55)	9.095	3087206	18.264 ug/ml
9) T	Phenanthrene (C19.36)	10.482	2989978	18.088 ug/ml
10) T	Anthracene (C19.43)	10.557	2851757	17.833 ug/ml
12) T	Fluoranthene (C21.85)	12.285	2975015	18.077 ug/ml
13) T	Pyrene (C20.8)	12.578	2918088	18.116 ug/ml
14) T	Benzo[a]anthracene (C...	14.445	2689707	18.396 ug/ml
15) T	Chrysene (C27.41)	14.487	2954164	17.959 ug/ml
16) T	benzo[b]fluoranthene ...	15.993	2830811	18.620 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.024	2756243	18.338 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.368	2798622	18.596 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.731	2432714	18.645 ug/ml
20) T	Dibenz[a,h]anthracene...	17.771	2948384	18.118 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.982	2873685	18.771 ug/ml

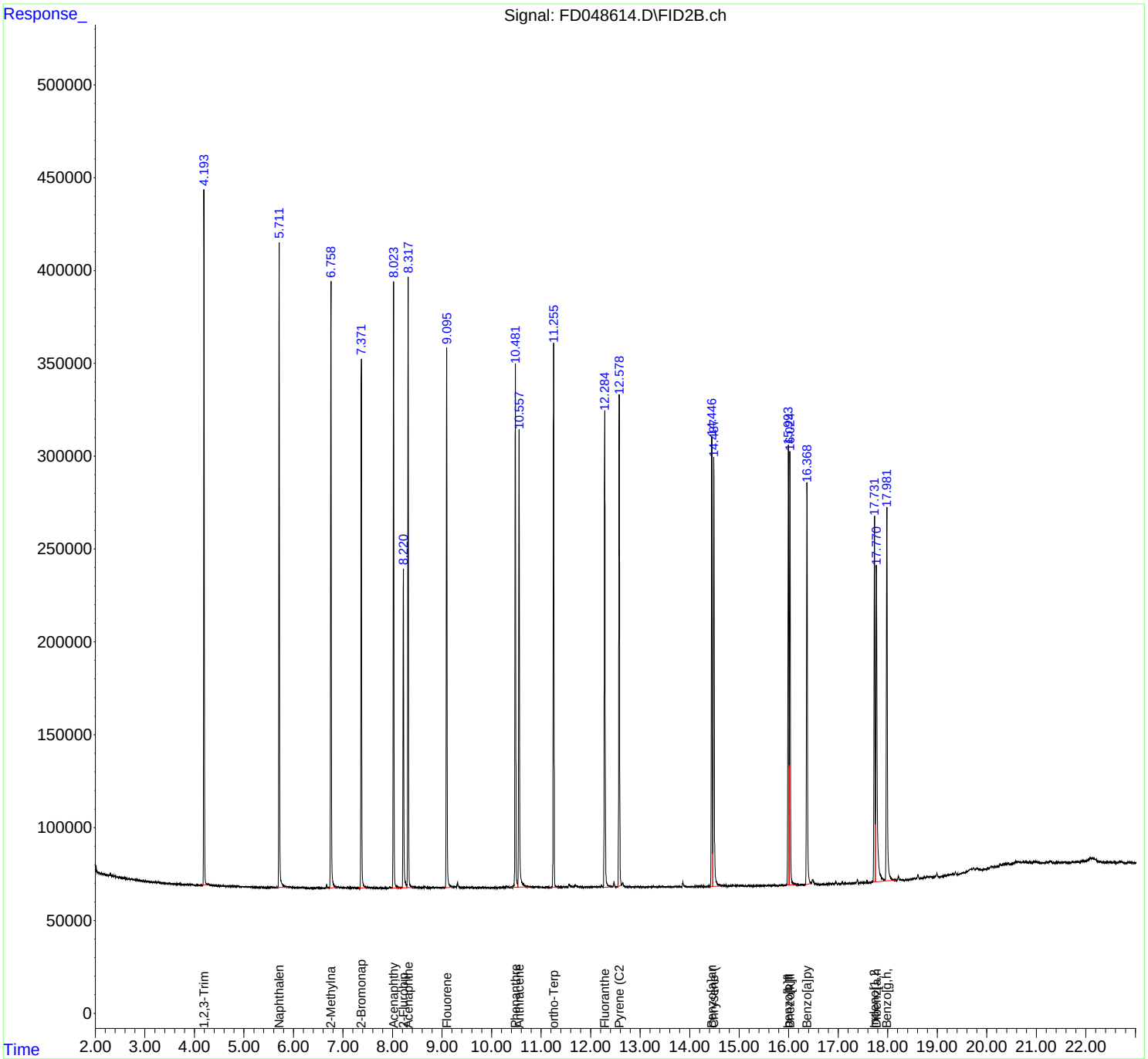
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048614.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 08:54
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 30 02:39:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048614.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 08:54
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.194	4.161	4.257	BV	369989	3220349	97.13%	5.276%
2	5.711	5.645	5.888	BB	346236	3315519	100.00%	5.432%
3	6.758	6.725	6.878	PV	326628	3293962	99.35%	5.396%
4	7.371	7.315	7.478	BB	284936	2783009	83.94%	4.559%
5	8.023	7.993	8.128	PV	325125	3202755	96.60%	5.247%
6	8.220	8.128	8.291	PV	171170	1811249	54.63%	2.967%
7	8.317	8.291	8.428	VB	329228	3231787	97.47%	5.294%
8	9.095	9.031	9.225	BB	288876	3087206	93.11%	5.058%
9	10.482	10.375	10.531	BV	281778	2989978	90.18%	4.898%
10	10.557	10.531	10.755	VB	244713	2851757	86.01%	4.672%
11	11.255	11.175	11.365	BV	291038	3076642	92.80%	5.040%
12	12.285	12.250	12.415	PV	255801	2975015	89.73%	4.874%
13	12.578	12.531	12.628	BV	265162	2918088	88.01%	4.780%
14	14.446	14.405	14.465	BV	240805	2689707	81.12%	4.406%
15	14.487	14.465	14.641	VB	231940	2954164	89.10%	4.840%
16	15.993	15.961	16.008	BV	240213	2830811	85.38%	4.638%
17	16.024	16.008	16.158	VB	233467	2756243	83.13%	4.515%
18	16.368	16.325	16.449	BV	216810	2798622	84.41%	4.585%
19	17.731	17.701	17.750	BV	196122	2432714	73.37%	3.985%
20	17.771	17.750	17.943	VV	170496	2948384	88.93%	4.830%
21	17.982	17.943	18.161	VB	200311	2873685	86.67%	4.708%
			Sum of corrected areas:			61041647		

Aromatic EPH 102324.M Wed Oct 30 03:17:45 2024

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

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048619.D**						
Aromatic C10-C12	6474941.000	40.000	4.094	5.812	161873.525	176202.694	8.132
Aromatic C12-C16	9658423.000	60.000	5.813	8.417	160973.717	177273.493	9.195
Aromatic C16-C21	11797080.000	80.000	8.418	12.677	147463.500	163832.550	9.991
Aromatic C21-C36	25330843.000	180.000	12.678	18.081	140726.906	152713.153	7.849
Aromatic EPH	53261287.000	360.000	4.094	18.081	147948.019	161887.469	8.611

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	29 Oct 2024 12:00
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048619.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6474941.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	9658423.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	11797080.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25330843.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	53261287.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048619.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 12:00
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 30 02:40:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.371	2757700	18.169 ug/ml
Spiked Amount	50.000		Recovery =	36.34%
6) S	2-Flurobiphenyl (SURR)	8.221	1796660	18.297 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	36.59%
11) S	ortho-Terphenyl (SURR)	11.254	3063908	17.987 ug/ml
Spiked Amount	50.000		Recovery =	35.97%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.194	3198918	18.388 ug/ml
2) T	Naphthalene (C11.7)	5.711	3276023	18.360 ug/ml
3) T	2-Methylnaphthalene (...	6.758	3259046	18.221 ug/ml
5) T	Acenaphthylene (C15.06)	8.023	3193475	18.187 ug/ml
7) T	Acenaphthene (C15.5)	8.316	3205902	18.075 ug/ml
8) T	Flouorene (C16.55)	9.095	3073027	18.180 ug/ml
9) T	Phenanthrene (C19.36)	10.481	2978847	18.020 ug/ml
10) T	Anthracene (C19.43)	10.556	2824782	17.665 ug/ml
12) T	Fluoranthene (C21.85)	12.284	2973929	18.070 ug/ml
13) T	Pyrene (C20.8)	12.577	2920424	18.131 ug/ml
14) T	Benzo[a]anthracene (C...	14.446	2703806	18.492 ug/ml
15) T	Chrysene (C27.41)	14.487	2947861	17.921 ug/ml
16) T	benzo[b]fluoranthene ...	15.992	2857062	18.793 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.022	2772451	18.446 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.368	2815873	18.711 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.730	2432797	18.645 ug/ml
20) T	Dibenz[a,h]anthracene...	17.771	2943362	18.087 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.981	2883702	18.836 ug/ml

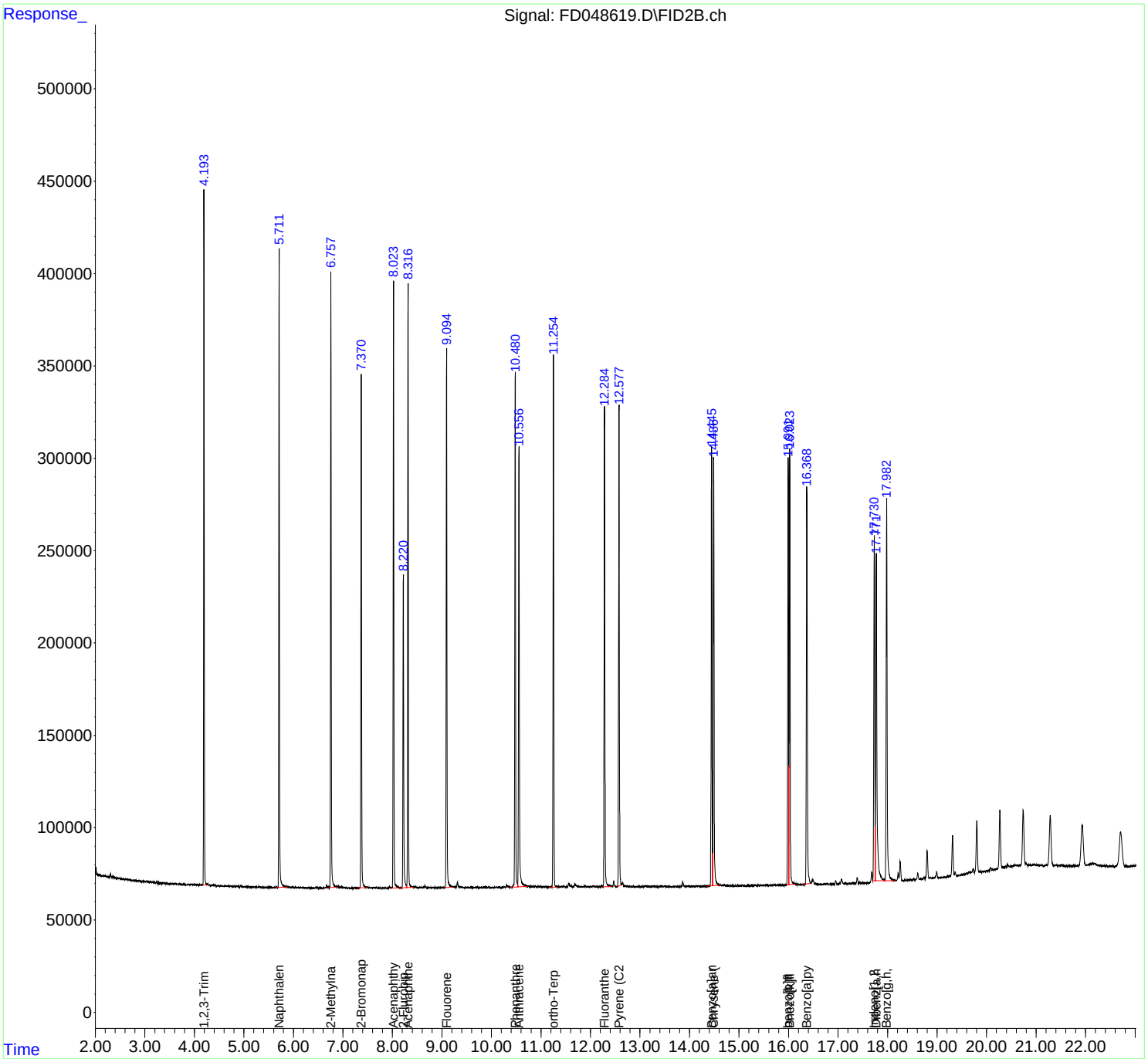
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048619.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 12:00
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Oct 30 02:40:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048619.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2024 12:00
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.194	4.161	4.261	BV	372770	3198918	97.65%	5.255%
2	5.711	5.641	5.881	BB	344096	3276023	100.00%	5.381%
3	6.758	6.711	6.888	BV	332302	3259046	99.48%	5.353%
4	7.371	7.295	7.478	BB	277721	2757700	84.18%	4.530%
5	8.023	7.965	8.171	PB	327097	3193475	97.48%	5.246%
6	8.221	8.175	8.287	BV	168776	1796660	54.84%	2.951%
7	8.316	8.287	8.428	VB	327991	3205902	97.86%	5.266%
8	9.095	9.051	9.228	BB	292025	3073027	93.80%	5.048%
9	10.481	10.371	10.531	BV	278907	2978847	90.93%	4.893%
10	10.556	10.531	10.721	VB	237042	2824782	86.23%	4.640%
11	11.254	11.168	11.338	BB	288810	3063908	93.53%	5.033%
12	12.284	12.247	12.425	PB	260695	2973929	90.78%	4.885%
13	12.577	12.538	12.627	BV	263623	2920424	89.15%	4.797%
14	14.446	14.355	14.466	BV	237001	2703806	82.53%	4.441%
15	14.487	14.466	14.628	VB	233456	2947861	89.98%	4.842%
16	15.992	15.961	16.007	BV	231658	2857062	87.21%	4.693%
17	16.022	16.007	16.145	VB	233683	2772451	84.63%	4.554%
18	16.368	16.281	16.455	BV	214994	2815873	85.95%	4.625%
19	17.730	17.701	17.750	BV	187584	2432797	74.26%	3.996%
20	17.771	17.750	17.941	VV	177802	2943362	89.85%	4.835%
21	17.981	17.941	18.158	VV	207835	2883702	88.02%	4.737%
			Sum of corrected areas:			60879553		

Aromatic EPH 102324.M Wed Oct 30 03:18:19 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:	PB164396BL			SDG No.:	P4518		
Lab Sample ID:	PB164396BL			Matrix:	Solid		
Analytical Method:	NJEPH			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000	uL	
Soil Aliquot Vol:			uL	Test:	EPH		
Prep Method :							

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 14:32	PB164396

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	FC067542.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067542.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067542.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067542.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067542.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048603.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048603.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048603.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.67	mg/kg	FD048603.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.01	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:	PB164396BL		SDG No.:	P4518	
Lab Sample ID:	PB164396BL		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
FC067542.D	1	10/25/24	10/28/24	PB164396

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)		39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164396BL	Acq On:	28 Oct 2024 14:32
Client Sample ID:	PB164396BL	Operator:	YP/AJ
Data file:	FC067542.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	0	0	300	ug/ml
Aliphatic C12-C16	6.454	9.842	0	0	200	ug/ml
Aliphatic C16-C21	9.843	13.200	0	0	300	ug/ml
Aliphatic C21-C28	13.201	16.853	0	0	400	ug/ml
Aliphatic C28-C40	16.854	21.695	0	0	600	ug/ml
Aliphatic EPH	3.173	21.695	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4211764	39		ug/ml
Aliphatic C9-C28	3.173	16.853	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067542.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 14:32
Operator : YP/AJ
Sample : PB164396BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164396BL

Integration File: sample.E
Quant Time: Oct 29 00:05:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.932	4211764	39.002 ug/ml
Spiked Amount 50.000		Recovery = 78.00%	
Target Compounds			

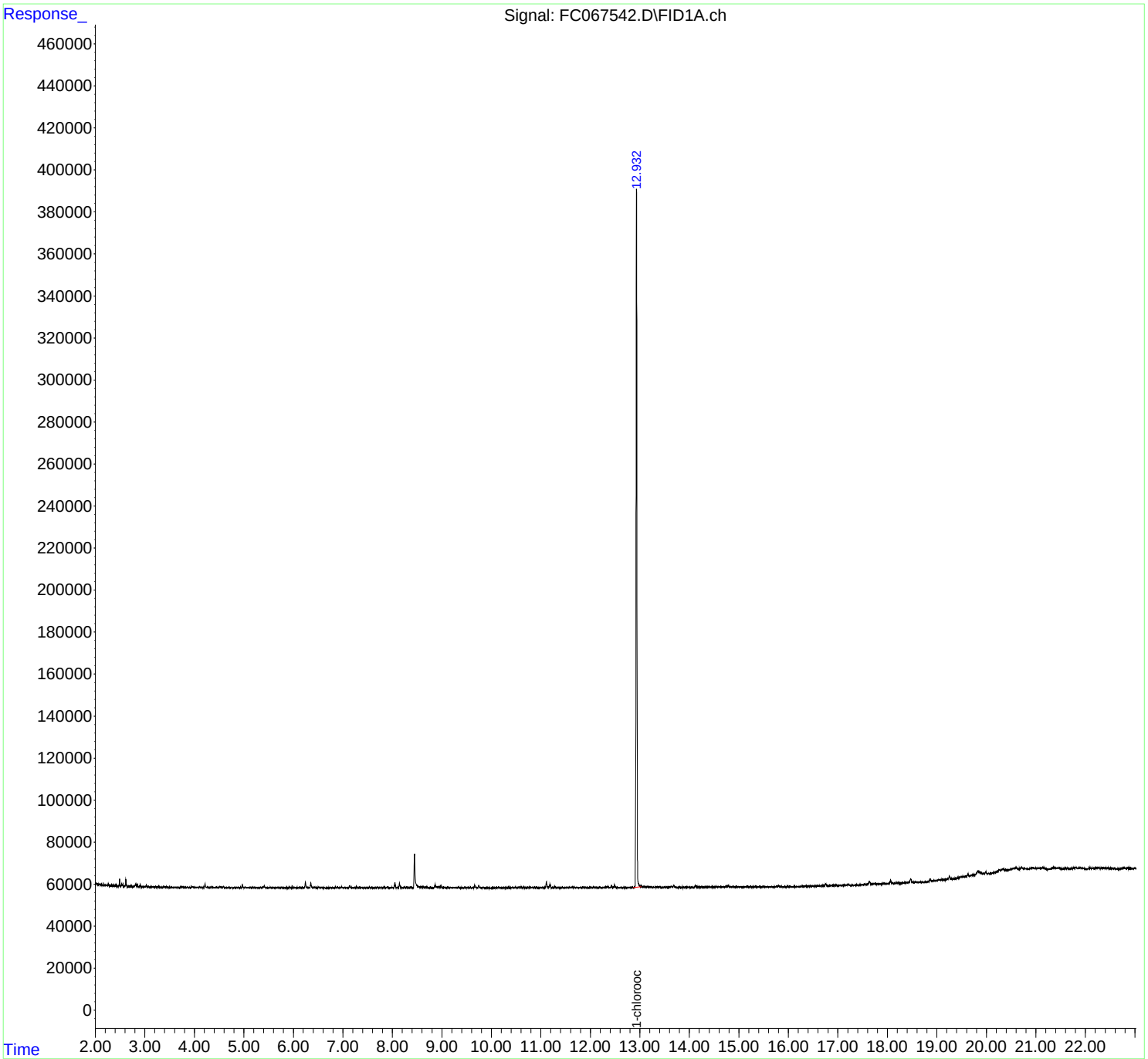
(f)=RT Delta > 1/2 Window (m)=manual int.

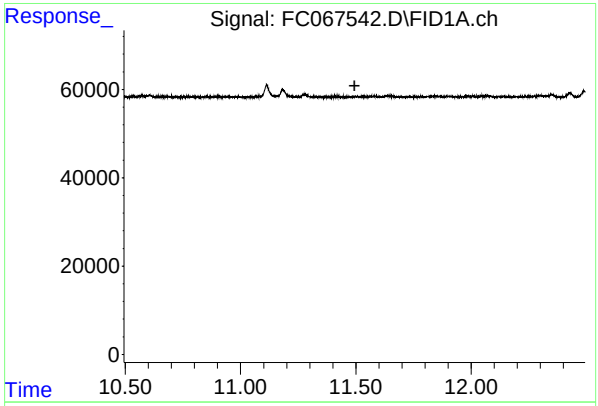
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067542.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 14:32
Operator : YP/AJ
Sample : PB164396BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164396BL

Integration File: sample.E
Quant Time: Oct 29 00:05:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

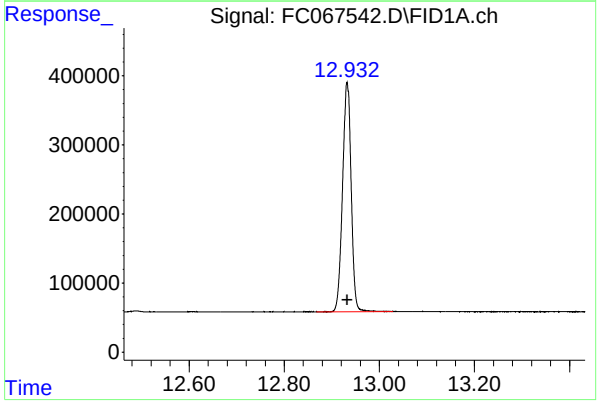




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
PB164396BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.932 min
Delta R.T.: 0.000 min
Response: 4211764
Conc: 39.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067542.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 14:32
Sample : PB164396BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.932	12.867	13.029	BB	331608	4211764	100.00%	100.000%

Sum of corrected areas: 4211764

Aliphatic EPH 102324.M Tue Oct 29 05:00:47 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:	PB164396BL		SDG No.:	P4518	
Lab Sample ID:	PB164396BL		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
FD048603.D	1	10/25/24	10/28/24	PB164396

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	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.0		40 - 140	104%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	50.4		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.9		40 - 140	90%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164396BL	Acq On:	28 Oct 2024 13:55
Client Sample ID:	PB164396BL	Operator:	YP/AJ
Data file:	FD048603.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	4.094	5.812	0	0	200	ug/ml
Aromatic C12-C16	5.813	8.417	0	0	300	ug/ml
Aromatic C16-C21	8.418	12.677	0	0	500	ug/ml
Aromatic C21-C36	12.678	18.081	0	0	800	ug/ml
Aromatic EPH	4.094	18.081	0	0		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	7644072	44.88		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7892901	52		ug/ml
2-Flurobiphenyl (SURR)	8.221	8.221	4953164	50.44		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048603.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 13:55
Operator : YP/AJ
Sample : PB164396BL
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164396BL

Integration File: autoint1.e
Quant Time: Oct 29 00:22:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.373	7892901	52.003 ug/ml
Spiked Amount 50.000		Recovery = 104.01%	
6) S 2-Flurobiphenyl (SURR)	8.221	4953164	50.444 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 100.89%	
11) S ortho-Terphenyl (SURR)	11.258	7644072	44.875 ug/ml
Spiked Amount 50.000		Recovery = 89.75%	
Target Compounds			

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

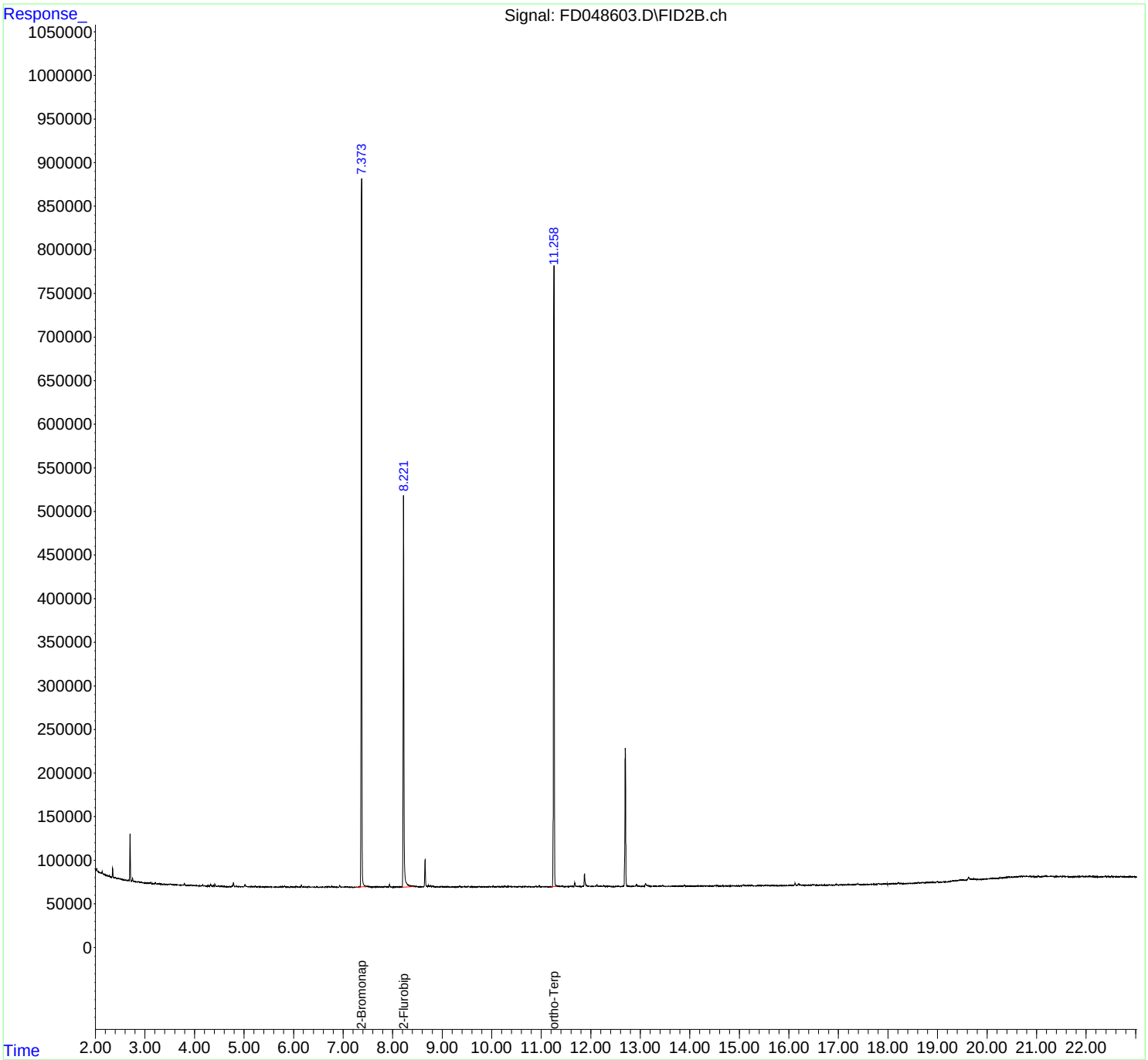
Quantitation Report (QT Reviewed)

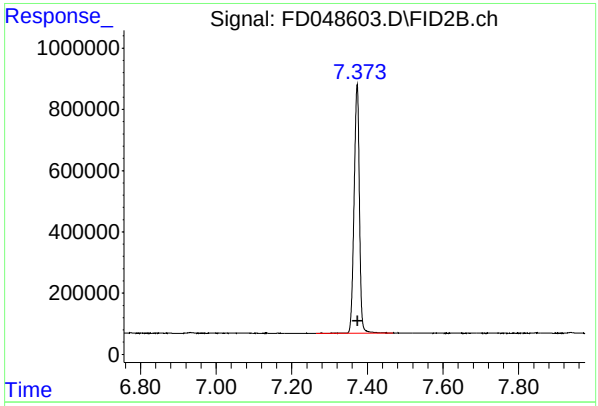
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048603.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 13:55
Operator : YP/AJ
Sample : PB164396BL
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164396BL

Integration File: autoint1.e
Quant Time: Oct 29 00:22:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

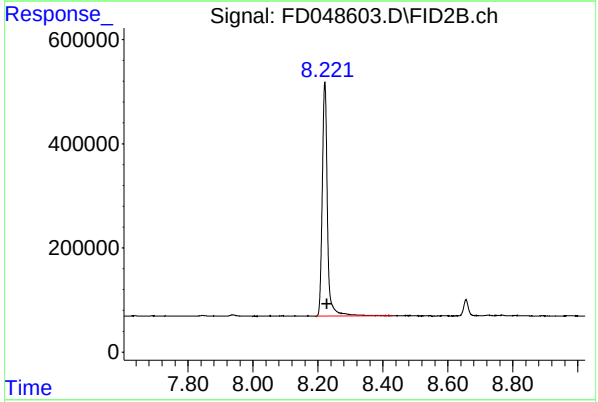




#4 2-Bromonaphthalene (SURR)

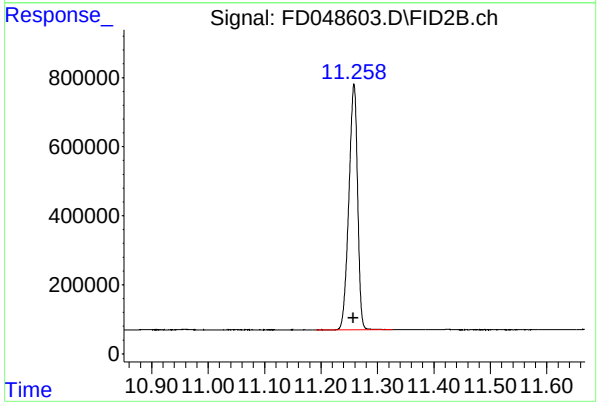
R.T.: 7.373 min
Delta R.T.: -0.002 min
Response: 7892901
Conc: 52.00 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164396BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.221 min
Delta R.T.: -0.007 min
Response: 4953164
Conc: 50.44 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.001 min
Response: 7644072
Conc: 44.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048603.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 13:55
Sample : PB164396BL
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.373	7.264	7.468	BB	801107	7892901	100.00%	38.520%
2	8.221	8.194	8.431	PV	449387	4953164	62.75%	24.173%
3	11.258	11.191	11.327	BV	709606	7644072	96.85%	37.306%

