

Cover Page

Order ID : Q2600

Project ID : Kingsland Point Park Water Main

Client : T&A Construction Inc

Lab Sample Number

Q2600-01
Q2600-02
Q2600-03
Q2600-04
Q2600-05
Q2600-06
Q2600-07
Q2600-08
Q2600-09
Q2600-10
Q2600-11
Q2600-12

Client Sample Number

TRENCH
TRENCH
TRENCH
TRENCH
STOCK-PILE
STOCK-PILE
STOCK-PILE
STOCK-PILE
END-OF-TRENCH
END-OF-TRENCH
END-OF-TRENCH
END-OF-TRENCH

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: 7/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

T&A Construction Inc

Project Name: Kingsland Point Park Water Main

Project # N/A

Order ID # Q2600

Test Name: EPH

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 07/14/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2600-05MS} with File ID: FC069465.D recoveries met the requirements for all compounds except for Aliphatic [n-Docosane (C22)- 155%], [n-Hexacosane (C26) - 328%], [n-Octacosane (C28) - 222%], [n-Dotriacontane (C32) -165%] due to matrix interference. & for [Naphthalene (C11.7)- 16%, 2-methylnaphthalene (C12.89)- 5%], these analytes are only being monitoring in aliphatic fraction.

The MS {Q2600-05MS} with File ID: FD049555.D recoveries met the requirements for all compounds except for Aromatic [Benzo[a]anthracene (C26.37)- 148%], [Chrysene (C27.41) - 291%], [Bnezo[k]fluoranthene (C30.14) - 264%], [Dibenz[a,h]anthracene (C30.36) -222%], [Benzo[a]pyrene (C31.34) - 142%] due to matrix interference.

The MS {Q2600-05MSD} with File ID: FC069466.D recoveries met the requirements for all compounds except for Aliphatic [n-Nonane (C9) -39%], [n-Docosane (C22)- 143%], [n-Hexacosane (C26) - 214%], [n-Octacosane (C28) - 276%], [n-Dotriacontane (C32) -146%] due to matrix interference. & for [Naphthalene (C11.7)- 16%, 2-methylnaphthalene (C12.89)- 5%], these analytes are only being monitoring in aliphatic fraction.

The MS {Q2600-05MSD} with File ID: FD049556.D recoveries met the requirements for all compounds except for Aromatic [Benzo[a]anthracene (C26.37)- 143%], [Chrysene (C27.41) - 265%], [Bnezo[k]fluoranthene (C30.14) - 262%], [Dibenz[a,h]anthracene (C30.36) -226%], [Benzo[a]pyrene (C31.34) - 156%]due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

Samples TRENCH, STOCK-PILE and END-OF-TRENCH were diluted due to high concentrations.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2600

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 Custody

✓

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: PRADIP PRAJAPATI

Date: 07/23/2025

LAB CHRONICLE

OrderID:	Q2600	OrderDate:	7/14/2025 2:21:01 PM
Client:	T&A Construction Inc	Project:	Kingsland Point Park Water Main
Contact:	Garrett Johnson	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2600-01	TRENCH	SOIL			07/14/25			07/14/25
			Gasoline Range Organics	8015D			07/16/25	
			PCB	8082A		07/15/25	07/15/25	
			Pesticide-TCL	8081B		07/15/25	07/15/25	
			EPH	NJEPH		07/16/25	07/16/25	
Q2600-01DL	TRENCHDL	Solid			07/14/25			07/14/25
			EPH	NJEPH		07/16/25	07/17/25	
Q2600-01RE	TRENCHRE	SOIL			07/14/25			07/14/25
			Pesticide-TCL	8081B		07/15/25	07/16/25	
Q2600-02	TRENCH	TCLP			07/14/25			07/14/25
			TCLP Herbicide	8151A		07/16/25	07/17/25	
			TCLP Pesticide	8081B		07/16/25	07/17/25	
Q2600-05	STOCK-PILE	SOIL			07/14/25			07/14/25
			Gasoline Range Organics	8015D			07/15/25	
			Gasoline Range Organics	8015D			07/16/25	
			PCB	8082A		07/15/25	07/15/25	
			Pesticide-TCL	8081B		07/15/25	07/15/25	
			EPH	NJEPH		07/16/25	07/16/25	
Q2600-05DL	STOCK-PIEDL	Solid			07/14/25			07/14/25
			EPH	NJEPH		07/16/25	07/17/25	
Q2600-05RE	STOCK-PILERE	SOIL			07/14/25			07/14/25
			Pesticide-TCL	8081B		07/15/25	07/16/25	
Q2600-06	STOCK-PILE	TCLP			07/14/25			07/14/25

LAB CHRONICLE

			TCLP Herbicide	8151A		07/16/25	07/17/25	
			TCLP Pesticide	8081B		07/16/25	07/17/25	
Q2600-09	END-OF-TRENCH	SOIL			07/14/25			07/14/25
			Gasoline Range Organics	8015D			07/16/25	
			PCB	8082A		07/15/25	07/15/25	
			Pesticide-TCL	8081B		07/15/25	07/15/25	
			EPH	NJEPH		07/16/25	07/16/25	
Q2600-09DL	END-OF-TRENCHDL	Solid			07/14/25			07/14/25
			EPH	NJEPH		07/16/25	07/17/25	
Q2600-09RE	END-OF-TRENCHRE	SOIL			07/14/25			07/14/25
			Pesticide-TCL	8081B		07/15/25	07/16/25	
Q2600-10	END-OF-TRENCH	TCLP			07/14/25			07/14/25
			TCLP Herbicide	8151A		07/16/25	07/17/25	
			TCLP Pesticide	8081B		07/16/25	07/17/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: TACO01
Lab Code: ACE SDG No.: Q2600
Run Number: FC071625AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168877BL	67			0
PB168877BS	95			0
PB168877BSD	98			0
TRENCH	70			0
STOCK-PILE	83			0
STOCK-PILEMS	69			0
STOCK-PILEMSD	69			0
END-OF-TRENCH	81			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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: TAC001
Lab Code: ACE SDG No.: Q2600
Run Number: FC071725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
TRENCHDL	67			0
STOCK-FILEDL	85			0
END-OF-TRENCHDL	83			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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: TACO01
Lab Code: ACE SDG No.: Q2600
Run Number: FD071625AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168877BL	130	130	112	0
PB168877BS	111	108	88	0
PB168877BSD	106	103	84	0
TRENCH	71	68	56	0
STOCK-PILE	74	71	73	0
STOCK-PILEMS	83	79	72	0
STOCK-PILEMSD	85	80	72	0
END-OF-TRENCH	84	78	73	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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: TAC001
Lab Code: ACE SDG No.: Q2600
Run Number: FD071725AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
TRENCHDL	73	69	57	0
STOCK-FILEDL	85	81	82	0
END-OF-TRENCHDL	96	90	85	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

SOIL EPH SURROGATE RECOVERY

QC LIMITS

2-Bromonaphthalene (SURR)

(40-140)

2-Fluorobiphenyl (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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>Q2600-05MS</u>	Datafile:	<u>FC069465.D</u>
		Client ID :	<u>STOCK-PILEMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	12.2	38.5	40.0	12	*	(40-140)
Aliphatic C12-C16	8.1	6.44	11.9	67		(40-140)
Aliphatic C16-C21	12.2	41.6	57.2	127		(40-140)
Aliphatic C21-C28	16.2	185	210	149	*	(40-140)
Aliphatic C28-C40	24.4	105	133	114		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	4.1	0.0000	1.6202	40		(40-140)
n-Decane (C10)	4.1	0.0000	3.0548	75		(40-140)
Naphthalene (C11.7)	4.1	0.0000	0.6501	16	*	(40-140)
n-Dodecane (C12)	4.1	0.0000	2.8958	71		(40-140)
2-methylnaphthalene (C12.89)	4.1	0.0000	0.2179	5	*	(40-140)
n-Tetradecane (C14)	4.1	0.0000	2.7827	68		(40-140)
n-Hexadecane (C16)	4.1	0.0000	3.1218	76		(40-140)
n-Octadecane (C18)	4.1	0.0000	3.7110	91		(40-140)
n-Eicosane (C20)	4.1	0.0000	5.1579	126		(40-140)
n-Heneicosane (C21)	4.1	0.0000	5.7165	139		(40-140)
n-Docosane (C22)	4.1	0.0000	6.3582	155	*	(40-140)
n-Tetracosane (C24)	8.1	0.0000	7.5568	93		(40-140)
n-Hexacosane (C26)	4.1	0.0000	13.4593	328	*	(40-140)
n-Octacosane (C28)	4.1	0.0000	9.1146	222	*	(40-140)
n-Tricontane (C30)	4.1	0.0000	5.6609	138		(40-140)
n-Dotriacontane (C32)	4.1	0.0000	6.7534	165	*	(40-140)
n-Tetratriacontane (C34)	4.1	0.0000	5.0301	123		(40-140)
n-Hexatriacontane (C36)	4.1	0.0000	5.4225	132		(40-140)
n-Octatriacontane (C38)	4.1	0.0000	4.8304	118		(40-140)
n-Tetracontane (C40)	4.1	0.0000	4.3576	106		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>Q2600-05MSD</u>	Datafile:	<u>FC069466.D</u>
		Client ID :	<u>STOCK-PILEMSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	12.2	38.5	40.1	13	*	7.06 (40-140)	50
Aliphatic C12-C16	8.1	6.44	12.1	70		3.8 (40-140)	50
Aliphatic C16-C21	12.2	41.6	54.0	101		22.8 (40-140)	50
Aliphatic C21-C28	16.2	185	212	162	*	8.36 (40-140)	50
Aliphatic C28-C40	24.3	105	135	122		6.78 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	4.1	0.0000	1.5857	39	*	2.53 (40-140)	50
n-Decane (C10)	4.1	0.0000	3.0598	75		0 (40-140)	50
Naphthalene (C11.7)	4.1	0.0000	0.6543	16	*	0 (40-140)	50
n-Dodecane (C12)	4.1	0.0000	2.9129	71		0 (40-140)	50
2-methylnaphthalene (C12.89)	4.1	0.0000	0.2228	5	*	0 (40-140)	50
n-Tetradecane (C14)	4.1	0.0000	2.8213	69		1.46 (40-140)	50
n-Hexadecane (C16)	4.1	0.0000	3.1551	77		1.31 (40-140)	50
n-Octadecane (C18)	4.1	0.0000	3.9532	96		5.35 (40-140)	50
n-Eicosane (C20)	4.1	0.0000	4.6030	112		11.76 (40-140)	50
n-Heneicosane (C21)	4.1	0.0000	5.1021	124		11.41 (40-140)	50
n-Docosane (C22)	4.1	0.0000	5.8545	143	*	8.05 (40-140)	50
n-Tetracosane (C24)	8.1	0.0000	6.5017	80		15.03 (40-140)	50
n-Hexacosane (C26)	4.1	0.0000	8.7559	214	*	42.07 (40-140)	50
n-Octacosane (C28)	4.1	0.0000	11.3132	276	*	21.69 (40-140)	50
n-Tricontane (C30)	4.1	0.0000	5.3799	131		5.2 (40-140)	50
n-Dotriacontane (C32)	4.1	0.0000	5.9873	146	*	12.22 (40-140)	50
n-Tetratriacontane (C34)	4.1	0.0000	5.3501	130		5.53 (40-140)	50
n-Hexatriacontane (C36)	4.1	0.0000	5.5916	136		2.99 (40-140)	50
n-Octatriacontane (C38)	4.1	0.0000	5.0534	123		4.15 (40-140)	50
n-Tetracontane (C40)	4.1	0.0000	4.5315	111		4.61 (40-140)	50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>Q2600-05MS</u>	Datafile:	<u>FD049555.D</u>
		Client ID :	<u>STOCK-PILEMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	8.1	9.04	14.5	67		(40-140)
Aromatic C12-C16	12.2	5.43	17.0	95		(40-140)
Aromatic C16-C21	20.3	19.4	40.1	101		(40-140)
Aromatic C21-C36	32.5	74.6	107	100		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
1,2,3-Trimethylbenzene (C10.1)	4.1	0.0000	3.2125	78		(40-140)
Naphthalene (C11.7)	4.1	0.0000	3.6301	89		(40-140)
2-Methylnaphthalene (C12.89)	4.1	0.0000	3.4973	85		(40-140)
Acenaphthylene (C15.06)	4.1	0.0000	3.8197	93		(40-140)
Acenaphthene (C15.5)	4.1	0.0000	3.8391	94		(40-140)
Fluorene (C16.55)	4.1	0.0000	4.0195	98		(40-140)
Phenanthrene (C19.36)	4.1	0.0000	4.3391	106		(40-140)
Anthracene (C19.43)	4.1	0.0000	4.2774	104		(40-140)
Pyrene (C20.8)	4.1	0.0000	5.3880	131		(40-140)
Fluoranthene (C21.85)	4.1	0.0000	4.7118	115		(40-140)
Benzo[a]anthracene (C26.37)	4.1	0.0000	6.0860	148	*	(40-140)
Chrysene (C27.41)	4.1	0.0000	11.9233	291	*	(40-140)
Bnezo[k]fluoranthene (C30.14)	4.1	0.0000	10.8112	264	*	(40-140)
Dibenz[a,h]anthracene (C30.36)	4.1	0.0000	9.1174	222	*	(40-140)
benzo[b]fluoranthene (C30.41)	4.1	0.0000	5.2672	128		(40-140)
Benzo[a]pyrene (C31.34)	4.1	0.0000	5.8272	142	*	(40-140)
Benzo[g,h,i]perylene (C34.01)	4.1	0.0000	4.0316	98		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	4.1	0.0000	5.0973	124		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>Q2600-05MSD</u>	Datafile:	<u>FD049556.D</u>
		Client ID :	<u>STOCK-PILEMSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	8.1	9.04	14.9	72		7.16 (40-140)	50
Aromatic C12-C16	12.2	5.43	17.4	98		3.51 (40-140)	50
Aromatic C16-C21	20.3	19.4	40.7	104		2.93 (40-140)	50
Aromatic C21-C36	32.4	74.6	109	106		6.03 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	4.1	0.0000	3.2815	80		2.53 (40-140)	50
Naphthalene (C11.7)	4.1	0.0000	3.7148	91		2.22 (40-140)	50
2-Methylnaphthalene (C12.89)	4.1	0.0000	3.6150	88		3.47 (40-140)	50
Acenaphthylene (C15.06)	4.1	0.0000	3.8935	95		2.13 (40-140)	50
Acenaphthene (C15.5)	4.1	0.0000	3.9111	95		1.06 (40-140)	50
Fluorene (C16.55)	4.1	0.0000	4.0826	100		2.02 (40-140)	50
Phenanthrene (C19.36)	4.1	0.0000	4.3840	107		0.94 (40-140)	50
Anthracene (C19.43)	4.1	0.0000	4.3219	105		0.96 (40-140)	50
Pyrene (C20.8)	4.1	0.0000	5.4523	133		1.52 (40-140)	50
Fluoranthene (C21.85)	4.1	0.0000	4.7324	115		0 (40-140)	50
Benzo[a]anthracene (C26.37)	4.1	0.0000	5.8443	143	*	3.44 (40-140)	50
Chrysene (C27.41)	4.1	0.0000	10.8812	265	*	9.35 (40-140)	50
Bnezo[k]fluoranthene (C30.14)	4.1	0.0000	10.7420	262	*	0.76 (40-140)	50
Dibenz[a,h]anthracene (C30.36)	4.1	0.0000	9.2763	226	*	1.79 (40-140)	50
benzo[b]fluoranthene (C30.41)	4.1	0.0000	5.3368	130		1.55 (40-140)	50
Benzo[a]pyrene (C31.34)	4.1	0.0000	6.4132	156	*	9.4 (40-140)	50
Benzo[g,h,i]perylene (C34.01)	4.1	0.0000	4.1259	101		3.02 (40-140)	50
Indeno[1,2,3-cd]pyrene (C35.01)	4.1	0.0000	5.2092	127		2.39 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>PB168877BS</u>	Datafile:	<u>FC069471.D</u>
		Client ID :	<u>PB168877BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	6.57	66		(40-140)
Aliphatic C12-C16	6.7	5.75	86		(40-140)
Aliphatic C16-C21	10	9.66	97		(40-140)
Aliphatic C21-C28	13.3	13.5	101		(40-140)
Aliphatic C28-C40	20.0	22.6	113		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	1.69808	51		(40-140)
n-Decane (C10)	3.3	2.21345	67		(40-140)
Naphthalene (C11.7)	3.3	0.00000	0	*	(40-140)
n-Dodecane (C12)	3.3	2.63562	80		(40-140)
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	(40-140)
n-Tetradecane (C14)	3.3	2.86904	87		(40-140)
n-Hexadecane (C16)	3.3	2.88179	87		(40-140)
n-Octadecane (C18)	3.3	2.96354	90		(40-140)
n-Eicosane (C20)	3.3	3.38281	103		(40-140)
n-Heneicosane (C21)	3.3	3.33930	101		(40-140)
n-Docosane (C22)	3.3	3.36959	102		(40-140)
n-Tetracosane (C24)	6.7	3.37314	50		(40-140)
n-Hexacosane (C26)	3.3	3.37353	102		(40-140)
n-Octacosane (C28)	3.3	3.39339	103		(40-140)
n-Tricontane (C30)	3.3	3.39016	103		(40-140)
n-Dotriacontane (C32)	3.3	3.45948	105		(40-140)
n-Tetatriacontane (C34)	3.3	3.66583	111		(40-140)
n-Hexatriacontane (C36)	3.3	3.94785	120		(40-140)
n-Octatriacontane (C38)	3.3	4.20018	127		(40-140)
n-Tetracontane (C40)	3.3	4.20807	128		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>PB168877BSD</u>	Datafile:	<u>FC069472.D</u>
		Client ID :	<u>PB168877BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	10	6.46	65		1.8 (40-140)	25
Aliphatic C12-C16	6.7	5.69	85		1 (40-140)	25
Aliphatic C16-C21	10	9.60	96		0.66 (40-140)	25
Aliphatic C21-C28	13.3	13.3	100		1.2 (40-140)	25
Aliphatic C28-C40	20.0	21.9	109		3.1 (40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	3.3	1.67169	51		0 (40-140)	25
n-Decane (C10)	3.3	2.17758	66		1.5 (40-140)	25
Naphthalene (C11.7)	3.3	0.00000	0	*	0 (40-140)	25
n-Dodecane (C12)	3.3	2.59640	79		1.26 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	0 (40-140)	25
n-Tetradecane (C14)	3.3	2.83329	86		1.16 (40-140)	25
n-Hexadecane (C16)	3.3	2.85865	87		0 (40-140)	25
n-Octadecane (C18)	3.3	2.94838	89		1.12 (40-140)	25
n-Eicosane (C20)	3.3	3.35987	102		0.98 (40-140)	25
n-Heneicosane (C21)	3.3	3.31308	100		1 (40-140)	25
n-Docosane (C22)	3.3	3.33825	101		0.99 (40-140)	25
n-Tetracosane (C24)	6.7	3.33344	50		0 (40-140)	25
n-Hexacosane (C26)	3.3	3.32248	101		0.99 (40-140)	25
n-Octacosane (C28)	3.3	3.31995	101		1.96 (40-140)	25
n-Tricontane (C30)	3.3	3.27472	99		3.96 (40-140)	25
n-Dotriacontane (C32)	3.3	3.32604	101		3.88 (40-140)	25
n-Tetratriacontane (C34)	3.3	3.54131	107		3.67 (40-140)	25
n-Hexatriacontane (C36)	3.3	3.82776	116		3.39 (40-140)	25
n-Octatriacontane (C38)	3.3	4.06605	123		3.2 (40-140)	25
n-Tetracontane (C40)	3.3	4.11980	125		2.37 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>PB168877BS</u>	Datafile:	<u>FD049561.D</u>
		Client ID :	<u>PB168877BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	5.00	75		(40-140)
Aromatic C12-C16	10	8.39	84		(40-140)
Aromatic C16-C21	16.7	15.2	91		(40-140)
Aromatic C21-C36	26.6	25.2	95		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
1,2,3-Trimethylbenzene (C10.1)	3.3	2.35466	71		(40-140)
Naphthalene (C11.7)	3.3	2.62924	80		(40-140)
2-Methylnaphthalene (C12.89)	3.3	2.53021	77		(40-140)
Acenaphthylene (C15.06)	3.3	2.89979	88		(40-140)
Acenaphthene (C15.5)	3.3	2.95089	89		(40-140)
Fluorene (C16.55)	3.3	3.10090	94		(40-140)
Phenanthrene (C19.36)	3.3	3.06378	93		(40-140)
Anthracene (C19.43)	3.3	2.89201	88		(40-140)
Fluoranthene (C21.85)	3.3	3.07443	93		(40-140)
Pyrene (C20.8)	3.3	3.04086	92		(40-140)
Benzo[a]anthracene (C26.37)	3.3	3.18531	97		(40-140)
Chrysene (C27.41)	3.3	3.38588	103		(40-140)
benzo[b]fluoranthene (C30.41)	3.3	3.17782	96		(40-140)
Bnezo[k]fluoranthene (C30.14)	3.3	3.28416	100		(40-140)
Benzo[a]pyrene (C31.34)	3.3	3.06807	93		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	3.51645	107		(40-140)
Dibenz[a,h]anthracene (C30.36)	3.3	3.04877	92		(40-140)
Benzo[g,h,i]perylene (C34.01)	3.3	3.01763	91		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>T&A Construction Inc</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2600</u>
Sample No :	<u>PB168877BSD</u>	Datafile:	<u>FD049562.D</u>
		Client ID :	<u>PB168877BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	6.7	4.79	72		4.4 (40-140)	25
Aromatic C12-C16	10	8.04	80		4.3 (40-140)	25
Aromatic C16-C21	16.7	14.5	87		4.8 (40-140)	25
Aromatic C21-C36	26.6	24.2	91		4.1 (40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%)	QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	3.3	2.25359	68		4.32 (40-140)	25
Naphthalene (C11.7)	3.3	2.52106	76		5.13 (40-140)	25
2-Methylnaphthalene (C12.89)	3.3	2.42322	73		5.33 (40-140)	25
Acenaphthylene (C15.06)	3.3	2.77818	84		4.65 (40-140)	25
Acenaphthene (C15.5)	3.3	2.82826	86		3.43 (40-140)	25
Flouorene (C16.55)	3.3	2.96922	90		4.35 (40-140)	25
Phenanthrene (C19.36)	3.3	2.93717	89		4.4 (40-140)	25
Anthracene (C19.43)	3.3	2.73555	83		5.85 (40-140)	25
Fluoranthene (C21.85)	3.3	2.94828	89		4.4 (40-140)	25
Pyrene (C20.8)	3.3	2.92367	89		3.31 (40-140)	25
Benzo[a]anthracene (C26.37)	3.3	3.06571	93		4.21 (40-140)	25
Chrysene (C27.41)	3.3	3.26467	99		3.96 (40-140)	25
benzo[b]fluoranthene (C30.41)	3.3	3.05600	93		3.17 (40-140)	25
Bnezo[k]fluoranthene (C30.14)	3.3	3.19409	97		3.05 (40-140)	25
Benzo[a]pyrene (C31.34)	3.3	2.96071	90		3.28 (40-140)	25
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	3.36559	102		4.78 (40-140)	25
Dibenz[a,h]anthracene (C30.36)	3.3	2.89694	88		4.44 (40-140)	25
Benzo[g,h,i]perylene (C34.01)	3.3	2.90873	88		3.35 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB168877BL

Lab Name: Alliance

Contract: TAC001

Lab Code: ACE

SDG NO.: Q2600

Instrument ID: FID_C

Lab Sample ID: PB168877BL

Matrix: (soil/water) Solid

Date Extracted: 7/16/2025 9:25:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB168877BS	PB168877BS
PB168877BSD	PB168877BSD
TRENCH	Q2600-01
STOCK-PILE	Q2600-05
STOCK-PILEMS	Q2600-05MS
STOCK-PILEMSD	Q2600-05MSD
END-OF-TRENCH	Q2600-09

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
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
07/16/25 09:25	07/17/25 9:40	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	41.6		10	1.85	13.2	mg/kg FC069480.D
Aliphatic C12-C16	Aliphatic C12-C16	9.18		1	0.14	0.88	mg/kg FC069462.D
Aliphatic C16-C21	Aliphatic C16-C21	55.2		10	1.72	13.2	mg/kg FC069480.D
Aliphatic C21-C28	Aliphatic C21-C28	230		10	7.01	17.6	mg/kg FC069480.D
Aliphatic C28-C40	Aliphatic C28-C40	164		10	15.6	26.4	mg/kg FC069480.D
Aromatic C10-C12	Aromatic C10-C12	8.02		1	0.16	0.88	mg/kg FD049552.D
Aromatic C12-C16	Aromatic C12-C16	5.01		1	0.30	1.32	mg/kg FD049552.D
Aromatic C16-C21	Aromatic C16-C21	27.8		1	0.53	2.20	mg/kg FD049552.D
Aromatic C21-C36	Aromatic C21-C36	117		5	7.87	17.6	mg/kg FD049570.D
Total AliphaticEPH	Total AliphaticEPH	500			26.3	71.3	mg/kg
Total AromaticEPH	Total AromaticEPH	158			8.86	22.0	mg/kg
Total EPH	Total EPH	658			35.2	93.3	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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
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
FC069462.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.6	E	0.19	1.32	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.18		0.14	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	65.5	E	0.17	1.32	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	268	E	0.70	1.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	149	E	1.56	2.64	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-01	Acq On:	16 Jul 2025 17:35
Client Sample ID:	TRENCH	Operator:	YP/AJ
Data file:	FC069462.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	3.297	6.597	67250631	483.819	300	ug/ml
Aliphatic C12-C16	6.598	10.000	15002165	104.129	200	ug/ml
Aliphatic C16-C21	10.001	13.371	101129807	743.618	300	ug/ml
Aliphatic C21-C28	13.372	17.037	362149946	3040	400	ug/ml
Aliphatic C28-C40	17.038	22.012	152810312	1700	600	ug/ml
Aliphatic EPH	3.297	22.012	698342861	6080		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	3962321	35.06		ug/ml
Aliphatic C9-C28	3.297	17.037	545532549	4380	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069462.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 17:35
 Operator : YP/AJ
 Sample : Q2600-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 TRENCH

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 06:50:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.110	3962321	35.062 ug/mlm
Spiked Amount 50.000		Recovery =	70.12%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069462.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 17:35
Operator : YP/AJ
Sample : Q2600-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

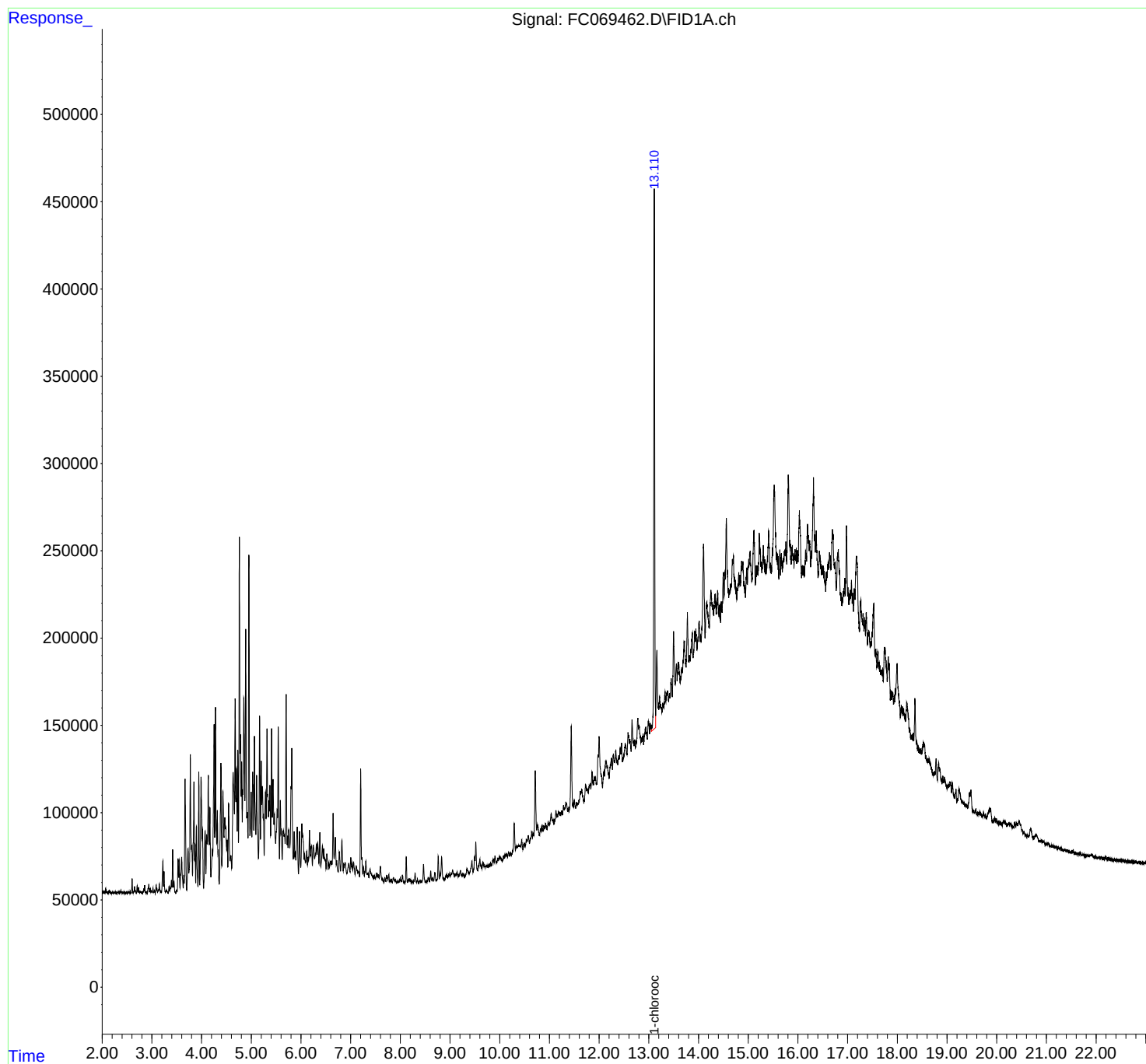
Instrument :
FID_C
ClientSampleId :
TRENCH

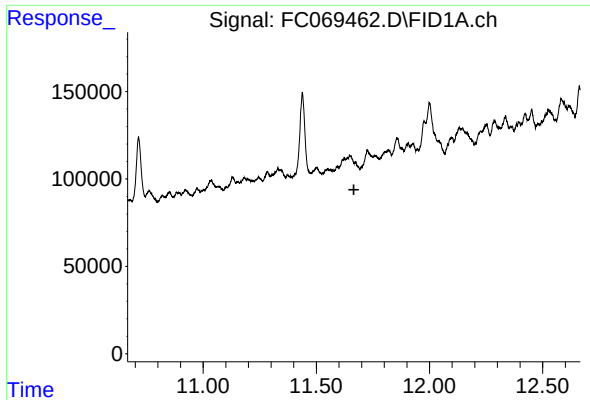
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 06:50:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





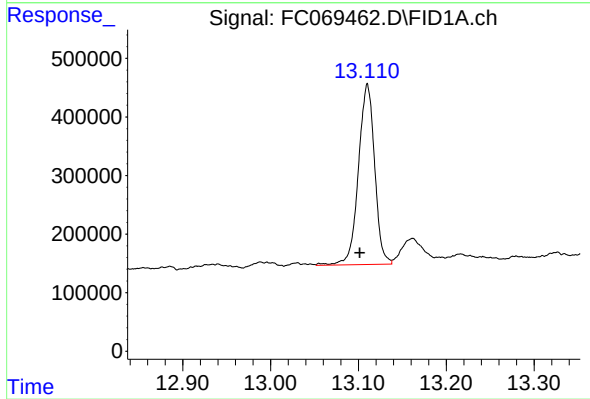
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
TRENCH

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.110 min
Delta R.T.: 0.008 min
Response: 3962321
Conc: 35.06 ug/ml m

riteres

Instrument :

FID_C

ClientSampleId :

TRENCH

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07162
Data File : FC069462.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 17:35
Sample : Q2600-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.204	3.235	PH	14433	130370	0.69%	0.018%
2	3.246	3.235	3.268	PV	9476	69454	0.37%	0.010%
3	3.294	3.268	3.322	PV	1352	19372	0.10%	0.003%
4	3.346	3.322	3.360	PV	3645	34583	0.18%	0.005%
5	3.394	3.360	3.403	VV	7207	95836	0.50%	0.014%
6	3.419	3.403	3.436	VV	24792	238797	1.26%	0.034%
7	3.445	3.436	3.480	VV	6752	73382	0.39%	0.010%
8	3.499	3.480	3.508	PV	1720	15182	0.08%	0.002%
9	3.527	3.508	3.539	VV	19426	193496	1.02%	0.027%
10	3.551	3.539	3.566	VV	18851	184145	0.97%	0.026%
11	3.599	3.566	3.631	VV	20175	414261	2.18%	0.059%
12	3.669	3.631	3.700	VV	64883	939336	4.94%	0.133%
13	3.729	3.700	3.746	VV	25146	388036	2.04%	0.055%
14	3.774	3.746	3.818	VV	78474	1383220	7.27%	0.196%
15	3.847	3.818	3.882	VV	63337	1112371	5.85%	0.157%
16	3.897	3.882	3.927	VV	37558	471466	2.48%	0.067%
17	3.945	3.927	3.964	VV	68355	620988	3.26%	0.088%
18	3.991	3.964	4.041	VV	65442	1450581	7.62%	0.205%
19	4.071	4.041	4.088	VV	34905	548679	2.88%	0.078%
20	4.135	4.088	4.154	VV	66579	1388149	7.30%	0.197%
21	4.168	4.154	4.188	VV	48196	591148	3.11%	0.084%
22	4.216	4.188	4.223	VV	23957	365892	1.92%	0.052%
23	4.252	4.223	4.265	VV	94310	1365518	7.18%	0.193%
24	4.280	4.265	4.305	VV	105660	1391099	7.31%	0.197%
25	4.317	4.305	4.355	VV	46365	740013	3.89%	0.105%
26	4.389	4.355	4.408	VV	74119	1117918	5.88%	0.158%
27	4.430	4.408	4.451	VV	57255	989752	5.20%	0.140%
28	4.468	4.451	4.505	VV	42258	1130374	5.94%	0.160%
29	4.515	4.505	4.528	VV	29224	331260	1.74%	0.047%
30	4.545	4.528	4.574	VV	49946	827768	4.35%	0.117%
31	4.590	4.574	4.606	VV	20334	340652	1.79%	0.048%
32	4.635	4.606	4.660	VV	67604	1488193	7.82%	0.211%
33	4.676	4.660	4.690	VV	109843	1379876	7.25%	0.195%
34	4.700	4.690	4.715	VV	70052	830934	4.37%	0.118%
35	4.729	4.715	4.743	VV	80138	890176	4.68%	0.126%
36	4.761	4.743	4.797	VV	201954	3254533	17.11%	0.461%