Sum of corrected areas: 20490136

Aromatic EPH 102324.M Tue Oct 29 05:17:51 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:	PB164396BS			SDG No.:	P4518
Lab Sample ID:	PB164396BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 15:08	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.70		1	0.38	1.00	mg/kg	FC067543.D
Aliphatic C12-C16	Aliphatic C12-C16	5.41		1	0.24	0.67	mg/kg	FC067543.D
Aliphatic C16-C21	Aliphatic C16-C21	9.37		1	0.30	1.00	mg/kg	FC067543.D
Aliphatic C21-C28	Aliphatic C21-C28	12.7		1	0.80	1.33	mg/kg	FC067543.D
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1	1.80	2.00	mg/kg	FC067543.D
Aromatic C10-C12	Aromatic C10-C12	4.85		1	0.30	0.67	mg/kg	FD048604.D
Aromatic C12-C16	Aromatic C12-C16	8.24		1	0.34	1.00	mg/kg	FD048604.D
Aromatic C16-C21	Aromatic C16-C21	17.6		1	0.96	1.67	mg/kg	FD048604.D
Aromatic C21-C36	Aromatic C21-C36	26.4		1	2.00	2.66	mg/kg	FD048604.D
Total AliphaticEPH	Total AliphaticEPH	55.9			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	57.1			3.60	6.00	mg/kg	
Total EPH	Total EPH	113			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:	PB164396BS			SDG No.:	P4518
Lab Sample ID:	PB164396BS			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
FC067543.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.70		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	9.37		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.7		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	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:	PB164396BS	Acq On:	28 Oct 2024 15:08
Client Sample ID:	PB164396BS	Operator:	YP/AJ
Data file:	FC067543.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	3.173	6.453	11602133	85.644	300	ug/ml
Aliphatic C12-C16	6.454	9.842	10695713	81.224	200	ug/ml
Aliphatic C16-C21	9.843	13.200	17892667	140.627	300	ug/ml
Aliphatic C21-C28	13.201	16.853	22932840	190.963	400	ug/ml
Aliphatic C28-C40	16.854	21.695	34400430	340.284	600	ug/ml
Aliphatic EPH	3.173	21.695	97523783	838.742		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	3308795	30.64		ug/ml
Aliphatic C9-C28	3.173	16.853	63123353	498.458	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067543.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 15:08
Operator : YP/AJ
Sample : PB164396BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164396BS

Integration File: sample.E
Quant Time: Oct 29 00:12:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.932	3308795	30.640 ug/ml
Spiked Amount	50.000		Recovery =	61.28%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	3199806	23.751 ug/ml
2) T	n-Decane (C10)	4.339	3900159	28.626 ug/ml
4) T	n-Dodecane (C12)	6.354	4502168	33.240 ug/ml
6) T	n-Tetradecane (C14)	8.146	5080179	38.703 ug/ml
7) T	n-Hexadecane (C16)	9.744	5615534	42.509 ug/ml
8) T	n-Octadecane (C18)	11.184	5907558	44.716 ug/ml
10) T	n-Eicosane (C20)	12.491	6097550	48.325 ug/ml
11) T	n-Heneicosane (C21)	13.102	5887559	47.706 ug/ml
13) T	n-Docosane (C22)	13.687	5859150	47.850 ug/ml
14) T	n-Tetracosane (C24)	14.789	5773507	47.632 ug/ml
15) T	n-Hexacosane (C26)	15.808	5683607	47.739 ug/ml
16) T	n-Octacosane (C28)	16.755	5616576	47.741 ug/ml
17) T	n-Tricontane (C30)	17.641	5674811	46.949 ug/ml
18) T	n-Dotriacontane (C32)	18.473	5671715	47.935 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	5717154	54.591 ug/ml
20) T	n-Hexatriacontane (C36)	19.993	5731513	62.965 ug/ml
21) T	n-Octatriacontane (C38)	20.716	5793952	66.903 ug/ml
22) T	n-Tetracontane (C40)	21.599	5811285	68.359 ug/ml

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

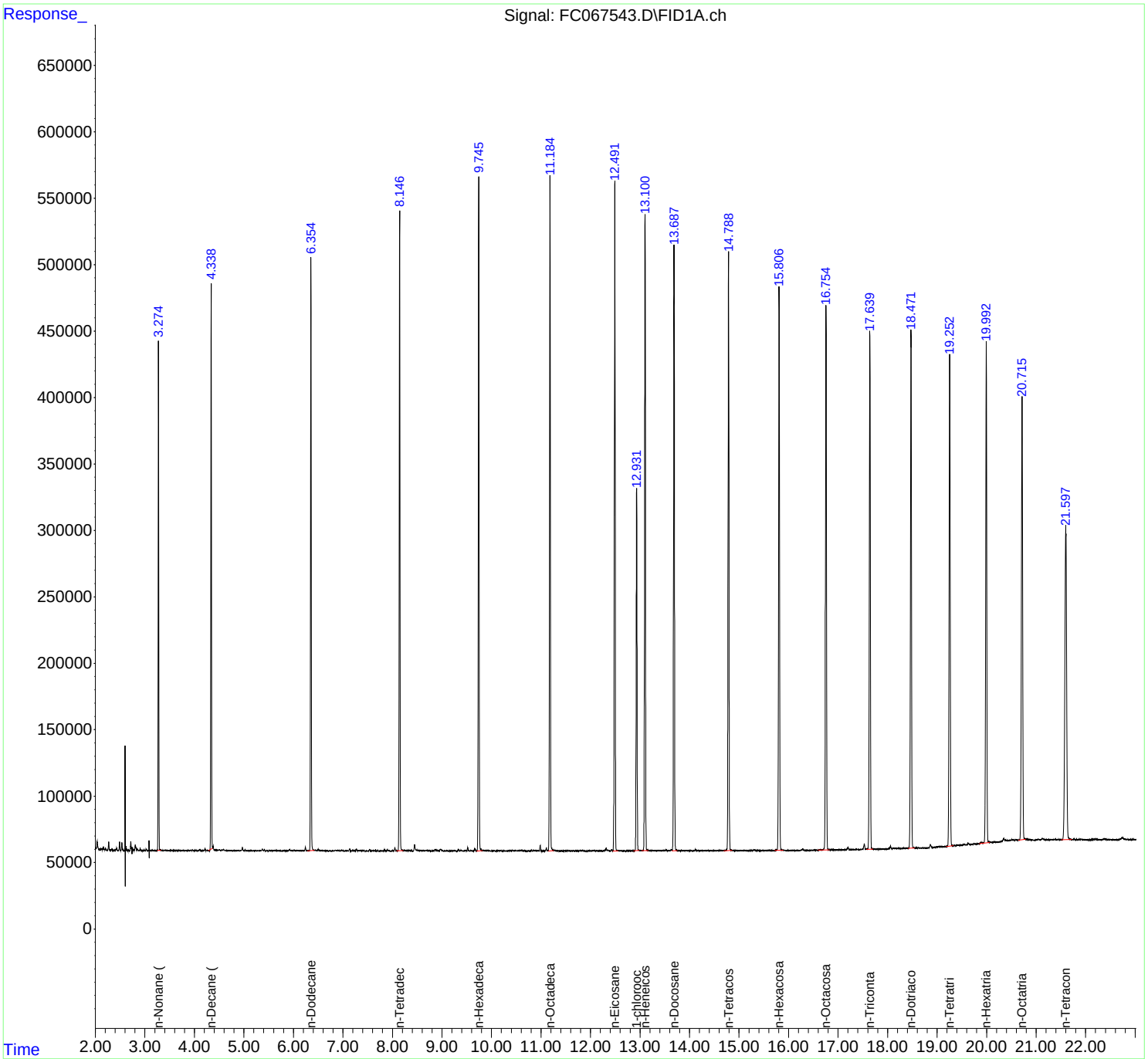
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067543.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 15:08
Operator : YP/AJ
Sample : PB164396BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164396BS

Integration File: sample.E
Quant Time: Oct 29 00:12:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067543.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 15:08
Sample : PB164396BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.327	BB	382741	3199806	52.48%	3.173%
2	4.339	4.282	4.368	BV	424853	3900159	63.96%	3.868%
3	6.354	6.289	6.424	BB	444399	4502168	73.84%	4.465%
4	8.146	8.085	8.220	BB	479139	5080179	83.32%	5.038%
5	9.744	9.705	9.825	BB	507544	5615534	92.09%	5.569%
6	11.184	11.144	11.262	PB	509242	5907558	96.88%	5.859%
7	12.491	12.450	12.560	PB	504583	6097550	100.00%	6.047%
8	12.932	12.867	12.985	BB	272195	3308795	54.26%	3.281%
9	13.102	13.030	13.174	BB	473606	5887559	96.56%	5.839%
10	13.687	13.648	13.757	VB	454429	5859150	96.09%	5.811%
11	14.789	14.690	14.862	BB	450218	5773507	94.69%	5.726%
12	15.808	15.715	15.894	BB	422364	5683607	93.21%	5.637%
13	16.755	16.589	16.829	BB	408608	5616576	92.11%	5.570%
14	17.641	17.574	17.709	BB	387036	5674811	93.07%	5.628%
15	18.473	18.410	18.544	BB	390803	5671715	93.02%	5.625%
16	19.253	19.179	19.322	BV	366344	5717154	93.76%	5.670%
17	19.993	19.847	20.069	BB	376979	5731513	94.00%	5.684%
18	20.716	20.640	20.790	BB	332626	5793952	95.02%	5.746%
19	21.599	21.502	21.722	BB	234061	5811285	95.31%	5.763%

Sum of corrected areas: 100832576

Aliphatic EPH 102324.M Tue Oct 29 05:01:04 2024

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164396BS		SDG No.:	P4518	
Lab Sample ID:	PB164396BS		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
FD048604.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.85		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.24		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.6		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.4		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.8		40 - 140	98%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.1		40 - 140	80%	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:	PB164396BS	Acq On:	28 Oct 2024 14:32
Client Sample ID:	PB164396BS	Operator:	YP/AJ
Data file:	FD048604.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	4.094	5.812	12825233	72.787	200	ug/ml
Aromatic C12-C16	5.813	8.417	21934412	123.732	300	ug/ml
Aromatic C16-C21	8.418	12.677	43230256	263.869	500	ug/ml
Aromatic C21-C36	12.678	18.081	60433780	395.734	800	ug/ml
Aromatic EPH	4.094	18.081	138423681	856.121		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	6830259	40.1		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	7402684	48.77		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	4892407	49.82		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048604.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 14:32
Operator : YP/AJ
Sample : PB164396BS
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164396BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	7402684	48.773 ug/ml
Spiked Amount	50.000		Recovery =	97.55%
6) S	2-Flurobiphenyl (SURR)	8.222	4892407	49.825 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	99.65%
11) S	ortho-Terphenyl (SURR)	11.258	6830259	40.098 ug/ml
Spiked Amount	50.000		Recovery =	80.20%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.196	5983384	34.393 ug/mlm
2) T	Naphthalene (C11.7)	5.712	6832246	38.290 ug/ml
3) T	2-Methylnaphthalene (...	6.759	6751071	37.744 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	7372752	41.988 ug/ml
7) T	Acenaphthene (C15.5)	8.321	7810589	44.037 ug/ml
8) T	Flouorene (C16.55)	9.099	8087323	47.844 ug/ml
9) T	Phenanthrene (C19.36)	10.487	8287031	50.131 ug/ml
10) T	Anthracene (C19.43)	10.562	8435961	52.754 ug/ml
12) T	Fluoranthene (C21.85)	12.291	8485411	51.559 ug/mlm
13) T	Pyrene (C20.8)	12.584	8817223	54.739 ug/ml
14) T	Benzo[a]anthracene (C...	14.453	7784802	53.242 ug/ml
15) T	Chrysene (C27.41)	14.497	7863685	47.806 ug/ml
16) T	benzo[b]fluoranthene ...	16.001	7661055	50.392 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.036	7638597	50.821 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.377	7347552	48.822 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	7707412	59.071 ug/ml
20) T	Dibenz[a,h]anthracene...	17.781	7303593	44.880 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.996	7127084	46.554 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048604.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 14:32
Operator : YP/AJ
Sample : PB164396BS
Misc :
ALS Vial : 67 Sample Multiplier: 1

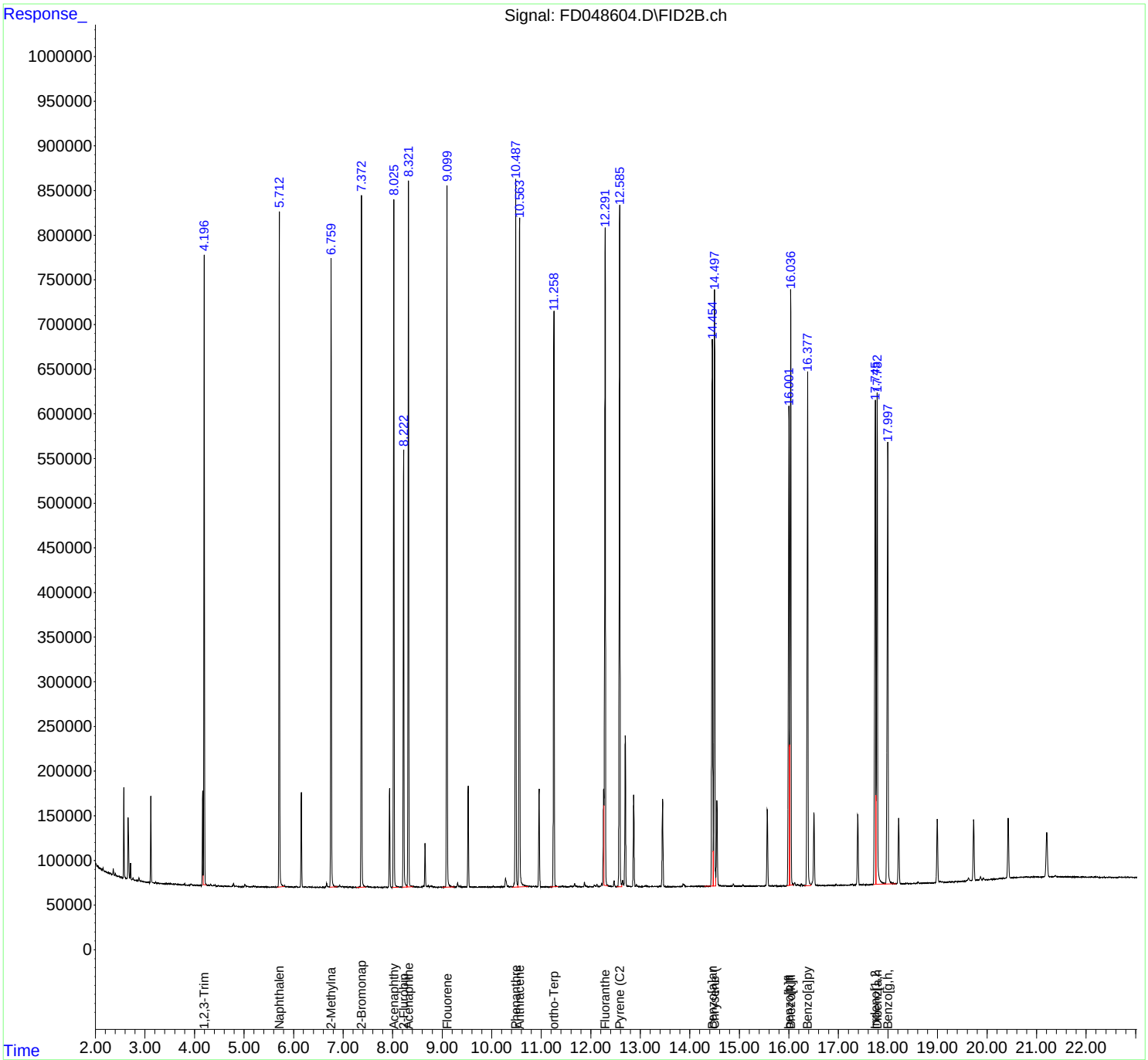
Instrument :
FID_D
ClientSampleId :
PB164396BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
ClientSampleId :
PB164396BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048604.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 14:32
Sample : PB164396BS
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.196	4.179	4.247	M	706078	5992987	62.41%	3.804%
2	5.712	5.671	5.808	BV	746658	6832246	71.15%	4.337%
3	6.759	6.724	6.874	VB	700666	6751071	70.30%	4.285%
4	7.372	7.264	7.461	BV	767875	7402684	77.09%	4.699%
5	8.025	7.991	8.114	PV	763127	7372752	76.78%	4.680%
6	8.222	8.190	8.290	PV	484235	4892407	50.95%	3.105%
7	8.321	8.290	8.408	VB	794516	7810589	81.34%	4.958%
8	9.099	9.001	9.241	BB	779025	8087323	84.22%	5.133%
9	10.487	10.408	10.528	PV	800292	8287031	86.30%	5.260%
10	10.562	10.528	10.741	VV	738578	8435961	87.85%	5.354%
11	11.258	11.171	11.341	BB	644015	6830259	71.13%	4.335%
12	12.290	12.232	12.428	VB	745391	9602718	100.00%	6.095%
13	12.584	12.521	12.624	PV	764696	8817223	91.82%	5.596%
14	14.453	14.298	14.472	BV	616667	7784802	81.07%	4.941%
15	14.497	14.472	14.522	VV	674112	7863685	81.89%	4.991%
16	16.001	15.961	16.016	BV	538097	7661055	79.78%	4.863%
17	16.036	16.016	16.094	VV	650020	7638597	79.55%	4.848%
18	16.377	16.308	16.444	BV	580541	7347552	76.52%	4.664%
19	17.744	17.701	17.759	BV	547233	7707412	80.26%	4.892%
20	17.781	17.759	17.942	VV	547056	7303593	76.06%	4.636%
21	17.996	17.942	18.171	VV	483589	7127084	74.22%	4.524%

Sum of corrected areas: 157549030

Aromatic EPH 102324.M Tue Oct 29 05:18:48 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:	PB164396BSD		SDG No.:	P4518	
Lab Sample ID:	PB164396BSD		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
FD048605.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.03		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.57		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.3		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.3		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.7		40 - 140	101%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	51.9		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.7		40 - 140	83%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164396BSD	Acq On:	28 Oct 2024 15:08
Client Sample ID:	PB164396BSD	Operator:	YP/AJ
Data file:	FD048605.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	13302714	75.497	200	ug/ml
Aromatic C12-C16	5.813	8.417	22794499	128.584	300	ug/ml
Aromatic C16-C21	8.418	12.677	44933158	274.263	500	ug/ml
Aromatic C21-C36	12.678	18.081	62657164	410.293	800	ug/ml
Aromatic EPH	4.094	18.081	143687535	888.636		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	7098045	41.67		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	7693298	50.69		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	5094272	51.88		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048605.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 15:08
Operator : YP/AJ
Sample : PB164396BSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164396BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.372	7693298	50.688 ug/ml
Spiked Amount	50.000		Recovery =	101.38%
6) S	2-Flurobiphenyl (SURR)	8.222	5094272	51.881 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	103.76%
11) S	ortho-Terphenyl (SURR)	11.258	7098045	41.670 ug/ml
Spiked Amount	50.000		Recovery =	83.34%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.196	6228856	35.804 ug/mlm
2) T	Naphthalene (C11.7)	5.713	7066148	39.601 ug/ml
3) T	2-Methylnaphthalene (...	6.759	7024435	39.272 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	7638075	43.499 ug/ml
7) T	Acenaphthene (C15.5)	8.321	8131989	45.849 ug/ml
8) T	Flouorene (C16.55)	9.099	8412208	49.766 ug/ml
9) T	Phenanthrene (C19.36)	10.487	8610149	52.086 ug/ml
10) T	Anthracene (C19.43)	10.562	8775430	54.877 ug/ml
12) T	Fluoranthene (C21.85)	12.291	8834256	53.679 ug/mlm
13) T	Pyrene (C20.8)	12.585	9150056	56.805 ug/ml
14) T	Benzo[a]anthracene (C...	14.454	8098024	55.384 ug/ml
15) T	Chrysene (C27.41)	14.497	8160506	49.610 ug/ml
16) T	benzo[b]fluoranthene ...	16.003	7988590	52.546 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.037	7877054	52.408 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.378	7618837	50.625 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.745	8011869	61.404 ug/ml
20) T	Dibenz[a,h]anthracene...	17.783	7538753	46.325 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.997	7363531	48.099 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048605.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 15:08
Operator : YP/AJ
Sample : PB164396BSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

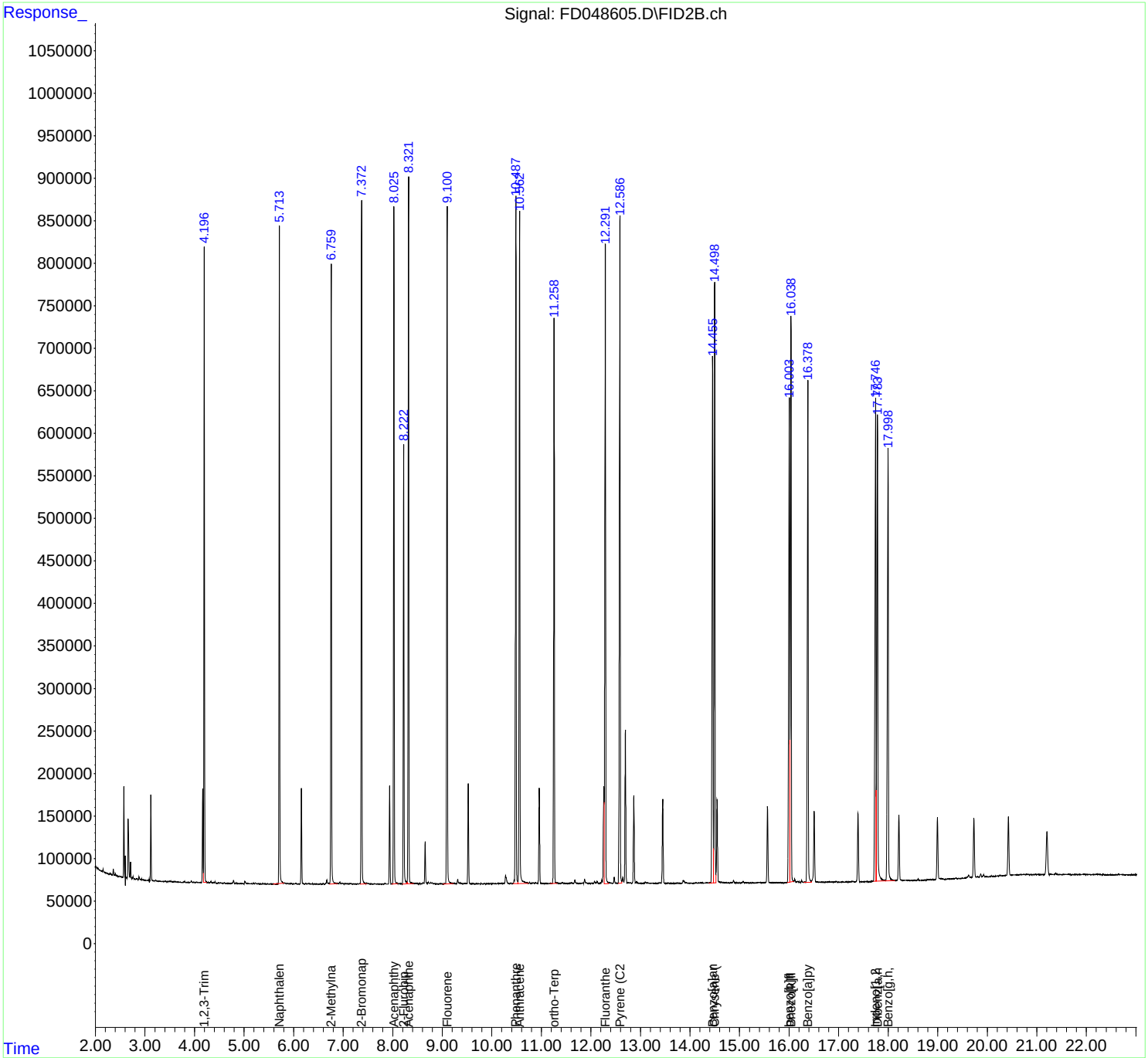
Instrument :
FID_D
ClientSampleId :
PB164396BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
Quant Time: Oct 29 00:22:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_D
ClientSampleId :
PB164396BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048605.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 15:08
Sample : PB164396BSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.196	4.178	4.262	M	747803	6236566	62.46%	3.813%
2	5.713	5.585	5.807	BV	776663	7066148	70.77%	4.320%
3	6.759	6.725	6.888	VB	722037	7024435	70.35%	4.294%
4	7.372	7.343	7.478	VV	794235	7693298	77.05%	4.703%
5	8.025	7.978	8.108	PV	787842	7638075	76.49%	4.670%
6	8.222	8.195	8.291	PV	511208	5094272	51.02%	3.114%
7	8.321	8.291	8.428	VB	832678	8131989	81.44%	4.971%
8	9.099	9.011	9.231	PB	785599	8412208	84.25%	5.143%
9	10.487	10.421	10.528	PV	817681	8610149	86.23%	5.264%
10	10.562	10.528	10.741	VV	785341	8775430	87.88%	5.365%
11	11.258	11.171	11.321	BV	660273	7098045	71.08%	4.339%
12	12.291	12.233	12.441	VB	751918	9985315	100.00%	6.104%
13	12.585	12.548	12.625	BV	769384	9150056	91.64%	5.594%
14	14.454	14.378	14.473	BV	618416	8098024	81.10%	4.951%
15	14.497	14.473	14.523	VV	711534	8160506	81.73%	4.989%
16	16.003	15.961	16.017	BV	565934	7988590	80.00%	4.884%
17	16.037	16.017	16.095	VV	669426	7877054	78.89%	4.816%
18	16.378	16.298	16.451	BV	587227	7618837	76.30%	4.658%
19	17.745	17.701	17.760	BV	561897	8011869	80.24%	4.898%
20	17.783	17.760	17.948	VV	541454	7538753	75.50%	4.609%
21	17.997	17.948	18.141	VB	514793	7363531	73.74%	4.502%

Sum of corrected areas: 163573149

Aromatic EPH 102324.M Tue Oct 29 05:19:39 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:	PB164396BSD			SDG No.:	P4518
Lab Sample ID:	PB164396BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 15:50	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.66		1	0.38	1.00	mg/kg	FC067544.D
Aliphatic C12-C16	Aliphatic C12-C16	5.38		1	0.24	0.67	mg/kg	FC067544.D
Aliphatic C16-C21	Aliphatic C16-C21	9.32		1	0.30	1.00	mg/kg	FC067544.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6		1	0.80	1.33	mg/kg	FC067544.D
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.80	2.00	mg/kg	FC067544.D
Aromatic C10-C12	Aromatic C10-C12	5.03		1	0.30	0.67	mg/kg	FD048605.D
Aromatic C12-C16	Aromatic C12-C16	8.57		1	0.34	1.00	mg/kg	FD048605.D
Aromatic C16-C21	Aromatic C16-C21	18.3		1	0.96	1.67	mg/kg	FD048605.D
Aromatic C21-C36	Aromatic C21-C36	27.3		1	2.00	2.66	mg/kg	FD048605.D
Total AliphaticEPH	Total AliphaticEPH	55.6			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	59.2			3.60	6.00	mg/kg	
Total EPH	Total EPH	115			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:	PB164396BSD		SDG No.:	P4518	
Lab Sample ID:	PB164396BSD		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
FC067544.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.66		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.38		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.32		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.6		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164396BSD	Acq On:	28 Oct 2024 15:50
Client Sample ID:	PB164396BSD	Operator:	YP/AJ
Data file:	FC067544.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	3.173	6.453	11516872	85.014	300	ug/ml
Aliphatic C12-C16	6.454	9.842	10628641	80.715	200	ug/ml
Aliphatic C16-C21	9.843	13.200	17799805	139.897	300	ug/ml
Aliphatic C21-C28	13.201	16.853	22770349	189.61	400	ug/ml
Aliphatic C28-C40	16.854	21.695	34307411	339.364	600	ug/ml
Aliphatic EPH	3.173	21.695	97023078	834.6		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	3597357	33.31		ug/ml
Aliphatic C9-C28	3.173	16.853	62715667	495.236	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067544.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 15:50
Operator : YP/AJ
Sample : PB164396BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164396BSD

Integration File: sample.E
Quant Time: Oct 29 00:06:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.934	3597357	33.312 ug/ml
Spiked Amount	50.000		Recovery =	66.62%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	3167092	23.509 ug/ml
2) T	n-Decane (C10)	4.339	3871535	28.416 ug/ml
4) T	n-Dodecane (C12)	6.355	4478245	33.064 ug/ml
6) T	n-Tetradecane (C14)	8.147	5045421	38.438 ug/ml
7) T	n-Hexadecane (C16)	9.745	5583220	42.264 ug/ml
8) T	n-Octadecane (C18)	11.185	5888876	44.574 ug/ml
10) T	n-Eicosane (C20)	12.492	6062286	48.046 ug/ml
11) T	n-Heneicosane (C21)	13.103	5848643	47.390 ug/ml
13) T	n-Docosane (C22)	13.689	5811528	47.461 ug/ml
14) T	n-Tetracosane (C24)	14.790	5730338	47.276 ug/ml
15) T	n-Hexacosane (C26)	15.808	5648112	47.441 ug/ml
16) T	n-Octacosane (C28)	16.756	5580371	47.433 ug/ml
17) T	n-Tricontane (C30)	17.642	5647587	46.724 ug/ml
18) T	n-Dotriacontane (C32)	18.474	5648824	47.742 ug/ml
19) T	n-Tetratriacontane (C34)	19.255	5693761	54.367 ug/ml
20) T	n-Hexatriacontane (C36)	19.993	5692288	62.534 ug/ml
21) T	n-Octatriacontane (C38)	20.718	5810218	67.091 ug/ml
22) T	n-Tetracontane (C40)	21.602	5814733	68.400 ug/ml

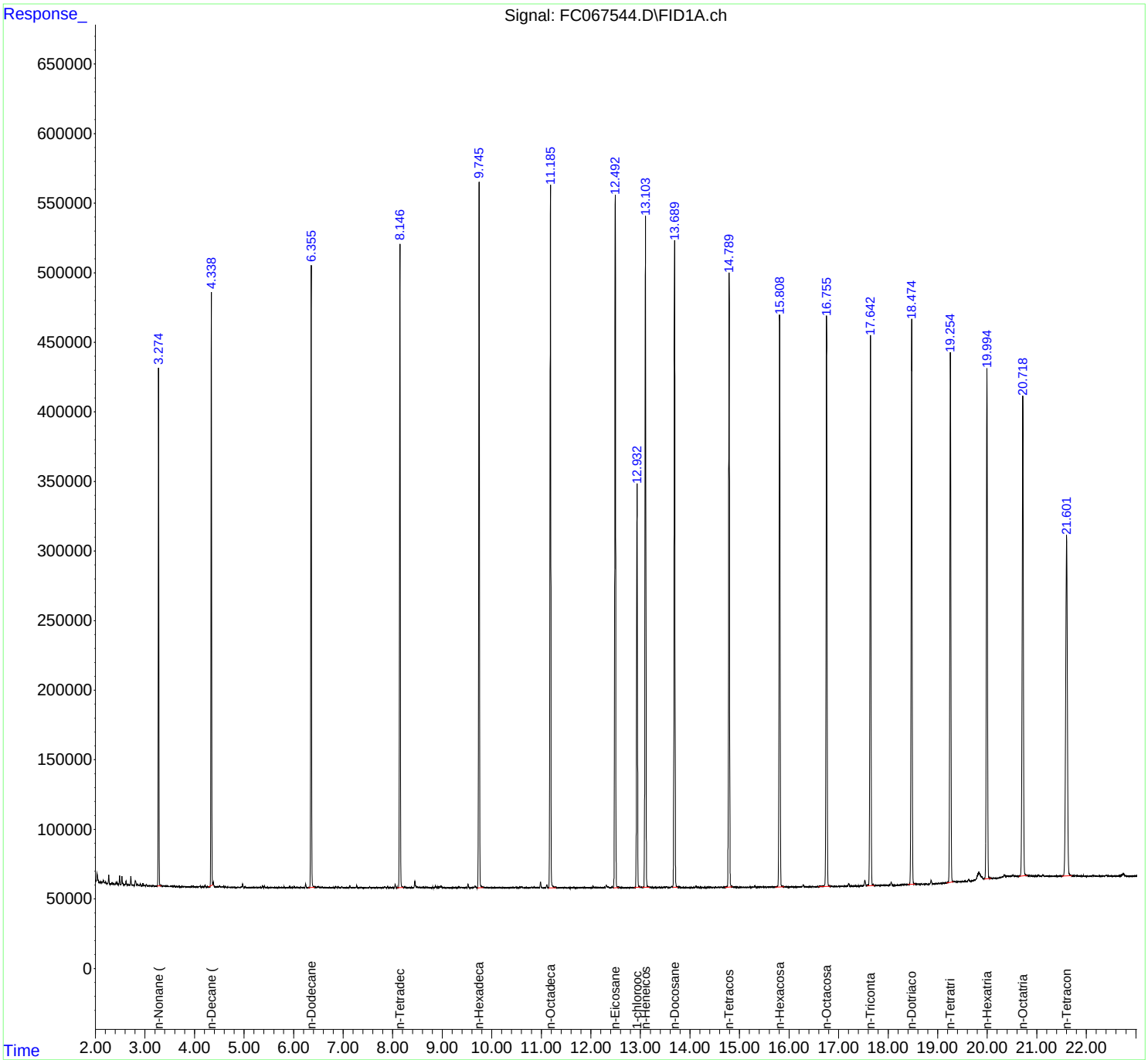
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067544.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 15:50
Operator : YP/AJ
Sample : PB164396BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164396BSD

Integration File: sample.E
Quant Time: Oct 29 00:06:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067544.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 15:50
Sample : PB164396BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.325	BB	372537	3167092	52.24%	3.148%
2	4.339	4.282	4.368	BV	426897	3871535	63.86%	3.848%
3	6.355	6.290	6.423	BV	447306	4478245	73.87%	4.451%
4	8.147	8.083	8.218	BB	461712	5045421	83.23%	5.014%
5	9.745	9.707	9.830	BB	505665	5583220	92.10%	5.549%
6	11.185	11.145	11.300	PB	506068	5888876	97.14%	5.853%
7	12.492	12.452	12.560	PB	497016	6062286	100.00%	6.025%
8	12.934	12.868	12.992	BB	289571	3597357	59.34%	3.575%
9	13.103	13.033	13.185	BB	485045	5848643	96.48%	5.813%
10	13.689	13.650	13.755	VB	465441	5811528	95.86%	5.776%
11	14.790	14.702	14.860	BB	436163	5730338	94.52%	5.695%
12	15.808	15.722	15.900	BB	410552	5648112	93.17%	5.613%
13	16.756	16.590	16.832	BB	404908	5580371	92.05%	5.546%
14	17.642	17.577	17.722	BB	394524	5647587	93.16%	5.613%
15	18.474	18.395	18.547	BB	401973	5648824	93.18%	5.614%
16	19.255	19.175	19.317	BB	380348	5693761	93.92%	5.659%
17	19.993	19.938	20.075	VB	359428	5692288	93.90%	5.657%
18	20.718	20.635	20.807	BB	346170	5810218	95.84%	5.774%
19	21.602	21.512	21.703	BB	244188	5814733	95.92%	5.779%

Sum of corrected areas: 100620434

Aliphatic EPH 102324.M Tue Oct 29 05:01:25 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:	EX-5-TPH-5MS			SDG No.:	P4518
Lab Sample ID:	P4518-05MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	73.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 17:03	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	42.9	E	1	0.51	1.35	mg/kg	FC067546.D
Aliphatic C12-C16	Aliphatic C12-C16	268	E	1	0.33	0.90	mg/kg	FC067546.D
Aliphatic C16-C21	Aliphatic C16-C21	304	E	1	0.41	1.35	mg/kg	FC067546.D
Aliphatic C21-C28	Aliphatic C21-C28	105	E	1	1.08	1.80	mg/kg	FC067546.D
Aliphatic C28-C40	Aliphatic C28-C40	126	E	1	2.43	2.70	mg/kg	FC067546.D
Aromatic C10-C12	Aromatic C10-C12	15.4		1	0.41	0.90	mg/kg	FD048607.D
Aromatic C12-C16	Aromatic C12-C16	85.4	E	1	0.46	1.35	mg/kg	FD048607.D
Aromatic C16-C21	Aromatic C16-C21	255	E	1	1.30	2.25	mg/kg	FD048607.D
Aromatic C21-C36	Aromatic C21-C36	90.4	E	1	2.70	3.61	mg/kg	FD048607.D
Total AliphaticEPH	Total AliphaticEPH	846			4.75	8.10	mg/kg	
Total AromaticEPH	Total AromaticEPH	446			4.87	8.11	mg/kg	
Total EPH	Total EPH	1290			9.62	16.2	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	EX-5-TPH-5MS		SDG No.:	P4518	
Lab Sample ID:	P4518-05MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067546.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.9	E	0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	268	E	0.33	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	304	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	105	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	126	E	2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05MS	Acq On:	28 Oct 2024 17:03
Client Sample ID:	P4518-05MS	Operator:	YP/AJ
Data file:	FC067546.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	3.173	6.453	64451302	475.762	300	ug/ml
Aliphatic C12-C16	6.454	9.842	392480875	2980	200	ug/ml
Aliphatic C16-C21	9.843	13.200	430197990	3380	300	ug/ml
Aliphatic C21-C28	13.201	16.853	141128618	1180	400	ug/ml
Aliphatic C28-C40	16.854	21.695	142127853	1410	600	ug/ml
Aliphatic EPH	3.173	21.695	1170386638	9420		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	4355427	40.33		ug/ml
Aliphatic C9-C28	3.173	16.853	1028258785	8010	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067546.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 17:03
Operator : YP/AJ
Sample : P4518-05MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:43:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.937	4355427	40.332 ug/mlm
Spiked Amount	50.000		Recovery =	80.66%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	4547050	33.752 ug/ml
2) T	n-Decane (C10)	4.340	6074341	44.584 ug/ml
4) T	n-Dodecane (C12)	6.357	7407515	54.691 ug/mlm
6) T	n-Tetradecane (C14)	8.153	8870452	67.579 ug/mlm
7) T	n-Hexadecane (C16)	9.754	9234252	69.902 ug/mlm
8) T	n-Octadecane (C18)	11.193	9537788	72.194 ug/mlm
10) T	n-Eicosane (C20)	12.499	9191174	72.843 ug/mlm
11) T	n-Heneicosane (C21)	13.107	8078445	65.458 ug/mlm
13) T	n-Docosane (C22)	13.694	8140536	66.481 ug/mlm
14) T	n-Tetracosane (C24)	14.793	7876666	64.984 ug/mlm
15) T	n-Hexacosane (C26)	15.812	7809691	65.597 ug/mlm
16) T	n-Octacosane (C28)	16.760	7849686	66.722 ug/mlm
17) T	n-Tricontane (C30)	17.647	7677843	63.521 ug/mlm
18) T	n-Dotriacontane (C32)	18.477	7585388	64.109 ug/mlm
19) T	n-Tetratriacontane (C34)	19.258	8007761	76.463 ug/ml
20) T	n-Hexatriacontane (C36)	19.997	7735213	84.977 ug/ml
21) T	n-Octatriacontane (C38)	20.720	7594323	87.692 ug/ml
22) T	n-Tetracontane (C40)	21.605	7599497	89.395 ug/mlm

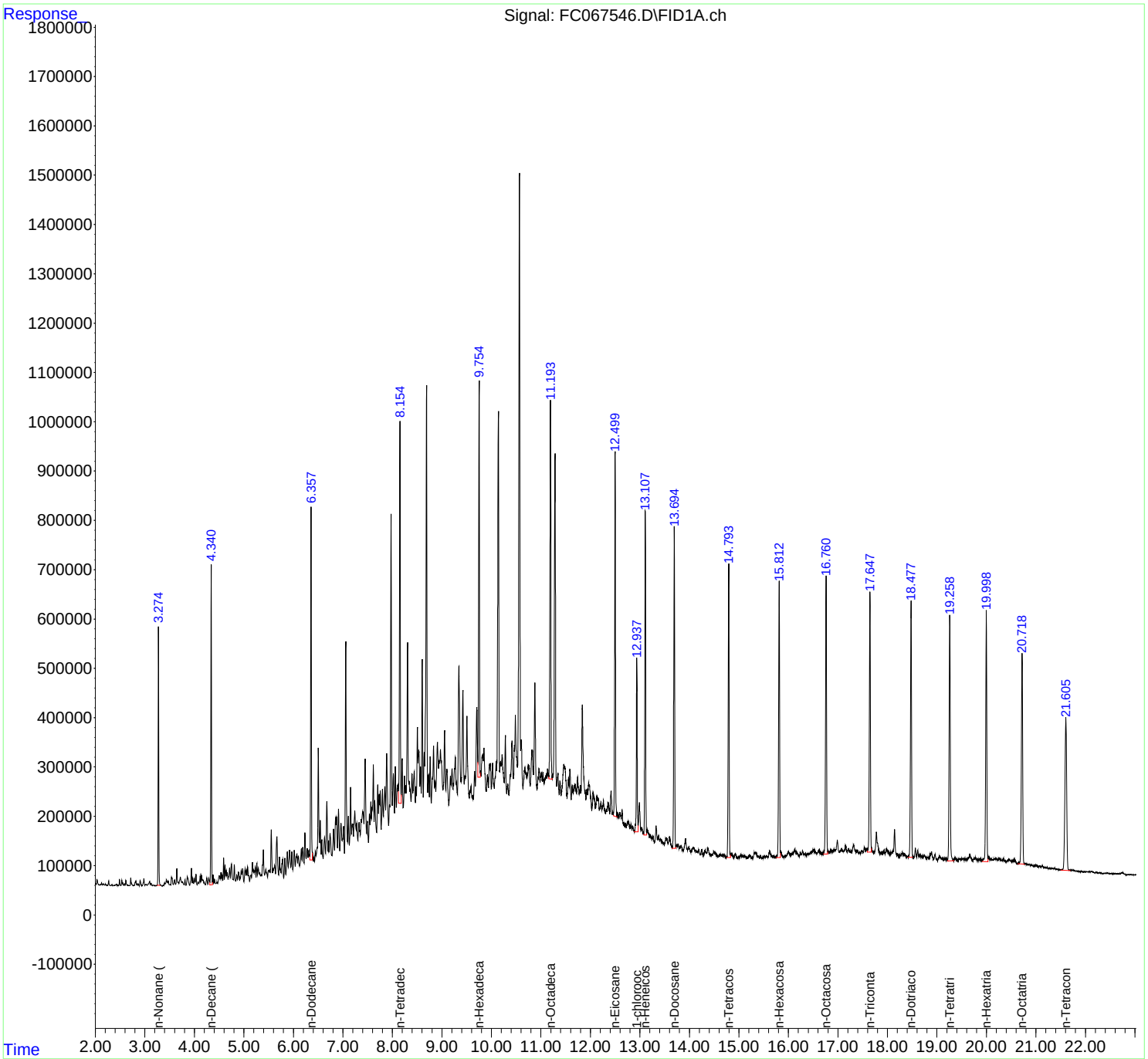
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067546.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 17:03
Operator : YP/AJ
Sample : P4518-05MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:43:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067546.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 17:03
Sample : P4518-05MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.168	3.154	3.185	PH	-26831	-498064	-1.88%	-0.042%
2	3.193	3.185	3.206	PV	-16064	-180546	-0.68%	-0.015%
3	3.221	3.206	3.232	PV	510	4197	0.02%	0.000%
4	3.274	3.232	3.309	VV	525289	4588595	17.28%	0.389%
5	3.319	3.309	3.350	VV	2114	24092	0.09%	0.002%
6	3.371	3.350	3.380	PV	1305	12057	0.05%	0.001%
7	3.397	3.380	3.409	VV	6095	60058	0.23%	0.005%
8	3.435	3.409	3.461	VV	12693	229378	0.86%	0.019%
9	3.474	3.461	3.496	VV	9491	118382	0.45%	0.010%
10	3.510	3.496	3.520	VV	2819	28763	0.11%	0.002%
11	3.539	3.520	3.574	VV	17393	303842	1.14%	0.026%
12	3.600	3.574	3.620	VV	11916	174923	0.66%	0.015%
13	3.645	3.620	3.687	VV	34630	468019	1.76%	0.040%
14	3.717	3.687	3.792	VV	17516	503516	1.90%	0.043%
15	3.810	3.792	3.830	VV	11593	110743	0.42%	0.009%
16	3.858	3.830	3.904	VV	17847	353705	1.33%	0.030%
17	3.940	3.904	3.956	PV	34843	406396	1.53%	0.034%
18	3.968	3.956	3.985	VV	15005	160599	0.60%	0.014%
19	4.001	3.985	4.017	VV	14421	175907	0.66%	0.015%
20	4.034	4.017	4.055	VV	22633	240391	0.91%	0.020%
21	4.075	4.055	4.089	VV	6761	86251	0.32%	0.007%
22	4.117	4.089	4.129	VV	18869	235415	0.89%	0.020%
23	4.144	4.129	4.193	VV	20497	418294	1.58%	0.035%
24	4.200	4.193	4.223	VV	5876	57340	0.22%	0.005%
25	4.252	4.223	4.271	VV	15002	205741	0.77%	0.017%
26	4.292	4.271	4.313	VV	14393	212769	0.80%	0.018%
27	4.340	4.313	4.364	VV	652179	6097226	22.97%	0.517%
28	4.378	4.364	4.394	VV	21041	210857	0.79%	0.018%
29	4.407	4.394	4.431	VV	11742	151631	0.57%	0.013%
30	4.456	4.431	4.469	VV	5554	93301	0.35%	0.008%
31	4.502	4.469	4.520	VV	18506	381718	1.44%	0.032%
32	4.536	4.520	4.550	VV	25562	331982	1.25%	0.028%
33	4.562	4.550	4.576	VV	20355	247081	0.93%	0.021%
34	4.592	4.576	4.606	VV	55259	548587	2.07%	0.047%
35	4.620	4.606	4.633	VV	40979	451633	1.70%	0.038%
36	4.645	4.633	4.658	VV	29607	360675	1.36%	0.031%

rteres

37	4.667	4.658	4.681	VV	25074	256643	0.97%	0.022%
38	4.712	4.681	4.728	VV	34215	609698	2.30%	0.052%
39	4.750	4.728	4.788	VV	42714	843647	3.18%	0.072%
40	4.808	4.788	4.834	VV	40817	545585	2.06%	0.046%
41	4.858	4.834	4.872	VV	19371	292253	1.10%	0.025%
42	4.892	4.872	4.912	VV	25616	447894	1.69%	0.038%
43	4.922	4.912	4.930	VV	15277	139796	0.53%	0.012%
44	4.976	4.930	5.000	VV	33326	910761	3.43%	0.077%
45	5.026	5.000	5.041	VV	32285	531700	2.00%	0.045%
46	5.053	5.041	5.063	VV	29475	317512	1.20%	0.027%
47	5.077	5.063	5.116	VV	36328	682239	2.57%	0.058%
48	5.141	5.116	5.154	VV	18999	342950	1.29%	0.029%
49	5.173	5.154	5.204	VV	44782	876120	3.30%	0.074%
50	5.231	5.204	5.246	VV	35830	689959	2.60%	0.059%
51	5.262	5.246	5.277	VV	42879	543859	2.05%	0.046%
52	5.292	5.277	5.339	VV	33264	904000	3.41%	0.077%
53	5.352	5.339	5.360	VV	19801	232701	0.88%	0.020%
54	5.394	5.360	5.420	VV	70057	1333088	5.02%	0.113%
55	5.444	5.420	5.479	VV	30899	808901	3.05%	0.069%
56	5.498	5.479	5.508	VV	28743	421180	1.59%	0.036%
57	5.518	5.508	5.531	VV	28598	380343	1.43%	0.032%
58	5.554	5.531	5.579	VV	109587	1644742	6.20%	0.140%
59	5.588	5.579	5.596	VV	30707	291925	1.10%	0.025%
60	5.621	5.596	5.640	VV	38364	830495	3.13%	0.070%
61	5.667	5.640	5.702	VV	96521	2009554	7.57%	0.170%
62	5.721	5.702	5.751	VV	55342	1001007	3.77%	0.085%
63	5.782	5.751	5.805	VV	50691	1111175	4.19%	0.094%
64	5.828	5.805	5.848	VV	52876	811797	3.06%	0.069%
65	5.878	5.848	5.897	VV	65698	1259616	4.74%	0.107%
66	5.924	5.897	5.950	VV	68722	1599214	6.02%	0.136%
67	5.970	5.950	5.989	VV	65212	1053351	3.97%	0.089%
68	6.018	5.989	6.039	VV	68373	1449955	5.46%	0.123%
69	6.071	6.039	6.086	VV	60854	1442272	5.43%	0.122%
70	6.102	6.086	6.123	VV	56164	1080080	4.07%	0.092%
71	6.161	6.123	6.175	VV	71389	1588413	5.98%	0.135%
72	6.190	6.175	6.215	VV	73471	1437371	5.41%	0.122%
73	6.235	6.215	6.258	VV	103911	1815704	6.84%	0.154%
74	6.281	6.258	6.297	VV	70854	1435901	5.41%	0.122%
75	6.309	6.297	6.330	VV	66900	1210678	4.56%	0.103%
76	6.358	6.330	6.405	VV	765622	9657111	36.38%	0.819%
77	6.416	6.405	6.428	VV	53821	708319	2.67%	0.060%
78	6.446	6.428	6.458	VV	66211	1028275	3.87%	0.087%
79	6.505	6.458	6.528	VV	273810	4960533	18.68%	0.421%
80	6.543	6.528	6.563	VV	127376	2042131	7.69%	0.173%
81	6.575	6.563	6.601	VV	88646	1521692	5.73%	0.129%
82	6.630	6.601	6.650	VV	93765	2216641	8.35%	0.188%
83	6.677	6.650	6.701	VV	165620	3229868	12.17%	0.274%
84	6.712	6.701	6.724	VV	86509	1060069	3.99%	0.090%
85	6.742	6.724	6.781	VV	101214	2649120	9.98%	0.225%
86	6.813	6.781	6.832	VV	109868	2491707	9.39%	0.211%
87	6.854	6.832	6.864	VV	132764	2055692	7.74%	0.174%
88	6.873	6.864	6.892	VV	135193	1880135	7.08%	0.159%
89	6.913	6.892	6.938	VV	149775	2833571	10.67%	0.240%

90	6.963	6.938	6.986	VV	121341	2799129	10.54%	0.237%
91	7.013	6.986	7.033	VV	115480	2587666	9.75%	0.219%
92	7.059	7.033	7.094	VV	490063	7788629	29.34%	0.661%
93	7.112	7.094	7.132	VV	135840	2342868	8.82%	0.199%
94	7.157	7.132	7.174	VV	194930	3322125	12.51%	0.282%
95	7.198	7.174	7.215	VV	118486	2678925	10.09%	0.227%
96	7.242	7.215	7.268	VV	146355	3869349	14.57%	0.328%
97	7.280	7.268	7.302	VV	121650	2233640	8.41%	0.189%
98	7.327	7.302	7.353	VV	122433	3289437	12.39%	0.279%
99	7.402	7.353	7.425	VV	144067	5493918	20.69%	0.466%
100	7.451	7.425	7.479	VV	249862	5564630	20.96%	0.472%
101	7.494	7.479	7.518	VV	123389	2467071	9.29%	0.209%
102	7.538	7.518	7.550	VV	139592	2254361	8.49%	0.191%
103	7.566	7.550	7.579	VV	162660	2421314	9.12%	0.205%
104	7.616	7.579	7.632	VV	236689	5429091	20.45%	0.460%
105	7.645	7.632	7.681	VV	165682	3975910	14.98%	0.337%
106	7.705	7.681	7.721	VV	198781	3638459	13.70%	0.309%
107	7.735	7.721	7.746	VV	179484	2540106	9.57%	0.215%
108	7.756	7.746	7.775	VV	184712	2576047	9.70%	0.219%
109	7.800	7.775	7.819	VV	187831	3966643	14.94%	0.336%
110	7.848	7.819	7.865	VV	194138	4665909	17.58%	0.396%
111	7.886	7.865	7.925	VV	259838	6581828	24.79%	0.558%
112	7.974	7.925	7.999	VV	741316	12845069	48.38%	1.090%
113	8.021	7.999	8.043	VV	220037	4946012	18.63%	0.420%
114	8.061	8.043	8.081	VV	235513	4258641	16.04%	0.361%
115	8.111	8.081	8.124	VV	196704	4746881	17.88%	0.403%
116	8.154	8.124	8.179	VV	936861	14216042	53.55%	1.206%
117	8.198	8.179	8.221	VV	249390	4959301	18.68%	0.421%
118	8.245	8.221	8.280	VV	214695	6554240	24.69%	0.556%
119	8.308	8.280	8.378	VV	485200	14568120	54.87%	1.236%
120	8.397	8.378	8.414	VV	218286	4271304	16.09%	0.362%
121	8.441	8.414	8.464	VV	222528	5966378	22.47%	0.506%
122	8.478	8.464	8.487	VV	192894	2436844	9.18%	0.207%
123	8.507	8.487	8.520	VV	311302	4919969	18.53%	0.417%
124	8.536	8.520	8.556	VV	265739	5343812	20.13%	0.453%
125	8.570	8.556	8.583	VV	233131	3399401	12.80%	0.288%
126	8.603	8.583	8.625	VV	449044	7469044	28.13%	0.634%
127	8.691	8.625	8.714	VV	1007480	21298757	80.23%	1.807%
128	8.731	8.714	8.748	VV	216709	4017163	15.13%	0.341%
129	8.765	8.748	8.787	VV	253662	4907934	18.49%	0.416%
130	8.833	8.787	8.852	VV	276536	8275587	31.17%	0.702%
131	8.862	8.852	8.878	VV	203284	3071070	11.57%	0.260%
132	8.911	8.878	8.934	VV	282786	8137226	30.65%	0.690%
133	8.973	8.934	9.022	VV	267669	12427760	46.81%	1.054%
134	9.056	9.022	9.079	VV	305911	7865014	29.63%	0.667%
135	9.101	9.079	9.144	VV	226151	7617222	28.69%	0.646%
136	9.174	9.144	9.186	VV	212856	4715569	17.76%	0.400%
137	9.207	9.186	9.224	VV	229086	4805306	18.10%	0.408%
138	9.271	9.224	9.313	VV	251247	11192656	42.16%	0.949%
139	9.344	9.313	9.385	VV	434399	12663294	47.70%	1.074%
140	9.425	9.385	9.452	VV	385960	10666397	40.18%	0.905%
141	9.507	9.452	9.551	VV	332984	13615348	51.28%	1.155%

142	9.589	9.551	9.620	VV	192158	7515585	28.31%	0.637%
143	9.663	9.620	9.678	VV	221925	6557706	24.70%	0.556%
144	9.705	9.678	9.728	VV	350787	8375353	31.55%	0.710%
145	9.753	9.728	9.791	VV	1014199	17303044	65.18%	1.468%
146	9.827	9.791	9.840	VV	257142	7123612	26.83%	0.604%
147	9.852	9.840	9.898	VV	268000	7752502	29.20%	0.658%
148	9.921	9.898	9.940	VV	214168	5062882	19.07%	0.429%
149	9.979	9.940	10.002	VV	239421	8163598	30.75%	0.692%
150	10.025	10.002	10.061	VV	238402	7325471	27.59%	0.621%
151	10.098	10.061	10.107	VV	238032	5949085	22.41%	0.505%
152	10.142	10.107	10.169	VV	936149	19387976	73.03%	1.644%
153	10.186	10.169	10.201	VV	240240	4465793	16.82%	0.379%
154	10.219	10.201	10.261	VV	254338	8188251	30.84%	0.695%
155	10.284	10.261	10.309	VV	292231	6610372	24.90%	0.561%
156	10.328	10.309	10.355	VV	196529	5053935	19.04%	0.429%
157	10.417	10.355	10.445	VV	283917	12153488	45.78%	1.031%
158	10.487	10.445	10.526	VV	333801	12771747	48.11%	1.083%
159	10.568	10.526	10.593	VV	1434147	26548519	100.00%	2.252%
160	10.604	10.593	10.637	VV	285032	6415061	24.16%	0.544%
161	10.676	10.637	10.714	VV	226549	9841132	37.07%	0.835%
162	10.748	10.714	10.785	VV	232476	9187791	34.61%	0.779%
163	10.822	10.785	10.849	VV	262528	9008895	33.93%	0.764%
164	10.880	10.849	10.920	VV	399169	11376050	42.85%	0.965%
165	10.961	10.920	10.984	VV	225491	7978336	30.05%	0.677%
166	11.014	10.984	11.034	VV	216801	6298540	23.72%	0.534%
167	11.042	11.034	11.068	VV	215325	4105860	15.47%	0.348%
168	11.136	11.068	11.157	VV	224803	11278007	42.48%	0.957%
169	11.194	11.157	11.229	VV	968510	18398017	69.30%	1.561%
170	11.286	11.229	11.321	VV	853524	20945026	78.89%	1.777%
171	11.344	11.321	11.369	VV	214240	5722936	21.56%	0.485%
172	11.386	11.369	11.410	VV	201112	4523196	17.04%	0.384%
173	11.461	11.410	11.527	VV	232726	14466678	54.49%	1.227%
174	11.558	11.527	11.569	VV	206639	4799893	18.08%	0.407%
175	11.588	11.569	11.611	VV	222928	4940916	18.61%	0.419%
176	11.632	11.611	11.653	VV	189020	4501236	16.95%	0.382%
177	11.693	11.653	11.720	VV	192225	7416027	27.93%	0.629%
178	11.742	11.720	11.772	VV	208228	5930365	22.34%	0.503%
179	11.797	11.772	11.809	VV	191841	4076127	15.35%	0.346%
180	11.837	11.809	11.910	VV	354120	13722114	51.69%	1.164%
181	11.929	11.910	11.948	VV	180196	4005317	15.09%	0.340%
182	11.965	11.948	12.028	VV	196942	8417883	31.71%	0.714%
183	12.055	12.028	12.104	VV	174006	7325716	27.59%	0.621%
184	12.132	12.104	12.152	VV	167756	4562033	17.18%	0.387%
185	12.158	12.152	12.183	VV	164961	2898930	10.92%	0.246%
186	12.212	12.183	12.228	VV	153711	3953347	14.89%	0.335%
187	12.262	12.228	12.307	VV	159953	6915025	26.05%	0.587%
188	12.358	12.307	12.391	VV	156015	7158394	26.96%	0.607%
189	12.417	12.391	12.463	VV	175746	6488465	24.44%	0.550%
190	12.498	12.463	12.541	VV	863895	15141745	57.03%	1.284%
191	12.556	12.541	12.574	VV	134660	2587880	9.75%	0.220%
192	12.593	12.574	12.621	VV	133370	3581122	13.49%	0.304%
193	12.639	12.621	12.695	VV	140352	5327114	20.07%	0.452%
194	12.710	12.695	12.727	VV	111865	2135397	8.04%	0.181%