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37	4.807	4.797	4.819	VV	74126	783924	4.12%	0.111%
38	4.850	4.819	4.871	VV	109902	2247980	11.12%	0.111%
39	4.888	4.871	4.933	VV	149611	2660426	13.12%	0.111%
40	4.953	4.933	4.974	VV	191213	2236876	11.12%	0.111%
41	4.998	4.974	5.012	VV	56315	942847	4.12%	0.111%
42	5.029	5.012	5.050	VV	67667	1196989	6.12%	0.111%
43	5.064	5.050	5.091	VV	87802	1318685	6.93%	0.187%
44	5.107	5.091	5.144	VV	65797	1279266	6.72%	0.181%
45	5.168	5.144	5.185	VV	99738	1365971	7.18%	0.193%
46	5.200	5.185	5.212	VV	73561	901695	4.74%	0.128%
47	5.224	5.212	5.259	VV	59411	1274846	6.70%	0.180%
48	5.285	5.259	5.299	VV	56216	1029935	5.41%	0.146%
49	5.317	5.299	5.346	VV	91901	1707345	8.97%	0.242%
50	5.356	5.346	5.364	VV	51215	498000	2.62%	0.071%
51	5.375	5.364	5.390	VV	59753	765611	4.02%	0.108%
52	5.409	5.390	5.424	VV	92068	1207544	6.35%	0.171%
53	5.438	5.424	5.490	VV	63150	1704764	8.96%	0.241%
54	5.543	5.490	5.567	VV	92121	2091270	10.99%	0.296%
55	5.585	5.567	5.622	VV	50776	1075428	5.65%	0.152%
56	5.648	5.622	5.680	VV	33761	1035349	5.44%	0.147%
57	5.702	5.680	5.723	VV	111123	1513511	7.96%	0.214%
58	5.731	5.723	5.740	VV	30439	290881	1.53%	0.041%
59	5.754	5.740	5.776	VV	33698	629172	3.31%	0.089%
60	5.816	5.776	5.846	VV	79875	1816476	9.55%	0.257%
61	5.863	5.846	5.896	VV	32866	672811	3.54%	0.095%
62	5.925	5.896	5.950	VV	35432	779052	4.09%	0.110%
63	5.971	5.950	5.995	VV	32765	546901	2.87%	0.077%
64	6.019	5.995	6.092	VV	36942	1349048	7.09%	0.191%
65	6.116	6.092	6.131	VV	21324	415152	2.18%	0.059%
66	6.172	6.131	6.188	VV	33337	719208	3.78%	0.102%
67	6.211	6.188	6.230	VV	24423	527263	2.77%	0.075%
68	6.249	6.230	6.276	VV	24777	557403	2.93%	0.079%
69	6.311	6.276	6.324	VV	24924	590945	3.11%	0.084%
70	6.338	6.324	6.361	VV	25959	474787	2.50%	0.067%
71	6.380	6.361	6.401	VV	31815	498870	2.62%	0.071%
72	6.433	6.401	6.447	VV	24248	519416	2.73%	0.074%
73	6.460	6.447	6.505	VV	22434	589266	3.10%	0.083%
74	6.521	6.505	6.548	VV	19290	384367	2.02%	0.054%
75	6.563	6.548	6.576	VV	14382	212584	1.12%	0.030%
76	6.594	6.576	6.606	VV	15064	251153	1.32%	0.036%
77	6.617	6.606	6.626	VV	14833	167591	0.88%	0.024%
78	6.648	6.626	6.668	VV	42325	646225	3.40%	0.091%
79	6.692	6.668	6.712	VV	28691	543044	2.85%	0.077%
80	6.720	6.712	6.750	VV	15501	267776	1.41%	0.038%
81	6.773	6.750	6.797	VV	20125	401672	2.11%	0.057%
82	6.824	6.797	6.851	VV	26894	536191	2.82%	0.076%
83	6.866	6.851	6.873	VV	12357	149694	0.79%	0.021%
84	6.889	6.873	6.924	VV	13846	350167	1.84%	0.050%
85	6.962	6.924	6.985	VV	13517	394346	2.07%	0.056%
86	7.004	6.985	7.018	VV	16837	254071	1.34%	0.036%
87	7.028	7.018	7.043	VV	13841	180800	0.95%	0.026%
88	7.059	7.043	7.088	VV	14216	301581	1.59%	0.043%
89	7.113	7.088	7.148	VV	11875	341466	1.79%	0.048%

Instrument :

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

90	7.159	7.148	7.178	VV	8550	138074	0.73%	0.020%
91	7.203	7.178	7.245	VV	67025	966789		
92	7.259	7.245	7.275	VV	11326	156614		
93	7.306	7.275	7.339	VV	14457	352382		
94	7.350	7.339	7.368	VV	7544	113533		
95	7.390	7.368	7.457	VV	9898	363357		
96	7.476	7.457	7.499	VV	6230	134030	0.70%	0.019%
97	7.518	7.499	7.532	VV	7232	115881	0.61%	0.016%
98	7.545	7.532	7.574	VV	6382	147484	0.78%	0.021%
99	7.598	7.574	7.633	VV	11196	239234	1.26%	0.034%
100	7.643	7.633	7.670	VV	3838	69625	0.37%	0.010%
101	7.687	7.670	7.703	VV	4487	65358	0.34%	0.009%
102	7.725	7.703	7.751	VV	5744	124287	0.65%	0.018%
103	7.767	7.751	7.798	VV	6316	111058	0.58%	0.016%
104	7.817	7.798	7.837	VV	3116	59807	0.31%	0.008%
105	7.861	7.837	7.888	VV	4438	98613	0.52%	0.014%
106	7.902	7.888	7.924	VV	2983	53207	0.28%	0.008%
107	7.946	7.924	7.964	VV	2368	42680	0.22%	0.006%
108	7.998	7.964	8.018	VV	3448	83510	0.44%	0.012%
109	8.042	8.018	8.064	VV	5784	93980	0.49%	0.013%
110	8.081	8.064	8.093	VV	1755	27813	0.15%	0.004%
111	8.118	8.093	8.140	VV	16011	190524	1.00%	0.027%
112	8.152	8.140	8.161	VV	2517	28726	0.15%	0.004%
113	8.179	8.161	8.196	VV	3226	56073	0.29%	0.008%
114	8.206	8.196	8.238	VV	2646	48083	0.25%	0.007%
115	8.251	8.238	8.261	VV	1786	22978	0.12%	0.003%
116	8.297	8.261	8.328	VV	6524	121426	0.64%	0.017%
117	8.344	8.328	8.368	VV	2864	42425	0.22%	0.006%
118	8.391	8.368	8.431	VV	2477	61294	0.32%	0.009%
119	8.466	8.431	8.504	VV	11490	187792	0.99%	0.027%
120	8.566	8.504	8.585	VV	3438	102860	0.54%	0.015%
121	8.611	8.585	8.631	VV	7506	110896	0.58%	0.016%
122	8.654	8.631	8.670	VV	3373	60615	0.32%	0.009%
123	8.695	8.670	8.720	VV	6492	119034	0.63%	0.017%
124	8.762	8.720	8.784	VV	15840	236326	1.24%	0.033%
125	8.801	8.784	8.810	VV	6101	74633	0.39%	0.011%
126	8.831	8.810	8.889	VV	15283	303766	1.60%	0.043%
127	8.931	8.889	8.947	VV	4944	129015	0.68%	0.018%
128	8.983	8.947	9.002	VV	5535	146694	0.77%	0.021%
129	9.024	9.002	9.035	VV	5926	104062	0.55%	0.015%
130	9.052	9.035	9.124	VV	7656	289978	1.52%	0.041%
131	9.141	9.124	9.176	VV	6448	153525	0.81%	0.022%
132	9.209	9.176	9.241	VV	7145	205075	1.08%	0.029%
133	9.260	9.241	9.294	VV	4777	135617	0.71%	0.019%
134	9.341	9.294	9.390	VV	7828	332373	1.75%	0.047%
135	9.440	9.390	9.463	VV	12154	363382	1.91%	0.051%
136	9.495	9.463	9.503	VV	14874	247638	1.30%	0.035%
137	9.519	9.503	9.552	VV	23190	401189	2.11%	0.057%
138	9.600	9.552	9.642	VV	13225	522855	2.75%	0.074%
139	9.659	9.642	9.705	VV	11643	369335	1.94%	0.052%
140	9.722	9.705	9.732	VV	9450	144829	0.76%	0.021%
141	9.744	9.732	9.760	VV	9379	151372	0.80%	0.021%

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

142	9.779	9.760	9.787	VV	9742	149408	0.79%	0.021%
143	9.814	9.787	9.838	VV	10291	302479		
144	9.876	9.838	9.888	VV	13078	357732		
145	9.905	9.888	9.929	VV	14898	307473		
146	9.963	9.929	9.974	VV	13612	328743		
147	10.010	9.974	10.053	VV	14173	616339		
148	10.075	10.053	10.090	VV	14598	297197	1.56%	0.042%
149	10.115	10.090	10.158	VV	15420	606422	3.19%	0.086%
150	10.178	10.158	10.194	VV	16794	344084	1.81%	0.049%
151	10.216	10.194	10.235	VV	16003	381226	2.00%	0.054%
152	10.292	10.235	10.317	VV	32966	1043174	5.48%	0.148%
153	10.336	10.317	10.357	VV	19986	460327	2.42%	0.065%
154	10.389	10.357	10.405	VV	20446	575343	3.02%	0.081%
155	10.442	10.405	10.466	VV	23263	766098	4.03%	0.108%
156	10.487	10.466	10.499	VV	20934	390394	2.05%	0.055%
157	10.541	10.499	10.551	VV	23402	675510	3.55%	0.096%
158	10.575	10.551	10.601	VV	25840	709021	3.73%	0.100%
159	10.644	10.601	10.659	VV	27996	860832	4.52%	0.122%
160	10.715	10.659	10.745	VV	62649	1888511	9.93%	0.267%
161	10.761	10.745	10.798	VV	31939	932113	4.90%	0.132%
162	10.851	10.798	10.868	VV	31224	1215107	6.39%	0.172%
163	10.884	10.868	10.903	VV	30814	635126	3.34%	0.090%
164	10.923	10.903	10.951	VV	32357	875031	4.60%	0.124%
165	10.973	10.951	10.988	VV	33356	703617	3.70%	0.100%
166	11.035	10.988	11.089	VV	37631	2053828	10.80%	0.291%
167	11.130	11.089	11.161	VV	39187	1550810	8.15%	0.220%
168	11.181	11.161	11.224	VV	39052	1415277	7.44%	0.200%
169	11.246	11.224	11.263	VV	39359	895300	4.71%	0.127%
170	11.284	11.263	11.298	VV	42326	841007	4.42%	0.119%
171	11.331	11.298	11.365	VV	44279	1676675	8.81%	0.237%
172	11.374	11.365	11.392	VV	40403	641003	3.37%	0.091%
173	11.438	11.392	11.476	VV	87321	2744695	14.43%	0.389%
174	11.502	11.476	11.524	VV	44698	1238315	6.51%	0.175%
175	11.550	11.524	11.578	VV	44045	1382823	7.27%	0.196%
176	11.649	11.578	11.692	VV	51158	3243079	17.05%	0.459%
177	11.726	11.692	11.754	VV	54198	1843663	9.69%	0.261%
178	11.760	11.754	11.778	VV	50912	715176	3.76%	0.101%
179	11.819	11.778	11.833	VV	54313	1723775	9.06%	0.244%
180	11.858	11.833	11.887	VV	61028	1840313	9.67%	0.261%
181	11.905	11.887	11.914	VV	58058	912202	4.79%	0.129%
182	11.926	11.914	11.951	VV	57796	1216410	6.39%	0.172%
183	12.000	11.951	12.067	VV	80775	4486806	23.58%	0.635%
184	12.098	12.067	12.108	VV	60862	1424589	7.49%	0.202%
185	12.132	12.108	12.198	VV	66597	3383282	17.78%	0.479%
186	12.252	12.198	12.268	VV	68005	2674767	14.06%	0.379%
187	12.287	12.268	12.314	VV	70250	1848998	9.72%	0.262%
188	12.335	12.314	12.352	VV	72650	1617320	8.50%	0.229%
189	12.360	12.352	12.374	VV	66953	847089	4.45%	0.120%
190	12.395	12.374	12.404	VV	69732	1250801	6.57%	0.177%
191	12.422	12.404	12.435	VV	74364	1312471	6.90%	0.186%
192	12.451	12.435	12.468	VV	76978	1419770	7.46%	0.201%
193	12.525	12.468	12.561	VV	76530	4010058	21.08%	0.568%
194	12.583	12.561	12.608	VV	82246	2200330	11.57%	0.312%

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

195	12.618	12.608	12.643	VV	78421	1598442	8.40%	0.226%
196	12.663	12.643	12.704	VV	89739	2939006	15.72%	0.499%
197	12.716	12.704	12.734	VV	78576	1398660	7.22%	0.195%
198	12.778	12.734	12.791	VV	90814	2807720	14.81%	0.399%
199	12.802	12.791	12.842	VV	86471	2506328	13.40%	0.403%
200	12.856	12.842	12.867	VV	78836	1186743	6.63%	0.233%
201	12.884	12.867	12.896	VV	81636	1374132	7.22%	0.195%
202	12.938	12.896	12.968	VV	84529	3523486	18.52%	0.499%
203	12.990	12.968	13.015	VV	87920	2412874	12.68%	0.342%
204	13.029	13.015	13.051	VV	87222	1849479	9.72%	0.262%
205	13.058	13.051	13.066	VV	85859	788227	4.14%	0.112%
206	13.110	13.066	13.138	VV	391692	7565978	39.77%	1.071%
207	13.161	13.138	13.198	VV	129125	3909164	20.55%	0.553%
208	13.216	13.198	13.264	VV	102416	3891771	20.46%	0.551%
209	13.280	13.264	13.301	VV	98420	2127970	11.19%	0.301%
210	13.325	13.301	13.341	VV	104996	2429701	12.77%	0.344%
211	13.379	13.341	13.401	VV	105642	3708750	19.49%	0.525%
212	13.418	13.401	13.428	VV	103161	1642640	8.63%	0.233%
213	13.451	13.428	13.471	VV	112906	2817482	14.81%	0.399%
214	13.499	13.471	13.530	VV	139468	4261291	22.40%	0.603%
215	13.554	13.530	13.571	VV	120967	2821542	14.83%	0.399%
216	13.597	13.571	13.629	VV	120926	4081802	21.45%	0.578%
217	13.639	13.629	13.645	VV	113354	1085464	5.71%	0.154%
218	13.713	13.645	13.751	VV	132756	7793933	40.97%	1.103%
219	13.777	13.751	13.804	VV	149190	4273813	22.46%	0.605%
220	13.819	13.804	13.834	VV	125642	2228343	11.71%	0.315%
221	13.872	13.834	13.892	VV	138598	4461290	23.45%	0.632%
222	13.925	13.892	13.941	VV	139052	3932782	20.67%	0.557%
223	13.949	13.941	13.968	VV	140395	2157408	11.34%	0.305%
224	14.012	13.968	14.054	VV	144865	7065339	37.14%	1.000%
225	14.101	14.054	14.131	VV	189155	7329529	38.53%	1.038%
226	14.167	14.131	14.218	VV	156109	7675943	40.35%	1.087%
227	14.251	14.218	14.308	VV	161987	8301562	43.63%	1.175%
228	14.337	14.308	14.358	VV	159534	4669887	24.55%	0.661%
229	14.385	14.358	14.410	VV	162094	4848827	25.49%	0.686%
230	14.421	14.410	14.444	VV	153372	3083592	16.21%	0.437%
231	14.458	14.444	14.472	VV	155539	2524044	13.27%	0.357%
232	14.500	14.472	14.514	VV	171762	4106863	21.59%	0.581%
233	14.559	14.514	14.622	VV	202587	11213867	58.94%	1.588%
234	14.701	14.622	14.770	VV	181735	14888947	78.26%	2.108%
235	14.809	14.770	14.821	VV	171355	5047368	26.53%	0.715%
236	14.832	14.821	14.843	VV	169456	2205833	11.59%	0.312%
237	14.869	14.843	14.945	VV	178217	10366246	54.49%	1.468%
238	14.968	14.945	14.978	VV	174475	3346235	17.59%	0.474%
239	15.040	14.978	15.078	VV	184181	10520913	55.30%	1.489%
240	15.113	15.078	15.144	VV	195106	7229965	38.00%	1.024%
241	15.159	15.144	15.193	VV	175329	5009641	26.33%	0.709%
242	15.224	15.193	15.283	VV	192420	9721563	51.10%	1.376%
243	15.304	15.283	15.373	VV	186218	9580207	50.36%	1.356%
244	15.410	15.373	15.449	VV	196278	8221085	43.21%	1.164%
245	15.522	15.449	15.618	VV	219092	19025072	100.00%	2.693%
246	15.636	15.618	15.652	VV	183505	3687987	19.38%	0.522%

Instrument :

FID_C

ClientSampleId :

TRENCH

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

rteres									
247	15.668	15.652	15.688	VV	181917	3731795	19.62%	0.528%	
248	15.757	15.688	15.773	VV	188822	9273395	48.62%	0.528%	
249	15.808	15.773	15.866	VV	223418	10886595	57.45%	0.528%	
250	15.886	15.866	15.922	VV	186113	6042336	33.42%	0.528%	
251	15.940	15.922	15.975	VV	184046	5753165	30.89%	0.900%	
252	16.028	15.975	16.072	VV	204608	10892408	57.45%	0.900%	
253	16.087	16.072	16.134	VV	174235	6358144	33.42%	0.900%	
254	16.154	16.134	16.171	VV	182882	3986516	20.95%	0.564%	
255	16.194	16.171	16.258	VV	197683	9720104	51.09%	1.376%	
256	16.314	16.258	16.351	VV	224285	10930542	57.45%	1.547%	
257	16.368	16.351	16.405	VV	194782	5877054	30.89%	0.832%	
258	16.432	16.405	16.485	VV	182041	8431172	44.32%	1.194%	
259	16.494	16.485	16.558	VV	174219	7372578	38.75%	1.044%	
260	16.569	16.558	16.575	VV	169663	1694180	8.90%	0.240%	
261	16.606	16.575	16.615	VV	175416	4110102	21.60%	0.582%	
262	16.650	16.615	16.668	VV	180175	5586147	29.36%	0.791%	
263	16.695	16.668	16.771	VV	194285	11107290	58.38%	1.573%	
264	16.812	16.771	16.890	VV	182861	11929255	62.70%	1.689%	
265	16.946	16.890	16.956	VV	166817	6234480	32.77%	0.883%	
266	16.977	16.956	17.028	VV	193229	7295633	38.35%	1.033%	
267	17.078	17.028	17.093	VV	165289	6136122	32.25%	0.869%	
268	17.103	17.093	17.118	VV	157648	2332181	12.26%	0.330%	
269	17.179	17.118	17.234	VV	179298	11274461	59.26%	1.596%	
270	17.266	17.234	17.302	VV	154554	5915888	31.10%	0.838%	
271	17.315	17.302	17.329	VV	145938	2294318	12.06%	0.325%	
272	17.345	17.329	17.360	VV	142911	2546434	13.38%	0.361%	
273	17.377	17.360	17.401	VV	146767	3446669	18.12%	0.488%	
274	17.423	17.401	17.461	VV	136231	4714826	24.78%	0.667%	
275	17.526	17.461	17.558	VV	151307	7926417	41.66%	1.122%	
276	17.568	17.558	17.589	VV	125428	2219726	11.67%	0.314%	
277	17.607	17.589	17.668	VV	124114	5536604	29.10%	0.784%	
278	17.674	17.668	17.698	VV	112740	2062569	10.84%	0.292%	
279	17.705	17.698	17.717	VV	114133	1228853	6.46%	0.174%	
280	17.744	17.717	17.801	VV	126111	5952387	31.29%	0.843%	
281	17.818	17.801	17.861	VV	120841	4042318	21.25%	0.572%	
282	17.873	17.861	17.887	VV	100454	1539276	8.09%	0.218%	
283	17.898	17.887	17.928	VV	100831	2393938	12.58%	0.339%	
284	17.994	17.928	18.061	VV	115674	8076458	42.45%	1.143%	
285	18.081	18.061	18.113	VV	92303	2767947	14.55%	0.392%	
286	18.126	18.113	18.148	VV	90965	1865019	9.80%	0.264%	
287	18.157	18.148	18.168	VV	87209	1031523	5.42%	0.146%	
288	18.191	18.168	18.242	VV	94318	3917477	20.59%	0.555%	
289	18.250	18.242	18.286	VV	79533	2019602	10.62%	0.286%	
290	18.297	18.286	18.307	VV	76051	934944	4.91%	0.132%	
291	18.322	18.307	18.331	VV	75879	1064119	5.59%	0.151%	
292	18.355	18.331	18.407	VV	96155	3550702	18.66%	0.503%	
293	18.418	18.407	18.483	VV	68907	3064967	16.11%	0.434%	
294	18.522	18.483	18.604	VV	71300	4794904	25.20%	0.679%	
295	18.610	18.604	18.624	VV	61597	721791	3.79%	0.102%	
296	18.640	18.624	18.721	VV	62112	3329636	17.50%	0.471%	
297	18.779	18.721	18.805	VV	60873	2747040	14.44%	0.389%	
298	18.831	18.805	18.901	VV	59506	3086747	16.22%	0.437%	
299	18.916	18.901	18.929	VV	51522	836831	4.40%	0.118%	