195	12.759	12.727	12.799	VV	117215	4765096	17.95%	0.404%
196	12.820	12.799	12.837	VV	111216	2448243	9.22%	0.208%
197	12.854	12.837	12.891	VV	106500	3287906	12.38%	0.279%
198	12.937	12.891	12.964	VV	446733	8560797	32.25%	0.726%
199	12.988	12.964	13.022	VV	153165	4306620	16.22%	0.365%
200	13.039	13.022	13.063	VV	102120	2407418	9.07%	0.204%
201	13.108	13.063	13.136	VV	745378	12033198	45.33%	1.021%
202	13.152	13.136	13.250	VV	99193	6085319	22.92%	0.516%
203	13.266	13.250	13.293	VV	86187	2087547	7.86%	0.177%
204	13.326	13.293	13.358	VV	105331	3421792	12.89%	0.290%
205	13.375	13.358	13.400	VV	86259	2077203	7.82%	0.176%
206	13.413	13.400	13.488	VV	80320	3945624	14.86%	0.335%
207	13.527	13.488	13.572	VV	81350	3827465	14.42%	0.325%
208	13.600	13.572	13.654	VV	84937	3590210	13.52%	0.305%
209	13.693	13.654	13.724	VV	714637	10705633	40.32%	0.908%
210	13.742	13.724	13.761	VV	67671	1433773	5.40%	0.122%
211	13.772	13.761	13.794	VV	69655	1300331	4.90%	0.110%
212	13.832	13.794	13.858	VV	65517	2387192	8.99%	0.202%
213	13.867	13.858	13.878	VV	57481	666019	2.51%	0.056%
214	13.921	13.878	13.964	VV	80638	3403634	12.82%	0.289%
215	13.983	13.964	14.024	VV	62917	2124464	8.00%	0.180%
216	14.077	14.024	14.173	VV	61802	5002716	18.84%	0.424%
217	14.189	14.173	14.227	VV	57422	1689208	6.36%	0.143%
218	14.248	14.227	14.280	VV	57606	1613384	6.08%	0.137%
219	14.316	14.280	14.351	VV	55628	2175703	8.20%	0.185%
220	14.375	14.351	14.432	VV	60845	2514039	9.47%	0.213%
221	14.493	14.432	14.514	VV	53899	2391918	9.01%	0.203%
222	14.525	14.514	14.581	VV	50033	1852763	6.98%	0.157%
223	14.627	14.581	14.655	VV	47471	1972741	7.43%	0.167%
224	14.667	14.655	14.677	VV	45804	601911	2.27%	0.051%
225	14.693	14.677	14.738	VV	46377	1588299	5.98%	0.135%
226	14.793	14.738	14.844	VV	643525	10531763	39.67%	0.893%
227	14.864	14.844	14.891	VV	47802	1244377	4.69%	0.106%
228	14.930	14.891	14.971	VV	47372	2053086	7.73%	0.174%
229	14.990	14.971	15.003	VV	42798	791422	2.98%	0.067%
230	15.043	15.003	15.091	VV	45500	2228764	8.40%	0.189%
231	15.115	15.091	15.165	VV	43464	1860903	7.01%	0.158%
232	15.176	15.165	15.184	VV	39644	431335	1.62%	0.037%
233	15.216	15.184	15.285	VV	44860	2503079	9.43%	0.212%
234	15.310	15.285	15.414	VV	50410	3466997	13.06%	0.294%
235	15.433	15.414	15.468	VV	43935	1287037	4.85%	0.109%
236	15.486	15.468	15.498	VV	39317	711602	2.68%	0.060%
237	15.522	15.498	15.541	VV	42464	1044427	3.93%	0.089%
238	15.563	15.541	15.584	VV	41999	1064429	4.01%	0.090%
239	15.620	15.584	15.678	VV	52797	2533471	9.54%	0.215%
240	15.695	15.678	15.738	VV	42456	1453081	5.47%	0.123%
241	15.812	15.738	15.841	VV	593722	10249107	38.61%	0.869%
242	15.850	15.841	15.881	VV	51566	1098351	4.14%	0.093%
243	15.896	15.881	15.907	VV	40868	629722	2.37%	0.053%
244	15.931	15.907	15.948	VV	42680	1009484	3.80%	0.086%
245	16.000	15.948	16.027	VV	50056	2161436	8.14%	0.183%
246	16.042	16.027	16.056	VV	46549	779868	2.94%	0.066%

rteres

247	16.066	16.056	16.071	VV	46394	407487	1.53%	0.035%
248	16.123	16.071	16.151	VV	54462	2359462	8.89%	0.200%
249	16.164	16.151	16.218	VV	49695	1823967	6.87%	0.155%
250	16.248	16.218	16.261	VV	47434	1171770	4.41%	0.099%
251	16.288	16.261	16.310	VV	50769	1368126	5.15%	0.116%
252	16.332	16.310	16.361	VV	45379	1356659	5.11%	0.115%
253	16.379	16.361	16.395	VV	45936	889306	3.35%	0.075%
254	16.453	16.395	16.468	VV	50031	2035485	7.67%	0.173%
255	16.519	16.468	16.581	VV	54267	3370609	12.70%	0.286%
256	16.620	16.581	16.665	VV	52528	2453276	9.24%	0.208%
257	16.682	16.665	16.691	VV	46174	721723	2.72%	0.061%
258	16.760	16.691	16.829	VV	610221	11663438	43.93%	0.989%
259	16.854	16.829	16.904	VV	51156	2238740	8.43%	0.190%
260	16.928	16.904	16.948	VV	53188	1395176	5.26%	0.118%
261	16.988	16.948	17.026	VV	72442	2690767	10.14%	0.228%
262	17.076	17.026	17.100	VV	55282	2273412	8.56%	0.193%
263	17.156	17.100	17.187	VV	61585	2772211	10.44%	0.235%
264	17.209	17.187	17.258	VV	53506	2161173	8.14%	0.183%
265	17.264	17.258	17.283	VV	49951	733805	2.76%	0.062%
266	17.314	17.283	17.428	VV	62407	4482988	16.89%	0.380%
267	17.435	17.428	17.442	VV	46616	393171	1.48%	0.033%
268	17.447	17.442	17.464	VV	46793	612694	2.31%	0.052%
269	17.485	17.464	17.508	VV	51318	1255743	4.73%	0.107%
270	17.531	17.508	17.554	VV	57632	1443815	5.44%	0.122%
271	17.576	17.554	17.594	VV	54315	1269453	4.78%	0.108%
272	17.646	17.594	17.734	VV	581639	11707256	44.10%	0.993%
273	17.777	17.734	17.857	VV	87213	4323298	16.28%	0.367%
274	17.875	17.857	17.901	VV	46709	1189028	4.48%	0.101%
275	17.931	17.901	17.952	VV	48942	1397663	5.26%	0.119%
276	17.977	17.952	18.044	VV	53572	2642980	9.96%	0.224%
277	18.065	18.044	18.078	VV	46109	898238	3.38%	0.076%
278	18.143	18.078	18.194	VV	91942	3770546	14.20%	0.320%
279	18.207	18.194	18.238	VV	43009	1058087	3.99%	0.090%
280	18.254	18.238	18.271	VV	40081	776340	2.92%	0.066%
281	18.297	18.271	18.321	VV	44945	1253586	4.72%	0.106%
282	18.337	18.321	18.390	VV	43444	1668440	6.28%	0.142%
283	18.477	18.390	18.535	VV	555590	10708977	40.34%	0.908%
284	18.564	18.535	18.588	VV	53800	1395296	5.26%	0.118%
285	18.612	18.588	18.635	VV	49374	1170235	4.41%	0.099%
286	18.662	18.635	18.681	VV	39659	1057973	3.99%	0.090%
287	18.695	18.681	18.718	VV	37215	797023	3.00%	0.068%
288	18.743	18.718	18.838	VV	39018	2539184	9.56%	0.215%
289	18.892	18.838	18.941	VV	45800	2319372	8.74%	0.197%
290	18.963	18.941	19.006	VV	40922	1325136	4.99%	0.112%
291	19.062	19.006	19.146	VV	37168	2728266	10.28%	0.231%
292	19.168	19.146	19.215	VV	32245	1247378	4.70%	0.106%
293	19.258	19.215	19.343	VV	522413	10111422	38.09%	0.858%
294	19.369	19.343	19.424	VV	35030	1475442	5.56%	0.125%
295	19.465	19.424	19.484	VV	31363	1088389	4.10%	0.092%
296	19.530	19.484	19.609	VV	32841	2252507	8.48%	0.191%
297	19.634	19.609	19.643	VV	32810	656364	2.47%	0.056%
298	19.666	19.643	19.720	VV	39299	1503349	5.66%	0.128%
299	19.776	19.720	19.811	VV	33250	1655064	6.23%	0.140%

rteres

300	19.830	19.811	19.864	VV	30113	911443	3.43%	0.077%
301	19.885	19.864	19.914	VV	29850	854571	3.22%	0.072%
302	19.997	19.914	20.033	VV	530162	9488940	35.74%	0.805%
303	20.050	20.033	20.150	VV	33587	2091371	7.88%	0.177%
304	20.171	20.150	20.209	VV	30784	1046913	3.94%	0.089%
305	20.218	20.209	20.229	VV	29470	342246	1.29%	0.029%
306	20.256	20.229	20.318	VV	29422	1496906	5.64%	0.127%
307	20.346	20.318	20.407	VV	29563	1424356	5.37%	0.121%
308	20.445	20.407	20.547	VV	27864	2170592	8.18%	0.184%
309	20.574	20.547	20.626	VV	26605	1128154	4.25%	0.096%
310	20.720	20.626	20.774	VV	439979	9289711	34.99%	0.788%
311	20.787	20.774	20.835	VV	19350	660596	2.49%	0.056%
312	20.844	20.835	20.891	VV	17738	575622	2.17%	0.049%
313	20.911	20.891	20.987	VV	16870	874815	3.30%	0.074%
314	20.999	20.987	21.052	VV	15337	554851	2.09%	0.047%
315	21.062	21.052	21.103	VV	13448	402810	1.52%	0.034%
316	21.131	21.103	21.211	VV	13882	764709	2.88%	0.065%
317	21.218	21.211	21.241	VV	10895	183436	0.69%	0.016%
318	21.256	21.241	21.271	VV	9979	173767	0.65%	0.015%
319	21.277	21.271	21.318	VV	9362	248722	0.94%	0.021%
320	21.323	21.318	21.332	VV	8641	73115	0.28%	0.006%
321	21.341	21.332	21.371	VV	8799	200874	0.76%	0.017%
322	21.377	21.371	21.454	VV	9388	376681	1.42%	0.032%
323	21.463	21.454	21.540	VV	6794	308054	1.16%	0.026%
324	21.605	21.540	21.714	VV	313360	8044611	30.30%	0.682%
325	21.722	21.714	21.731	VV	5120	45565	0.17%	0.004%
326	21.734	21.731	21.742	VV	4921	30222	0.11%	0.003%
327	21.748	21.742	21.861	VV	4572	225140	0.85%	0.019%
328	21.876	21.861	21.918	VV	2628	59870	0.23%	0.005%
329	21.920	21.918	21.961	VV	2027	32758	0.12%	0.003%
330	21.991	21.961	22.009	VV	1594	30484	0.11%	0.003%
331	22.026	22.009	22.045	VV	1425	21494	0.08%	0.002%
332	22.063	22.045	22.101	VBA	1424	64503	0.24%	0.005%

Sum of corrected areas: 1178959409

Aliphatic EPH 102324.M Wed Oct 30 03:57:48 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:	EX-5-TPH-5MS		SDG No.:	P4518	
Lab Sample ID:	P4518-05MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048607.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	15.4		0.41	0.90	mg/kg
Aromatic C12-C16	Aromatic C12-C16	85.4	E	0.46	1.35	mg/kg
Aromatic C16-C21	Aromatic C16-C21	255	E	1.30	2.25	mg/kg
Aromatic C21-C36	Aromatic C21-C36	90.4	E	2.70	3.61	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.9		40 - 140	128%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.4		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-05MS	Acq On:	28 Oct 2024 16:27
Client Sample ID:	P4518-05MS	Operator:	YP/AJ
Data file:	FD048607.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	30113921	170.905	200	ug/ml
Aromatic C12-C16	5.813	8.417	167837858	946.774	300	ug/ml
Aromatic C16-C21	8.418	12.677	464910174	2840	500	ug/ml
Aromatic C21-C36	12.678	18.081	153097075	1000	800	ug/ml
Aromatic EPH	4.094	18.081	815959028	4960		ug/ml
2-Bromonaphthalene (SURR)	7.374	7.374	9693084	63.86		ug/ml
2-Flurobiphenyl (SURR)	8.226	8.226	5737547	58.43		ug/ml
ortho-Terphenyl (SURR)	11.263	11.263	6064486	35.6		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048607.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 16:27
Operator : YP/AJ
Sample : P4518-05MS
Misc :
ALS Vial : 70 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:37:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.374	9693084	63.863 ug/mlm
Spiked Amount	50.000		Recovery =	127.73%
6) S	2-Flurobiphenyl (SURR)	8.226	5737547	58.432 ug/mlm
Spiked Amount	50.000 Range	0 - 131	Recovery =	116.86%
11) S	ortho-Terphenyl (SURR)	11.263	6064486	35.602 ug/mlm
Spiked Amount	50.000		Recovery =	71.20%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.196	7927685	45.569 ug/mlm
2) T	Naphthalene (C11.7)	5.714	9959547	55.816 ug/mlm
3) T	2-Methylnaphthalene (...	6.764	14275643	79.812 ug/ml
5) T	Acenaphthylene (C15.06)	8.032	14845173	84.544 ug/mlm
7) T	Acenaphthene (C15.5)	8.327	11960617	67.436 ug/mlm
8) T	Flouorene (C16.55)	9.109	13189064	78.025 ug/mlm
9) T	Phenanthrene (C19.36)	10.499	13677824	82.743 ug/mlm
10) T	Anthracene (C19.43)	10.572	11666821	72.959 ug/mlm
12) T	Fluoranthene (C21.85)	12.301	12086525	73.440 ug/mlm
13) T	Pyrene (C20.8)	12.594	11268384	69.956 ug/mlm
14) T	Benzo[a]anthracene (C...	14.460	9699129	66.334 ug/mlm
15) T	Chrysene (C27.41)	14.503	9884118	60.089 ug/ml
16) T	benzo[b]fluoranthene ...	16.008	9660357	63.543 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.043	9174125	61.037 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.384	9154091	60.826 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.751	9799594	75.105 ug/ml
20) T	Dibenz[a,h]anthracene...	17.789	8906597	54.731 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.004	8814435	57.576 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048607.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 16:27
Operator : YP/AJ
Sample : P4518-05MS
Misc :
ALS Vial : 70 Sample Multiplier: 1

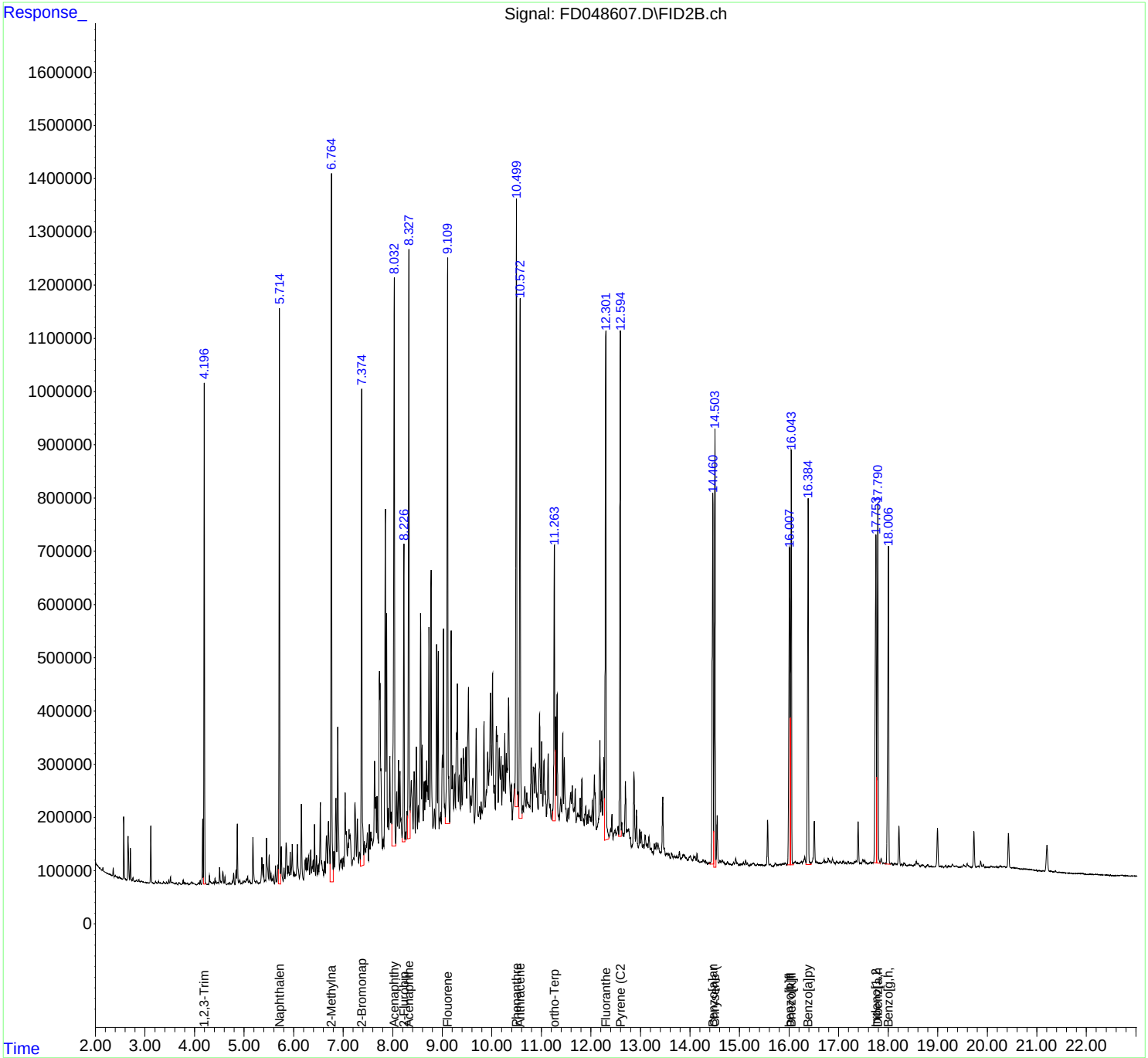
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:37:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048607.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 16:27
Sample : P4518-05MS
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.165	4.137	4.178	VV	124682	1073583	5.72%	0.128%
2	4.196	4.178	4.249	VV	943237	8014104	42.69%	0.957%
3	4.275	4.249	4.284	VV	1440	19674	0.10%	0.002%
4	4.302	4.284	4.320	VV	17905	186579	0.99%	0.022%
5	4.325	4.320	4.341	VV	5295	55342	0.29%	0.007%
6	4.351	4.341	4.367	VV	4258	54613	0.29%	0.007%
7	4.386	4.367	4.399	VV	5504	71193	0.38%	0.009%
8	4.413	4.399	4.426	VV	12705	118145	0.63%	0.014%
9	4.435	4.426	4.452	VV	6700	72236	0.38%	0.009%
10	4.466	4.452	4.474	VV	4812	53528	0.29%	0.006%
11	4.482	4.474	4.491	VV	5412	48668	0.26%	0.006%
12	4.507	4.491	4.524	VV	32946	316441	1.69%	0.038%
13	4.532	4.524	4.545	VV	7158	73407	0.39%	0.009%
14	4.572	4.545	4.597	VV	24697	377231	2.01%	0.045%
15	4.615	4.597	4.648	VV	15706	183488	0.98%	0.022%
16	4.679	4.648	4.693	PV	3430	46625	0.25%	0.006%
17	4.708	4.693	4.725	VV	4794	51520	0.27%	0.006%
18	4.735	4.725	4.745	VV	2082	19722	0.11%	0.002%
19	4.765	4.745	4.774	VV	6306	66448	0.35%	0.008%
20	4.790	4.774	4.816	VV	22178	236756	1.26%	0.028%
21	4.837	4.816	4.848	VV	28382	255039	1.36%	0.030%
22	4.863	4.848	4.886	VV	114187	1056489	5.63%	0.126%
23	4.895	4.886	4.904	VV	6675	61320	0.33%	0.007%
24	4.915	4.904	4.932	VV	9053	91259	0.49%	0.011%
25	4.952	4.932	4.962	VV	2825	37243	0.20%	0.004%
26	4.981	4.962	4.995	VV	7128	95272	0.51%	0.011%
27	5.010	4.995	5.029	VV	6972	111062	0.59%	0.013%
28	5.047	5.029	5.059	VV	10430	141621	0.75%	0.017%
29	5.072	5.059	5.088	VV	15805	173275	0.92%	0.021%
30	5.112	5.088	5.124	VV	7498	113404	0.60%	0.014%
31	5.130	5.124	5.143	VV	4365	33655	0.18%	0.004%
32	5.154	5.143	5.160	VV	2638	20712	0.11%	0.002%
33	5.179	5.160	5.219	VV	88895	1039609	5.54%	0.124%
34	5.224	5.219	5.238	VV	5699	52739	0.28%	0.006%
35	5.255	5.238	5.289	VV	6738	123901	0.66%	0.015%
36	5.304	5.289	5.316	VV	3125	37079	0.20%	0.004%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
37	5.361	5.316	5.381	VV	50224	748077	3.98%	0.089%
38	5.393	5.381	5.411	VV	37980	376700		
39	5.425	5.411	5.436	VV	8344	106734		
40	5.453	5.436	5.491	VV	86603	1252756		
41	5.506	5.491	5.524	VV	55312	547625		
42	5.543	5.524	5.559	VV	21025	261558		
43	5.569	5.559	5.576	VV	9198	82217	0.44%	0.010%
44	5.589	5.576	5.613	VV	15785	176006	0.94%	0.021%
45	5.636	5.613	5.658	PV	34594	352223	1.88%	0.042%
46	5.687	5.658	5.693	VV	36161	381686	2.03%	0.046%
47	5.714	5.693	5.736	VV	1078965	9984945	53.19%	1.193%
48	5.752	5.736	5.789	VV	69771	887524	4.73%	0.106%
49	5.807	5.789	5.827	VV	30024	372888	1.99%	0.045%
50	5.849	5.827	5.877	VV	76590	1292070	6.88%	0.154%
51	5.890	5.877	5.917	VV	33967	554921	2.96%	0.066%
52	5.932	5.917	5.947	VV	59603	642276	3.42%	0.077%
53	5.974	5.947	6.000	VV	74037	1143767	6.09%	0.137%
54	6.012	6.000	6.024	VV	21036	252150	1.34%	0.030%
55	6.034	6.024	6.045	VV	17053	193398	1.03%	0.023%
56	6.075	6.045	6.117	VV	73518	1386736	7.39%	0.166%
57	6.158	6.117	6.201	VV	149101	2086732	11.12%	0.249%
58	6.235	6.201	6.249	VV	44010	811496	4.32%	0.097%
59	6.266	6.249	6.281	VV	47866	680669	3.63%	0.081%
60	6.304	6.281	6.323	VV	52125	927156	4.94%	0.111%
61	6.346	6.323	6.363	VV	62391	899551	4.79%	0.107%
62	6.376	6.363	6.381	VV	31355	295004	1.57%	0.035%
63	6.394	6.381	6.408	VV	42474	534580	2.85%	0.064%
64	6.423	6.408	6.444	VV	108999	1179703	6.28%	0.141%
65	6.463	6.444	6.482	VV	52084	714253	3.80%	0.085%
66	6.499	6.482	6.511	VV	33950	439321	2.34%	0.052%
67	6.539	6.511	6.556	VV	151057	1906016	10.15%	0.228%
68	6.564	6.556	6.587	VV	41237	645304	3.44%	0.077%
69	6.591	6.587	6.606	VV	23627	225291	1.20%	0.027%
70	6.623	6.606	6.639	VV	40129	535511	2.85%	0.064%
71	6.664	6.639	6.685	VV	87839	1581201	8.42%	0.189%
72	6.703	6.685	6.736	VV	115462	2225201	11.85%	0.266%
73	6.764	6.736	6.798	VV	1326654	14351826	76.45%	1.714%
74	6.812	6.798	6.828	VV	58587	731900	3.90%	0.087%
75	6.854	6.828	6.872	VV	158438	2482648	13.22%	0.297%
76	6.892	6.872	6.927	VV	291810	4258458	22.68%	0.509%
77	6.949	6.927	6.959	VV	41468	661033	3.52%	0.079%
78	6.968	6.959	6.983	VV	42178	529241	2.82%	0.063%
79	7.000	6.983	7.017	VV	45765	756000	4.03%	0.090%
80	7.041	7.017	7.055	VV	168007	2190647	11.67%	0.262%
81	7.062	7.055	7.086	VV	95534	1397706	7.45%	0.167%
82	7.099	7.086	7.106	VV	74157	794371	4.23%	0.095%
83	7.119	7.106	7.129	VV	98695	1160444	6.18%	0.139%
84	7.138	7.129	7.181	VV	88541	1916147	10.21%	0.229%
85	7.210	7.181	7.219	VV	44764	906562	4.83%	0.108%
86	7.238	7.219	7.270	VV	148703	2964086	15.79%	0.354%
87	7.288	7.270	7.313	VV	118182	1867580	9.95%	0.223%
88	7.331	7.313	7.349	VV	55979	1018753	5.43%	0.122%
89	7.374	7.349	7.416	VV	923612	10896917	58.04%	1.301%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
90	7.429	7.416	7.442	VV	75466	1011859	5.39%	0.121%
91	7.449	7.442	7.456	VV	59521	480255		
92	7.468	7.456	7.474	VV	68759	685225		
93	7.491	7.474	7.512	VV	91800	1599720		
94	7.529	7.512	7.544	VV	107079	1462019		
95	7.559	7.544	7.571	VV	93100	1317880		
96	7.580	7.571	7.594	VV	79834	1044715	5.56%	0.125%
97	7.635	7.594	7.651	VV	225044	4270679	22.75%	0.510%
98	7.659	7.651	7.672	VV	157679	1707060	9.09%	0.204%
99	7.685	7.672	7.711	VV	159325	2550207	13.58%	0.305%
100	7.732	7.711	7.740	VV	394450	4309045	22.95%	0.515%
101	7.745	7.740	7.792	VV	371582	6170031	32.87%	0.737%
102	7.809	7.792	7.822	VV	79002	1270037	6.77%	0.152%
103	7.852	7.822	7.866	VV	698282	8891225	47.36%	1.062%
104	7.878	7.866	7.896	VV	502028	5482948	29.21%	0.655%
105	7.910	7.896	7.924	VV	137456	1940686	10.34%	0.232%
106	7.942	7.924	7.958	VV	234228	3264584	17.39%	0.390%
107	7.969	7.958	7.984	VV	129634	1836649	9.78%	0.219%
108	8.032	7.984	8.061	VV	1132396	17842313	95.04%	2.131%
109	8.082	8.061	8.099	VV	167439	2726536	14.52%	0.326%
110	8.117	8.099	8.131	VV	226886	3070489	16.36%	0.367%
111	8.147	8.131	8.190	VV	205360	4569447	24.34%	0.546%
112	8.227	8.190	8.247	VV	631928	8252059	43.96%	0.986%
113	8.260	8.247	8.270	VV	91084	1152236	6.14%	0.138%
114	8.291	8.270	8.300	VV	130249	1913387	10.19%	0.229%
115	8.327	8.300	8.352	VV	1186260	14459490	77.02%	1.727%
116	8.375	8.352	8.413	VV	187890	5417368	28.86%	0.647%
117	8.434	8.413	8.457	VV	204281	4142340	22.07%	0.495%
118	8.478	8.457	8.502	VV	250362	4533842	24.15%	0.541%
119	8.516	8.502	8.531	VV	140642	2081099	11.09%	0.249%
120	8.564	8.531	8.583	VV	497918	8006383	42.65%	0.956%
121	8.595	8.583	8.618	VV	253108	3773359	20.10%	0.451%
122	8.635	8.618	8.648	VV	185078	2719049	14.48%	0.325%
123	8.663	8.648	8.674	VV	186598	2476072	13.19%	0.296%
124	8.687	8.674	8.699	VV	223782	2888236	15.38%	0.345%
125	8.706	8.699	8.716	VV	177110	1707513	9.10%	0.204%
126	8.734	8.716	8.751	VV	474863	5902010	31.44%	0.705%
127	8.775	8.751	8.813	VV	582331	9378305	49.96%	1.120%
128	8.844	8.813	8.861	VV	133076	3253680	17.33%	0.389%
129	8.888	8.861	8.904	VV	441563	6284722	33.48%	0.751%
130	8.919	8.904	8.938	VV	428224	5024275	26.76%	0.600%
131	8.951	8.938	8.959	VV	115909	1437309	7.66%	0.172%
132	8.971	8.959	8.983	VV	127270	1656490	8.82%	0.198%
133	9.001	8.983	9.008	VV	233204	2678615	14.27%	0.320%
134	9.024	9.008	9.045	VV	471257	6547047	34.87%	0.782%
135	9.051	9.045	9.063	VV	138848	1420215	7.57%	0.170%
136	9.109	9.063	9.152	VV	1166814	18773242	100.00%	2.242%
137	9.181	9.152	9.198	VV	466609	7063018	37.62%	0.844%
138	9.210	9.198	9.233	VV	213637	3624735	19.31%	0.433%
139	9.253	9.233	9.268	VV	197236	3439389	18.32%	0.411%
140	9.288	9.268	9.295	VV	274906	3535586	18.83%	0.422%
141	9.307	9.295	9.329	VV	366372	5275107	28.10%	0.630%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.344	9.329	9.365	VV	195259	3568698	19.01%	0.426%
143	9.384	9.365	9.405	VV	226260	4126706	21	
144	9.426	9.405	9.453	VV	245086	5834685	31	
145	9.478	9.453	9.493	VV	247364	4734147	25	
146	9.530	9.493	9.565	VV	359310	9970042	53	
147	9.579	9.565	9.594	VV	155496	2493004	13	
148	9.619	9.594	9.652	VV	188854	5307437	28.27%	0.634%
149	9.685	9.652	9.731	VV	282121	7750156	41.28%	0.926%
150	9.755	9.731	9.772	VV	134748	3073880	16.37%	0.367%
151	9.787	9.772	9.799	VV	144315	2053031	10.94%	0.245%
152	9.806	9.799	9.811	VV	125208	944308	5.03%	0.113%
153	9.843	9.811	9.867	VV	294592	6133643	32.67%	0.733%
154	9.890	9.867	9.896	VV	166189	2591166	13.80%	0.309%
155	9.919	9.896	9.936	VV	237037	4829974	25.73%	0.577%
156	9.974	9.936	9.997	VV	347163	8965615	47.76%	1.071%
157	10.016	9.997	10.042	VV	384171	6915666	36.84%	0.826%
158	10.053	10.042	10.071	VV	174733	2749993	14.65%	0.328%
159	10.094	10.071	10.105	VV	284753	4528115	24.12%	0.541%
160	10.113	10.105	10.131	VV	267568	3430048	18.27%	0.410%
161	10.152	10.131	10.173	VV	244380	5029608	26.79%	0.601%
162	10.187	10.173	10.203	VV	228318	3461618	18.44%	0.413%
163	10.225	10.203	10.242	VV	211771	4246820	22.62%	0.507%
164	10.263	10.242	10.278	VV	271260	4497077	23.95%	0.537%
165	10.295	10.278	10.307	VV	233875	3450855	18.38%	0.412%
166	10.313	10.307	10.318	VV	206138	1377975	7.34%	0.165%
167	10.340	10.318	10.380	VV	337808	8609011	45.86%	1.028%
168	10.396	10.380	10.415	VV	175006	3066657	16.34%	0.366%
169	10.459	10.415	10.468	VV	176326	4661496	24.83%	0.557%
170	10.499	10.468	10.524	VV	1273289	18162750	96.75%	2.169%
171	10.531	10.524	10.544	VV	159747	1913965	10.20%	0.229%
172	10.573	10.544	10.613	VV	1086735	16220908	86.40%	1.937%
173	10.627	10.613	10.640	VV	135079	2092127	11.14%	0.250%
174	10.667	10.640	10.692	VV	170116	4627414	24.65%	0.553%
175	10.708	10.692	10.722	VV	158674	2650736	14.12%	0.317%
176	10.733	10.722	10.757	VV	141038	2864050	15.26%	0.342%
177	10.798	10.757	10.823	VV	242778	6826251	36.36%	0.815%
178	10.840	10.823	10.868	VV	206195	4929699	26.26%	0.589%
179	10.885	10.868	10.910	VV	211904	4504375	23.99%	0.538%
180	10.915	10.910	10.935	VV	154709	2141574	11.41%	0.256%
181	10.965	10.935	10.993	VV	306512	6903924	36.78%	0.825%
182	11.009	10.993	11.032	VV	253996	4421026	23.55%	0.528%
183	11.055	11.032	11.073	VV	218522	4384655	23.36%	0.524%
184	11.080	11.073	11.103	VV	160086	2554425	13.61%	0.305%
185	11.138	11.103	11.169	VV	230450	6341481	33.78%	0.757%
186	11.177	11.169	11.200	VV	136469	2285375	12.17%	0.273%
187	11.224	11.200	11.229	VV	124181	2006279	10.69%	0.240%
188	11.263	11.229	11.278	VV	622636	9075094	48.34%	1.084%
189	11.287	11.278	11.303	VV	300174	3620952	19.29%	0.432%
190	11.319	11.303	11.343	VV	342239	5042738	26.86%	0.602%
191	11.350	11.343	11.362	VV	114414	1260906	6.72%	0.151%
192	11.393	11.362	11.410	VV	144419	3712240	19.77%	0.443%
193	11.433	11.410	11.450	VV	267510	4432817	23.61%	0.529%
194	11.466	11.450	11.520	VV	223157	6234701	33.21%	0.745%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.541	11.520	11.554	VV	127500	2402210	12.80%	0.287%
196	11.593	11.554	11.610	VV	156457	4507415	24	
197	11.627	11.610	11.649	VV	169572	3398432	18	
198	11.662	11.649	11.669	VV	125945	1479809	7	
199	11.685	11.669	11.703	VV	164278	2708761	14	
200	11.728	11.703	11.739	VV	116819	2371904	12	
201	11.748	11.739	11.770	VV	114753	2108498	11.23%	0.252%
202	11.785	11.770	11.800	VV	145849	2230265	11.88%	0.266%
203	11.819	11.800	11.843	VV	181913	3645948	19.42%	0.435%
204	11.850	11.843	11.865	VV	106071	1339951	7.14%	0.160%
205	11.879	11.865	11.885	VV	115387	1253014	6.67%	0.150%
206	11.898	11.885	11.916	VV	130423	2192093	11.68%	0.262%
207	11.930	11.916	11.943	VV	114354	1690876	9.01%	0.202%
208	11.960	11.943	11.991	VV	123107	3217711	17.14%	0.384%
209	12.001	11.991	12.011	VV	109036	1240228	6.61%	0.148%
210	12.028	12.011	12.053	VV	140856	2887860	15.38%	0.345%
211	12.072	12.053	12.084	VV	188574	2787467	14.85%	0.333%
212	12.089	12.084	12.113	VV	154926	2092101	11.14%	0.250%
213	12.181	12.113	12.201	VV	252688	7041685	37.51%	0.841%
214	12.218	12.201	12.236	VV	158042	2847673	15.17%	0.340%
215	12.262	12.236	12.274	VV	221532	3859905	20.56%	0.461%
216	12.301	12.274	12.365	VV	1023227	15670033	83.47%	1.871%
217	12.371	12.365	12.375	VV	73021	445055	2.37%	0.053%
218	12.398	12.375	12.410	VV	86544	1662893	8.86%	0.199%
219	12.425	12.410	12.448	VV	113166	2053320	10.94%	0.245%
220	12.487	12.448	12.506	VV	83915	2717137	14.47%	0.325%
221	12.518	12.506	12.525	VV	78032	876053	4.67%	0.105%
222	12.550	12.525	12.562	VV	90401	1860696	9.91%	0.222%
223	12.595	12.562	12.614	VV	1023305	13522812	72.03%	1.615%
224	12.625	12.614	12.648	VV	97220	1701578	9.06%	0.203%
225	12.659	12.648	12.669	VV	77358	938354	5.00%	0.112%
226	12.699	12.669	12.719	VV	174630	3394186	18.08%	0.405%
227	12.729	12.719	12.747	VV	84124	1403940	7.48%	0.168%
228	12.763	12.747	12.787	VV	85601	1896531	10.10%	0.227%
229	12.797	12.787	12.820	VV	69247	1211326	6.45%	0.145%
230	12.831	12.820	12.838	VV	54031	579605	3.09%	0.069%
231	12.869	12.838	12.900	VV	191937	3994234	21.28%	0.477%
232	12.920	12.900	12.960	VV	119531	2753047	14.66%	0.329%
233	12.983	12.960	12.998	VV	83064	1489350	7.93%	0.178%
234	13.016	12.998	13.041	VV	78454	1664723	8.87%	0.199%
235	13.057	13.041	13.071	VV	55557	935468	4.98%	0.112%
236	13.094	13.071	13.120	VV	73032	1771875	9.44%	0.212%
237	13.134	13.120	13.153	VV	56692	1064349	5.67%	0.127%
238	13.172	13.153	13.202	VV	69476	1642774	8.75%	0.196%
239	13.219	13.202	13.238	VV	48452	958377	5.11%	0.114%
240	13.248	13.238	13.260	VV	41692	522754	2.78%	0.062%
241	13.280	13.260	13.296	VV	55987	1054845	5.62%	0.126%
242	13.317	13.296	13.335	VV	57813	1181700	6.29%	0.141%
243	13.352	13.335	13.390	VV	57065	1610422	8.58%	0.192%
244	13.396	13.390	13.413	VV	40616	553525	2.95%	0.066%
245	13.450	13.413	13.474	VV	143755	2791354	14.87%	0.333%
246	13.483	13.474	13.505	VV	47662	795323	4.24%	0.095%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.523	13.505	13.536	VV	37466	666581	3.55%	0.080%
248	13.542	13.536	13.545	VV	36867	203559		
249	13.550	13.545	13.562	VV	36887	357355		
250	13.577	13.562	13.603	VV	36575	795911		
251	13.627	13.603	13.664	VV	37845	1176428		
252	13.679	13.664	13.700	VV	32695	670461		
253	13.706	13.700	13.723	VV	30321	405695	2.16%	0.048%
254	13.737	13.723	13.750	VV	32277	485840	2.59%	0.058%
255	13.758	13.750	13.763	VV	28875	226284	1.21%	0.027%
256	13.787	13.763	13.814	VV	40071	986642	5.26%	0.118%
257	13.860	13.814	13.872	VV	34731	1034567	5.51%	0.124%
258	13.883	13.872	13.914	VV	33902	788589	4.20%	0.094%
259	13.926	13.914	13.961	VV	28242	728006	3.88%	0.087%
260	14.007	13.961	14.049	VV	31376	1434863	7.64%	0.171%
261	14.079	14.049	14.090	VV	29973	636142	3.39%	0.076%
262	14.103	14.090	14.121	VV	30670	518258	2.76%	0.062%
263	14.141	14.121	14.159	VV	35373	638758	3.40%	0.076%
264	14.169	14.159	14.192	VV	22595	412301	2.20%	0.049%
265	14.206	14.192	14.212	VV	19162	229425	1.22%	0.027%
266	14.231	14.212	14.245	VV	21004	392788	2.09%	0.047%
267	14.264	14.245	14.287	VV	23753	529999	2.82%	0.063%
268	14.305	14.287	14.358	VV	21850	795534	4.24%	0.095%
269	14.364	14.358	14.371	VV	16608	129290	0.69%	0.015%
270	14.460	14.371	14.477	VV	709734	10640772	56.68%	1.271%
271	14.503	14.477	14.524	VV	833530	10142231	54.02%	1.211%
272	14.547	14.524	14.578	VV	106072	1666176	8.88%	0.199%
273	14.605	14.578	14.626	VV	21273	542052	2.89%	0.065%
274	14.653	14.626	14.719	VV	21808	980938	5.23%	0.117%
275	14.729	14.719	14.733	VV	14564	116379	0.62%	0.014%
276	14.757	14.733	14.779	VV	18659	453864	2.42%	0.054%
277	14.783	14.779	14.809	VV	14358	244424	1.30%	0.029%
278	14.812	14.809	14.826	VV	13900	136957	0.73%	0.016%
279	14.831	14.826	14.834	VV	13068	59858	0.32%	0.007%
280	14.844	14.834	14.853	VV	13484	148420	0.79%	0.018%
281	14.878	14.853	14.900	VV	17039	426450	2.27%	0.051%
282	14.921	14.900	14.991	VV	24513	894775	4.77%	0.107%
283	15.031	14.991	15.056	VV	13491	482057	2.57%	0.058%
284	15.076	15.056	15.099	VV	17468	372546	1.98%	0.044%
285	15.124	15.099	15.145	VV	20428	422417	2.25%	0.050%
286	15.159	15.145	15.194	VV	15065	355699	1.89%	0.042%
287	15.212	15.194	15.219	VV	10993	158793	0.85%	0.019%
288	15.261	15.219	15.268	VV	13362	355094	1.89%	0.042%
289	15.282	15.268	15.312	VV	14966	342829	1.83%	0.041%
290	15.320	15.312	15.336	VV	11011	150636	0.80%	0.018%
291	15.356	15.336	15.364	VV	12192	188943	1.01%	0.023%
292	15.369	15.364	15.377	VV	12060	88214	0.47%	0.011%
293	15.382	15.377	15.404	VV	11662	177892	0.95%	0.021%
294	15.416	15.404	15.428	VV	11072	153860	0.82%	0.018%
295	15.449	15.428	15.466	VV	11934	246836	1.31%	0.029%
296	15.478	15.466	15.487	VV	10448	126123	0.67%	0.015%
297	15.490	15.487	15.494	VV	9941	40686	0.22%	0.005%
298	15.499	15.494	15.513	VV	10120	111038	0.59%	0.013%
299	15.519	15.513	15.521	VV	9757	47672	0.25%	0.006%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

300	15.565	15.521	15.596	VV	94137	1495313	7.97%	0.179%
301	15.620	15.596	15.667	VV	11946	413510	2	
302	15.671	15.667	15.679	VV	8201	56259	0	
303	15.682	15.679	15.686	VV	8499	37018	0	
304	15.692	15.686	15.695	VV	8630	44777	0	
305	15.726	15.695	15.749	VV	13618	367246	1	
306	15.766	15.749	15.774	VV	10153	139815	0.74%	0.017%
307	15.779	15.774	15.784	VV	9521	55872	0.30%	0.007%
308	15.792	15.784	15.800	VV	10320	96929	0.52%	0.012%
309	15.825	15.800	15.844	VV	11470	281359	1.50%	0.034%
310	15.870	15.844	15.891	VV	12285	317560	1.69%	0.038%
311	15.926	15.891	15.955	VV	13409	445152	2.37%	0.053%
312	16.008	15.955	16.023	VV	605511	10010202	53.32%	1.196%
313	16.043	16.023	16.084	VV	788908	9572910	50.99%	1.143%
314	16.123	16.084	16.158	VV	15572	607877	3.24%	0.073%
315	16.177	16.158	16.194	VV	12803	260912	1.39%	0.031%
316	16.205	16.194	16.212	VV	12185	132141	0.70%	0.016%
317	16.248	16.212	16.270	VV	15597	468885	2.50%	0.056%
318	16.315	16.270	16.339	VV	24081	711586	3.79%	0.085%
319	16.385	16.339	16.413	VV	697806	9488315	50.54%	1.133%
320	16.418	16.413	16.443	VV	13718	222108	1.18%	0.027%
321	16.507	16.443	16.537	VV	90547	1810729	9.65%	0.216%
322	16.545	16.537	16.563	VV	13620	199731	1.06%	0.024%
323	16.581	16.563	16.590	VV	13212	191288	1.02%	0.023%
324	16.598	16.590	16.606	VV	11499	114267	0.61%	0.014%
325	16.611	16.606	16.618	VV	11736	76312	0.41%	0.009%
326	16.638	16.618	16.650	VV	11153	209805	1.12%	0.025%
327	16.705	16.650	16.729	VV	16921	626080	3.33%	0.075%
328	16.734	16.729	16.746	VV	13008	130399	0.69%	0.016%
329	16.749	16.746	16.755	VV	12818	69816	0.37%	0.008%
330	16.791	16.755	16.816	VV	19986	553840	2.95%	0.066%
331	16.825	16.816	16.853	VV	14725	281767	1.50%	0.034%
332	16.875	16.853	16.931	VV	18469	624544	3.33%	0.075%
333	16.955	16.931	16.997	VV	13305	455296	2.43%	0.054%
334	17.001	16.997	17.007	VV	10884	60579	0.32%	0.007%
335	17.030	17.007	17.066	VV	13485	404166	2.15%	0.048%
336	17.095	17.066	17.120	VV	13178	372946	1.99%	0.045%
337	17.143	17.120	17.167	VV	10394	274254	1.46%	0.033%
338	17.190	17.167	17.221	VV	13111	351552	1.87%	0.042%
339	17.243	17.221	17.249	VV	10972	167518	0.89%	0.020%
340	17.252	17.249	17.271	VV	10628	126620	0.67%	0.015%
341	17.289	17.271	17.300	VV	9868	163319	0.87%	0.020%
342	17.320	17.300	17.334	VV	12217	218119	1.16%	0.026%
343	17.354	17.334	17.364	VV	13135	217871	1.16%	0.026%
344	17.392	17.364	17.428	VV	87214	1346078	7.17%	0.161%
345	17.447	17.428	17.454	VV	9268	139090	0.74%	0.017%
346	17.489	17.454	17.506	VV	15944	377967	2.01%	0.045%
347	17.528	17.506	17.554	VV	14203	350573	1.87%	0.042%
348	17.558	17.554	17.579	VV	9670	119928	0.64%	0.014%
349	17.609	17.579	17.615	VV	8186	163611	0.87%	0.020%
350	17.640	17.615	17.665	VV	10817	278215	1.48%	0.033%
351	17.682	17.665	17.690	VV	9560	134172	0.71%	0.016%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

352	17.753	17.690	17.765	VV	628361	10159441	54.12%	1.213%
353	17.790	17.765	17.837	VV	685101	9307549	49	
354	17.856	17.837	17.890	VV	16734	373843	1	
355	17.901	17.890	17.920	VV	8621	140402	0	
356	17.927	17.920	17.931	VV	6979	45306	0	
357	17.948	17.931	17.956	VV	7580	104559	0	
358	18.006	17.956	18.045	VV	600948	9107254	48.51%	1.088%
359	18.063	18.045	18.078	VV	8187	134878	0.72%	0.016%
360	18.081	18.078	18.109	VV	6305	100030	0.53%	0.012%
361	18.143	18.109	18.157	VV	6678	162382	0.86%	0.019%
362	18.166	18.157	18.185	VV	5178	80686	0.43%	0.010%
363	18.217	18.185	18.250	VBA	76781	1135607	6.05%	0.136%

Sum of corrected areas: 837309716

Aromatic EPH 102324.M Wed Oct 30 03:19:54 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:	EX-5-TPH-5MSD		SDG No.:	P4518	
Lab Sample ID:	P4518-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.06 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048608.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	15.1		0.41	0.90	mg/kg
Aromatic C12-C16	Aromatic C12-C16	79.5	E	0.46	1.35	mg/kg
Aromatic C16-C21	Aromatic C16-C21	254	E	1.30	2.25	mg/kg
Aromatic C21-C36	Aromatic C21-C36	86.6	E	2.70	3.60	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.5		40 - 140	125%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	57.0		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-05MSD	Acq On:	28 Oct 2024 17:03
Client Sample ID:	P4518-05MSD	Operator:	YP/AJ
Data file:	FD048608.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	29643175	168.233	200	ug/ml
Aromatic C12-C16	5.813	8.417	156572049	883.223	300	ug/ml
Aromatic C16-C21	8.418	12.677	463474069	2830	500	ug/ml
Aromatic C21-C36	12.678	18.081	146950935	962.268	800	ug/ml
Aromatic EPH	4.094	18.081	796640228	4840		ug/ml
2-Bromonaphthalene (SURR)	7.374	7.374	9478602	62.45		ug/ml
2-Flurobiphenyl (SURR)	8.227	8.227	5592057	56.95		ug/ml
ortho-Terphenyl (SURR)	11.263	11.263	6010687	35.29		ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048608.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 17:03
Operator : YP/AJ
Sample : P4518-05MSD
Misc :
ALS Vial : 71 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:37:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.374	9478602	62.450 ug/mlm
Spiked Amount	50.000		Recovery =	124.90%
6) S	2-Flurobiphenyl (SURR)	8.227	5592057	56.950 ug/mlm
Spiked Amount	50.000 Range	0 - 131	Recovery =	113.90%
11) S	ortho-Terphenyl (SURR)	11.263	6010687	35.286 ug/mlm
Spiked Amount	50.000		Recovery =	70.57%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	7796308	44.814 ug/mlm
2) T	Naphthalene (C11.7)	5.714	9718350	54.465 ug/mlm
3) T	2-Methylnaphthalene (...	6.764	14050183	78.552 ug/ml
5) T	Acenaphthylene (C15.06)	8.033	14342402	81.680 ug/mlm
7) T	Acenaphthene (C15.5)	8.327	11754591	66.274 ug/mlm
8) T	Flouorene (C16.55)	9.109	12993750	76.869 ug/mlm
9) T	Phenanthrene (C19.36)	10.499	14061554	85.064 ug/mlm
10) T	Anthracene (C19.43)	10.573	11491196	71.860 ug/mlm
12) T	Fluoranthene (C21.85)	12.302	11491186	69.823 ug/mlm
13) T	Pyrene (C20.8)	12.595	11093012	68.868 ug/mlm
14) T	Benzo[a]anthracene (C...	14.459	9826901	67.208 ug/ml
15) T	Chrysene (C27.41)	14.503	9689328	58.904 ug/ml
16) T	benzo[b]fluoranthene ...	16.009	9482357	62.372 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.043	9010679	59.950 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.384	8889150	59.066 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.752	9638358	73.870 ug/ml
20) T	Dibenz[a,h]anthracene...	17.789	8766635	53.871 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.004	8688529	56.754 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102824AR\
Data File : FD048608.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 17:03
Operator : YP/AJ
Sample : P4518-05MSD
Misc :
ALS Vial : 71 Sample Multiplier: 1

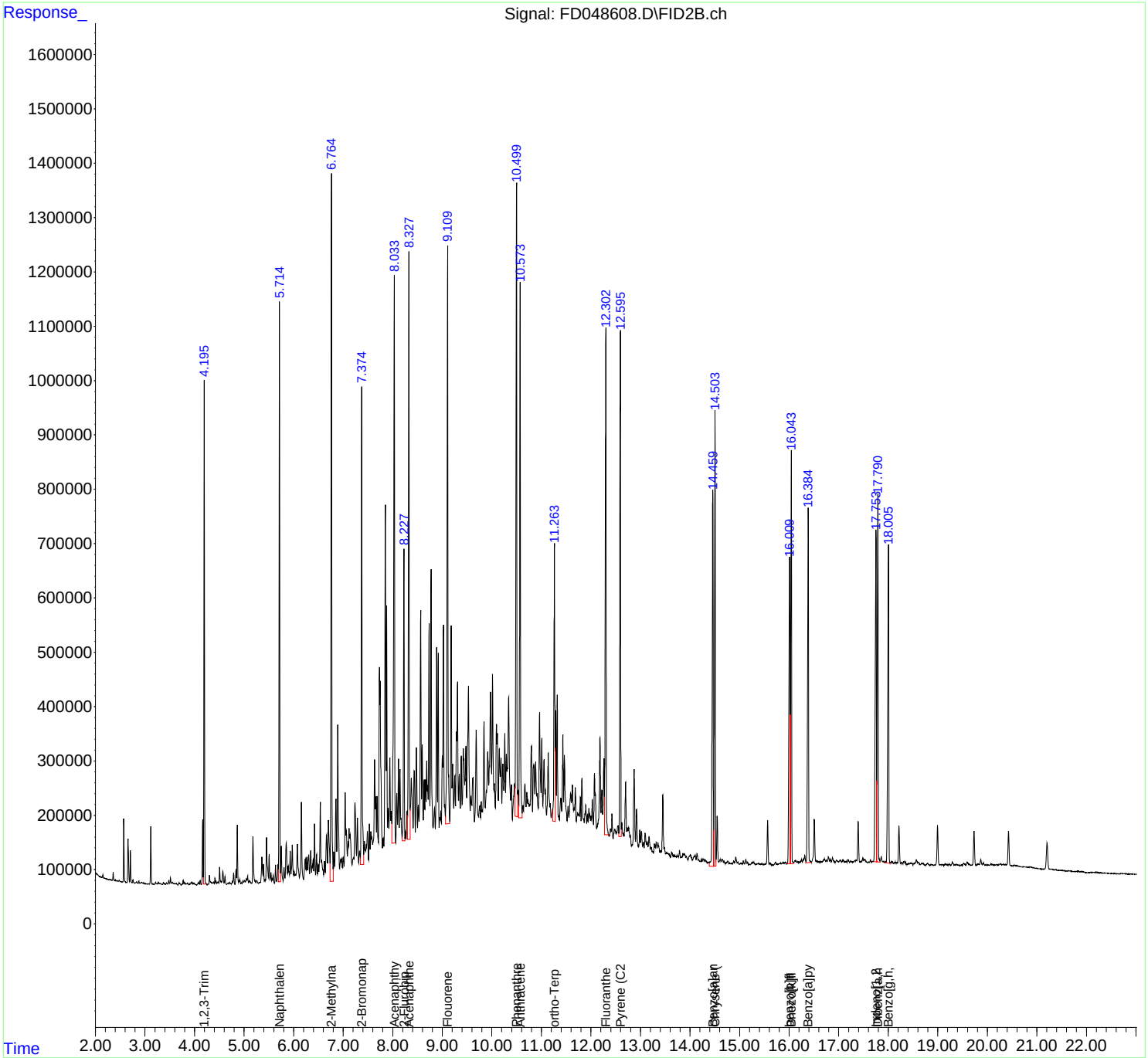
Instrument :
FID_D
ClientSampleId :
EX-5-TPH-5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
Quant Time: Oct 30 02:37:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10282
Data File : FD048608.D
Signal(s) : FID2B.ch
Acq On : 28 Oct 2024 17:03
Sample : P4518-05MSD
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.164	4.136	4.178	VV	120454	1054916	5.75%	0.129%
2	4.196	4.178	4.251	VV	926253	7878325	42.97%	0.965%
3	4.275	4.251	4.284	VV	1534	18640	0.10%	0.002%
4	4.301	4.284	4.320	VV	17605	182977	1.00%	0.022%
5	4.327	4.320	4.340	VV	5381	57327	0.31%	0.007%
6	4.349	4.340	4.370	VV	4434	60516	0.33%	0.007%
7	4.386	4.370	4.399	VV	5443	66333	0.36%	0.008%
8	4.413	4.399	4.426	VV	12478	115459	0.63%	0.014%
9	4.435	4.426	4.451	VV	6613	68519	0.37%	0.008%
10	4.466	4.451	4.474	VV	4954	53111	0.29%	0.007%
11	4.482	4.474	4.491	VV	5076	45168	0.25%	0.006%
12	4.506	4.491	4.524	VV	32373	309769	1.69%	0.038%
13	4.532	4.524	4.544	VV	7022	71402	0.39%	0.009%
14	4.572	4.544	4.596	VV	24477	368823	2.01%	0.045%
15	4.615	4.596	4.649	VV	15050	175090	0.95%	0.021%
16	4.679	4.649	4.693	VV	3312	47363	0.26%	0.006%
17	4.708	4.693	4.725	VV	4667	52673	0.29%	0.006%
18	4.734	4.725	4.745	VV	2104	20405	0.11%	0.002%
19	4.765	4.745	4.774	VV	6180	66522	0.36%	0.008%
20	4.790	4.774	4.816	VV	21867	234434	1.28%	0.029%
21	4.837	4.816	4.847	PV	27997	250656	1.37%	0.031%
22	4.863	4.847	4.886	VV	109841	1040355	5.67%	0.127%
23	4.895	4.886	4.903	VV	6903	60287	0.33%	0.007%
24	4.916	4.903	4.932	VV	9066	93886	0.51%	0.011%
25	4.951	4.932	4.961	VV	2813	37409	0.20%	0.005%
26	4.980	4.961	4.995	VV	7210	97509	0.53%	0.012%
27	5.009	4.995	5.029	VV	7275	110852	0.60%	0.014%
28	5.047	5.029	5.059	VV	10522	144066	0.79%	0.018%
29	5.072	5.059	5.088	VV	15503	171182	0.93%	0.021%
30	5.111	5.088	5.125	VV	7108	114579	0.62%	0.014%
31	5.129	5.125	5.143	VV	4323	31835	0.17%	0.004%
32	5.153	5.143	5.160	VV	2437	21089	0.12%	0.003%
33	5.179	5.160	5.217	VV	87869	1020997	5.57%	0.125%
34	5.225	5.217	5.238	VV	5734	55688	0.30%	0.007%
35	5.254	5.238	5.287	VV	6594	122814	0.67%	0.015%
36	5.304	5.287	5.315	VV	3096	38801	0.21%	0.005%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
37	5.361	5.315	5.381	VV	49608	737819	4.02%	0.090%
38	5.392	5.381	5.410	VV	36550	373620	2	
39	5.424	5.410	5.435	VV	8683	108425	0	
40	5.453	5.435	5.491	VV	85076	1236105	6	
41	5.506	5.491	5.524	VV	54144	536094	2	
42	5.543	5.524	5.558	VV	20682	261293	1	
43	5.569	5.558	5.576	VV	9256	83520	0.46%	0.010%
44	5.589	5.576	5.614	VV	15620	176026	0.96%	0.022%
45	5.636	5.614	5.657	PV	34426	346298	1.89%	0.042%
46	5.687	5.657	5.693	VV	35613	384545	2.10%	0.047%
47	5.714	5.693	5.736	VV	1068781	9796793	53.43%	1.200%
48	5.752	5.736	5.789	VV	68548	874019	4.77%	0.107%
49	5.807	5.789	5.827	VV	29595	368841	2.01%	0.045%
50	5.851	5.827	5.877	VV	74265	1270624	6.93%	0.156%
51	5.890	5.877	5.917	VV	32341	544112	2.97%	0.067%
52	5.932	5.917	5.947	VV	59213	628340	3.43%	0.077%
53	5.974	5.947	6.001	VV	70565	1127170	6.15%	0.138%
54	6.013	6.001	6.025	VV	21167	252492	1.38%	0.031%
55	6.034	6.025	6.045	VV	16086	184852	1.01%	0.023%
56	6.076	6.045	6.117	VV	71440	1360330	7.42%	0.167%
57	6.158	6.117	6.201	VV	148408	2053475	11.20%	0.251%
58	6.235	6.201	6.249	VV	43777	798547	4.36%	0.098%
59	6.266	6.249	6.281	VV	47479	670730	3.66%	0.082%
60	6.305	6.281	6.323	VV	51178	907238	4.95%	0.111%
61	6.346	6.323	6.363	VV	59075	894212	4.88%	0.109%
62	6.376	6.363	6.382	VV	30778	290255	1.58%	0.036%
63	6.394	6.382	6.408	VV	42737	521731	2.85%	0.064%
64	6.423	6.408	6.444	VV	107677	1159447	6.32%	0.142%
65	6.464	6.444	6.482	VV	51300	699619	3.82%	0.086%
66	6.499	6.482	6.511	VV	32867	429700	2.34%	0.053%
67	6.539	6.511	6.556	VV	147412	1872636	10.21%	0.229%
68	6.564	6.556	6.606	VV	40655	859473	4.69%	0.105%
69	6.623	6.606	6.639	VV	38556	522858	2.85%	0.064%
70	6.664	6.639	6.686	VV	86748	1555497	8.48%	0.190%
71	6.703	6.686	6.737	VV	113665	2194795	11.97%	0.269%
72	6.764	6.737	6.798	VV	1298393	14079182	76.79%	1.724%
73	6.812	6.798	6.828	VV	55660	710529	3.88%	0.087%
74	6.855	6.828	6.872	VV	152975	2446260	13.34%	0.300%
75	6.892	6.872	6.928	VV	288234	4187412	22.84%	0.513%
76	6.950	6.928	6.959	VV	41003	653555	3.56%	0.080%
77	6.969	6.959	6.983	VV	41922	513040	2.80%	0.063%
78	7.000	6.983	7.017	VV	44676	734459	4.01%	0.090%
79	7.041	7.017	7.055	VV	163958	2130739	11.62%	0.261%
80	7.064	7.055	7.086	VV	93186	1389467	7.58%	0.170%
81	7.100	7.086	7.108	VV	73897	804818	4.39%	0.099%
82	7.120	7.108	7.130	VV	97789	1130910	6.17%	0.138%
83	7.139	7.130	7.181	VV	86150	1850393	10.09%	0.227%
84	7.211	7.181	7.218	VV	43611	875174	4.77%	0.107%
85	7.239	7.218	7.270	VV	145041	2937307	16.02%	0.360%
86	7.288	7.270	7.313	VV	116456	1830216	9.98%	0.224%
87	7.331	7.313	7.349	VV	55498	1002278	5.47%	0.123%
88	7.374	7.349	7.416	VV	909322	10680837	58.25%	1.308%
89	7.430	7.416	7.443	VV	73124	1010710	5.51%	0.124%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
90	7.449	7.443	7.456	VV	57231	424780	2.32%	0.052%
91	7.468	7.456	7.475	VV	67534	714011	3	
92	7.491	7.475	7.512	VV	91472	1566100	8	
93	7.530	7.512	7.545	VV	105080	1445764	7	
94	7.560	7.545	7.572	VV	90629	1299378	7	
95	7.579	7.572	7.595	VV	79649	1023100	5	
96	7.635	7.595	7.651	VV	222677	4173308	22.76%	0.511%
97	7.660	7.651	7.672	VV	154471	1664294	9.08%	0.204%
98	7.686	7.672	7.711	VV	155477	2479937	13.53%	0.304%
99	7.732	7.711	7.740	VV	392211	4246117	23.16%	0.520%
100	7.747	7.740	7.793	VV	367265	6047070	32.98%	0.740%
101	7.808	7.793	7.823	VV	77884	1260794	6.88%	0.154%
102	7.852	7.823	7.866	VV	690313	8707709	47.49%	1.066%
103	7.878	7.866	7.896	VV	505672	5367177	29.27%	0.657%
104	7.910	7.896	7.924	VV	133092	1926947	10.51%	0.236%
105	7.943	7.924	7.958	VV	225387	3168865	17.28%	0.388%
106	7.967	7.958	7.983	VV	127260	1797329	9.80%	0.220%
107	8.033	7.983	8.061	VV	1118671	17516028	95.53%	2.145%
108	8.082	8.061	8.099	VV	159031	2655797	14.48%	0.325%
109	8.118	8.099	8.132	VV	222868	3021380	16.48%	0.370%
110	8.147	8.132	8.190	VV	203879	4478582	24.43%	0.548%
111	8.227	8.190	8.248	VV	609005	8066426	43.99%	0.988%
112	8.259	8.248	8.271	VV	88344	1166307	6.36%	0.143%
113	8.291	8.271	8.300	VV	126281	1843656	10.06%	0.226%
114	8.328	8.300	8.350	VV	1152745	13933115	75.99%	1.706%
115	8.376	8.350	8.414	VV	187343	5559922	30.32%	0.681%
116	8.434	8.414	8.458	VV	200156	4051769	22.10%	0.496%
117	8.478	8.458	8.503	VV	243443	4447728	24.26%	0.545%
118	8.517	8.503	8.531	VV	137221	2054294	11.20%	0.252%
119	8.565	8.531	8.583	VV	495334	7827787	42.69%	0.959%
120	8.596	8.583	8.618	VV	247789	3666566	20.00%	0.449%
121	8.635	8.618	8.649	VV	183301	2688125	14.66%	0.329%
122	8.663	8.649	8.674	VV	183356	2459071	13.41%	0.301%
123	8.687	8.674	8.700	VV	218048	2836066	15.47%	0.347%
124	8.707	8.700	8.717	VV	172208	1609163	8.78%	0.197%
125	8.734	8.717	8.751	VV	469482	5776565	31.50%	0.707%
126	8.776	8.751	8.814	VV	570401	9293597	50.69%	1.138%
127	8.844	8.814	8.861	VV	130653	3079694	16.80%	0.377%
128	8.888	8.861	8.904	VV	425194	6181826	33.72%	0.757%
129	8.920	8.904	8.938	VV	415199	4926948	26.87%	0.603%
130	8.951	8.938	8.959	VV	113149	1365427	7.45%	0.167%
131	8.971	8.959	8.983	VV	124635	1654983	9.03%	0.203%
132	9.002	8.983	9.008	VV	226470	2630734	14.35%	0.322%
133	9.024	9.008	9.044	VV	466718	6358553	34.68%	0.779%
134	9.050	9.044	9.063	VV	136569	1439459	7.85%	0.176%
135	9.109	9.063	9.151	VV	1164685	18335500	100.00%	2.245%
136	9.181	9.151	9.199	VV	464857	6998525	38.17%	0.857%
137	9.211	9.199	9.233	VV	209683	3524725	19.22%	0.432%
138	9.253	9.233	9.268	VV	188489	3352473	18.28%	0.411%
139	9.288	9.268	9.295	VV	269771	3430252	18.71%	0.420%
140	9.308	9.295	9.327	VV	361586	5060889	27.60%	0.620%
141	9.345	9.327	9.366	VV	191841	3689861	20.12%	0.452%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