Instrument :

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TRENCH

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/18/2025

300	18.947	18.929	18.991	VV	50973	1779600	9.35%	0.252%
301	18.997	18.991	19.005	VV	46266	377598		
302	19.018	19.005	19.033	VV	46353	762724		
303	19.061	19.033	19.088	VV	48078	1528077		
304	19.109	19.088	19.154	VV	47690	1706159		
305	19.180	19.154	19.194	VV	43915	975120		
306	19.244	19.194	19.322	VV	44106	2995419	15.74%	0.424%
307	19.334	19.322	19.358	VV	35800	747974	3.93%	0.106%
308	19.373	19.358	19.385	VV	35102	581010	3.05%	0.082%
309	19.396	19.385	19.412	VV	34732	531561	2.79%	0.075%
310	19.453	19.412	19.465	VV	40651	1174359	6.17%	0.166%
311	19.481	19.465	19.529	VV	43198	1392366	7.32%	0.197%
312	19.538	19.529	19.558	VV	31094	531026	2.79%	0.075%
313	19.581	19.558	19.614	VV	32195	1029877	5.41%	0.146%
314	19.663	19.614	19.717	VV	30478	1791279	9.42%	0.254%
315	19.736	19.717	19.758	VV	29331	698229	3.67%	0.099%
316	19.770	19.758	19.801	VV	28386	706328	3.71%	0.100%
317	19.868	19.801	19.918	VV	31730	2036713	10.71%	0.288%
318	19.965	19.918	19.980	VV	26472	934953	4.91%	0.132%
319	19.996	19.980	20.030	VV	25915	738814	3.88%	0.105%
320	20.044	20.030	20.056	VV	24904	363955	1.91%	0.052%
321	20.070	20.056	20.082	VV	23920	370391	1.95%	0.052%
322	20.097	20.082	20.114	VV	23631	434847	2.29%	0.062%
323	20.142	20.114	20.154	VV	24689	580705	3.05%	0.082%
324	20.171	20.154	20.218	VV	24475	875724	4.60%	0.124%
325	20.244	20.218	20.255	VV	23818	508511	2.67%	0.072%
326	20.272	20.255	20.313	VV	23271	770857	4.05%	0.109%
327	20.321	20.313	20.329	VV	21710	208629	1.10%	0.030%
328	20.364	20.329	20.382	VV	23379	699019	3.67%	0.099%
329	20.396	20.382	20.428	VV	22884	621410	3.27%	0.088%
330	20.452	20.428	20.534	VV	24276	1357097	7.13%	0.192%
331	20.548	20.534	20.602	VV	18402	685386	3.60%	0.097%
332	20.616	20.602	20.631	VV	16193	269421	1.42%	0.038%
333	20.682	20.631	20.724	VV	19806	950244	4.99%	0.135%
334	20.734	20.724	20.750	VV	15196	227738	1.20%	0.032%
335	20.784	20.750	20.795	VV	16115	403940	2.12%	0.057%
336	20.803	20.795	20.870	VV	16163	625629	3.29%	0.089%
337	20.878	20.870	20.886	VV	12698	116662	0.61%	0.017%
338	20.902	20.886	20.941	VV	12977	410644	2.16%	0.058%
339	20.950	20.941	20.981	VV	12445	271843	1.43%	0.038%
340	20.998	20.981	21.069	VV	10828	550060	2.89%	0.078%
341	21.081	21.069	21.101	VV	9467	178512	0.94%	0.025%
342	21.110	21.101	21.142	VV	9999	226026	1.19%	0.032%
343	21.156	21.142	21.173	VV	9500	168354	0.88%	0.024%
344	21.195	21.173	21.216	VV	9383	219398	1.15%	0.031%
345	21.238	21.216	21.268	VV	8548	246217	1.29%	0.035%
346	21.295	21.268	21.358	VV	7868	389375	2.05%	0.055%
347	21.371	21.358	21.405	VV	7232	189548	1.00%	0.027%
348	21.413	21.405	21.453	VV	6521	177493	0.93%	0.025%
349	21.468	21.453	21.488	VV	5759	118329	0.62%	0.017%
350	21.498	21.488	21.508	VV	5770	63514	0.33%	0.009%
351	21.525	21.508	21.562	VV	6074	184411	0.97%	0.026%

Instrument :

FID_C

ClientSampleId :

TRENCH

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/18/2025

rteres							
352	21.571	21.562	21.579	VV	5051	48792	0.26% 0.007%
353	21.590	21.579	21.612	VV	5021	89830	
354	21.630	21.612	21.661	VV	4818	132614	
355	21.679	21.661	21.714	VV	4605	131172	
356	21.738	21.714	21.780	VV	4014	138579	
357	21.793	21.780	21.801	VV	3267	39657	
358	21.825	21.801	21.871	VV	3589	131318	0.69% 0.019%
359	21.906	21.871	21.963	VV	3730	168185	0.88% 0.024%
360	21.974	21.963	22.023	VV	2446	74396	0.39% 0.011%
361	22.060	22.023	22.094	VV	1951	73216	0.38% 0.010%
362	22.110	22.094	22.144	VV	1878	42666	0.22% 0.006%
363	22.194	22.144	22.234	VV	1800	63882	0.34% 0.009%
364	22.274	22.234	22.334	VV	899	34855	0.18% 0.005%
365	22.342	22.334	22.358	PV	329	1991	0.01% 0.000%

Sum of corrected areas: 706344651

Aliphatic EPH 071525.M Thu Jul 17 07:59:27 2025

Instrument :
FID_C
ClientSampleId :
TRENCH

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
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
FD049552.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	8.02		0.16	0.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.01		0.30	1.32	mg/kg
Aromatic C16-C21	Aromatic C16-C21	27.8		0.53	2.20	mg/kg
Aromatic C21-C36	Aromatic C21-C36	123	E	1.57	3.52	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	35.5		40 - 140	71%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-01	Acq On:	16 Jul 2025 17:35
Client Sample ID:	TRENCH	Operator:	YP/AJ
Data file:	FD049552.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	4.425	6.169	12536096	90.99	200	ug/ml
Aromatic C12-C16	6.170	8.797	8894382	56.903	300	ug/ml
Aromatic C16-C21	8.798	13.086	50969481	316.024	500	ug/ml
Aromatic C21-C36	13.087	18.506	196239921	1400	800	ug/ml
Aromatic EPH	4.425	18.506	268639880	1870		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	4583015	27.95		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	4641726	35.48		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	3141478	33.9		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049552.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 17:35
 Operator : YP/AJ
 Sample : Q2600-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 TRENCH

Integration File: sample.E
 Quant Time: Jul 17 07:16:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.734	4641726	35.478 ug/ml
Spiked Amount 50.000		Recovery =	70.96%
6) S 2-Fluorobiphenyl (SURR)	8.599	3141478	33.902 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	67.80%
11) S ortho-Terphenyl (SURR)	11.645	4583015	27.951 ug/ml
Spiked Amount 50.000		Recovery =	55.90%

Target Compounds

(f)=RT Delta > 1/2 Window

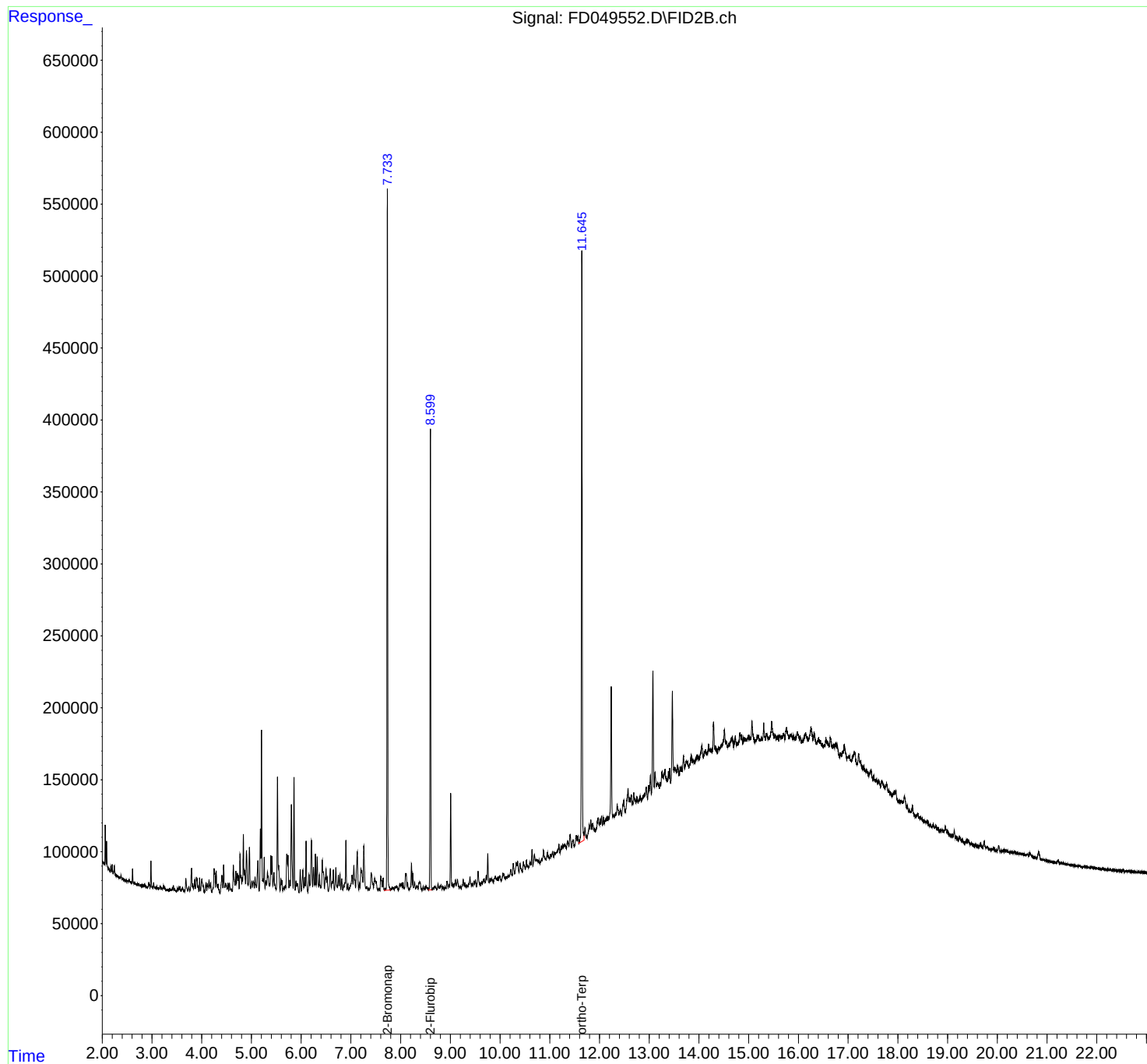
(m)=manual int.

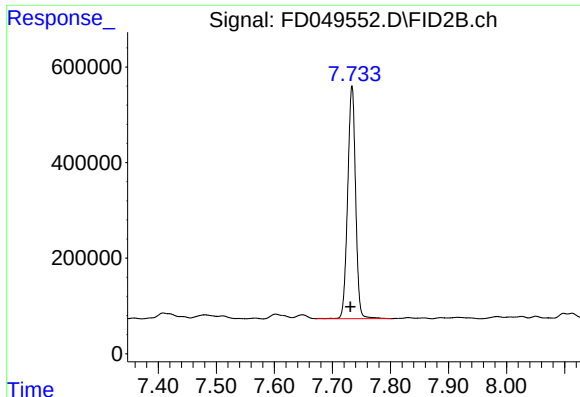
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049552.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 17:35
Operator : YP/AJ
Sample : Q2600-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
TRENCH

Integration File: sample.E
Quant Time: Jul 17 07:16:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

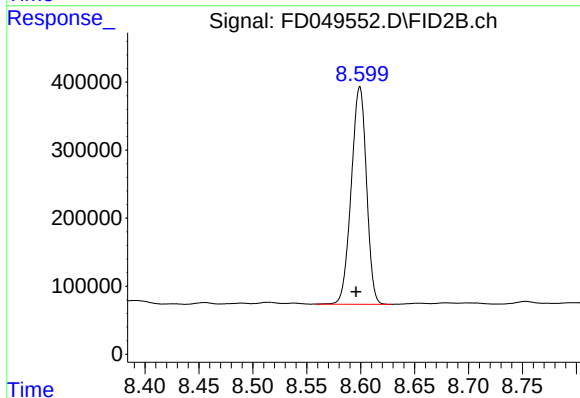




#4 2-Bromonaphthalene (SURRE)

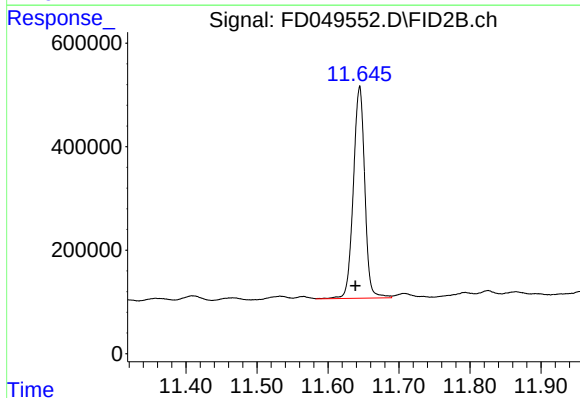
R.T.: 7.734 min
Delta R.T.: 0.003 min
Response: 4641726
Conc: 35.48 ug/ml

Instrument :
FID_D
ClientSampleId :
TRENCH



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.599 min
Delta R.T.: 0.004 min
Response: 3141478
Conc: 33.90 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.645 min
Delta R.T.: 0.006 min
Response: 4583015
Conc: 27.95 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049552.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 17:35
Sample : Q2600-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.263	4.252	4.277	BV	3529	17857	0.30%	0.006%
2	4.292	4.277	4.317	PV	11561	113535	1.94%	0.040%
3	4.329	4.317	4.344	VV	4484	43159	0.74%	0.015%
4	4.348	4.344	4.366	VV	2042	12681	0.22%	0.004%
5	4.408	4.366	4.425	PV	12278	223275	3.81%	0.079%
6	4.441	4.425	4.463	VV	19856	232374	3.96%	0.082%
7	4.483	4.463	4.514	VV	6745	149008	2.54%	0.053%
8	4.528	4.514	4.541	VV	7094	74887	1.28%	0.026%
9	4.557	4.541	4.583	VV	7033	103148	1.76%	0.036%
10	4.596	4.583	4.615	VV	2510	42132	0.72%	0.015%
11	4.636	4.615	4.671	VV	19470	318385	5.43%	0.112%
12	4.686	4.671	4.699	VV	15370	171838	2.93%	0.061%
13	4.718	4.699	4.729	VV	13641	195734	3.34%	0.069%
14	4.738	4.729	4.753	VV	12254	120205	2.05%	0.042%
15	4.770	4.753	4.784	VV	27207	288463	4.92%	0.102%
16	4.791	4.784	4.806	VV	12278	131995	2.25%	0.047%
17	4.816	4.806	4.823	VV	10880	95097	1.62%	0.034%
18	4.837	4.823	4.851	VV	40917	403319	6.87%	0.142%
19	4.860	4.851	4.880	VV	15886	212155	3.62%	0.075%
20	4.900	4.880	4.935	VV	29409	501140	8.54%	0.177%
21	4.959	4.935	4.981	VV	31839	428418	7.30%	0.151%
22	5.007	4.981	5.022	VV	7977	137870	2.35%	0.049%
23	5.037	5.022	5.059	VV	8235	140204	2.39%	0.050%
24	5.072	5.059	5.101	VV	11230	163516	2.79%	0.058%
25	5.129	5.101	5.155	VV	22528	349269	5.95%	0.123%
26	5.179	5.155	5.189	VV	44769	424415	7.23%	0.150%
27	5.202	5.189	5.224	VV	113378	1098227	18.72%	0.388%
28	5.234	5.224	5.243	VV	9845	103463	1.76%	0.037%
29	5.257	5.243	5.273	VV	24878	246460	4.20%	0.087%
30	5.290	5.273	5.304	VV	8557	122664	2.09%	0.043%
31	5.322	5.304	5.333	VV	14672	183440	3.13%	0.065%
32	5.337	5.333	5.355	VV	11606	121213	2.07%	0.043%
33	5.362	5.355	5.371	VV	5924	53977	0.92%	0.019%
34	5.391	5.371	5.402	VV	26021	291146	4.96%	0.103%
35	5.413	5.402	5.432	VV	25272	283581	4.83%	0.100%
36	5.452	5.432	5.497	VV	14238	266804	4.55%	0.094%