142	9.384	9.366	9.402	VV	224779	3702908	20.20%	0.453%
143	9.426	9.402	9.454	VV	238231	6059114	33	
144	9.478	9.454	9.493	VV	242768	4575836	24	
145	9.530	9.493	9.565	VV	351407	9721735	53	
146	9.580	9.565	9.596	VV	150691	2587665	14	
147	9.618	9.596	9.650	VV	183517	4949808	27	
148	9.686	9.650	9.731	VV	271859	7699283	41.99%	0.943%
149	9.756	9.731	9.773	VV	131838	3036719	16.56%	0.372%
150	9.787	9.773	9.799	VV	139163	1982809	10.81%	0.243%
151	9.807	9.799	9.813	VV	123117	1046306	5.71%	0.128%
152	9.843	9.813	9.868	VV	286728	5888200	32.11%	0.721%
153	9.890	9.868	9.896	VV	159737	2415357	13.17%	0.296%
154	9.918	9.896	9.938	VV	231116	4909638	26.78%	0.601%
155	9.975	9.938	9.997	VV	341193	8571410	46.75%	1.050%
156	10.016	9.997	10.042	VV	373795	6831770	37.26%	0.837%
157	10.052	10.042	10.072	VV	172063	2772223	15.12%	0.339%
158	10.095	10.072	10.105	VV	280588	4226329	23.05%	0.518%
159	10.114	10.105	10.132	VV	262998	3589989	19.58%	0.440%
160	10.153	10.132	10.175	VV	237259	5046160	27.52%	0.618%
161	10.188	10.175	10.204	VV	218713	3216804	17.54%	0.394%
162	10.225	10.204	10.243	VV	208059	4181551	22.81%	0.512%
163	10.263	10.243	10.279	VV	263978	4366549	23.81%	0.535%
164	10.295	10.279	10.307	VV	225453	3353151	18.29%	0.411%
165	10.341	10.307	10.380	VV	330402	9738357	53.11%	1.192%
166	10.397	10.380	10.416	VV	169305	3096928	16.89%	0.379%
167	10.460	10.416	10.469	VV	170467	4547788	24.80%	0.557%
168	10.500	10.469	10.521	VV	1279520	17478125	95.32%	2.140%
169	10.531	10.521	10.545	VV	157512	2138744	11.66%	0.262%
170	10.573	10.545	10.613	VV	1096736	15904900	86.74%	1.948%
171	10.630	10.613	10.641	VV	130213	2031741	11.08%	0.249%
172	10.668	10.641	10.694	VV	169029	4618420	25.19%	0.566%
173	10.708	10.694	10.724	VV	154553	2618734	14.28%	0.321%
174	10.732	10.724	10.757	VV	138100	2614866	14.26%	0.320%
175	10.799	10.757	10.823	VV	238394	6698091	36.53%	0.820%
176	10.841	10.823	10.846	VV	203061	2313766	12.62%	0.283%
177	10.851	10.846	10.869	VV	203385	2586019	14.10%	0.317%
178	10.886	10.869	10.910	VV	210171	4325660	23.59%	0.530%
179	10.918	10.910	10.940	VV	151205	2411982	13.15%	0.295%
180	10.965	10.940	10.993	VV	301258	6466179	35.27%	0.792%
181	11.009	10.993	11.031	VV	252487	4200732	22.91%	0.514%
182	11.055	11.031	11.073	VV	213692	4391780	23.95%	0.538%
183	11.080	11.073	11.106	VV	156734	2704458	14.75%	0.331%
184	11.139	11.106	11.169	VV	224958	5882247	32.08%	0.720%
185	11.178	11.169	11.202	VV	132412	2411023	13.15%	0.295%
186	11.264	11.202	11.278	VV	610069	10743657	58.59%	1.316%
187	11.288	11.278	11.303	VV	301901	3544282	19.33%	0.434%
188	11.319	11.303	11.345	VV	331638	5072812	27.67%	0.621%
189	11.350	11.345	11.364	VV	109291	1215420	6.63%	0.149%
190	11.394	11.364	11.411	VV	141163	3485408	19.01%	0.427%
191	11.435	11.411	11.451	VV	257775	4347440	23.71%	0.532%
192	11.466	11.451	11.520	VV	220358	6004494	32.75%	0.735%
193	11.540	11.520	11.556	VV	126474	2492736	13.60%	0.305%
194	11.592	11.556	11.608	VV	150445	4069047	22.19%	0.498%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

195	11.627	11.608	11.650	VV	164876	3598560	19.63%	0.441%
196	11.663	11.650	11.670	VV	122791	1413969	7	
197	11.687	11.670	11.704	VV	160077	2710763	14	
198	11.727	11.704	11.738	VV	113955	2164817	11	
199	11.752	11.738	11.769	VV	111339	2017438	11	
200	11.786	11.769	11.800	VV	142866	2286824	12	
201	11.819	11.800	11.864	VV	177151	4753432	25.92%	0.582%
202	11.879	11.864	11.884	VV	112053	1290820	7.04%	0.158%
203	11.897	11.884	11.916	VV	127364	2175068	11.86%	0.266%
204	11.932	11.916	11.944	VV	109816	1701335	9.28%	0.208%
205	11.960	11.944	11.974	VV	121421	2005724	10.94%	0.246%
206	11.978	11.974	11.991	VV	109354	1054898	5.75%	0.129%
207	12.001	11.991	12.012	VV	107259	1286353	7.02%	0.158%
208	12.027	12.012	12.052	VV	136675	2728859	14.88%	0.334%
209	12.073	12.052	12.118	VV	184957	5017007	27.36%	0.614%
210	12.182	12.118	12.202	VV	250568	6666658	36.36%	0.816%
211	12.220	12.202	12.236	VV	153771	2757377	15.04%	0.338%
212	12.262	12.236	12.275	VV	212488	3764908	20.53%	0.461%
213	12.302	12.275	12.369	VV	1003368	15472705	84.39%	1.895%
214	12.399	12.369	12.410	VV	81580	1908431	10.41%	0.234%
215	12.426	12.410	12.448	VV	110010	1984021	10.82%	0.243%
216	12.480	12.448	12.507	VV	82368	2650585	14.46%	0.325%
217	12.518	12.507	12.523	VV	75538	719103	3.92%	0.088%
218	12.550	12.523	12.562	VV	87024	1941688	10.59%	0.238%
219	12.595	12.562	12.614	VV	998600	13183367	71.90%	1.614%
220	12.625	12.614	12.652	VV	93730	1830990	9.99%	0.224%
221	12.660	12.652	12.670	VV	73662	760639	4.15%	0.093%
222	12.701	12.670	12.720	VV	167550	3343471	18.23%	0.409%
223	12.734	12.720	12.748	VV	82780	1381358	7.53%	0.169%
224	12.762	12.748	12.788	VV	83669	1821407	9.93%	0.223%
225	12.796	12.788	12.817	VV	69122	1056825	5.76%	0.129%
226	12.870	12.817	12.900	VV	190815	4540442	24.76%	0.556%
227	12.921	12.900	12.963	VV	116400	2730316	14.89%	0.334%
228	12.985	12.963	12.999	VV	78970	1361070	7.42%	0.167%
229	13.019	12.999	13.040	VV	75742	1567905	8.55%	0.192%
230	13.060	13.040	13.075	VV	55610	1060429	5.78%	0.130%
231	13.094	13.075	13.122	VV	71932	1672020	9.12%	0.205%
232	13.136	13.122	13.152	VV	55453	945647	5.16%	0.116%
233	13.173	13.152	13.207	VV	65755	1745390	9.52%	0.214%
234	13.218	13.207	13.236	VV	45873	744214	4.06%	0.091%
235	13.246	13.236	13.261	VV	38913	581640	3.17%	0.071%
236	13.281	13.261	13.298	VV	52491	1021438	5.57%	0.125%
237	13.317	13.298	13.334	VV	55495	1066971	5.82%	0.131%
238	13.353	13.334	13.393	VV	53679	1655949	9.03%	0.203%
239	13.404	13.393	13.417	VV	39491	550804	3.00%	0.067%
240	13.450	13.417	13.474	VV	141580	2626171	14.32%	0.322%
241	13.482	13.474	13.512	VV	45136	892185	4.87%	0.109%
242	13.524	13.512	13.536	VV	36052	504361	2.75%	0.062%
243	13.552	13.536	13.563	VV	34702	560489	3.06%	0.069%
244	13.580	13.563	13.603	VV	33409	730755	3.99%	0.089%
245	13.628	13.603	13.667	VV	36029	1201045	6.55%	0.147%
246	13.680	13.667	13.700	VV	31331	582630	3.18%	0.071%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

rteres

247	13.706	13.700	13.720	VV	28224	330386	1.80%	0.040%
248	13.738	13.720	13.751	VV	29761	520679	2	
249	13.758	13.751	13.764	VV	28315	213213	1	
250	13.787	13.764	13.807	VV	38605	819547	4	
251	13.829	13.807	13.833	VV	26571	403996	2	
252	13.858	13.833	13.874	VV	32933	735484	4	
253	13.886	13.874	13.913	VV	32451	701710	3.83%	0.086%
254	13.926	13.913	13.958	VV	27949	655837	3.58%	0.080%
255	13.987	13.958	13.994	VV	28253	542164	2.96%	0.066%
256	14.008	13.994	14.049	VV	30425	863156	4.71%	0.106%
257	14.082	14.049	14.090	VV	27490	609880	3.33%	0.075%
258	14.102	14.090	14.119	VV	29431	445921	2.43%	0.055%
259	14.141	14.119	14.162	VV	32242	664621	3.62%	0.081%
260	14.173	14.162	14.202	VV	20985	458592	2.50%	0.056%
261	14.207	14.202	14.212	VV	17577	108491	0.59%	0.013%
262	14.230	14.212	14.245	VV	20443	372434	2.03%	0.046%
263	14.263	14.245	14.285	VV	22300	481957	2.63%	0.059%
264	14.301	14.285	14.321	VV	21099	408498	2.23%	0.050%
265	14.328	14.321	14.354	VV	17566	317191	1.73%	0.039%
266	14.370	14.354	14.387	VV	15747	294613	1.61%	0.036%
267	14.459	14.387	14.477	VV	701971	10235731	55.82%	1.253%
268	14.504	14.477	14.524	VV	846523	9923491	54.12%	1.215%
269	14.547	14.524	14.579	VV	100068	1603971	8.75%	0.196%
270	14.608	14.579	14.625	VV	20047	489123	2.67%	0.060%
271	14.645	14.625	14.713	VV	20442	865469	4.72%	0.106%
272	14.760	14.713	14.786	VV	16625	616672	3.36%	0.076%
273	14.799	14.786	14.805	VV	13014	144015	0.79%	0.018%
274	14.810	14.805	14.820	VV	12191	106279	0.58%	0.013%
275	14.840	14.820	14.854	VV	12351	234524	1.28%	0.029%
276	14.879	14.854	14.900	VV	16153	374493	2.04%	0.046%
277	14.922	14.900	14.957	VV	23135	578243	3.15%	0.071%
278	14.964	14.957	14.994	VV	13701	265244	1.45%	0.032%
279	15.004	14.994	15.010	VV	10842	105717	0.58%	0.013%
280	15.032	15.010	15.055	VV	12794	308198	1.68%	0.038%
281	15.077	15.055	15.102	VV	15677	350981	1.91%	0.043%
282	15.125	15.102	15.147	VV	18765	380763	2.08%	0.047%
283	15.160	15.147	15.186	VV	14185	258690	1.41%	0.032%
284	15.207	15.186	15.221	VV	9955	194988	1.06%	0.024%
285	15.259	15.221	15.269	VV	12439	314590	1.72%	0.039%
286	15.284	15.269	15.315	VV	13742	317092	1.73%	0.039%
287	15.320	15.315	15.341	VV	9570	145413	0.79%	0.018%
288	15.354	15.341	15.358	VV	9938	94164	0.51%	0.012%
289	15.376	15.358	15.404	VV	10782	281116	1.53%	0.034%
290	15.411	15.404	15.419	VV	9666	85428	0.47%	0.010%
291	15.425	15.419	15.434	VV	9354	76085	0.41%	0.009%
292	15.450	15.434	15.470	VV	11006	208366	1.14%	0.026%
293	15.484	15.470	15.493	VV	8944	120969	0.66%	0.015%
294	15.565	15.493	15.597	VV	89313	1557280	8.49%	0.191%
295	15.621	15.597	15.644	VV	9837	255051	1.39%	0.031%
296	15.648	15.644	15.670	VV	7554	105494	0.58%	0.013%
297	15.678	15.670	15.687	VV	7289	69971	0.38%	0.009%
298	15.726	15.687	15.748	VV	12187	346123	1.89%	0.042%
299	15.759	15.748	15.772	VV	8902	120151	0.66%	0.015%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
300	15.798	15.772	15.804	VV	9249	156394	0.85%	0.019%
301	15.823	15.804	15.838	VV	10396	191368		
302	15.876	15.838	15.898	VV	10870	349558		
303	15.925	15.898	15.946	VV	12071	297438		
304	15.953	15.946	15.962	VV	8506	77186		
305	16.009	15.962	16.024	VV	573616	9742635	53	
306	16.043	16.024	16.076	VV	769342	9304492	50.75%	1.139%
307	16.080	16.076	16.093	VV	11017	108700	0.59%	0.013%
308	16.116	16.093	16.124	VV	13982	227518	1.24%	0.028%
309	16.126	16.124	16.151	VV	13954	207534	1.13%	0.025%
310	16.155	16.151	16.160	VV	10936	56698	0.31%	0.007%
311	16.174	16.160	16.195	VV	12214	233579	1.27%	0.029%
312	16.200	16.195	16.212	VV	10527	102145	0.56%	0.013%
313	16.228	16.212	16.235	VV	12294	156923	0.86%	0.019%
314	16.251	16.235	16.267	VV	14480	242698	1.32%	0.030%
315	16.315	16.267	16.339	VV	22754	666836	3.64%	0.082%
316	16.385	16.339	16.447	VV	659403	9493765	51.78%	1.162%
317	16.507	16.447	16.537	VV	88696	1687250	9.20%	0.207%
318	16.549	16.537	16.564	VV	12245	182426	0.99%	0.022%
319	16.577	16.564	16.596	VV	11525	204191	1.11%	0.025%
320	16.601	16.596	16.629	VV	10391	195778	1.07%	0.024%
321	16.637	16.629	16.652	VV	10282	132985	0.73%	0.016%
322	16.707	16.652	16.733	VV	15031	580301	3.16%	0.071%
323	16.745	16.733	16.763	VV	12588	214220	1.17%	0.026%
324	16.791	16.763	16.814	VV	18946	430644	2.35%	0.053%
325	16.828	16.814	16.849	VV	13478	251219	1.37%	0.031%
326	16.875	16.849	16.932	VV	17293	580920	3.17%	0.071%
327	16.962	16.932	16.999	VV	11688	410307	2.24%	0.050%
328	17.028	16.999	17.060	VV	11881	383447	2.09%	0.047%
329	17.090	17.060	17.117	VV	11906	349574	1.91%	0.043%
330	17.125	17.117	17.130	VV	8918	67455	0.37%	0.008%
331	17.137	17.130	17.152	VV	9028	111901	0.61%	0.014%
332	17.157	17.152	17.167	VV	9471	80068	0.44%	0.010%
333	17.191	17.167	17.224	VV	12095	333619	1.82%	0.041%
334	17.239	17.224	17.250	VV	10093	142660	0.78%	0.017%
335	17.255	17.250	17.275	VV	9280	124640	0.68%	0.015%
336	17.288	17.275	17.299	VV	8702	114418	0.62%	0.014%
337	17.321	17.299	17.335	VV	10850	205587	1.12%	0.025%
338	17.348	17.335	17.365	VV	11599	189848	1.04%	0.023%
339	17.392	17.365	17.422	VV	82465	1252955	6.83%	0.153%
340	17.438	17.422	17.444	VV	8282	98381	0.54%	0.012%
341	17.453	17.444	17.459	VV	8633	74736	0.41%	0.009%
342	17.488	17.459	17.507	VV	15519	324758	1.77%	0.040%
343	17.529	17.507	17.578	VV	12471	403711	2.20%	0.049%
344	17.602	17.578	17.617	VV	7578	149471	0.82%	0.018%
345	17.643	17.617	17.667	VV	9673	238069	1.30%	0.029%
346	17.675	17.667	17.682	VV	8072	68503	0.37%	0.008%
347	17.685	17.682	17.690	VV	8128	38934	0.21%	0.005%
348	17.753	17.690	17.766	VV	620199	9919524	54.10%	1.215%
349	17.790	17.766	17.835	VV	684070	9098380	49.62%	1.114%
350	17.859	17.835	17.887	VV	15570	330393	1.80%	0.040%
351	17.898	17.887	17.923	VV	7322	140982	0.77%	0.017%

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/30/2024
Supervised By :Ankita Jodhani 10/30/2024

					rteres			
352	17.938	17.923	17.947	VV	6400	85874	0.47%	0.011%
353	17.950	17.947	17.957	VV	6689	37572	0	
354	18.005	17.957	18.048	VV	589607	8895314	48	
355	18.065	18.048	18.106	VV	7411	177266	0	
356	18.126	18.106	18.131	VV	4469	56463	0	
357	18.141	18.131	18.165	VV	5823	96639	0	
358	18.175	18.165	18.185	VV	4643	50539	0.28%	0.006%
359	18.216	18.185	18.250	VBA	72474	1077956	5.88%	0.132%
			Sum of corrected areas:			816669092		

Aromatic EPH 102324.M Wed Oct 30 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:			
Project:	North Point			Date Received:			
Client Sample ID:	EX-5-TPH-5MSD			SDG No.:	P4518		
Lab Sample ID:	P4518-05MSD			Matrix:	Solid		
Analytical Method:	NJEPH			% Solid:	73.9		
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000	uL	
Soil Aliquot Vol:			uL	Test:	EPH		
Prep Method :							

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 17:39	PB164396

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	42.2	E	1	0.51	1.35	mg/kg	FC067547.D
Aliphatic C12-C16	Aliphatic C12-C16	262	E	1	0.32	0.90	mg/kg	FC067547.D
Aliphatic C16-C21	Aliphatic C16-C21	302	E	1	0.41	1.35	mg/kg	FC067547.D
Aliphatic C21-C28	Aliphatic C21-C28	100	E	1	1.08	1.80	mg/kg	FC067547.D
Aliphatic C28-C40	Aliphatic C28-C40	122	E	1	2.43	2.70	mg/kg	FC067547.D
Aromatic C10-C12	Aromatic C10-C12	15.1		1	0.41	0.90	mg/kg	FD048608.D
Aromatic C12-C16	Aromatic C12-C16	79.5	E	1	0.46	1.35	mg/kg	FD048608.D
Aromatic C16-C21	Aromatic C16-C21	254	E	1	1.30	2.25	mg/kg	FD048608.D
Aromatic C21-C36	Aromatic C21-C36	86.6	E	1	2.70	3.60	mg/kg	FD048608.D
Total AliphaticEPH	Total AliphaticEPH	828			4.75	8.10	mg/kg	
Total AromaticEPH	Total AromaticEPH	435			4.86	8.10	mg/kg	
Total EPH	Total EPH	1260			9.62	16.2	mg/kg	

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

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

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	EX-5-TPH-5MSD		SDG No.:	P4518	
Lab Sample ID:	P4518-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.06 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067547.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.2	E	0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	262	E	0.32	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	302	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	100	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	122	E	2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05MSD	Acq On:	28 Oct 2024 17:39
Client Sample ID:	P4518-05MSD	Operator:	YP/AJ
Data file:	FC067547.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	63511167	468.822	300	ug/ml
Aliphatic C12-C16	6.454	9.842	384430343	2920	200	ug/ml
Aliphatic C16-C21	9.843	13.200	427089084	3360	300	ug/ml
Aliphatic C21-C28	13.201	16.853	134471664	1120	400	ug/ml
Aliphatic C28-C40	16.854	21.695	137232553	1360	600	ug/ml
Aliphatic EPH	3.173	21.695	1146734811	9220		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	4079872	37.78		ug/ml
Aliphatic C9-C28	3.173	16.853	1009502258	7860	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067547.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 17:39
Operator : YP/AJ
Sample : P4518-05MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:44:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.936	4079872	37.781 ug/mlm
Spiked Amount	50.000		Recovery =	75.56%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	4520951	33.558 ug/ml
2) T	n-Decane (C10)	4.340	6026490	44.232 ug/ml
4) T	n-Dodecane (C12)	6.357	7180933	53.018 ug/mlm
6) T	n-Tetradecane (C14)	8.154	8803691	67.070 ug/mlm
7) T	n-Hexadecane (C16)	9.752	9306087	70.446 ug/mlm
8) T	n-Octadecane (C18)	11.193	9619859	72.815 ug/mlm
10) T	n-Eicosane (C20)	12.497	9020125	71.488 ug/mlm
11) T	n-Heneicosane (C21)	13.108	7939139	64.329 ug/mlm
13) T	n-Docosane (C22)	13.690	7997895	65.316 ug/mlm
14) T	n-Tetracosane (C24)	14.791	7739212	63.850 ug/mlm
15) T	n-Hexacosane (C26)	15.812	7592977	63.777 ug/mlm
16) T	n-Octacosane (C28)	16.760	7603701	64.631 ug/mlm
17) T	n-Tricontane (C30)	17.645	7586580	62.766 ug/mlm
18) T	n-Dotriacontane (C32)	18.476	7429618	62.792 ug/mlm
19) T	n-Tetratriacontane (C34)	19.258	8056399	76.927 ug/ml
20) T	n-Hexatriacontane (C36)	19.996	7559600	83.048 ug/ml
21) T	n-Octatriacontane (C38)	20.720	7539093	87.054 ug/ml
22) T	n-Tetracontane (C40)	21.605	7436772	87.480 ug/ml

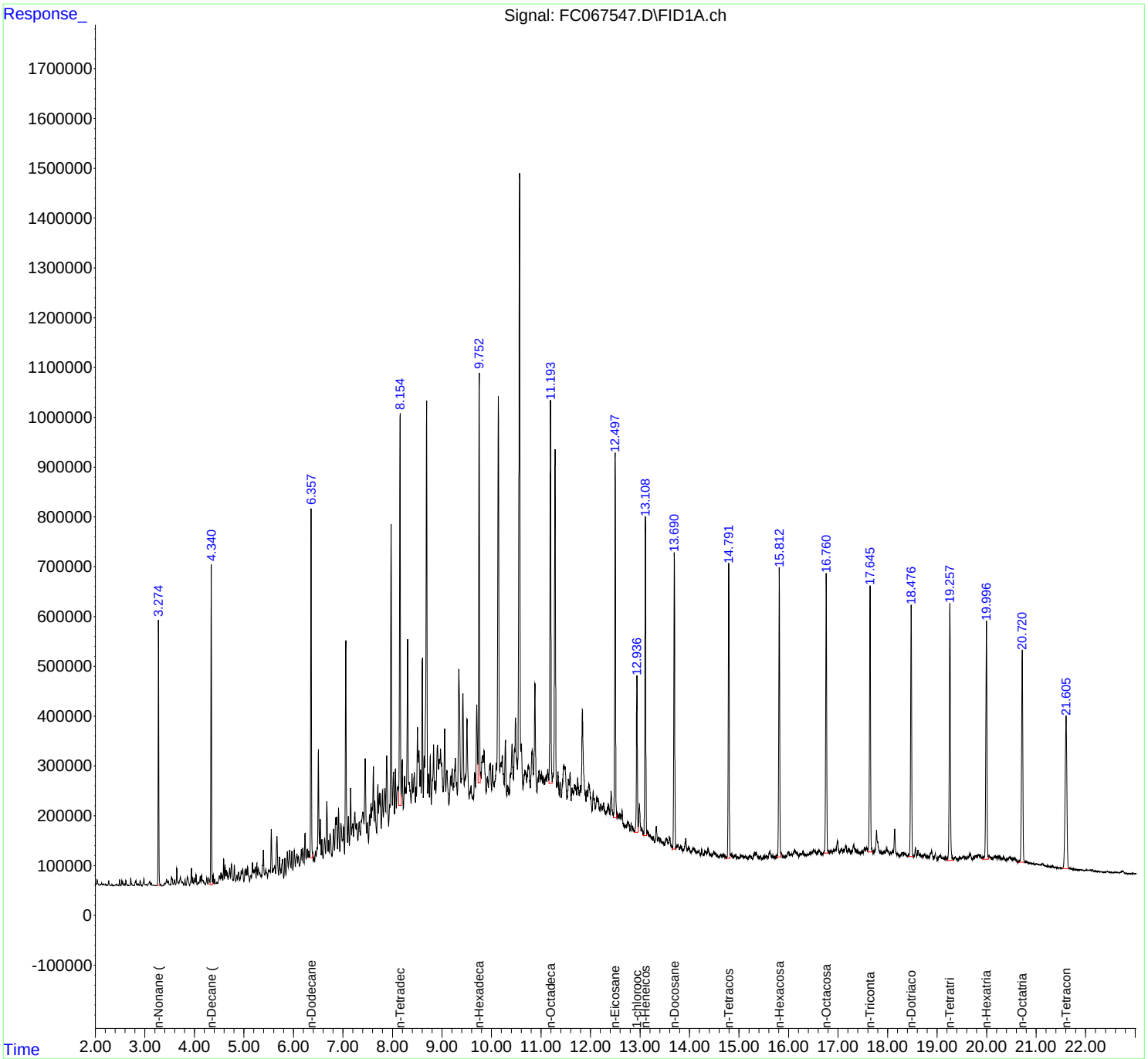
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067547.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 17:39
Operator : YP/AJ
Sample : P4518-05MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Integration File: sample.E
Quant Time: Oct 30 03:44:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102824AL\
Data File : FC067547.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2024 17:39
Sample : P4518-05MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.168	3.154	3.184	PH	1478	14590	0.04%	0.001%
2	3.193	3.184	3.206	PV	497	2721	0.01%	0.000%
3	3.220	3.206	3.233	PV	463	3866	0.01%	0.000%
4	3.274	3.233	3.309	VV	531673	4559252	14.01%	0.397%
5	3.319	3.309	3.349	VV	2099	22944	0.07%	0.002%
6	3.372	3.349	3.381	PV	1213	11231	0.03%	0.001%
7	3.398	3.381	3.409	VV	5798	58370	0.18%	0.005%
8	3.436	3.409	3.461	VV	12416	225198	0.69%	0.020%
9	3.474	3.461	3.496	VV	9470	117727	0.36%	0.010%
10	3.510	3.496	3.520	VV	2874	27936	0.09%	0.002%
11	3.539	3.520	3.574	VV	17212	300262	0.92%	0.026%
12	3.600	3.574	3.621	VV	11859	174145	0.54%	0.015%
13	3.645	3.621	3.687	VV	35200	463161	1.42%	0.040%
14	3.717	3.687	3.792	VV	17721	500583	1.54%	0.044%
15	3.810	3.792	3.830	VV	11837	109909	0.34%	0.010%
16	3.858	3.830	3.904	VV	17888	350065	1.08%	0.031%
17	3.940	3.904	3.956	PV	35041	403642	1.24%	0.035%
18	3.968	3.956	3.985	VV	15101	160576	0.49%	0.014%
19	4.001	3.985	4.017	VV	14317	174702	0.54%	0.015%
20	4.034	4.017	4.055	VV	22008	236844	0.73%	0.021%
21	4.075	4.055	4.090	VV	6720	85018	0.26%	0.007%
22	4.117	4.090	4.130	VV	18213	232190	0.71%	0.020%
23	4.144	4.130	4.223	VV	20243	469228	1.44%	0.041%
24	4.252	4.223	4.272	VV	14916	201967	0.62%	0.018%
25	4.292	4.272	4.313	VV	14297	209060	0.64%	0.018%
26	4.340	4.313	4.365	VV	645666	6049087	18.59%	0.527%
27	4.379	4.365	4.394	VV	20530	207598	0.64%	0.018%
28	4.408	4.394	4.431	VV	11471	146959	0.45%	0.013%
29	4.455	4.431	4.469	VV	5399	88958	0.27%	0.008%
30	4.503	4.469	4.520	VV	18198	374881	1.15%	0.033%
31	4.536	4.520	4.550	VV	24751	323772	1.00%	0.028%
32	4.561	4.550	4.576	VV	19850	242598	0.75%	0.021%
33	4.592	4.576	4.607	VV	52954	543330	1.67%	0.047%
34	4.620	4.607	4.634	VV	40115	441086	1.36%	0.038%
35	4.645	4.634	4.658	VV	29270	355384	1.09%	0.031%
36	4.667	4.658	4.681	VV	24534	250704	0.77%	0.022%

rteres

37	4.712	4.681	4.728	VV	34003	600042	1.84%	0.052%
38	4.750	4.728	4.787	VV	42247	822574	2.53%	0.072%
39	4.807	4.787	4.835	VV	39839	541238	1.66%	0.047%
40	4.858	4.835	4.872	VV	18980	283047	0.87%	0.025%
41	4.893	4.872	4.912	VV	25285	435549	1.34%	0.038%
42	4.946	4.912	4.958	VV	28325	493933	1.52%	0.043%
43	4.976	4.958	5.000	VV	33241	531207	1.63%	0.046%
44	5.026	5.000	5.041	VV	31449	518952	1.59%	0.045%
45	5.053	5.041	5.063	VV	29106	309749	0.95%	0.027%
46	5.077	5.063	5.116	VV	35408	665216	2.04%	0.058%
47	5.142	5.116	5.154	VV	18293	331197	1.02%	0.029%
48	5.173	5.154	5.204	VV	43866	864111	2.66%	0.075%
49	5.231	5.204	5.246	VV	34732	667588	2.05%	0.058%
50	5.262	5.246	5.277	VV	42483	534732	1.64%	0.047%
51	5.291	5.277	5.338	VV	32213	880134	2.70%	0.077%
52	5.351	5.338	5.360	VV	19211	226504	0.70%	0.020%
53	5.394	5.360	5.421	VV	69000	1310178	4.03%	0.114%
54	5.443	5.421	5.478	VV	30412	780708	2.40%	0.068%
55	5.498	5.478	5.508	VV	28406	407835	1.25%	0.036%
56	5.518	5.508	5.531	VV	27496	373798	1.15%	0.033%
57	5.554	5.531	5.579	VV	109155	1619171	4.98%	0.141%
58	5.589	5.579	5.596	VV	29506	285595	0.88%	0.025%
59	5.621	5.596	5.639	VV	37035	797602	2.45%	0.070%
60	5.668	5.639	5.701	VV	95820	1972804	6.06%	0.172%
61	5.720	5.701	5.751	VV	54294	983053	3.02%	0.086%
62	5.781	5.751	5.805	VV	50035	1080183	3.32%	0.094%
63	5.828	5.805	5.848	VV	51595	788817	2.42%	0.069%
64	5.878	5.848	5.897	VV	65006	1232954	3.79%	0.107%
65	5.924	5.897	5.950	VV	67304	1563267	4.80%	0.136%
66	5.970	5.950	5.989	VV	65578	1038935	3.19%	0.091%
67	6.018	5.989	6.039	VV	67533	1414346	4.35%	0.123%
68	6.072	6.039	6.086	VV	60369	1409953	4.33%	0.123%
69	6.102	6.086	6.124	VV	54732	1072889	3.30%	0.094%
70	6.161	6.124	6.175	VV	69267	1525519	4.69%	0.133%
71	6.190	6.175	6.215	VV	71184	1412128	4.34%	0.123%
72	6.235	6.215	6.258	VV	102035	1786569	5.49%	0.156%
73	6.280	6.258	6.297	VV	69160	1400568	4.30%	0.122%
74	6.309	6.297	6.331	VV	65285	1190659	3.66%	0.104%
75	6.357	6.331	6.404	VV	752747	9505630	29.21%	0.829%
76	6.416	6.404	6.428	VV	51509	693668	2.13%	0.060%
77	6.446	6.428	6.459	VV	65081	1033611	3.18%	0.090%
78	6.505	6.459	6.528	VV	268887	4848589	14.90%	0.423%
79	6.543	6.528	6.563	VV	128659	1998232	6.14%	0.174%
80	6.575	6.563	6.600	VV	87860	1478278	4.54%	0.129%
81	6.630	6.600	6.651	VV	90165	2195538	6.75%	0.191%
82	6.676	6.651	6.701	VV	163765	3162701	9.72%	0.276%
83	6.712	6.701	6.724	VV	86122	1030726	3.17%	0.090%
84	6.741	6.724	6.775	VV	99171	2386413	7.33%	0.208%
85	6.812	6.775	6.831	VV	108621	2629242	8.08%	0.229%
86	6.873	6.831	6.892	VV	133235	3872315	11.90%	0.338%
87	6.913	6.892	6.938	VV	149589	2785510	8.56%	0.243%
88	6.962	6.938	6.984	VV	119055	2677914	8.23%	0.233%
89	7.013	6.984	7.033	VV	112352	2595283	7.98%	0.226%

90	7.058	7.033	7.094	VV	484741	7666004	23.56%	0.668%
91	7.112	7.094	7.131	VV	133209	2296581	7.06%	0.200%
92	7.157	7.131	7.175	VV	190401	3295836	10.13%	0.287%
93	7.200	7.175	7.215	VV	119361	2585899	7.95%	0.225%
94	7.241	7.215	7.267	VV	142073	3738780	11.49%	0.326%
95	7.279	7.267	7.302	VV	118343	2217822	6.82%	0.193%
96	7.327	7.302	7.354	VV	122062	3262056	10.03%	0.284%
97	7.402	7.354	7.424	VV	141399	5333629	16.39%	0.465%
98	7.451	7.424	7.479	VV	248478	5458441	16.78%	0.476%
99	7.494	7.479	7.518	VV	119954	2432730	7.48%	0.212%
100	7.538	7.518	7.550	VV	136419	2224940	6.84%	0.194%
101	7.566	7.550	7.579	VV	158941	2361803	7.26%	0.206%
102	7.616	7.579	7.632	VV	230899	5318540	16.35%	0.464%
103	7.645	7.632	7.681	VV	162955	3917136	12.04%	0.341%
104	7.705	7.681	7.721	VV	195430	3538244	10.87%	0.308%
105	7.735	7.721	7.746	VV	177747	2493192	7.66%	0.217%
106	7.756	7.746	7.774	VV	179527	2528652	7.77%	0.220%
107	7.800	7.774	7.818	VV	185384	3873059	11.90%	0.338%
108	7.848	7.818	7.865	VV	188692	4591771	14.11%	0.400%
109	7.885	7.865	7.924	VV	252120	6392535	19.65%	0.557%
110	7.974	7.924	7.999	VV	715102	12709792	39.06%	1.108%
111	8.021	7.999	8.043	VV	219008	4788693	14.72%	0.417%
112	8.061	8.043	8.080	VV	225691	4110844	12.63%	0.358%
113	8.113	8.080	8.128	VV	191806	5143068	15.81%	0.448%
114	8.154	8.128	8.179	VV	939952	13536826	41.60%	1.180%
115	8.198	8.179	8.221	VV	245324	4926504	15.14%	0.429%
116	8.245	8.221	8.259	VV	211207	4140143	12.72%	0.361%
117	8.268	8.259	8.279	VV	187296	2217093	6.81%	0.193%
118	8.308	8.279	8.333	VV	486416	9382040	28.83%	0.818%
119	8.340	8.333	8.377	VV	200336	4906103	15.08%	0.428%
120	8.397	8.377	8.418	VV	214495	4598276	14.13%	0.401%
121	8.442	8.418	8.464	VV	220095	5425566	16.67%	0.473%
122	8.478	8.464	8.487	VV	189913	2397438	7.37%	0.209%
123	8.507	8.487	8.520	VV	308382	4918380	15.12%	0.429%
124	8.537	8.520	8.556	VV	263408	5193329	15.96%	0.453%
125	8.570	8.556	8.583	VV	224503	3319739	10.20%	0.289%
126	8.604	8.583	8.625	VV	446457	7308845	22.46%	0.637%
127	8.643	8.625	8.651	VV	252836	3505807	10.77%	0.306%
128	8.691	8.651	8.714	VV	956543	17419429	53.54%	1.519%
129	8.731	8.714	8.748	VV	215113	3924293	12.06%	0.342%
130	8.765	8.748	8.787	VV	251864	4750583	14.60%	0.414%
131	8.833	8.787	8.851	VV	273671	8098438	24.89%	0.706%
132	8.863	8.851	8.878	VV	201109	3092251	9.50%	0.270%
133	8.910	8.878	8.932	VV	273393	7556143	23.22%	0.659%
134	8.948	8.932	8.958	VV	243498	3789411	11.65%	0.330%
135	8.973	8.958	9.024	VV	263692	9009000	27.69%	0.785%
136	9.056	9.024	9.079	VV	303250	7490968	23.02%	0.653%
137	9.099	9.079	9.141	VV	220045	7113882	21.86%	0.620%
138	9.174	9.141	9.186	VV	208490	4985370	15.32%	0.435%
139	9.206	9.186	9.223	VV	224550	4466621	13.73%	0.389%
140	9.233	9.223	9.241	VV	194500	2104287	6.47%	0.183%
141	9.272	9.241	9.311	VV	244994	8835788	27.16%	0.770%

142	9.343	9.311	9.387	VV	423499	12792943	39.32%	1.115%
143	9.425	9.387	9.451	VV	376456	10159218	31.22%	0.886%
144	9.507	9.451	9.550	VV	323537	13350297	41.03%	1.164%
145	9.586	9.550	9.624	VV	190526	7793006	23.95%	0.679%
146	9.663	9.624	9.678	VV	216048	6067833	18.65%	0.529%
147	9.705	9.678	9.728	VV	353302	8086828	24.85%	0.705%
148	9.753	9.728	9.793	VV	1021619	17295872	53.16%	1.508%
149	9.827	9.793	9.839	VV	250086	6531005	20.07%	0.569%
150	9.853	9.839	9.891	VV	260702	7070981	21.73%	0.616%
151	9.920	9.891	9.939	VV	208404	5564277	17.10%	0.485%
152	9.979	9.939	10.003	VV	233114	8125817	24.97%	0.708%
153	10.024	10.003	10.058	VV	231294	6683314	20.54%	0.583%
154	10.097	10.058	10.106	VV	233752	6114384	18.79%	0.533%
155	10.141	10.106	10.169	VV	971604	19060262	58.58%	1.662%
156	10.217	10.169	10.257	VV	250706	11862937	36.46%	1.034%
157	10.282	10.257	10.308	VV	280992	6849375	21.05%	0.597%
158	10.326	10.308	10.358	VV	191712	5366913	16.49%	0.468%
159	10.417	10.358	10.448	VV	272781	11829226	36.36%	1.031%
160	10.486	10.448	10.524	VV	325192	11921207	36.64%	1.039%
161	10.568	10.524	10.637	VV	1415114	32537737	100.00%	2.836%
162	10.679	10.637	10.714	VV	218808	9567506	29.40%	0.834%
163	10.746	10.714	10.788	VV	228127	9307201	28.60%	0.811%
164	10.824	10.788	10.847	VV	259807	8196641	25.19%	0.715%
165	10.879	10.847	10.921	VV	392716	11393925	35.02%	0.993%
166	10.963	10.921	10.980	VV	217950	7204028	22.14%	0.628%
167	10.992	10.980	11.003	VV	209739	2874241	8.83%	0.251%
168	11.013	11.003	11.031	VV	211777	3386872	10.41%	0.295%
169	11.041	11.031	11.071	VV	206762	4776586	14.68%	0.416%
170	11.105	11.071	11.120	VV	208643	5894800	18.12%	0.514%
171	11.138	11.120	11.158	VV	219534	4886872	15.02%	0.426%
172	11.193	11.158	11.229	VV	958109	17775977	54.63%	1.550%
173	11.285	11.229	11.321	VV	853265	20496314	62.99%	1.787%
174	11.343	11.321	11.368	VV	212645	5394573	16.58%	0.470%
175	11.386	11.368	11.408	VV	193766	4399594	13.52%	0.384%
176	11.463	11.408	11.525	VV	230058	13964583	42.92%	1.217%
177	11.555	11.525	11.569	VV	198299	4888455	15.02%	0.426%
178	11.587	11.569	11.610	VV	212844	4687798	14.41%	0.409%
179	11.628	11.610	11.651	VV	182289	4280487	13.16%	0.373%
180	11.679	11.651	11.721	VV	188899	7579985	23.30%	0.661%
181	11.741	11.721	11.775	VV	201669	5967396	18.34%	0.520%
182	11.796	11.775	11.808	VV	187172	3475859	10.68%	0.303%
183	11.837	11.808	11.910	VV	338406	13524113	41.56%	1.179%
184	11.928	11.910	11.948	VV	177511	3834924	11.79%	0.334%
185	11.965	11.948	12.030	VV	189843	8386508	25.77%	0.731%
186	12.055	12.030	12.101	VV	174226	6596320	20.27%	0.575%
187	12.127	12.101	12.186	VV	161241	7719698	23.73%	0.673%
188	12.209	12.186	12.226	VV	149150	3457849	10.63%	0.301%
189	12.265	12.226	12.302	VV	151677	6422619	19.74%	0.560%
190	12.357	12.302	12.391	VV	148054	7364820	22.63%	0.642%
191	12.417	12.391	12.463	VV	173295	6244105	19.19%	0.544%
192	12.498	12.463	12.543	VV	854868	14886693	45.75%	1.298%
193	12.557	12.543	12.576	VV	126900	2531472	7.78%	0.221%
194	12.593	12.576	12.618	VV	127601	3081834	9.47%	0.269%

195	12.638	12.618	12.731	VV	136315	7606289	23.38%	0.663%
196	12.760	12.731	12.801	VV	113283	4482420	13.78%	0.391%
197	12.819	12.801	12.834	VV	107823	2064771	6.35%	0.180%
198	12.851	12.834	12.890	VV	104002	3281191	10.08%	0.286%
199	12.937	12.890	12.963	VV	406684	8123489	24.97%	0.708%
200	12.988	12.963	13.021	VV	147573	4148500	12.75%	0.362%
201	13.033	13.021	13.062	VV	98430	2331573	7.17%	0.203%
202	13.108	13.062	13.134	VV	721329	11638516	35.77%	1.015%
203	13.152	13.134	13.184	VV	94689	2698586	8.29%	0.235%
204	13.199	13.184	13.251	VV	85743	3276671	10.07%	0.286%
205	13.267	13.251	13.292	VV	82733	1898096	5.83%	0.165%
206	13.328	13.292	13.356	VV	101638	3274389	10.06%	0.285%
207	13.374	13.356	13.396	VV	81493	1853083	5.70%	0.162%
208	13.414	13.396	13.495	VV	76247	4229988	13.00%	0.369%
209	13.538	13.495	13.566	VV	78180	3113950	9.57%	0.271%
210	13.596	13.566	13.648	VV	80837	3448794	10.60%	0.301%
211	13.692	13.648	13.726	VV	649443	10665960	32.78%	0.930%
212	13.748	13.726	13.758	VV	64020	1210382	3.72%	0.106%
213	13.770	13.758	13.791	VV	65547	1206129	3.71%	0.105%
214	13.821	13.791	13.834	VV	61668	1539425	4.73%	0.134%
215	13.838	13.834	13.873	VV	61544	1305899	4.01%	0.114%
216	13.921	13.873	13.964	VV	77602	3356697	10.32%	0.293%
217	13.983	13.964	14.040	VV	61021	2470213	7.59%	0.215%
218	14.075	14.040	14.154	VV	58862	3673660	11.29%	0.320%
219	14.160	14.154	14.175	VV	51624	618447	1.90%	0.054%
220	14.190	14.175	14.223	VV	54076	1408023	4.33%	0.123%
221	14.246	14.223	14.271	VV	55102	1397278	4.29%	0.122%
222	14.282	14.271	14.288	VV	44317	444368	1.37%	0.039%
223	14.316	14.288	14.347	VV	51697	1714475	5.27%	0.149%
224	14.374	14.347	14.447	VV	57036	2852577	8.77%	0.249%
225	14.493	14.447	14.511	VV	51062	1764290	5.42%	0.154%
226	14.526	14.511	14.604	VV	46850	2372030	7.29%	0.207%
227	14.628	14.604	14.668	VV	44354	1594778	4.90%	0.139%
228	14.695	14.668	14.738	VV	44777	1713069	5.26%	0.149%
229	14.791	14.738	14.841	VV	624487	10095381	31.03%	0.880%
230	14.849	14.841	14.888	VV	44935	1160965	3.57%	0.101%
231	14.927	14.888	14.957	VV	43996	1663590	5.11%	0.145%
232	14.976	14.957	15.018	VV	38706	1377004	4.23%	0.120%
233	15.037	15.018	15.100	VV	42326	1975554	6.07%	0.172%
234	15.120	15.100	15.184	VV	40250	1891040	5.81%	0.165%
235	15.217	15.184	15.270	VV	41484	1981761	6.09%	0.173%
236	15.330	15.270	15.416	VV	45947	3567413	10.96%	0.311%
237	15.434	15.416	15.464	VV	40062	1061006	3.26%	0.092%
238	15.489	15.464	15.500	VV	36912	776010	2.38%	0.068%
239	15.523	15.500	15.537	VV	37611	814114	2.50%	0.071%
240	15.562	15.537	15.582	VV	39993	1037940	3.19%	0.090%
241	15.617	15.582	15.668	VV	47612	2151310	6.61%	0.188%
242	15.687	15.668	15.734	VV	39433	1497563	4.60%	0.131%
243	15.811	15.734	15.912	VV	613062	11712314	36.00%	1.021%
244	15.999	15.912	16.028	VV	47029	2853932	8.77%	0.249%
245	16.039	16.028	16.048	VV	42442	502400	1.54%	0.044%
246	16.063	16.048	16.074	VV	41911	670738	2.06%	0.058%

247	16.127	16.074	16.204	VV	51302	3503199	10.77%	0.305%
248	16.249	16.204	16.264	VV	43462	1493202	4.59%	0.130%
249	16.287	16.264	16.304	VV	48646	1068780	3.28%	0.093%
250	16.318	16.304	16.357	VV	42165	1286745	3.95%	0.112%
251	16.385	16.357	16.395	VV	42660	956004	2.94%	0.083%
252	16.506	16.395	16.581	VV	51733	5044841	15.50%	0.440%
253	16.612	16.581	16.668	VV	48170	2343789	7.20%	0.204%
254	16.760	16.668	16.823	VV	600537	11716231	36.01%	1.021%
255	16.845	16.823	16.864	VV	49415	1142838	3.51%	0.100%
256	16.876	16.864	16.889	VV	48184	687380	2.11%	0.060%
257	16.912	16.889	16.925	VV	49139	1030744	3.17%	0.090%
258	16.986	16.925	17.041	VV	68152	3664461	11.26%	0.319%
259	17.069	17.041	17.110	VV	51183	1991660	6.12%	0.174%
260	17.158	17.110	17.187	VV	59028	2358033	7.25%	0.206%
261	17.208	17.187	17.254	VV	50595	1936761	5.95%	0.169%
262	17.267	17.254	17.276	VV	46713	598210	1.84%	0.052%
263	17.315	17.276	17.381	VV	60222	3139832	9.65%	0.274%
264	17.396	17.381	17.451	VV	47820	1880691	5.78%	0.164%
265	17.482	17.451	17.506	VV	47868	1485432	4.57%	0.129%
266	17.532	17.506	17.553	VV	54564	1374182	4.22%	0.120%
267	17.574	17.553	17.603	VV	53590	1512018	4.65%	0.132%
268	17.646	17.603	17.731	VV	570176	10974556	33.73%	0.957%
269	17.776	17.731	17.861	VV	86620	4331194	13.31%	0.378%
270	17.874	17.861	17.905	VV	44341	1113145	3.42%	0.097%
271	17.932	17.905	17.950	VV	45188	1184914	3.64%	0.103%
272	17.977	17.950	18.041	VV	52667	2500006	7.68%	0.218%
273	18.058	18.041	18.075	VV	43473	831901	2.56%	0.073%
274	18.142	18.075	18.192	VV	89809	3595615	11.05%	0.313%
275	18.209	18.192	18.244	VV	40547	1186765	3.65%	0.103%
276	18.262	18.244	18.277	VV	38635	732098	2.25%	0.064%
277	18.299	18.277	18.317	VV	42523	960084	2.95%	0.084%
278	18.329	18.317	18.408	VV	39875	2063312	6.34%	0.180%
279	18.476	18.408	18.530	VV	534109	9951187	30.58%	0.867%
280	18.562	18.530	18.584	VV	51948	1332159	4.09%	0.116%
281	18.612	18.584	18.641	VV	45485	1348927	4.15%	0.118%
282	18.661	18.641	18.678	VV	38065	805205	2.47%	0.070%
283	18.698	18.678	18.711	VV	34660	675711	2.08%	0.059%
284	18.741	18.711	18.774	VV	38338	1345114	4.13%	0.117%
285	18.787	18.774	18.801	VV	33508	522353	1.61%	0.046%
286	18.816	18.801	18.834	VV	32957	655047	2.01%	0.057%
287	18.891	18.834	18.938	VV	45419	2240313	6.89%	0.195%
288	18.963	18.938	19.008	VV	39231	1365610	4.20%	0.119%
289	19.071	19.008	19.108	VV	36195	1907471	5.86%	0.166%
290	19.111	19.108	19.144	VV	29885	637053	1.96%	0.056%
291	19.158	19.144	19.199	VV	30535	956719	2.94%	0.083%
292	19.258	19.199	19.338	VV	535548	10142467	31.17%	0.884%
293	19.368	19.338	19.426	VV	32367	1509273	4.64%	0.132%
294	19.454	19.426	19.471	VV	30616	770588	2.37%	0.067%
295	19.478	19.471	19.496	VV	29723	439944	1.35%	0.038%
296	19.545	19.496	19.571	VV	32151	1352542	4.16%	0.118%
297	19.587	19.571	19.601	VV	30078	521581	1.60%	0.045%
298	19.669	19.601	19.715	VV	37757	2168145	6.66%	0.189%
299	19.778	19.715	19.798	VV	33324	1510765	4.64%	0.132%

rteres

300	19.840	19.798	19.924	VV	35535	2450622	7.53%	0.214%
301	19.996	19.924	20.121	VV	502386	10814499	33.24%	0.943%
302	20.176	20.121	20.211	VV	31175	1590492	4.89%	0.139%
303	20.264	20.211	20.298	VV	30898	1527428	4.69%	0.133%
304	20.305	20.298	20.315	VV	27640	294107	0.90%	0.026%
305	20.341	20.315	20.386	VV	29494	1149340	3.53%	0.100%
306	20.395	20.386	20.408	VV	25104	309631	0.95%	0.027%
307	20.471	20.408	20.499	VV	28535	1466269	4.51%	0.128%
308	20.507	20.499	20.523	VV	25831	374167	1.15%	0.033%
309	20.573	20.523	20.633	VV	26744	1569014	4.82%	0.137%
310	20.720	20.633	20.768	VV	445248	9065466	27.86%	0.790%
311	20.781	20.768	20.826	VV	20470	678059	2.08%	0.059%
312	20.838	20.826	20.848	VV	18170	230964	0.71%	0.020%
313	20.850	20.848	20.904	VV	18274	562530	1.73%	0.049%
314	20.906	20.904	20.974	VV	15871	625444	1.92%	0.055%
315	20.987	20.974	21.068	VV	15160	802879	2.47%	0.070%
316	21.130	21.068	21.239	VV	15071	1233159	3.79%	0.107%
317	21.249	21.239	21.271	VV	10184	186020	0.57%	0.016%
318	21.297	21.271	21.321	VV	9230	262238	0.81%	0.023%
319	21.336	21.321	21.366	VV	9439	230057	0.71%	0.020%
320	21.375	21.366	21.468	VV	7779	424745	1.31%	0.037%
321	21.495	21.468	21.535	VV	6668	236114	0.73%	0.021%
322	21.605	21.535	21.691	VV	310009	7858141	24.15%	0.685%
323	21.700	21.691	21.740	VV	4785	110428	0.34%	0.010%
324	21.748	21.740	21.776	VV	4344	74581	0.23%	0.007%
325	21.783	21.776	21.844	VV	3132	84812	0.26%	0.007%
326	21.854	21.844	21.862	VV	1961	16644	0.05%	0.001%
327	21.895	21.862	21.981	VV	1938	78501	0.24%	0.007%
328	21.991	21.981	22.001	VV	935	6620	0.02%	0.001%
329	22.015	22.001	22.026	VV	1242	11216	0.03%	0.001%
330	22.036	22.026	22.068	PV	892	14051	0.04%	0.001%

Sum of corrected areas: 1147146250

Aliphatic EPH 102324.M Wed Oct 30 04:00:45 2024

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

Manual Integration Report

Sequence:	FC102324AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FC102524AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC067525.D	n-Octatriacontane (C38)	yogesh	10/28/2024 9:23:51 AM	Ankita	10/28/2024 10:42:19	Peak Integrated by Software
P4518-01	FC067526.D	1-chlorooctadecane (SURR)	yogesh	10/28/2024 9:23:53 AM	Ankita	10/28/2024 10:42:21	Peak Integrated by Software
P4518-02	FC067527.D	1-chlorooctadecane (SURR)	yogesh	10/28/2024 9:23:54 AM	Ankita	10/28/2024 10:42:22	Peak Integrated by Software
P4518-03	FC067528.D	1-chlorooctadecane (SURR)	yogesh	10/28/2024 9:23:56 AM	Ankita	10/28/2024 10:42:23	Peak Integrated by Software
P4518-04	FC067529.D	1-chlorooctadecane (SURR)	yogesh	10/28/2024 9:23:57 AM	Ankita	10/28/2024 10:42:25	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067531.D	n-Dotriacontane (C32)	yogesh	10/28/2024 9:23:59 AM	Ankita	10/28/2024 10:42:26	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067531.D	n-Hexatriacontane (C36)	yogesh	10/28/2024 9:23:59 AM	Ankita	10/28/2024 10:42:26	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067531.D	n-Tetracontane (C40)	yogesh	10/28/2024 9:23:59 AM	Ankita	10/28/2024 10:42:26	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC102824AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4495-16	FC067535.D	1-chlorooctadecane (SURR)	yogesh	10/29/2024 9:22:22 AM	Ankita	10/29/2024 9:57:05	Peak Integrated by Software
P4518-05	FC067539.D	1-chlorooctadecane (SURR)	yogesh	10/29/2024 9:22:24 AM	Ankita	10/29/2024 9:57:07	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067541.D	n-Octatriacontane (C38)	yogesh	10/29/2024 9:22:26 AM	Ankita	10/29/2024 9:57:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102324AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FD102524AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048587.D	Benzo[a]pyrene (C31.34)	yogesh	10/28/2024 9:24:16 AM	Ankita	10/28/2024 10:42:43	Peak Integrated by Software
20 PPM AROMATIC HC	FD048587.D	Naphthalene (C11.7)	yogesh	10/28/2024 9:24:16 AM	Ankita	10/28/2024 10:42:43	Peak Integrated by Software
20 PPM AROMATIC HC	FD048587.D	ortho-Terphenyl (SURR)	yogesh	10/28/2024 9:24:16 AM	Ankita	10/28/2024 10:42:43	Peak Integrated by Software
PP23916	FD048588.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/28/2024 9:24:18 AM	Ankita	10/28/2024 10:42:44	Peak Integrated by Software
PP23916	FD048588.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/28/2024 9:24:18 AM	Ankita	10/28/2024 10:42:44	Peak Integrated by Software
P4518-01	FD048589.D	2-Bromonaphthalene (SURR)	yogesh	10/28/2024 9:24:19 AM	Ankita	10/28/2024 10:42:45	Peak Integrated by Software
P4518-01	FD048589.D	2-Flurobiphenyl (SURR)	yogesh	10/28/2024 9:24:19 AM	Ankita	10/28/2024 10:42:45	Peak Integrated by Software
P4518-01	FD048589.D	ortho-Terphenyl (SURR)	yogesh	10/28/2024 9:24:19 AM	Ankita	10/28/2024 10:42:45	Peak Integrated by Software
P4518-02	FD048590.D	2-Bromonaphthalene (SURR)	yogesh	10/28/2024 9:24:21 AM	Ankita	10/28/2024 10:42:47	Peak Integrated by Software
P4518-02	FD048590.D	2-Flurobiphenyl (SURR)	yogesh	10/28/2024 9:24:21 AM	Ankita	10/28/2024 10:42:47	Peak Integrated by Software
P4518-02	FD048590.D	ortho-Terphenyl (SURR)	yogesh	10/28/2024 9:24:21 AM	Ankita	10/28/2024 10:42:47	Peak Integrated by Software
P4518-03	FD048591.D	2-Bromonaphthalene (SURR)	yogesh	10/28/2024 9:24:22 AM	Ankita	10/28/2024 10:42:48	Peak Integrated by Software
P4518-03	FD048591.D	2-Flurobiphenyl (SURR)	yogesh	10/28/2024 9:24:22 AM	Ankita	10/28/2024 10:42:48	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102524AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4518-03	FD048591.D	ortho-Terphenyl (SURR)	yogesh	10/28/2024 9:24:22 AM	Ankita	10/28/2024 10:42:48	Peak Integrated by Software
P4518-04	FD048592.D	2-Bromonaphthalene (SURR)	yogesh	10/28/2024 9:24:24 AM	Ankita	10/28/2024 10:42:49	Peak Integrated by Software
P4518-04	FD048592.D	2-Flurobiphenyl (SURR)	yogesh	10/28/2024 9:24:24 AM	Ankita	10/28/2024 10:42:49	Peak Integrated by Software
P4518-04	FD048592.D	ortho-Terphenyl (SURR)	yogesh	10/28/2024 9:24:24 AM	Ankita	10/28/2024 10:42:49	Peak Integrated by Software
20 PPM AROMATIC HC	FD048594.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/28/2024 9:24:26 AM	Ankita	10/28/2024 10:42:52	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4495-16	FD048598.D	2-Bromonaphthalene (SURR)	yogesh	10/29/2024 9:22:48 AM	Ankita	10/29/2024 9:55:52	Peak Integrated by Software
P4495-16	FD048598.D	2-Flurobiphenyl (SURR)	yogesh	10/29/2024 9:22:48 AM	Ankita	10/29/2024 9:55:52	Peak Integrated by Software
P4495-16	FD048598.D	ortho-Terphenyl (SURR)	yogesh	10/29/2024 9:22:48 AM	Ankita	10/29/2024 9:55:52	Peak Integrated by Software
P4495-16DL	FD048599.D	2-Bromonaphthalene (SURR)	yogesh	10/29/2024 9:22:50 AM	Ankita	10/29/2024 9:56:04	Peak Integrated by Software
P4495-16DL	FD048599.D	2-Flurobiphenyl (SURR)	yogesh	10/29/2024 9:22:50 AM	Ankita	10/29/2024 9:56:04	Peak Integrated by Software
P4495-16DL	FD048599.D	ortho-Terphenyl (SURR)	yogesh	10/29/2024 9:22:50 AM	Ankita	10/29/2024 9:56:04	Peak Integrated by Software
P4518-05	FD048600.D	2-Bromonaphthalene (SURR)	yogesh	10/29/2024 9:22:52 AM	Ankita	10/29/2024 9:56:05	Peak Integrated by Software
P4518-05	FD048600.D	2-Flurobiphenyl (SURR)	yogesh	10/29/2024 9:22:52 AM	Ankita	10/29/2024 9:56:05	Peak Integrated by Software
P4518-05	FD048600.D	ortho-Terphenyl (SURR)	yogesh	10/29/2024 9:22:52 AM	Ankita	10/29/2024 9:56:05	Peak Integrated by Software
20 PPM AROMATIC HC	FD048602.D	2-Bromonaphthalene (SURR)	yogesh	10/29/2024 9:22:53 AM	Ankita	10/29/2024 9:56:12	Peak Integrated by Software
20 PPM AROMATIC HC	FD048602.D	Flouorene (C16.55)	yogesh	10/29/2024 9:22:53 AM	Ankita	10/29/2024 9:56:12	Peak Integrated by Software
PB164396BS	FD048604.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/29/2024 9:22:55 AM	Ankita	10/29/2024 9:56:14	Peak Integrated by Software
PB164396BS	FD048604.D	Fluoranthene (C21.85)	yogesh	10/29/2024 9:22:55 AM	Ankita	10/29/2024 9:56:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164396BSD	FD048605.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/29/2024 9:22:56 AM	Ankita	10/29/2024 9:56:21	Peak Integrated by Software
PB164396BSD	FD048605.D	Fluoranthene (C21.85)	yogesh	10/29/2024 9:22:56 AM	Ankita	10/29/2024 9:56:21	Peak Integrated by Software
P4518-05D	FD048606.D	2-Bromonaphthalene (SURR)	yogesh	10/29/2024 9:22:58 AM	Ankita	10/29/2024 9:56:23	Peak Integrated by Software
P4518-05D	FD048606.D	2-Flurobiphenyl (SURR)	yogesh	10/29/2024 9:22:58 AM	Ankita	10/29/2024 9:56:23	Peak Integrated by Software
P4518-05D	FD048606.D	ortho-Terphenyl (SURR)	yogesh	10/29/2024 9:22:58 AM	Ankita	10/29/2024 9:56:23	Peak Integrated by Software
P4518-05MS	FD048607.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Acenaphthene (C15.5)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Acenaphthylene (C15.06)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Anthracene (C19.43)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Benzo[a]anthracene (C26.37)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Flouorene (C16.55)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4518-05MS	FD048607.D	Fluoranthene (C21.85)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Naphthalene (C11.7)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Phenanthrene (C19.36)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MS	FD048607.D	Pyrene (C20.8)	yogesh	10/30/2024 8:34:41 AM	Ankita	10/30/2024 3:21:32	Peak Integrated by Software
P4518-05MSD	FD048608.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Acenaphthene (C15.5)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Acenaphthylene (C15.06)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Anthracene (C19.43)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Flouorene (C16.55)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Fluoranthene (C21.85)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4518-05MSD	FD048608.D	Naphthalene (C11.7)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Phenanthrene (C19.36)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-05MSD	FD048608.D	Pyrene (C20.8)	yogesh	10/30/2024 8:34:44 AM	Ankita	10/30/2024 3:21:35	Peak Integrated by Software
P4518-01DL	FD048609.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:46 AM	Ankita	10/30/2024 3:21:37	Peak Integrated by Software
P4518-01DL	FD048609.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:46 AM	Ankita	10/30/2024 3:21:37	Peak Integrated by Software
P4518-01DL	FD048609.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:46 AM	Ankita	10/30/2024 3:21:37	Peak Integrated by Software
P4518-02DL	FD048610.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:48 AM	Ankita	10/30/2024 3:21:39	Peak Integrated by Software
P4518-02DL	FD048610.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:48 AM	Ankita	10/30/2024 3:21:39	Peak Integrated by Software
P4518-02DL	FD048610.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:48 AM	Ankita	10/30/2024 3:21:39	Peak Integrated by Software
P4518-02DL2	FD048611.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:50 AM	Ankita	10/30/2024 3:21:40	Peak Integrated by Software
P4518-02DL2	FD048611.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:50 AM	Ankita	10/30/2024 3:21:40	Peak Integrated by Software
P4518-02DL2	FD048611.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:50 AM	Ankita	10/30/2024 3:21:40	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4518-03DL	FD048612.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:52 AM	Ankita	10/30/2024 3:21:42	Peak Integrated by Software
P4518-03DL	FD048612.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:52 AM	Ankita	10/30/2024 3:21:42	Peak Integrated by Software
P4518-03DL	FD048612.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:52 AM	Ankita	10/30/2024 3:21:42	Peak Integrated by Software
P4518-04DL	FD048615.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:54 AM	Ankita	10/30/2024 3:21:44	Peak Integrated by Software
P4518-04DL	FD048615.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:54 AM	Ankita	10/30/2024 3:21:44	Peak Integrated by Software
P4518-04DL	FD048615.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:54 AM	Ankita	10/30/2024 3:21:44	Peak Integrated by Software
P4518-04DL2	FD048616.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:56 AM	Ankita	10/30/2024 3:21:46	Peak Integrated by Software
P4518-04DL2	FD048616.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:56 AM	Ankita	10/30/2024 3:21:46	Peak Integrated by Software
P4518-04DL2	FD048616.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:56 AM	Ankita	10/30/2024 3:21:46	Peak Integrated by Software
P4518-05DL	FD048617.D	2-Bromonaphthalene (SURR)	yogesh	10/30/2024 8:34:58 AM	Ankita	10/30/2024 3:21:50	Peak Integrated by Software
P4518-05DL	FD048617.D	2-Flurobiphenyl (SURR)	yogesh	10/30/2024 8:34:58 AM	Ankita	10/30/2024 3:21:50	Peak Integrated by Software
P4518-05DL	FD048617.D	ortho-Terphenyl (SURR)	yogesh	10/30/2024 8:34:58 AM	Ankita	10/30/2024 3:21:50	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD102824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102324AL