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37	5.524	5.497	5.542	VV	80500	867309	14.78%	0.306%
38	5.548	5.542	5.575	VV	19280	215107	3.67%	0.076%
39	5.592	5.575	5.603	VV	9768	104498	1.78%	0.037%
40	5.612	5.603	5.631	VV	8734	87988	1.50%	0.031%
41	5.656	5.631	5.667	VV	3316	61793	1.05%	0.022%
42	5.681	5.667	5.690	VV	5032	55924	0.95%	0.020%
43	5.711	5.690	5.727	VV	26977	391212	6.67%	0.138%
44	5.736	5.727	5.754	VV	26211	264347	4.51%	0.093%
45	5.772	5.754	5.782	VV	8746	99979	1.70%	0.035%
46	5.803	5.782	5.838	VV	61408	889439	15.16%	0.314%
47	5.856	5.838	5.880	VV	80352	752802	12.83%	0.266%
48	5.897	5.880	5.909	VV	7950	89927	1.53%	0.032%
49	5.922	5.909	5.956	VV	6483	111523	1.90%	0.039%
50	5.982	5.956	6.001	PV	16237	174893	2.98%	0.062%
51	6.034	6.001	6.054	VV	15793	240652	4.10%	0.085%
52	6.071	6.054	6.082	VV	10508	120374	2.05%	0.043%
53	6.099	6.082	6.135	VV	35920	412772	7.04%	0.146%
54	6.158	6.135	6.172	VV	12452	141010	2.40%	0.050%
55	6.209	6.172	6.232	VV	36278	607612	10.36%	0.215%
56	6.248	6.232	6.270	VV	17596	245002	4.18%	0.087%
57	6.287	6.270	6.302	VV	26757	277732	4.73%	0.098%
58	6.323	6.302	6.353	VV	24827	365428	6.23%	0.129%
59	6.368	6.353	6.399	VV	12348	171127	2.92%	0.060%
60	6.425	6.399	6.470	VV	22352	476142	8.12%	0.168%
61	6.501	6.470	6.513	VV	16150	247141	4.21%	0.087%
62	6.522	6.513	6.547	VV	10626	113550	1.94%	0.040%
63	6.587	6.547	6.607	VV	16303	268353	4.57%	0.095%
64	6.627	6.607	6.634	VV	7397	97254	1.66%	0.034%
65	6.648	6.634	6.669	VV	15515	173690	2.96%	0.061%
66	6.699	6.669	6.730	VV	16912	262687	4.48%	0.093%
67	6.750	6.730	6.764	VV	11871	145796	2.48%	0.052%
68	6.781	6.764	6.798	VV	12257	147386	2.51%	0.052%
69	6.816	6.798	6.842	VV	9148	124028	2.11%	0.044%
70	6.855	6.842	6.865	VV	4723	48393	0.82%	0.017%
71	6.877	6.865	6.882	VV	6275	52456	0.89%	0.019%
72	6.901	6.882	6.922	VV	35861	377326	6.43%	0.133%
73	6.940	6.922	6.956	VV	5103	63303	1.08%	0.022%
74	7.023	6.956	7.042	VV	11514	289740	4.94%	0.102%
75	7.061	7.042	7.094	VV	18124	301222	5.13%	0.106%
76	7.129	7.094	7.159	VV	27581	496820	8.47%	0.176%
77	7.172	7.159	7.184	VV	6021	59587	1.02%	0.021%
78	7.203	7.184	7.212	VV	15925	180476	3.08%	0.064%
79	7.220	7.212	7.243	VV	14558	207836	3.54%	0.073%
80	7.260	7.243	7.300	VV	31763	481105	8.20%	0.170%
81	7.312	7.300	7.317	VV	2554	23714	0.40%	0.008%
82	7.328	7.317	7.345	VV	2887	34363	0.59%	0.012%
83	7.358	7.345	7.372	VV	2300	24217	0.41%	0.009%
84	7.409	7.372	7.455	VV	12752	311795	5.31%	0.110%
85	7.480	7.455	7.502	VV	8821	182660	3.11%	0.065%
86	7.511	7.502	7.554	VV	6717	92987	1.58%	0.033%
87	7.567	7.554	7.581	VV	2003	20923	0.36%	0.007%
88	7.602	7.581	7.632	VV	10371	179042	3.05%	0.063%
89	7.648	7.632	7.672	VV	8796	118463	2.02%	0.042%

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90	7.678	7.672	7.689	VV	1193	10971	0.19%	0.004%
91	7.698	7.689	7.704	VV	1480	11920	0.20%	0.004%
92	7.734	7.704	7.802	VV	487777	4661448	79.45%	1.647%
93	7.831	7.802	7.844	VV	2953	42891	0.73%	0.015%
94	7.856	7.844	7.872	VV	2135	25699	0.44%	0.009%
95	7.886	7.872	7.900	VV	2709	32349	0.55%	0.011%
96	7.916	7.900	7.955	VV	3323	72135	1.23%	0.025%
97	7.984	7.955	7.997	VV	4944	72158	1.23%	0.025%
98	8.007	7.997	8.015	VV	4032	41290	0.70%	0.015%
99	8.026	8.015	8.038	VV	5381	56003	0.95%	0.020%
100	8.050	8.038	8.065	VV	5537	58768	1.00%	0.021%
101	8.072	8.065	8.080	VV	2097	16991	0.29%	0.006%
102	8.098	8.080	8.105	VV	11605	110524	1.88%	0.039%
103	8.113	8.105	8.129	VV	11829	119386	2.03%	0.042%
104	8.139	8.129	8.167	VV	5525	67075	1.14%	0.024%
105	8.218	8.167	8.234	VV	18568	229819	3.92%	0.081%
106	8.245	8.234	8.264	VV	11774	120031	2.05%	0.042%
107	8.281	8.264	8.300	VV	5818	76371	1.30%	0.027%
108	8.328	8.300	8.350	VV	3427	62971	1.07%	0.022%
109	8.391	8.350	8.417	VV	5733	152915	2.61%	0.054%
110	8.426	8.417	8.438	VV	878	7700	0.13%	0.003%
111	8.455	8.438	8.469	VV	2662	27727	0.47%	0.010%
112	8.490	8.469	8.499	VV	1904	22518	0.38%	0.008%
113	8.514	8.499	8.529	VV	3055	36925	0.63%	0.013%
114	8.538	8.529	8.554	VV	1888	18282	0.31%	0.006%
115	8.599	8.554	8.628	VV	319485	3148262	53.66%	1.112%
116	8.655	8.628	8.665	PV	1546	18898	0.32%	0.007%
117	8.678	8.665	8.690	VV	2124	24641	0.42%	0.009%
118	8.699	8.690	8.727	VV	1958	29052	0.50%	0.010%
119	8.753	8.727	8.779	VV	4179	59016	1.01%	0.021%
120	8.815	8.779	8.836	VV	2787	65538	1.12%	0.023%
121	8.856	8.836	8.872	VV	1838	23802	0.41%	0.008%
122	8.893	8.872	8.915	PV	1369	22024	0.38%	0.008%
123	8.935	8.915	8.956	VV	5769	78099	1.33%	0.028%
124	8.971	8.956	8.985	VV	3143	39504	0.67%	0.014%
125	9.007	8.985	9.029	VV	66410	668097	11.39%	0.236%
126	9.036	9.029	9.047	VV	3123	28864	0.49%	0.010%
127	9.058	9.047	9.072	VV	3042	36052	0.61%	0.013%
128	9.102	9.072	9.117	VV	6038	96406	1.64%	0.034%
129	9.143	9.117	9.182	VV	6319	119034	2.03%	0.042%
130	9.202	9.182	9.221	VV	929	12257	0.21%	0.004%
131	9.259	9.221	9.279	PV	5940	90135	1.54%	0.032%
132	9.290	9.279	9.307	VV	3331	34365	0.59%	0.012%
133	9.336	9.307	9.352	VV	1467	25951	0.44%	0.009%
134	9.372	9.352	9.378	VV	2414	22604	0.39%	0.008%
135	9.395	9.378	9.424	VV	6942	98643	1.68%	0.035%
136	9.441	9.424	9.459	VV	1892	27384	0.47%	0.010%
137	9.478	9.459	9.490	VV	3719	44065	0.75%	0.016%
138	9.504	9.490	9.530	VV	4459	55169	0.94%	0.019%
139	9.559	9.530	9.607	VV	10299	172189	2.93%	0.061%
140	9.630	9.607	9.642	VV	2196	31405	0.54%	0.011%
141	9.662	9.642	9.668	VV	3144	36960	0.63%	0.013%

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142	9.681	9.668	9.696	VV	4457	53141	0.91%	0.019%
143	9.723	9.696	9.735	VV	6732	98499	1.68%	0.035%
144	9.753	9.735	9.780	VV	21603	247248	4.21%	0.087%
145	9.797	9.780	9.814	VV	4193	60515	1.03%	0.021%
146	9.830	9.814	9.844	VV	3869	59780	1.02%	0.021%
147	9.849	9.844	9.868	VV	2769	32200	0.55%	0.011%
148	9.903	9.868	9.949	VV	4678	164273	2.80%	0.058%
149	9.966	9.949	9.973	VV	3651	43364	0.74%	0.015%
150	9.992	9.973	10.026	VV	5182	107618	1.83%	0.038%
151	10.058	10.026	10.069	VV	6436	105676	1.80%	0.037%
152	10.075	10.069	10.094	VV	5576	66376	1.13%	0.023%
153	10.133	10.094	10.146	VV	3720	100473	1.71%	0.035%
154	10.161	10.146	10.175	VV	4731	67747	1.15%	0.024%
155	10.218	10.175	10.243	VV	8626	228176	3.89%	0.081%
156	10.266	10.243	10.294	VV	12526	247259	4.21%	0.087%
157	10.326	10.294	10.340	VV	12635	255612	4.36%	0.090%
158	10.353	10.340	10.381	VV	13721	248346	4.23%	0.088%
159	10.401	10.381	10.446	VV	11761	329854	5.62%	0.117%
160	10.470	10.446	10.507	VV	12821	341721	5.82%	0.121%
161	10.530	10.507	10.549	VV	13216	266865	4.55%	0.094%
162	10.555	10.549	10.573	VV	9313	126686	2.16%	0.045%
163	10.601	10.573	10.620	VV	11972	286174	4.88%	0.101%
164	10.643	10.620	10.662	VV	20478	348957	5.95%	0.123%
165	10.691	10.662	10.710	VV	16890	393956	6.71%	0.139%
166	10.725	10.710	10.737	VV	13252	202048	3.44%	0.071%
167	10.751	10.737	10.767	VV	12693	220607	3.76%	0.078%
168	10.781	10.767	10.804	VV	12494	252977	4.31%	0.089%
169	10.875	10.804	10.923	VV	18436	963967	16.43%	0.341%
170	10.952	10.923	10.990	VV	17111	582922	9.93%	0.206%
171	11.016	10.990	11.030	VV	15395	335187	5.71%	0.118%
172	11.058	11.030	11.075	VV	17035	410421	6.99%	0.145%
173	11.096	11.075	11.110	VV	16218	310014	5.28%	0.110%
174	11.150	11.110	11.158	VV	17438	473038	8.06%	0.167%
175	11.184	11.158	11.207	VV	21662	545539	9.30%	0.193%
176	11.235	11.207	11.245	VV	20267	420563	7.17%	0.149%
177	11.266	11.245	11.277	VV	20902	374400	6.38%	0.132%
178	11.302	11.277	11.312	VV	20544	419963	7.16%	0.148%
179	11.318	11.312	11.333	VV	20311	251858	4.29%	0.089%
180	11.357	11.333	11.385	VV	22935	649893	11.08%	0.230%
181	11.409	11.385	11.437	VV	27467	717808	12.23%	0.254%
182	11.466	11.437	11.492	VV	23278	689632	11.75%	0.244%
183	11.533	11.492	11.550	VV	26128	803289	13.69%	0.284%
184	11.565	11.550	11.590	VV	25395	549089	9.36%	0.194%
185	11.645	11.590	11.690	VV	433063	5867383	100.00%	2.073%
186	11.707	11.690	11.730	VV	30724	674727	11.50%	0.238%
187	11.734	11.730	11.749	VV	24810	269929	4.60%	0.095%
188	11.793	11.749	11.808	VV	32493	991573	16.90%	0.350%
189	11.825	11.808	11.845	VV	35783	713121	12.15%	0.252%
190	11.865	11.845	11.887	VV	33257	786817	13.41%	0.278%
191	11.892	11.887	11.913	VV	29468	451473	7.69%	0.160%
192	11.972	11.913	11.998	VV	36348	1624218	27.68%	0.574%
193	12.014	11.998	12.025	VV	35618	547907	9.34%	0.194%
194	12.041	12.025	12.059	VV	37751	685391	11.68%	0.242%

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195	12.079	12.059	12.094	VV	36366	710818	12.11%	0.251%
196	12.119	12.094	12.126	VV	34206	639499	10.90%	0.226%
197	12.146	12.126	12.160	VV	36289	722323	12.31%	0.255%
198	12.176	12.160	12.188	VV	36453	577770	9.85%	0.204%
199	12.236	12.188	12.273	VV	126518	2880181	49.09%	1.018%
200	12.280	12.273	12.300	VV	36850	588944	10.04%	0.208%
201	12.325	12.300	12.336	VV	38658	796123	13.57%	0.281%
202	12.355	12.336	12.388	VV	43421	1263379	21.53%	0.446%
203	12.417	12.388	12.447	VV	39795	1336667	22.78%	0.472%
204	12.486	12.447	12.517	VV	46073	1755690	29.92%	0.620%
205	12.523	12.517	12.525	VV	38882	174062	2.97%	0.061%
206	12.574	12.525	12.594	VV	54428	1928453	32.87%	0.681%
207	12.612	12.594	12.624	VV	47021	825409	14.07%	0.292%
208	12.638	12.624	12.661	VV	49635	1043314	17.78%	0.369%
209	12.690	12.661	12.707	VV	51059	1274153	21.72%	0.450%
210	12.711	12.707	12.734	VV	46601	746499	12.72%	0.264%
211	12.752	12.734	12.775	VV	47834	1117996	19.05%	0.395%
212	12.793	12.775	12.800	VV	45186	672118	11.46%	0.237%
213	12.817	12.800	12.835	VV	48160	969524	16.52%	0.343%
214	12.841	12.835	12.851	VV	46051	432064	7.36%	0.153%
215	12.878	12.851	12.884	VV	47817	917545	15.64%	0.324%
216	12.887	12.884	12.892	VV	47337	231051	3.94%	0.082%
217	12.908	12.892	12.920	VV	49185	803998	13.70%	0.284%
218	12.937	12.920	12.968	VV	53675	1446640	24.66%	0.511%
219	12.988	12.968	12.997	VV	54707	867966	14.79%	0.307%
220	13.024	12.997	13.045	VV	61463	1586136	27.03%	0.560%
221	13.075	13.045	13.100	VV	133835	2633725	44.89%	0.931%
222	13.117	13.100	13.144	VV	63175	1523678	25.97%	0.538%
223	13.145	13.144	13.150	VV	54511	202102	3.44%	0.071%
224	13.171	13.150	13.205	VV	55734	1803790	30.74%	0.637%
225	13.221	13.205	13.232	VV	55207	858696	14.64%	0.303%
226	13.253	13.232	13.275	VV	62439	1531658	26.10%	0.541%
227	13.279	13.275	13.285	VV	59652	332670	5.67%	0.118%
228	13.294	13.285	13.300	VV	61093	556449	9.48%	0.197%
229	13.320	13.300	13.352	VV	64530	1868478	31.85%	0.660%
230	13.356	13.352	13.366	VV	57503	500648	8.53%	0.177%
231	13.386	13.366	13.399	VV	62435	1140001	19.43%	0.403%
232	13.412	13.399	13.432	VV	64544	1211469	20.65%	0.428%
233	13.466	13.432	13.495	VV	117444	2908836	49.58%	1.028%
234	13.508	13.495	13.551	VV	64754	2091611	35.65%	0.739%
235	13.567	13.551	13.596	VV	66094	1738531	29.63%	0.614%
236	13.620	13.596	13.638	VV	64370	1515240	25.82%	0.535%
237	13.649	13.638	13.667	VV	64003	1095896	18.68%	0.387%
238	13.688	13.667	13.712	VV	72003	1813641	30.91%	0.641%
239	13.747	13.712	13.755	VV	68353	1702474	29.02%	0.601%
240	13.760	13.755	13.796	VV	67775	1608747	27.42%	0.568%
241	13.845	13.796	13.879	VV	72048	3371822	57.47%	1.191%
242	13.896	13.879	13.905	VV	67646	1061560	18.09%	0.375%
243	13.938	13.905	13.947	VV	69447	1675618	28.56%	0.592%
244	13.959	13.947	13.975	VV	71299	1197016	20.40%	0.423%
245	13.988	13.975	14.006	VV	70490	1271146	21.66%	0.449%
246	14.060	14.006	14.089	VV	77715	3593266	61.24%	1.270%