Review By	yogesh	Review On	10/23/2024 4:03:24 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:51 AM		
SubDirectory	FC102324AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067504.D	23 Oct 2024 13:59	YP/AJ	Ok
2	I.BLK	FC067505.D	23 Oct 2024 14:35	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067506.D	23 Oct 2024 15:12	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067507.D	23 Oct 2024 15:48	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067508.D	23 Oct 2024 16:25	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067509.D	23 Oct 2024 17:02	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067510.D	23 Oct 2024 17:38	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067511.D	23 Oct 2024 18:14	YP/AJ	Ok
9	I.BLK	FC067512.D	23 Oct 2024 19:27	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067513.D	23 Oct 2024 20:03	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102524AL

Review By	yogesh	Review On	10/25/2024 1:36:30 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:42:30 AM		
SubDirectory	FC102524AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067523.D	25 Oct 2024 09:25	YP/AJ	Ok
2	I.BLK	FC067524.D	25 Oct 2024 12:54	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067525.D	25 Oct 2024 13:29	YP/AJ	Ok,M
4	P4518-01	FC067526.D	25 Oct 2024 16:18	YP/AJ	Dilution
5	P4518-02	FC067527.D	25 Oct 2024 16:54	YP/AJ	Dilution
6	P4518-03	FC067528.D	25 Oct 2024 17:30	YP/AJ	Dilution
7	P4518-04	FC067529.D	25 Oct 2024 18:06	YP/AJ	Dilution
8	I.BLK	FC067530.D	25 Oct 2024 19:18	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC067531.D	25 Oct 2024 19:54	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102824AL

Review By	yogesh	Review On	10/28/2024 12:50:22 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:57:12 AM		
SubDirectory	FC102824AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067532.D	28 Oct 2024 08:05	YP/AJ	Ok
2	I.BLK	FC067533.D	28 Oct 2024 08:40	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067534.D	28 Oct 2024 09:16	YP/AJ	Ok
4	P4495-16	FC067535.D	28 Oct 2024 09:53	YP/AJ	Dilution
5	P4495-16DL	FC067536.D	28 Oct 2024 10:32	YP/AJ	Dilution
6	P4495-16DL2	FC067537.D	28 Oct 2024 11:26	YP/AJ	Dilution
7	P4495-16DL3	FC067538.D	28 Oct 2024 12:03	YP/AJ	Ok
8	P4518-05	FC067539.D	28 Oct 2024 12:40	YP/AJ	Dilution
9	I.BLK	FC067540.D	28 Oct 2024 13:17	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067541.D	28 Oct 2024 13:55	YP/AJ	Ok,M
11	PB164396BL	FC067542.D	28 Oct 2024 14:32	YP/AJ	Ok
12	PB164396BS	FC067543.D	28 Oct 2024 15:08	YP/AJ	Ok
13	PB164396BSD	FC067544.D	28 Oct 2024 15:50	YP/AJ	Ok
14	P4518-05D	FC067545.D	28 Oct 2024 16:27	YP/AJ	Ok
15	P4518-05MS	FC067546.D	28 Oct 2024 17:03	YP/AJ	Ok
16	P4518-05MSD	FC067547.D	28 Oct 2024 17:39	YP/AJ	Ok
17	P4518-01DL	FC067548.D	28 Oct 2024 18:16	YP/AJ	Dilution
18	P4518-01DL2	FC067549.D	28 Oct 2024 18:52	YP/AJ	Ok
19	P4518-02DL	FC067550.D	29 Oct 2024 07:42	YP/AJ	Dilution
20	I.BLK	FC067551.D	29 Oct 2024 08:17	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC067552.D	29 Oct 2024 08:54	YP/AJ	Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102824AL

Review By	yogesh	Review On	10/28/2024 12:50:22 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:57:12 AM		
SubDirectory	FC102824AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4518-02DL2	FC067553.D	29 Oct 2024 09:31	YP/AJ	Ok
23	P4518-03DL	FC067554.D	29 Oct 2024 10:08	YP/AJ	Dilution
24	P4518-03DL2	FC067555.D	29 Oct 2024 10:46	YP/AJ	Ok
25	P4518-04DL	FC067556.D	29 Oct 2024 11:23	YP/AJ	Dilution
26	P4518-04DL2	FC067557.D	29 Oct 2024 12:00	YP/AJ	Ok
27	P4518-05DL	FC067558.D	29 Oct 2024 12:38	YP/AJ	Dilution
28	P4518-05DL2	FC067559.D	29 Oct 2024 13:15	YP/AJ	Ok
29	I.BLK	FC067560.D	29 Oct 2024 13:52	YP/AJ	Ok
30	20 PPM ALIPHATIC HC STD	FC067561.D	29 Oct 2024 14:27	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102324AR

Review By	yogesh	Review On	10/23/2024 4:04:27 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:45 AM		
SubDirectory	FD102324AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048566.D	23 Oct 2024 13:59	YP/AJ	Ok
2	I.BLK	FD048567.D	23 Oct 2024 14:35	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048568.D	23 Oct 2024 15:12	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048569.D	23 Oct 2024 15:48	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048570.D	23 Oct 2024 16:25	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048571.D	23 Oct 2024 17:02	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048572.D	23 Oct 2024 17:38	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048573.D	23 Oct 2024 18:14	YP/AJ	Ok
9	I.BLK	FD048574.D	23 Oct 2024 19:27	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048575.D	23 Oct 2024 20:03	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102524AR

Review By	yogesh	Review On	10/25/2024 1:37:37 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:43:11 AM		
SubDirectory	FD102524AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048585.D	25 Oct 2024 09:25	YP/AJ	Ok
2	I.BLK	FD048586.D	25 Oct 2024 12:54	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048587.D	25 Oct 2024 13:29	YP/AJ	Ok,M
4	PP23916	FD048588.D	25 Oct 2024 15:42	YP/AJ	Ok,M
5	P4518-01	FD048589.D	25 Oct 2024 16:18	YP/AJ	Dilution
6	P4518-02	FD048590.D	25 Oct 2024 16:54	YP/AJ	Dilution
7	P4518-03	FD048591.D	25 Oct 2024 17:30	YP/AJ	Dilution
8	P4518-04	FD048592.D	25 Oct 2024 18:06	YP/AJ	Dilution
9	I.BLK	FD048593.D	25 Oct 2024 19:18	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048594.D	25 Oct 2024 19:54	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102824AR

Review By	yogesh	Review On	10/28/2024 12:51:26 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:56:56 AM		
SubDirectory	FD102824AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048595.D	28 Oct 2024 08:05	YP/AJ	Ok
2	I.BLK	FD048596.D	28 Oct 2024 08:40	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048597.D	28 Oct 2024 09:53	YP/AJ	Ok
4	P4495-16	FD048598.D	28 Oct 2024 10:32	YP/AJ	Dilution
5	P4495-16DL	FD048599.D	28 Oct 2024 11:26	YP/AJ	Ok,M
6	P4518-05	FD048600.D	28 Oct 2024 12:03	YP/AJ	Dilution
7	I.BLK	FD048601.D	28 Oct 2024 12:40	YP/AJ	Ok
8	20 PPM AROMATIC HC STD	FD048602.D	28 Oct 2024 13:17	YP/AJ	Ok,M
9	PB164396BL	FD048603.D	28 Oct 2024 13:55	YP/AJ	Ok
10	PB164396BS	FD048604.D	28 Oct 2024 14:32	YP/AJ	Ok,M
11	PB164396BSD	FD048605.D	28 Oct 2024 15:08	YP/AJ	Ok,M
12	P4518-05D	FD048606.D	28 Oct 2024 15:50	YP/AJ	Ok,M
13	P4518-05MS	FD048607.D	28 Oct 2024 16:27	YP/AJ	Ok,M
14	P4518-05MSD	FD048608.D	28 Oct 2024 17:03	YP/AJ	Ok,M
15	P4518-01DL	FD048609.D	28 Oct 2024 17:39	YP/AJ	Ok,M
16	P4518-02DL	FD048610.D	28 Oct 2024 18:16	YP/AJ	Dilution
17	P4518-02DL2	FD048611.D	28 Oct 2024 18:52	YP/AJ	Ok,M
18	P4518-03DL	FD048612.D	29 Oct 2024 07:42	YP/AJ	Ok,M
19	I.BLK	FD048613.D	29 Oct 2024 08:17	YP/AJ	Ok
20	20 PPM AROMATIC HC STD	FD048614.D	29 Oct 2024 08:54	YP/AJ	Ok
21	P4518-04DL	FD048615.D	29 Oct 2024 09:31	YP/AJ	Dilution

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102824AR

Review By	yogesh	Review On	10/28/2024 12:51:26 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:56:56 AM		
SubDirectory	FD102824AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4518-04DL2	FD048616.D	29 Oct 2024 10:08	YP/AJ	Ok,M
23	P4518-05DL	FD048617.D	29 Oct 2024 10:46	YP/AJ	Ok,M
24	I.BLK	FD048618.D	29 Oct 2024 11:23	YP/AJ	Ok
25	20 PPM AROMATIC HC STD	FD048619.D	29 Oct 2024 12:00	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102324AL

Review By	yogesh	Review On	10/23/2024 4:03:24 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:51 AM		
SubDirectory	FC102324AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067504.D	23 Oct 2024 13:59		YP/AJ	Ok
2	I.BLK	I.BLK	FC067505.D	23 Oct 2024 14:35		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067506.D	23 Oct 2024 15:12		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067507.D	23 Oct 2024 15:48		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067508.D	23 Oct 2024 16:25		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067509.D	23 Oct 2024 17:02		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067510.D	23 Oct 2024 17:38		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067511.D	23 Oct 2024 18:14		YP/AJ	Ok
9	I.BLK	I.BLK	FC067512.D	23 Oct 2024 19:27		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067513.D	23 Oct 2024 20:03		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102524AL

Review By	yogesh	Review On	10/25/2024 1:36:30 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:42:30 AM		
SubDirectory	FC102524AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067523.D	25 Oct 2024 09:25		YP/AJ	Ok
2	I.BLK	I.BLK	FC067524.D	25 Oct 2024 12:54		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067525.D	25 Oct 2024 13:29		YP/AJ	Ok,M
4	P4518-01	EX-5-TPH-1	FC067526.D	25 Oct 2024 16:18	need 5x & 25x dilution	YP/AJ	Dilution
5	P4518-02	EX-5-TPH-2	FC067527.D	25 Oct 2024 16:54	need 5x & 25x dilution	YP/AJ	Dilution
6	P4518-03	EX-5-TPH-3	FC067528.D	25 Oct 2024 17:30	need 5x & 20x dilution	YP/AJ	Dilution
7	P4518-04	EX-5-TPH-4	FC067529.D	25 Oct 2024 18:06	need 10x & 100x dilution	YP/AJ	Dilution
8	I.BLK	I.BLK	FC067530.D	25 Oct 2024 19:18		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067531.D	25 Oct 2024 19:54		YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102824AL

Review By	yogesh	Review On	10/28/2024 12:50:22 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:57:12 AM		
SubDirectory	FC102824AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067532.D	28 Oct 2024 08:05		YP/AJ	Ok
2	I.BLK	I.BLK	FC067533.D	28 Oct 2024 08:40		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067534.D	28 Oct 2024 09:16		YP/AJ	Ok
4	P4495-16	PT-NJEPH-SOIL	FC067535.D	28 Oct 2024 09:53	need 5x 10x & 25x dilution	YP/AJ	Dilution
5	P4495-16DL	PT-NJEPH-SOILDL	FC067536.D	28 Oct 2024 10:32	need further dilution	YP/AJ	Dilution
6	P4495-16DL2	PT-NJEPH-SOILDL2	FC067537.D	28 Oct 2024 11:26	need further dilution	YP/AJ	Dilution
7	P4495-16DL3	PT-NJEPH-SOILDL3	FC067538.D	28 Oct 2024 12:03		YP/AJ	Ok
8	P4518-05	EX-5-TPH-5	FC067539.D	28 Oct 2024 12:40	need 5x & 20x dilution	YP/AJ	Dilution
9	I.BLK	I.BLK	FC067540.D	28 Oct 2024 13:17		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067541.D	28 Oct 2024 13:55		YP/AJ	Ok,M
11	PB164396BL	PB164396BL	FC067542.D	28 Oct 2024 14:32		YP/AJ	Ok
12	PB164396BS	PB164396BS	FC067543.D	28 Oct 2024 15:08		YP/AJ	Ok
13	PB164396BSD	PB164396BSD	FC067544.D	28 Oct 2024 15:50		YP/AJ	Ok
14	P4518-05D	P4518-05D	FC067545.D	28 Oct 2024 16:27		YP/AJ	Ok
15	P4518-05MS	EX-5-TPH-5MS	FC067546.D	28 Oct 2024 17:03	FC067539.D	YP/AJ	Ok
16	P4518-05MSD	EX-5-TPH-5MSD	FC067547.D	28 Oct 2024 17:39	FC067539.D!FC067546.D	YP/AJ	Ok
17	P4518-01DL	EX-5-TPH-1DL	FC067548.D	28 Oct 2024 18:16	Need further dilution	YP/AJ	Dilution
18	P4518-01DL2	EX-5-TPH-1DL2	FC067549.D	28 Oct 2024 18:52		YP/AJ	Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102824AL

Review By	yogesh	Review On	10/28/2024 12:50:22 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:57:12 AM		
SubDirectory	FC102824AL	HP Acquire Method		HP Processing Method	FC102324AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4518-02DL	EX-5-TPH-2DL	FC067550.D	29 Oct 2024 07:42	Need further dilution	YP/AJ	Dilution
20	I.BLK	I.BLK	FC067551.D	29 Oct 2024 08:17		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067552.D	29 Oct 2024 08:54		YP/AJ	Ok
22	P4518-02DL2	EX-5-TPH-2DL2	FC067553.D	29 Oct 2024 09:31		YP/AJ	Ok
23	P4518-03DL	EX-5-TPH-3DL	FC067554.D	29 Oct 2024 10:08	Need further dilution	YP/AJ	Dilution
24	P4518-03DL2	EX-5-TPH-3DL2	FC067555.D	29 Oct 2024 10:46		YP/AJ	Ok
25	P4518-04DL	EX-5-TPH-4DL	FC067556.D	29 Oct 2024 11:23	Need further dilution	YP/AJ	Dilution
26	P4518-04DL2	EX-5-TPH-4DL2	FC067557.D	29 Oct 2024 12:00		YP/AJ	Ok
27	P4518-05DL	EX-5-TPH-5DL	FC067558.D	29 Oct 2024 12:38	Need further dilution	YP/AJ	Dilution
28	P4518-05DL2	EX-5-TPH-5DL2	FC067559.D	29 Oct 2024 13:15		YP/AJ	Ok
29	I.BLK	I.BLK	FC067560.D	29 Oct 2024 13:52		YP/AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067561.D	29 Oct 2024 14:27		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102324AR

Review By	yogesh	Review On	10/23/2024 4:04:27 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:45 AM		
SubDirectory	FD102324AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048566.D	23 Oct 2024 13:59		YP/AJ	Ok
2	I.BLK	I.BLK	FD048567.D	23 Oct 2024 14:35		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048568.D	23 Oct 2024 15:12		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048569.D	23 Oct 2024 15:48		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048570.D	23 Oct 2024 16:25		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048571.D	23 Oct 2024 17:02		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048572.D	23 Oct 2024 17:38		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048573.D	23 Oct 2024 18:14		YP/AJ	Ok
9	I.BLK	I.BLK	FD048574.D	23 Oct 2024 19:27		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048575.D	23 Oct 2024 20:03		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102524AR

Review By	yogesh	Review On	10/25/2024 1:37:37 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:43:11 AM		
SubDirectory	FD102524AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048585.D	25 Oct 2024 09:25		YP/AJ	Ok
2	I.BLK	I.BLK	FD048586.D	25 Oct 2024 12:54		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048587.D	25 Oct 2024 13:29		YP/AJ	Ok,M
4	PP23916	PP23916	FD048588.D	25 Oct 2024 15:42		YP/AJ	Ok,M
5	P4518-01	EX-5-TPH-1	FD048589.D	25 Oct 2024 16:18	need 10x dilution	YP/AJ	Dilution
6	P4518-02	EX-5-TPH-2	FD048590.D	25 Oct 2024 16:54	need 2x & 20x dilution	YP/AJ	Dilution
7	P4518-03	EX-5-TPH-3	FD048591.D	25 Oct 2024 17:30	need 10x dilution	YP/AJ	Dilution
8	P4518-04	EX-5-TPH-4	FD048592.D	25 Oct 2024 18:06	need 5x & 20x dilution	YP/AJ	Dilution
9	I.BLK	I.BLK	FD048593.D	25 Oct 2024 19:18		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048594.D	25 Oct 2024 19:54		YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102824AR

Review By	yogesh	Review On	10/28/2024 12:51:26 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:56:56 AM		
SubDirectory	FD102824AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048595.D	28 Oct 2024 08:05		YP/AJ	Ok
2	I.BLK	I.BLK	FD048596.D	28 Oct 2024 08:40		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048597.D	28 Oct 2024 09:53		YP/AJ	Ok
4	P4495-16	PT-NJEPH-SOIL	FD048598.D	28 Oct 2024 10:32	need 5x dilution	YP/AJ	Dilution
5	P4495-16DL	PT-NJEPH-SOILDL	FD048599.D	28 Oct 2024 11:26		YP/AJ	Ok,M
6	P4518-05	EX-5-TPH-5	FD048600.D	28 Oct 2024 12:03	need 5x dilution	YP/AJ	Dilution
7	I.BLK	I.BLK	FD048601.D	28 Oct 2024 12:40		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048602.D	28 Oct 2024 13:17		YP/AJ	Ok,M
9	PB164396BL	PB164396BL	FD048603.D	28 Oct 2024 13:55		YP/AJ	Ok
10	PB164396BS	PB164396BS	FD048604.D	28 Oct 2024 14:32		YP/AJ	Ok,M
11	PB164396BSD	PB164396BSD	FD048605.D	28 Oct 2024 15:08		YP/AJ	Ok,M
12	P4518-05D	P4518-05D	FD048606.D	28 Oct 2024 15:50		YP/AJ	Ok,M
13	P4518-05MS	EX-5-TPH-5MS	FD048607.D	28 Oct 2024 16:27	FD048600.D	YP/AJ	Ok,M
14	P4518-05MSD	EX-5-TPH-5MSD	FD048608.D	28 Oct 2024 17:03	FD048600.D!FD048607.D	YP/AJ	Ok,M
15	P4518-01DL	EX-5-TPH-1DL	FD048609.D	28 Oct 2024 17:39		YP/AJ	Ok,M
16	P4518-02DL	EX-5-TPH-2DL	FD048610.D	28 Oct 2024 18:16	need further dilution	YP/AJ	Dilution
17	P4518-02DL2	EX-5-TPH-2DL2	FD048611.D	28 Oct 2024 18:52		YP/AJ	Ok,M
18	P4518-03DL	EX-5-TPH-3DL	FD048612.D	29 Oct 2024 07:42		YP/AJ	Ok,M

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102824AR

Review By	yogesh	Review On	10/28/2024 12:51:26 PM		
Supervise By	Ankita	Supervise On	10/29/2024 9:56:56 AM		
SubDirectory	FD102824AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	FD048613.D	29 Oct 2024 08:17		YP/AJ	Ok
20	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048614.D	29 Oct 2024 08:54		YP/AJ	Ok
21	P4518-04DL	EX-5-TPH-4DL	FD048615.D	29 Oct 2024 09:31	need further dilution	YP/AJ	Dilution
22	P4518-04DL2	EX-5-TPH-4DL2	FD048616.D	29 Oct 2024 10:08		YP/AJ	Ok,M
23	P4518-05DL	EX-5-TPH-5DL	FD048617.D	29 Oct 2024 10:46		YP/AJ	Ok,M
24	I.BLK	I.BLK	FD048618.D	29 Oct 2024 11:23		YP/AJ	Ok
25	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048619.D	29 Oct 2024 12:00		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 10/25/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133108

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
P4509-01	AU-06-10232024	1	1.15	8.65	9.8	9.02	91.0	
P4518-01	EX-5-TPH-1	2	1.18	8.55	9.73	7.89	78.5	
P4518-02	EX-5-TPH-2	3	1.15	8.84	9.99	8.15	79.2	
P4518-03	EX-5-TPH-3	4	1.19	8.61	9.8	8.43	84.1	
P4518-04	EX-5-TPH-4	5	1.18	8.53	9.71	8.02	80.2	
P4518-05	EX-5-TPH-5	6	1.16	8.51	9.67	7.45	73.9	
P4531-01	OR-03-102424	7	1.19	8.61	9.8	9.31	94.3	
P4531-02	OR-03-102424-E2	8	1.19	8.63	9.82	9.34	94.4	
P4545-01	VNJ-215	15	1.13	8.69	9.82	8.69	87.0	
P4545-02	VNJ-215	16	1.13	8.69	9.82	8.69	87.0	
P4547-01	BP-F-21	9	1.14	8.82	9.96	8.98	88.9	
P4547-02	BP-F-21-EPH	10	1.18	8.66	9.84	8.83	88.3	
P4547-03	BP-F-21-VOC	11	1.13	8.75	9.88	8.81	87.8	
P4547-05	BP-F-20	12	1.16	8.80	9.96	8.78	86.6	
P4547-06	BP-F-20-EPH	13	1.18	8.43	9.61	8.45	86.2	
P4547-07	BP-F-20-VOC	14	1.14	8.85	9.99	8.82	86.8	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB 133108

WorkList Name : %1-102424 **WorkList ID :** 184723 **Department :** Wet-Chemistry **Date :** 10-24-2024 08:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4509-01	AU-06-10232024	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/23/2024	Chemtech -SO
P4518-01	EX-5-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-02	EX-5-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-03	EX-5-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-04	EX-5-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-05	EX-5-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4531-01	OR-03-102424	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/24/2024	Chemtech -SO
P4531-02	OR-03-102424-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/24/2024	Chemtech -SO
P4545-01	VNJ-215	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/24/2024	Chemtech -SO
P4545-02	VNJ-215	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/24/2024	Chemtech -SO
P4547-01	BP-F-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-02	BP-F-21-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-03	BP-F-21-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-05	BP-F-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-06	BP-F-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-07	BP-F-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO

Date/Time 10/24/24 16:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/24/24 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164396

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/25/2024
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RS	**Extraction End Date :**	10/25/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	15:55
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
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP238962
Spike Sol 1	1.0ML	100 PPM	PP23712
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	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/25/24	RP (Ext. Lab)	Y. P. Pest/PCB.
16:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164396

Analytical Method: MNJDEP-EPH-7 **Concentration Date:** 10/25/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164396BL	PB164396BL	EPH	30.01	N/A	ritesh	Evelyn	2			U1-1
PB164396BS	PB164396BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB164396BSD	PB164396BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
P4495-16	PT-NJEPH-SOIL	EPH	20.27	N/A	ritesh	Evelyn	2			4
P4518-01	EX-5-TPH-1	EPH	30.07	N/A	ritesh	Evelyn	2	E		5
P4518-02	EX-5-TPH-2	EPH	30.05	N/A	ritesh	Evelyn	2	E		6
P4518-03	EX-5-TPH-3	EPH	30.03	N/A	ritesh	Evelyn	2	E		U5-1
P4518-04	EX-5-TPH-4	EPH	30.08	N/A	ritesh	Evelyn	2	E		2
P4518-05	EX-5-TPH-5	EPH	30.10	N/A	ritesh	Evelyn	2	E		3
P4518-05DUP	EX-5-TPH-5DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		4
P4518-05MS	EX-5-TPH-5MS	EPH	30.02	N/A	ritesh	Evelyn	2	E		5
P4518-05MSD	EX-5-TPH-5MSD	EPH	30.06	N/A	ritesh	Evelyn	2	E		6

* **Extracts relinquished on the same date as received.**

10/25/24

164396
9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4518N **WorkList ID :** 184766 **Department :** Extraction **Date :** 10-25-2024 08:45:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4495-16	PT-NJEPH-SOIL	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	10/21/2024	NJEPH
P4518-01	EX-5-TPH-1	Solid	EPH	Cool 4 deg C	ENTA05	K61	10/23/2024	NJEPH
P4518-02	EX-5-TPH-2	Solid	EPH	Cool 4 deg C	ENTA05	K61	10/23/2024	NJEPH
P4518-03	EX-5-TPH-3	Solid	EPH	Cool 4 deg C	ENTA05	K61	10/23/2024	NJEPH
P4518-04	EX-5-TPH-4	Solid	EPH	Cool 4 deg C	ENTA05	K61	10/23/2024	NJEPH
P4518-05	EX-5-TPH-5	Solid	EPH	Cool 4 deg C	ENTA05	K61	10/23/2024	NJEPH
P4531-01	OR-03-102424	Solid	EPH_NF	Cool 4 deg C	PSEG05	K61	10/24/2024	NJEPH
P4531-02	OR-03-102424-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	K61	10/24/2024	NJEPH
P4545-01	VNJ-215	Solid	EPH_NF	Cool 4 deg C	PSEG03	K61	10/24/2024	NJEPH
P4547-01	BP-F-21	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/24/2024	NJEPH
P4547-02	BP-F-21-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/24/2024	NJEPH
P4547-05	BP-F-20	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/24/2024	NJEPH
P4547-06	BP-F-20-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/24/2024	NJEPH

Date/Time 10/25/24 9:00
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: [signature]

Date/Time 10/25/24 9:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (Ext Lab)

SHIPPING DOCUMENTS

P4518

ENTACT

CHAIN OF CUSTODY RECORD

NO. 1 OF 1

COMPANY INFORMATION		PROJECT INFORMATION	
LOCATION	ENTACT LLC	PROJECT	North Point
ATTN	Wyatt Seel	BILLING INFORMATION	
ADDRESS	150 Bay Street, Suite 801	BILL TO	ENTACT LLC
	Jersey City, NJ	ADDRESS	999 Oakmont Plaza Drive Suite 300
			Westmont, IL 60559
PHONE	419-266-4671	PHONE	630-986-2900
FAX		FAX	PO# E9306

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS	TPH analysis (GRO, DRO, EPH Cat 2)								COMMENTS
EX-5-TPH-1	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz	2	X								
EX-5-TPH-2	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz	2	X								
EX-5-TPH-3	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz	2	X								
EX-5-TPH-4	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz	2	X								
EX-5-TPH-5	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz	2	X								

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:	10-23-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Austin Formenti / ENTACT	15:35	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	
1. RECEIVED BY	**DATE**	**2. RECEIVED BY**	**DATE**	**3. RECEIVED BY**	**DATE**
SIGNATURE:	10-23-24	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Cassarova	15:35	PRINTED NAME/COMPANY:		PRINTED NAME/COMPANY:	

2.3°C

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4518 ENTA05
Client Name : ENTACT
Client Contact : Wyatt Seel
Invoice Name : ENTACT
Invoice Contact : Wyatt Seel

Order Date : 10/23/2024 3:37:00 PM
Project Name : North Point
Receive DateTime : 10/23/2024 3:35:00 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
P4518-01	EX-5-TPH-1	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4518-02	EX-5-TPH-2	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4518-03	EX-5-TPH-3	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4518-04	EX-5-TPH-4	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D		5 Bus. Days
P4518-05	EX-5-TPH-5	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D		5 Bus. Days

Relinguished By : OP
Date / Time : 10-23-24 1610

Received By : Sam
Date / Time : 10/23/24 16:10 AM #22

Storage Area : VOA Refridgerator Room