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247	14.092	14.089	14.097	VV	70512	350165	5.97%	0.124%
248	14.114	14.097	14.120	VV	73060	976911	16.65%	0.345%
249	14.135	14.120	14.143	VV	74186	1040025	17.73%	0.367%
250	14.151	14.143	14.161	VV	71794	742412	12.65%	0.262%
251	14.193	14.161	14.209	VV	77894	2153669	36.71%	0.761%
252	14.215	14.209	14.240	VV	74356	1374674	23.43%	0.486%
253	14.258	14.240	14.269	VV	74016	1246422	21.24%	0.440%
254	14.294	14.269	14.320	VV	92444	2505770	42.71%	0.885%
255	14.330	14.320	14.369	VV	75554	2176912	37.10%	0.769%
256	14.392	14.369	14.403	VV	75055	1480060	25.23%	0.523%
257	14.411	14.403	14.414	VV	74256	489407	8.34%	0.173%
258	14.450	14.414	14.455	VV	76134	1840378	31.37%	0.650%
259	14.512	14.455	14.539	VV	86172	3974525	67.74%	1.404%
260	14.547	14.539	14.572	VV	78591	1531749	26.11%	0.541%
261	14.591	14.572	14.597	VV	75523	1122895	19.14%	0.397%
262	14.599	14.597	14.602	VV	76656	252760	4.31%	0.089%
263	14.648	14.602	14.659	VV	79541	2607424	44.44%	0.921%
264	14.666	14.659	14.697	VV	80657	1781845	30.37%	0.630%
265	14.732	14.697	14.754	VV	81389	2645635	45.09%	0.935%
266	14.759	14.754	14.775	VV	76464	950003	16.19%	0.336%
267	14.781	14.775	14.785	VV	75356	463505	7.90%	0.164%
268	14.826	14.785	14.841	VV	82973	2633941	44.89%	0.931%
269	14.857	14.841	14.879	VV	81307	1799054	30.66%	0.636%
270	14.898	14.879	14.913	VV	79356	1584519	27.01%	0.560%
271	14.923	14.913	14.944	VV	78996	1448569	24.69%	0.512%
272	14.948	14.944	14.962	VV	77125	830588	14.16%	0.293%
273	14.992	14.962	15.006	VV	80297	2063295	35.17%	0.729%
274	15.012	15.006	15.017	VV	78636	516672	8.81%	0.183%
275	15.021	15.017	15.043	VV	79308	1239324	21.12%	0.438%
276	15.066	15.043	15.108	VV	90062	3175513	54.12%	1.122%
277	15.111	15.108	15.121	VV	76397	614223	10.47%	0.217%
278	15.133	15.121	15.137	VV	76263	717366	12.23%	0.253%
279	15.148	15.137	15.155	VV	76647	815385	13.90%	0.288%
280	15.174	15.155	15.194	VV	79907	1820236	31.02%	0.643%
281	15.200	15.194	15.209	VV	79593	722912	12.32%	0.255%
282	15.260	15.209	15.280	VV	77490	3261386	55.59%	1.152%
283	15.302	15.280	15.335	VV	87574	2640532	45.00%	0.933%
284	15.354	15.335	15.395	VV	80383	2801904	47.75%	0.990%
285	15.464	15.395	15.515	VV	87637	5734720	97.74%	2.026%
286	15.533	15.515	15.549	VV	78827	1566936	26.71%	0.554%
287	15.567	15.549	15.574	VV	76657	1150163	19.60%	0.406%
288	15.590	15.574	15.604	VV	77725	1355755	23.11%	0.479%
289	15.623	15.604	15.629	VV	78099	1135647	19.36%	0.401%
290	15.633	15.629	15.644	VV	77438	715775	12.20%	0.253%
291	15.652	15.644	15.659	VV	76618	646756	11.02%	0.229%
292	15.668	15.659	15.674	VV	77222	691714	11.79%	0.244%
293	15.678	15.674	15.683	VV	76977	422995	7.21%	0.149%
294	15.692	15.683	15.697	VV	78630	650351	11.08%	0.230%
295	15.705	15.697	15.727	VV	78902	1385554	23.61%	0.490%
296	15.763	15.727	15.810	VV	82273	3898971	66.45%	1.378%
297	15.831	15.810	15.838	VV	77298	1256873	21.42%	0.444%
298	15.842	15.838	15.854	VV	76625	732496	12.48%	0.259%
299	15.858	15.854	15.878	VV	77136	1088695	18.56%	0.385%

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300	15.900	15.878	15.933	VV	76122	2482285	42.31%	0.877%
301	15.975	15.933	15.980	VV	78278	2131118	36.32%	0.753%
302	15.983	15.980	15.994	VV	78403	650259	11.08%	0.230%
303	16.000	15.994	16.021	VV	76497	1190182	20.28%	0.421%
304	16.034	16.021	16.066	VV	75676	1985630	33.84%	0.702%
305	16.072	16.066	16.080	VV	72308	615447	10.49%	0.217%
306	16.083	16.080	16.088	VV	71149	335429	5.72%	0.119%
307	16.094	16.088	16.100	VV	71879	508865	8.67%	0.180%
308	16.137	16.100	16.142	VV	76343	1862923	31.75%	0.658%
309	16.147	16.142	16.184	VV	77106	1882223	32.08%	0.665%
310	16.186	16.184	16.199	VV	72779	639903	10.91%	0.226%
311	16.202	16.199	16.206	VV	71732	279917	4.77%	0.099%
312	16.251	16.206	16.293	VV	80766	3968539	67.64%	1.402%
313	16.315	16.293	16.360	VV	77023	2924526	49.84%	1.033%
314	16.409	16.360	16.427	VV	72526	2803598	47.78%	0.991%
315	16.447	16.427	16.472	VV	70147	1832992	31.24%	0.648%
316	16.482	16.472	16.504	VV	67928	1278607	21.79%	0.452%
317	16.522	16.504	16.529	VV	67344	1023118	17.44%	0.361%
318	16.554	16.529	16.567	VV	71677	1548756	26.40%	0.547%
319	16.578	16.567	16.594	VV	69233	1130180	19.26%	0.399%
320	16.601	16.594	16.615	VV	67596	836553	14.26%	0.296%
321	16.640	16.615	16.680	VV	71373	2642216	45.03%	0.934%
322	16.685	16.680	16.690	VV	65000	389873	6.64%	0.138%
323	16.697	16.690	16.702	VV	66071	460457	7.85%	0.163%
324	16.710	16.702	16.724	VV	66258	861860	14.69%	0.305%
325	16.738	16.724	16.744	VV	66866	811124	13.82%	0.287%
326	16.758	16.744	16.772	VV	67128	1070210	18.24%	0.378%
327	16.778	16.772	16.825	VV	65791	1961118	33.42%	0.693%
328	16.842	16.825	16.849	VV	59993	839694	14.31%	0.297%
329	16.858	16.849	16.873	VV	59017	853972	14.55%	0.302%
330	16.887	16.873	16.900	VV	60933	976107	16.64%	0.345%
331	16.924	16.900	16.973	VV	65552	2657276	45.29%	0.939%
332	16.993	16.973	16.997	VV	56392	806010	13.74%	0.285%
333	17.005	16.997	17.022	VV	56544	825162	14.06%	0.292%
334	17.030	17.022	17.059	VV	56772	1225665	20.89%	0.433%
335	17.065	17.059	17.071	VV	54297	388114	6.61%	0.137%
336	17.094	17.071	17.099	VV	57236	918442	15.65%	0.324%
337	17.120	17.099	17.127	VV	59304	986684	16.82%	0.349%
338	17.131	17.127	17.170	VV	58978	1438472	24.52%	0.508%
339	17.178	17.170	17.186	VV	51248	484236	8.25%	0.171%
340	17.211	17.186	17.240	VV	58174	1750984	29.84%	0.619%
341	17.254	17.240	17.277	VV	52495	1111787	18.95%	0.393%
342	17.281	17.277	17.302	VV	48347	703967	12.00%	0.249%
343	17.316	17.302	17.361	VV	49005	1674311	28.54%	0.592%
344	17.373	17.361	17.381	VV	45588	531034	9.05%	0.188%
345	17.387	17.381	17.410	VV	44848	754077	12.85%	0.266%
346	17.432	17.410	17.437	VV	43327	671095	11.44%	0.237%
347	17.460	17.437	17.495	VV	45832	1495639	25.49%	0.528%
348	17.500	17.495	17.505	VV	39193	233790	3.98%	0.083%
349	17.515	17.505	17.547	VV	40870	972032	16.57%	0.343%
350	17.553	17.547	17.560	VV	38161	304358	5.19%	0.108%
351	17.569	17.560	17.596	VV	38486	794602	13.54%	0.281%

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352	17.614	17.596	17.649	VV	37722	1141781	19.46%	0.403%
353	17.678	17.649	17.727	VV	37378	1607895	27.40%	0.568%
354	17.732	17.727	17.737	VV	32254	193353	3.30%	0.068%
355	17.773	17.737	17.808	VV	34221	1356718	23.12%	0.479%
356	17.816	17.808	17.821	VV	29461	229380	3.91%	0.081%
357	17.825	17.821	17.846	VV	29047	423856	7.22%	0.150%
358	17.853	17.846	17.892	VV	27664	717182	12.22%	0.253%
359	17.909	17.892	17.917	VV	26888	394810	6.73%	0.139%
360	17.930	17.917	17.949	VV	28932	530163	9.04%	0.187%
361	17.962	17.949	18.009	VV	28311	875061	14.91%	0.309%
362	18.014	18.009	18.017	VV	20641	99588	1.70%	0.035%
363	18.031	18.017	18.050	VV	21799	419977	7.16%	0.148%
364	18.061	18.050	18.092	VV	21537	513264	8.75%	0.181%
365	18.130	18.092	18.178	VV	24299	1054261	17.97%	0.372%
366	18.191	18.178	18.218	VV	17426	365283	6.23%	0.129%
367	18.233	18.218	18.252	VV	13755	269083	4.59%	0.095%
368	18.261	18.252	18.265	VV	13012	101100	1.72%	0.036%
369	18.292	18.265	18.324	VV	17093	476435	8.12%	0.168%
370	18.328	18.324	18.350	VV	10443	156173	2.66%	0.055%
371	18.369	18.350	18.385	VV	10017	198486	3.38%	0.070%
372	18.401	18.385	18.435	VV	11208	276648	4.72%	0.098%
373	18.442	18.435	18.455	VV	8158	91668	1.56%	0.032%
374	18.461	18.455	18.480	VV	7287	103311	1.76%	0.037%
375	18.485	18.480	18.519	VV	6938	138018	2.35%	0.049%
376	18.524	18.519	18.532	VV	5101	38229	0.65%	0.014%
377	18.535	18.532	18.559	VV	5437	76657	1.31%	0.027%
378	18.570	18.559	18.587	VV	4560	72772	1.24%	0.026%
379	18.595	18.587	18.627	VV	4859	83389	1.42%	0.029%
380	18.634	18.627	18.644	VV	1869	16235	0.28%	0.006%
381	18.659	18.644	18.683	VV	1861	24906	0.42%	0.009%
						Sum of corrected areas:	283039671	

Aromatic EPH 071525.M Thu Jul 17 07:56:28 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
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
FC069480.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	41.6		1.85	13.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.59	J	1.45	8.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	55.2		1.72	13.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	230		7.01	17.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	164		15.6	26.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.37		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-01DL	Acq On:	17 Jul 2025 09:40
Client Sample ID:	TRENCHDL	Operator:	YP/AJ
Data file:	FC069480.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	6569302	47.261	300	ug/ml
Aliphatic C12-C16	6.600	10.002	1241358	8.616	200	ug/ml
Aliphatic C16-C21	10.003	13.370	8525953	62.692	300	ug/ml
Aliphatic C21-C28	13.371	17.036	31073779	261.148	400	ug/ml
Aliphatic C28-C40	17.037	22.013	16741695	186.261	600	ug/ml
Aliphatic EPH	3.303	22.013	64152087	565.979		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	381061	3.37		ug/ml
Aliphatic C9-C28	3.303	17.036	47410392	379.717	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069480.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 09:40
 Operator : YP/AJ
 Sample : Q2600-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 TRENCHDL

Integration File: autoint1.e
 Quant Time: Jul 17 11:31:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.103	381061	3.372 ug/ml
Spiked Amount 50.000		Recovery =	6.74%

Target Compounds

(f)=RT Delta > 1/2 Window

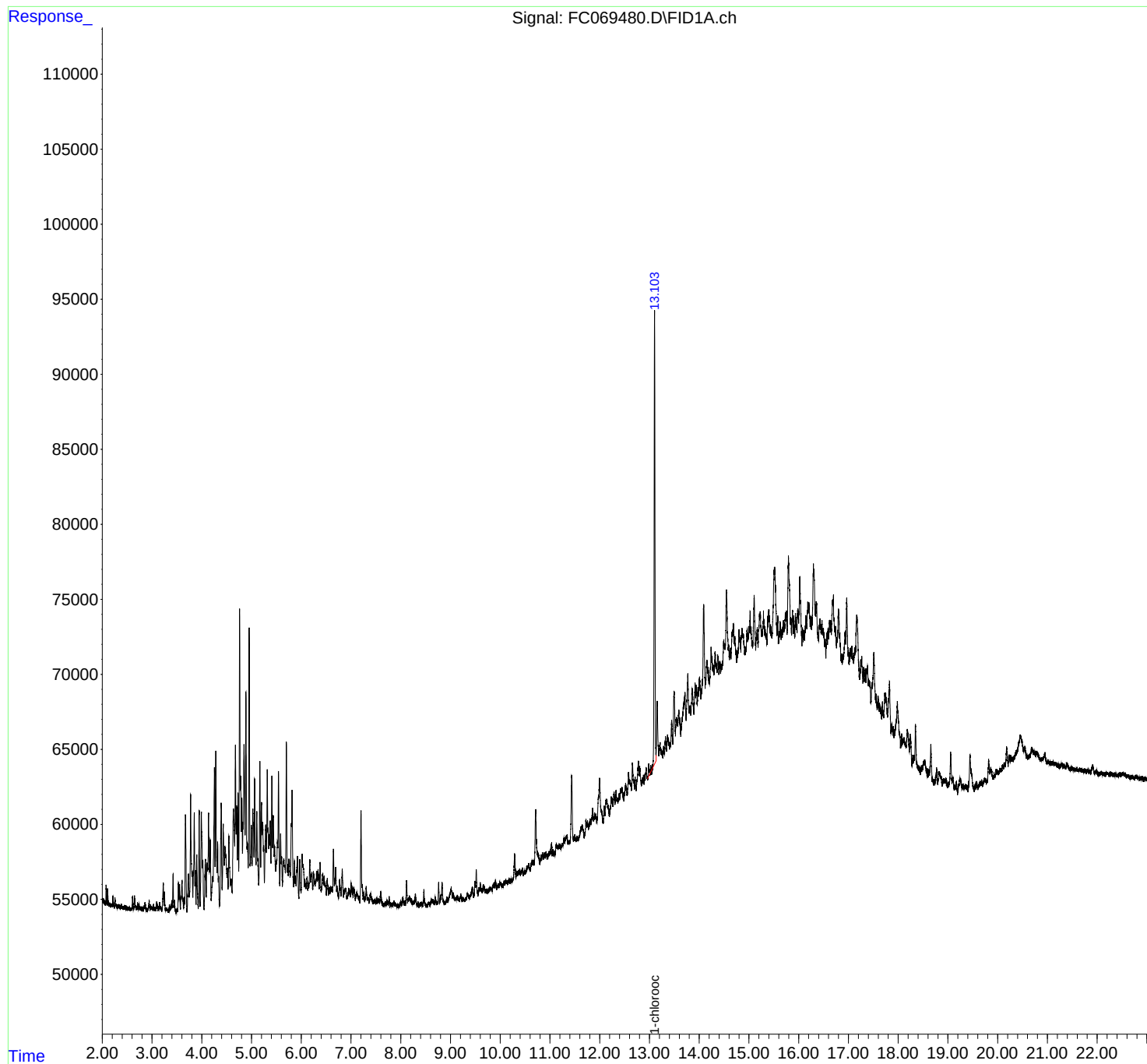
(m)=manual int.

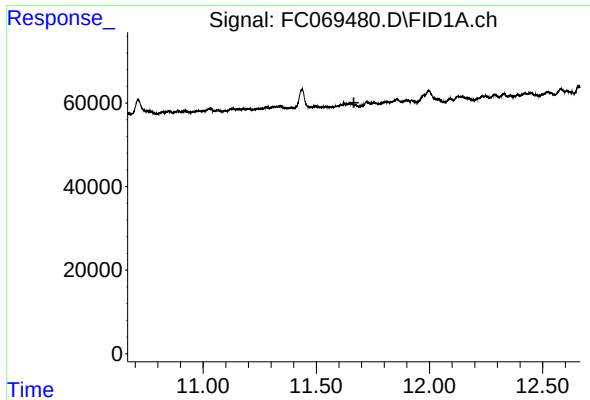
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069480.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 09:40
Operator : YP/AJ
Sample : Q2600-01DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TRENCHDL

Integration File: autoint1.e
Quant Time: Jul 17 11:31:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

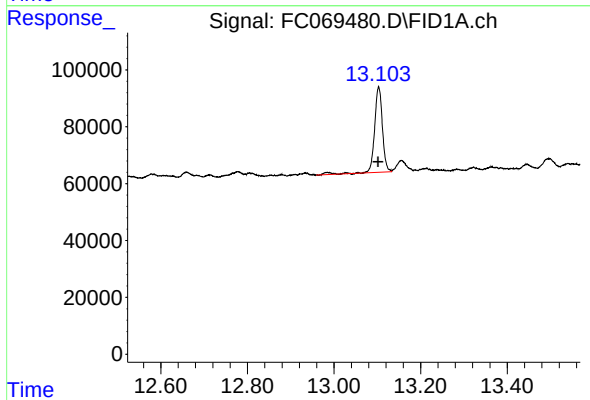




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
TRENCHDL



#12 1-chlorooctadecane (SURR)

R.T.: 13.103 min
Delta R.T.: 0.002 min
Response: 381061
Conc: 3.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069480.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 09:40
 Sample : Q2600-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.298	3.278	3.338	PV	123	1853	0.17%	0.003%
2	3.351	3.338	3.364	PV	402	3257	0.30%	0.005%
3	3.398	3.364	3.408	VV	630	8944	0.83%	0.014%
4	3.424	3.408	3.440	VV	2474	22694	2.11%	0.035%
5	3.450	3.440	3.491	VV	653	6953	0.65%	0.011%
6	3.502	3.491	3.514	PV	176	1016	0.09%	0.002%
7	3.531	3.514	3.544	VV	1915	18298	1.70%	0.028%
8	3.555	3.544	3.571	VV	1729	17042	1.58%	0.026%
9	3.603	3.571	3.634	VV	2039	38131	3.55%	0.058%
10	3.673	3.634	3.704	VV	6362	91095	8.47%	0.139%
11	3.731	3.704	3.748	VV	2454	35740	3.32%	0.054%
12	3.778	3.748	3.821	VV	7706	136424	12.69%	0.208%
13	3.850	3.821	3.885	VV	6529	108396	10.08%	0.165%
14	3.900	3.885	3.930	VV	3742	45263	4.21%	0.069%
15	3.949	3.930	3.966	VV	6670	60383	5.62%	0.092%
16	3.994	3.966	4.044	VV	6446	141292	13.14%	0.215%
17	4.074	4.044	4.090	VV	3451	51518	4.79%	0.079%
18	4.106	4.090	4.116	VV	3126	37897	3.52%	0.058%
19	4.137	4.116	4.157	VV	6529	98282	9.14%	0.150%
20	4.171	4.157	4.191	VV	4686	57223	5.32%	0.087%
21	4.219	4.191	4.226	VV	2277	35436	3.30%	0.054%
22	4.254	4.226	4.268	VV	9587	132883	12.36%	0.203%
23	4.282	4.268	4.307	VV	10531	137259	12.76%	0.209%
24	4.319	4.307	4.357	VV	4529	71176	6.62%	0.109%
25	4.391	4.357	4.410	VV	7165	108866	10.12%	0.166%
26	4.432	4.410	4.452	VV	5700	95381	8.87%	0.145%
27	4.469	4.452	4.507	VV	4153	114108	10.61%	0.174%
28	4.517	4.507	4.530	VV	2830	32141	2.99%	0.049%
29	4.546	4.530	4.574	VV	4867	81577	7.59%	0.124%
30	4.590	4.574	4.607	VV	2041	34446	3.20%	0.053%
31	4.636	4.607	4.660	VV	6766	147860	13.75%	0.225%
32	4.677	4.660	4.691	VV	10918	136791	12.72%	0.209%
33	4.701	4.691	4.715	VV	6939	80862	7.52%	0.123%
34	4.729	4.715	4.743	VV	7811	88432	8.22%	0.135%
35	4.761	4.743	4.797	VV	19976	320948	29.85%	0.489%
36	4.806	4.797	4.819	VV	7477	80065	7.45%	0.122%

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37	4.850	4.819	4.871	VV	10861	223864	20.82%	0.341%
38	4.888	4.871	4.933	VV	14530	260278	24.20%	0.397%
39	4.953	4.933	4.974	VV	18759	221127	20.56%	0.337%
40	4.998	4.974	5.012	VV	5643	91545	8.51%	0.140%
41	5.028	5.012	5.050	VV	6689	117645	10.94%	0.179%
42	5.063	5.050	5.090	VV	8598	130001	12.09%	0.198%
43	5.107	5.090	5.144	VV	6546	125977	11.72%	0.192%
44	5.168	5.144	5.185	VV	9894	133745	12.44%	0.204%
45	5.201	5.185	5.260	VV	7117	213936	19.90%	0.326%
46	5.285	5.260	5.299	VV	5601	99257	9.23%	0.151%
47	5.317	5.299	5.346	VV	9196	166341	15.47%	0.254%
48	5.355	5.346	5.363	VV	4930	48501	4.51%	0.074%
49	5.375	5.363	5.390	VV	5888	76313	7.10%	0.116%
50	5.409	5.390	5.424	VV	8862	120146	11.17%	0.183%
51	5.437	5.424	5.489	VV	6204	164889	15.33%	0.251%
52	5.543	5.489	5.567	VV	9074	205933	19.15%	0.314%
53	5.585	5.567	5.622	VV	5028	104050	9.68%	0.159%
54	5.650	5.622	5.680	VV	3320	99541	9.26%	0.152%
55	5.701	5.680	5.722	VV	11099	148840	13.84%	0.227%
56	5.730	5.722	5.740	VV	2986	28116	2.61%	0.043%
57	5.754	5.740	5.776	VV	3218	60603	5.64%	0.092%
58	5.815	5.776	5.847	VV	7937	177569	16.51%	0.271%
59	5.864	5.847	5.896	VV	3149	64523	6.00%	0.098%
60	5.924	5.896	5.950	VV	3484	74930	6.97%	0.114%
61	5.971	5.950	5.996	VV	3231	52992	4.93%	0.081%
62	6.019	5.996	6.091	VV	3617	130344	12.12%	0.199%
63	6.117	6.091	6.132	VV	2071	40988	3.81%	0.063%
64	6.172	6.132	6.188	VV	3256	68578	6.38%	0.105%
65	6.213	6.188	6.231	VV	2422	52167	4.85%	0.080%
66	6.247	6.231	6.281	VV	2379	57447	5.34%	0.088%
67	6.310	6.281	6.324	VV	2439	52183	4.85%	0.080%
68	6.338	6.324	6.361	VV	2519	45839	4.26%	0.070%
69	6.380	6.361	6.401	VV	3122	48794	4.54%	0.074%
70	6.433	6.401	6.448	VV	2316	49505	4.60%	0.075%
71	6.460	6.448	6.505	VV	2163	55882	5.20%	0.085%
72	6.522	6.505	6.548	VV	1897	37421	3.48%	0.057%
73	6.561	6.548	6.581	VV	1352	23423	2.18%	0.036%
74	6.594	6.581	6.604	VV	1411	17990	1.67%	0.027%
75	6.616	6.604	6.626	VV	1348	16701	1.55%	0.025%
76	6.647	6.626	6.668	VV	3954	60418	5.62%	0.092%
77	6.692	6.668	6.712	VV	2690	51964	4.83%	0.079%
78	6.721	6.712	6.749	VV	1443	23799	2.21%	0.036%
79	6.772	6.749	6.798	VV	1888	37715	3.51%	0.058%
80	6.825	6.798	6.850	VV	2599	49343	4.59%	0.075%
81	6.888	6.850	6.921	VV	1313	44959	4.18%	0.069%
82	6.961	6.921	6.988	VV	1256	38949	3.62%	0.059%
83	7.003	6.988	7.018	VV	1600	23250	2.16%	0.035%
84	7.028	7.018	7.043	VV	1319	16418	1.53%	0.025%
85	7.059	7.043	7.088	VV	1343	26713	2.48%	0.041%
86	7.115	7.088	7.178	VV	1020	41151	3.83%	0.063%
87	7.202	7.178	7.245	VV	6429	91176	8.48%	0.139%
88	7.259	7.245	7.276	VV	1013	13827	1.29%	0.021%
89	7.306	7.276	7.339	VV	1369	30246	2.81%	0.046%

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90	7.349	7.339	7.368	VV	640	9614	0.89%	0.015%
91	7.391	7.368	7.454	VV	888	30181	2.81%	0.046%
92	7.474	7.454	7.501	VV	483	11152	1.04%	0.017%
93	7.517	7.501	7.531	VV	597	8220	0.76%	0.013%
94	7.546	7.531	7.573	VV	521	11380	1.06%	0.017%
95	7.597	7.573	7.666	VV	993	24219	2.25%	0.037%
96	7.686	7.666	7.701	VV	348	4864	0.45%	0.007%
97	7.726	7.701	7.748	VV	469	8842	0.82%	0.013%
98	7.768	7.748	7.804	VV	603	10100	0.94%	0.015%
99	7.815	7.804	7.837	VV	237	3637	0.34%	0.006%
100	7.859	7.837	7.931	VV	339	11199	1.04%	0.017%
101	7.947	7.931	7.970	VV	151	2738	0.25%	0.004%
102	8.000	7.970	8.016	VV	357	6165	0.57%	0.009%
103	8.044	8.016	8.094	VV	662	15633	1.45%	0.024%
104	8.117	8.094	8.138	VV	1757	23277	2.16%	0.035%
105	8.175	8.138	8.248	VV	680	29818	2.77%	0.045%
106	8.256	8.248	8.262	VV	325	2419	0.22%	0.004%
107	8.295	8.262	8.331	VV	771	15433	1.44%	0.024%
108	8.343	8.331	8.365	VV	287	3455	0.32%	0.005%
109	8.395	8.365	8.441	PV	237	6862	0.64%	0.010%
110	8.465	8.441	8.509	VV	1093	14879	1.38%	0.023%
111	8.519	8.509	8.538	VV	115	913	0.08%	0.001%
112	8.561	8.538	8.586	PV	228	4290	0.40%	0.007%
113	8.615	8.586	8.633	VV	384	6962	0.65%	0.011%
114	8.646	8.633	8.674	VV	360	6097	0.57%	0.009%
115	8.694	8.674	8.741	VV	531	10346	0.96%	0.016%
116	8.762	8.741	8.782	VV	1465	17029	1.58%	0.026%
117	8.831	8.782	8.896	VV	1417	30594	2.85%	0.047%
118	8.931	8.896	8.944	VV	393	5759	0.54%	0.009%
119	9.015	8.944	9.038	VV	1043	31428	2.92%	0.048%
120	9.052	9.038	9.091	VV	631	13324	1.24%	0.020%
121	9.138	9.091	9.184	VV	458	14456	1.34%	0.022%
122	9.209	9.184	9.242	VV	454	9257	0.86%	0.014%
123	9.264	9.242	9.276	VV	207	3099	0.29%	0.005%
124	9.309	9.276	9.318	VV	203	3280	0.30%	0.005%
125	9.340	9.318	9.387	VV	515	13425	1.25%	0.020%
126	9.440	9.387	9.468	VV	835	23660	2.20%	0.036%
127	9.519	9.468	9.552	VV	2013	46820	4.35%	0.071%
128	9.573	9.552	9.581	VV	705	8926	0.83%	0.014%
129	9.600	9.581	9.640	VV	1059	26014	2.42%	0.040%
130	9.662	9.640	9.711	VV	852	27268	2.54%	0.042%
131	9.721	9.711	9.737	VV	532	7724	0.72%	0.012%
132	9.748	9.737	9.760	VV	543	6754	0.63%	0.010%
133	9.798	9.760	9.808	VV	655	16478	1.53%	0.025%
134	9.820	9.808	9.838	VV	625	10411	0.97%	0.016%
135	9.878	9.838	9.887	VV	857	22016	2.05%	0.034%
136	9.905	9.887	9.933	VV	1098	22547	2.10%	0.034%
137	9.962	9.933	9.973	VV	824	17566	1.63%	0.027%
138	9.993	9.973	10.001	VV	918	14199	1.32%	0.022%
139	10.008	10.001	10.028	VV	902	13214	1.23%	0.020%
140	10.039	10.028	10.051	VV	763	10314	0.96%	0.016%
141	10.076	10.051	10.091	VV	916	19746	1.84%	0.030%

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142	10.114	10.091	10.125	VV	1088	19212	1.79%	0.029%
143	10.131	10.125	10.150	VV	976	13890	1.29%	0.021%
144	10.179	10.150	10.198	VV	1062	27271	2.54%	0.042%
145	10.218	10.198	10.237	VV	1075	23231	2.16%	0.035%
146	10.290	10.237	10.314	VV	2614	72109	6.71%	0.110%
147	10.373	10.314	10.384	VV	1545	59259	5.51%	0.090%
148	10.394	10.384	10.414	VV	1576	25839	2.40%	0.039%
149	10.444	10.414	10.463	VV	1634	43212	4.02%	0.066%
150	10.540	10.463	10.550	VV	1768	78070	7.26%	0.119%
151	10.570	10.550	10.602	VV	1890	54545	5.07%	0.083%
152	10.642	10.602	10.656	VV	2124	61254	5.70%	0.093%
153	10.667	10.656	10.681	VV	2059	29536	2.75%	0.045%
154	10.713	10.681	10.798	VV	5456	207619	19.31%	0.317%
155	10.821	10.798	10.831	VV	2352	42896	3.99%	0.065%
156	10.849	10.831	10.864	VV	2550	47059	4.38%	0.072%
157	10.890	10.864	10.901	VV	2447	51532	4.79%	0.079%
158	10.919	10.901	10.944	VV	2531	61153	5.69%	0.093%
159	10.981	10.944	10.994	VV	2528	72162	6.71%	0.110%
160	11.032	10.994	11.052	VV	3042	92567	8.61%	0.141%
161	11.063	11.052	11.081	VV	2609	44353	4.12%	0.068%
162	11.129	11.081	11.148	VV	2980	106100	9.87%	0.162%
163	11.155	11.148	11.164	VV	2883	28226	2.62%	0.043%
164	11.179	11.164	11.217	VV	2948	89685	8.34%	0.137%
165	11.239	11.217	11.261	VV	2967	76358	7.10%	0.116%
166	11.280	11.261	11.297	VV	3365	67581	6.28%	0.103%
167	11.309	11.297	11.314	VV	3322	33854	3.15%	0.052%
168	11.343	11.314	11.381	VV	3428	129385	12.03%	0.197%
169	11.436	11.381	11.474	VV	7477	240987	22.41%	0.367%
170	11.498	11.474	11.533	VV	3488	114196	10.62%	0.174%
171	11.544	11.533	11.564	VV	3283	59891	5.57%	0.091%
172	11.647	11.564	11.687	VV	4005	265618	24.70%	0.405%
173	11.723	11.687	11.740	VV	4307	119599	11.12%	0.182%
174	11.754	11.740	11.774	VV	4245	83724	7.79%	0.128%
175	11.809	11.774	11.824	VV	4336	123180	11.46%	0.188%
176	11.856	11.824	11.876	VV	5049	138905	12.92%	0.212%
177	11.899	11.876	11.944	VV	4702	183915	17.10%	0.280%
178	11.997	11.944	12.071	VV	7048	395758	36.80%	0.603%
179	12.092	12.071	12.108	VV	5039	102532	9.54%	0.156%
180	12.128	12.108	12.138	VV	5518	94516	8.79%	0.144%
181	12.147	12.138	12.198	VV	5547	180906	16.82%	0.276%
182	12.233	12.198	12.266	VV	5617	209801	19.51%	0.320%
183	12.288	12.266	12.307	VV	5857	137038	12.74%	0.209%
184	12.328	12.307	12.344	VV	6025	126747	11.79%	0.193%
185	12.391	12.344	12.401	VV	5850	187562	17.44%	0.286%
186	12.423	12.401	12.432	VV	6058	109524	10.19%	0.167%
187	12.445	12.432	12.488	VV	6153	194143	18.05%	0.296%
188	12.522	12.488	12.553	VV	6405	235290	21.88%	0.359%
189	12.580	12.553	12.601	VV	6948	186855	17.38%	0.285%
190	12.607	12.601	12.638	VV	6534	142307	13.23%	0.217%
191	12.659	12.638	12.697	VV	7718	239502	22.27%	0.365%
192	12.713	12.697	12.733	VV	6744	135537	12.60%	0.207%
193	12.778	12.733	12.794	VV	7859	256842	23.89%	0.392%
194	12.806	12.794	12.840	VV	7402	184881	17.19%	0.282%

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195	12.879	12.840	12.891	VV	6779	201962	18.78%	0.308%
196	12.934	12.891	12.964	VV	7291	294203	27.36%	0.449%
197	12.984	12.964	13.010	VV	7508	198264	18.44%	0.302%
198	13.028	13.010	13.042	VV	7414	136749	12.72%	0.209%
199	13.103	13.042	13.133	VV	37407	772789	71.87%	1.178%
200	13.156	13.133	13.192	VV	11597	335021	31.16%	0.511%
201	13.212	13.192	13.231	VV	8794	200625	18.66%	0.306%
202	13.238	13.231	13.266	VV	8339	172600	16.05%	0.263%
203	13.284	13.266	13.304	VV	8494	187722	17.46%	0.286%
204	13.322	13.304	13.342	VV	9166	193172	17.96%	0.295%
205	13.364	13.342	13.428	VV	9236	454647	42.28%	0.693%
206	13.445	13.428	13.471	VV	10140	243727	22.67%	0.372%
207	13.496	13.471	13.522	VV	12109	323687	30.10%	0.494%
208	13.541	13.522	13.571	VV	10408	298096	27.72%	0.455%
209	13.589	13.571	13.630	VV	10757	356084	33.11%	0.543%
210	13.713	13.630	13.737	VV	11729	691084	64.27%	1.054%
211	13.771	13.737	13.801	VV	13217	447280	41.60%	0.682%
212	13.817	13.801	13.832	VV	10990	199169	18.52%	0.304%
213	13.858	13.832	13.894	VV	12097	426564	39.67%	0.650%
214	13.919	13.894	13.960	VV	12527	462186	42.98%	0.705%
215	13.976	13.960	13.991	VV	12167	220066	20.47%	0.336%
216	14.006	13.991	14.034	VV	12806	318878	29.65%	0.486%
217	14.091	14.034	14.121	VV	17666	719877	66.95%	1.098%
218	14.155	14.121	14.203	VV	13856	642059	59.71%	0.979%
219	14.239	14.203	14.304	VV	14719	821937	76.44%	1.253%
220	14.321	14.304	14.357	VV	14207	433703	40.33%	0.661%
221	14.374	14.357	14.401	VV	14016	355962	33.10%	0.543%
222	14.414	14.401	14.431	VV	13718	241527	22.46%	0.368%
223	14.445	14.431	14.457	VV	13369	206953	19.25%	0.316%
224	14.494	14.457	14.508	VV	15021	436181	40.56%	0.665%
225	14.549	14.508	14.608	VV	18394	931973	86.67%	1.421%
226	14.624	14.608	14.641	VV	14503	284453	26.45%	0.434%
227	14.686	14.641	14.704	VV	15796	583466	54.26%	0.890%
228	14.715	14.704	14.758	VV	15072	465334	43.27%	0.710%
229	14.801	14.758	14.838	VV	15693	704339	65.50%	1.074%
230	14.860	14.838	14.934	VV	15698	865173	80.46%	1.319%
231	14.961	14.934	14.971	VV	15558	328279	30.53%	0.501%
232	15.023	14.971	15.071	VV	16664	926428	86.15%	1.413%
233	15.105	15.071	15.136	VV	17810	613672	57.07%	0.936%
234	15.166	15.136	15.183	VV	15667	422164	39.26%	0.644%
235	15.227	15.183	15.254	VV	16718	682035	63.43%	1.040%
236	15.293	15.254	15.361	VV	16381	988606	91.94%	1.507%
237	15.400	15.361	15.462	VV	16598	952701	88.60%	1.453%
238	15.512	15.462	15.566	VV	19435	1075314	100.00%	1.640%
239	15.578	15.566	15.601	VV	15954	320441	29.80%	0.489%
240	15.628	15.601	15.645	VV	15796	404396	37.61%	0.617%
241	15.692	15.645	15.713	VV	15810	626169	58.23%	0.955%
242	15.751	15.713	15.768	VV	16386	525284	48.85%	0.801%
243	15.795	15.768	15.858	VV	20103	927381	86.24%	1.414%
244	15.875	15.858	15.892	VV	16528	322980	30.04%	0.492%
245	15.903	15.892	15.921	VV	16106	270803	25.18%	0.413%
246	15.943	15.921	15.968	VV	15963	434946	40.45%	0.663%

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247	15.982	15.968	16.001	VV	16537	321807	29.93%	0.491%
248	16.021	16.001	16.065	VV	18649	637144	59.25%	0.972%
249	16.076	16.065	16.121	VV	15206	495860	46.11%	0.756%
250	16.146	16.121	16.161	VV	16012	364891	33.93%	0.556%
251	16.207	16.161	16.259	VV	16854	944963	87.88%	1.441%
252	16.304	16.259	16.343	VV	19073	877098	81.57%	1.337%
253	16.357	16.343	16.398	VV	16750	507913	47.23%	0.774%
254	16.434	16.398	16.452	VV	15719	495839	46.11%	0.756%
255	16.470	16.452	16.521	VV	15436	610622	56.79%	0.931%
256	16.533	16.521	16.546	VV	14326	214377	19.94%	0.327%
257	16.565	16.546	16.581	VV	14656	295262	27.46%	0.450%
258	16.593	16.581	16.603	VV	14875	196836	18.31%	0.300%
259	16.622	16.603	16.634	VV	15352	276863	25.75%	0.422%
260	16.646	16.634	16.657	VV	15294	204303	19.00%	0.312%
261	16.696	16.657	16.773	VV	16843	1071604	99.66%	1.634%
262	16.800	16.773	16.877	VV	16099	882745	82.09%	1.346%
263	16.935	16.877	16.947	VV	14614	569687	52.98%	0.869%
264	16.966	16.947	17.018	VV	16586	604608	56.23%	0.922%
265	17.072	17.018	17.107	VV	13576	702487	65.33%	1.071%
266	17.127	17.107	17.137	VV	13429	234392	21.80%	0.357%
267	17.166	17.137	17.223	VV	15548	714285	66.43%	1.089%
268	17.267	17.223	17.290	VV	12728	485632	45.16%	0.741%
269	17.305	17.290	17.319	VV	11813	198665	18.48%	0.303%
270	17.337	17.319	17.351	VV	11943	221578	20.61%	0.338%
271	17.383	17.351	17.454	VV	12182	694245	64.56%	1.059%
272	17.511	17.454	17.548	VV	12987	624319	58.06%	0.952%
273	17.554	17.548	17.582	VV	10176	201064	18.70%	0.307%
274	17.596	17.582	17.644	VV	9947	353178	32.84%	0.539%
275	17.654	17.644	17.668	VV	9150	126123	11.73%	0.192%
276	17.683	17.668	17.707	VV	9443	212306	19.74%	0.324%
277	17.732	17.707	17.787	VV	10133	451951	42.03%	0.689%
278	17.825	17.787	17.856	VV	10865	390065	36.27%	0.595%
279	17.871	17.856	17.931	VV	8099	345145	32.10%	0.526%
280	17.983	17.931	18.049	VV	9465	567689	52.79%	0.866%
281	18.070	18.049	18.158	VV	7267	442335	41.14%	0.674%
282	18.187	18.158	18.225	VV	7513	278193	25.87%	0.424%
283	18.242	18.225	18.274	VV	7191	191397	17.80%	0.292%
284	18.293	18.274	18.308	VV	5764	109333	10.17%	0.167%
285	18.348	18.308	18.448	VV	7777	463383	43.09%	0.707%
286	18.465	18.448	18.477	VV	5020	85033	7.91%	0.130%
287	18.531	18.477	18.579	VV	5402	306576	28.51%	0.467%
288	18.588	18.579	18.600	VV	4819	55909	5.20%	0.085%
289	18.656	18.600	18.716	VV	6401	324968	30.22%	0.496%
290	18.772	18.716	18.798	VV	4717	199756	18.58%	0.305%
291	18.819	18.798	18.888	VV	4475	223210	20.76%	0.340%
292	18.917	18.888	18.938	VV	3975	114917	10.69%	0.175%
293	18.958	18.938	18.994	VV	3913	126364	11.75%	0.193%
294	19.056	18.994	19.082	VV	5544	216228	20.11%	0.330%
295	19.102	19.082	19.146	VV	3974	136268	12.67%	0.208%
296	19.168	19.146	19.195	VV	3679	99177	9.22%	0.151%
297	19.240	19.195	19.287	VV	3912	192221	17.88%	0.293%
298	19.306	19.287	19.316	VV	3415	58007	5.39%	0.088%
299	19.352	19.316	19.405	VV	3346	172767	16.07%	0.263%

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300	19.444	19.405	19.525	VV	5342	279533	26.00%	0.426%
301	19.554	19.525	19.563	VV	3304	72269	6.72%	0.110%
302	19.577	19.563	19.600	VV	3473	72470	6.74%	0.111%
303	19.636	19.600	19.644	VV	3371	85132	7.92%	0.130%
304	19.677	19.644	19.704	VV	3502	122026	11.35%	0.186%
305	19.740	19.704	19.771	VV	3636	140646	13.08%	0.214%
306	19.819	19.771	19.838	VV	4886	159701	14.85%	0.244%
307	19.860	19.838	19.899	VV	4223	147022	13.67%	0.224%
308	19.908	19.899	19.914	VV	3660	33804	3.14%	0.052%
309	19.942	19.914	19.954	VV	3816	89949	8.36%	0.137%
310	19.968	19.954	19.984	VV	4078	70650	6.57%	0.108%
311	19.992	19.984	20.023	VV	4151	92044	8.56%	0.140%
312	20.048	20.023	20.084	VV	4170	149931	13.94%	0.229%
313	20.102	20.084	20.118	VV	4346	84965	7.90%	0.130%
314	20.137	20.118	20.158	VV	4522	105214	9.78%	0.160%
315	20.181	20.158	20.210	VV	5506	153595	14.28%	0.234%
316	20.231	20.210	20.251	VV	4908	116410	10.83%	0.178%
317	20.456	20.251	20.524	VV	6209	862758	80.23%	1.316%
318	20.546	20.524	20.574	VV	5400	155350	14.45%	0.237%
319	20.583	20.574	20.630	VV	4816	156818	14.58%	0.239%
320	20.686	20.630	20.767	VV	5243	405991	37.76%	0.619%
321	20.787	20.767	20.904	VV	4994	383300	35.65%	0.584%
322	20.916	20.904	20.921	VV	4539	45422	4.22%	0.069%
323	20.946	20.921	20.998	VV	4839	205810	19.14%	0.314%
324	21.009	20.998	21.062	VV	4311	161952	15.06%	0.247%
325	21.080	21.062	21.091	VV	4131	71085	6.61%	0.108%
326	21.115	21.091	21.134	VV	4143	105841	9.84%	0.161%
327	21.155	21.134	21.199	VV	4080	154991	14.41%	0.236%
328	21.212	21.199	21.248	VV	3970	112257	10.44%	0.171%
329	21.285	21.248	21.321	VV	4006	168892	15.71%	0.258%
330	21.332	21.321	21.341	VV	3865	46494	4.32%	0.071%
331	21.344	21.341	21.371	VV	3848	67076	6.24%	0.102%
332	21.395	21.371	21.446	VV	3942	169214	15.74%	0.258%
333	21.475	21.446	21.495	VV	3652	103231	9.60%	0.157%
334	21.508	21.495	21.578	VV	3582	174837	16.26%	0.267%
335	21.585	21.578	21.614	VV	3460	75492	7.02%	0.115%
336	21.647	21.614	21.709	VV	3494	193075	17.96%	0.294%
337	21.724	21.709	21.754	VV	3361	89750	8.35%	0.137%
338	21.768	21.754	21.782	VV	3325	54526	5.07%	0.083%
339	21.813	21.782	21.831	VV	3283	95597	8.89%	0.146%
340	21.837	21.831	21.869	VV	3235	71957	6.69%	0.110%
341	21.911	21.869	21.954	VV	3620	169896	15.80%	0.259%
342	21.979	21.954	22.033	VV	3234	145556	13.54%	0.222%
343	22.075	22.033	22.084	VV	3054	90739	8.44%	0.138%
344	22.092	22.084	22.104	VV	3007	36836	3.43%	0.056%
345	22.115	22.104	22.177	VV	3022	126582	11.77%	0.193%
346	22.189	22.177	22.258	VV	2987	141193	13.13%	0.215%
347	22.270	22.258	22.314	VV	2942	96735	9.00%	0.148%
348	22.347	22.314	22.412	VV	2842	161235	14.99%	0.246%
Sum of corrected areas:					65580052			

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
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
FD049570.D	5	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.83		0.79	4.41	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.45	J	1.52	6.61	mg/kg
Aromatic C16-C21	Aromatic C16-C21	24.9		2.64	11.0	mg/kg
Aromatic C21-C36	Aromatic C21-C36	117		7.87	17.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	7.26		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	6.91		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.68		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-01DL	Acq On:	17 Jul 2025 09:40
Client Sample ID:	TRENCHDL	Operator:	YP/AJ
Data file:	FD049570.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.430	6.172	2447618	17.765	200	ug/ml
Aromatic C12-C16	6.173	8.799	1931788	12.359	300	ug/ml
Aromatic C16-C21	8.800	13.090	9913986	61.469	500	ug/ml
Aromatic C21-C36	13.091	18.508	36627473	261.582	800	ug/ml
Aromatic EPH	4.430	18.508	50920865	353.176		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	950437	7.26		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	639901	6.91		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	931125	5.68		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049570.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 09:40
 Operator : YP/AJ
 Sample : Q2600-01DL 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 TRENCHDL

Integration File: autoint1.e
 Quant Time: Jul 17 11:54:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.734	950437	7.264 ug/ml
Spiked Amount 50.000		Recovery =	14.53%
6) S 2-Fluorobiphenyl (SURR)	8.599	639901	6.906 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	13.81%
11) S ortho-Terphenyl (SURR)	11.642	931125	5.679 ug/ml
Spiked Amount 50.000		Recovery =	11.36%

Target Compounds

(f)=RT Delta > 1/2 Window

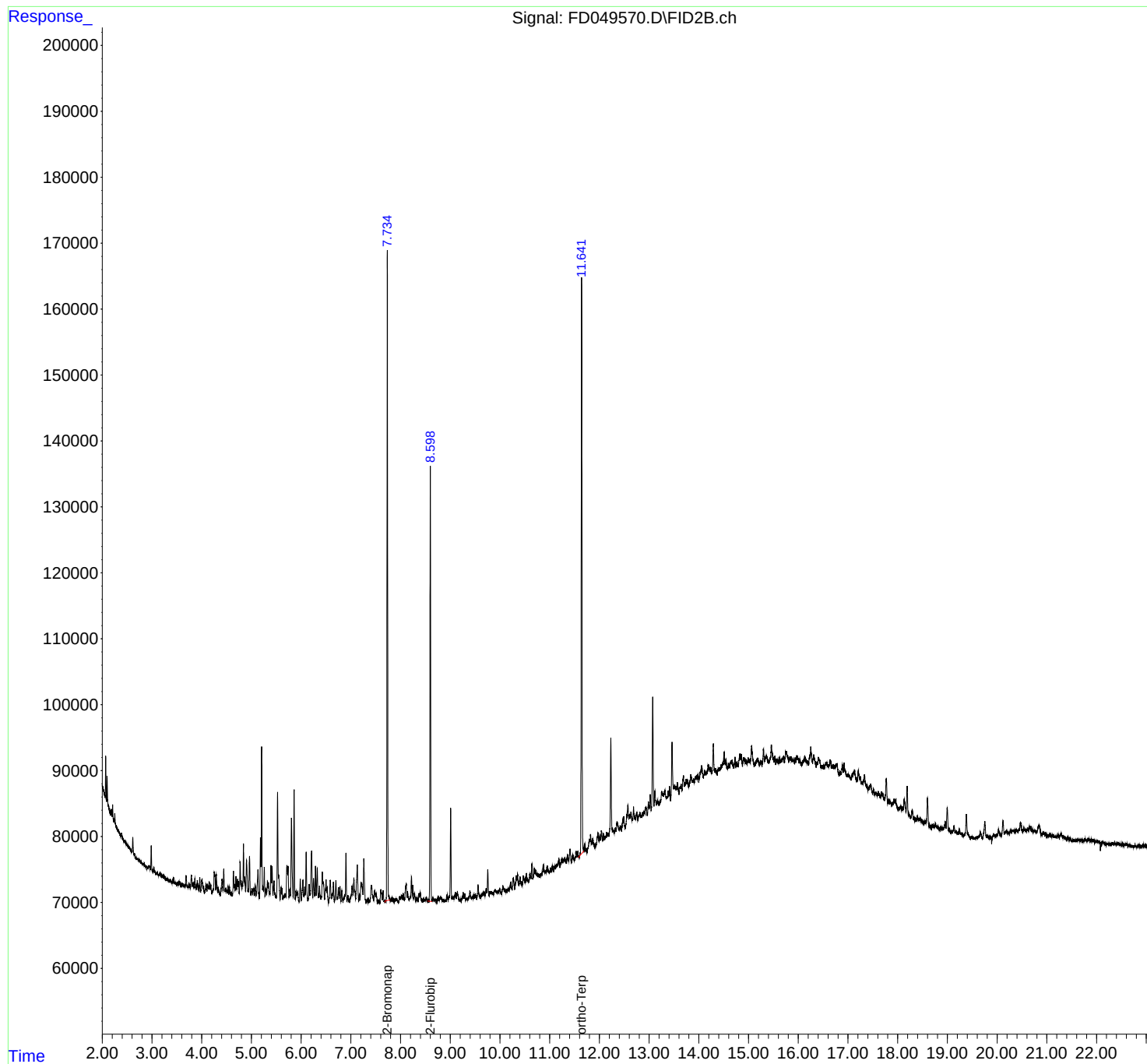
(m)=manual int.

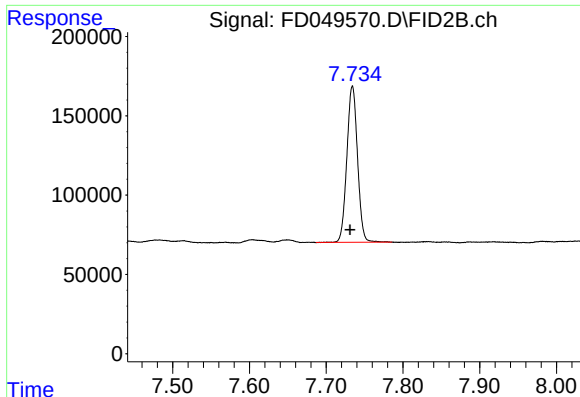
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
Data File : FD049570.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 09:40
Operator : YP/AJ
Sample : Q2600-01DL 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
TRENCHDL

Integration File: autoint1.e
Quant Time: Jul 17 11:54:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

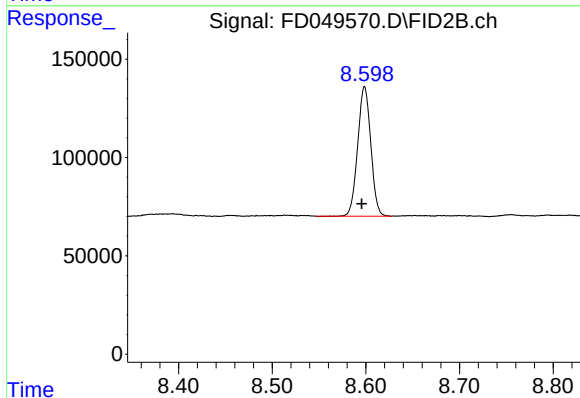




#4 2-Bromonaphthalene (SURR)

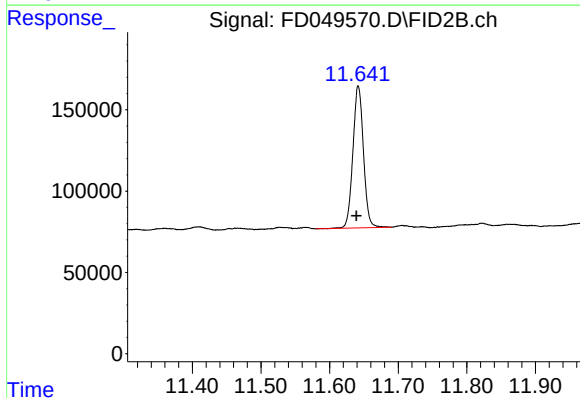
R.T.: 7.734 min
Delta R.T.: 0.003 min
Response: 950437
Conc: 7.26 ug/ml

Instrument :
FID_D
ClientSampleId :
TRENCHDL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: 0.003 min
Response: 639901
Conc: 6.91 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.003 min
Response: 931125
Conc: 5.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049570.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 09:40
 Sample : Q2600-01DL 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.294	4.262	4.320	BV	1480	3324	0.28%	0.006%
2	4.333	4.320	4.344	PV	770	5753	0.49%	0.011%
3	4.353	4.344	4.375	VV	411	3012	0.25%	0.006%
4	4.411	4.375	4.428	PV	2492	44783	3.78%	0.083%
5	4.444	4.428	4.468	VV	4104	49427	4.17%	0.092%
6	4.486	4.468	4.518	VV	1249	26158	2.21%	0.049%
7	4.531	4.518	4.546	VV	1382	14940	1.26%	0.028%
8	4.559	4.546	4.584	VV	1366	19224	1.62%	0.036%
9	4.593	4.584	4.618	VV	489	6722	0.57%	0.012%
10	4.639	4.618	4.673	VV	3891	60334	5.09%	0.112%
11	4.689	4.673	4.703	VV	3109	35034	2.96%	0.065%
12	4.722	4.703	4.732	VV	2695	36145	3.05%	0.067%
13	4.741	4.732	4.757	VV	2323	22720	1.92%	0.042%
14	4.773	4.757	4.787	VV	5395	55682	4.70%	0.103%
15	4.795	4.787	4.810	VV	2479	26421	2.23%	0.049%
16	4.820	4.810	4.826	VV	2179	17053	1.44%	0.032%
17	4.840	4.826	4.855	VV	8156	81860	6.91%	0.152%
18	4.862	4.855	4.884	VV	3167	38320	3.23%	0.071%
19	4.903	4.884	4.940	VV	5665	93760	7.91%	0.174%
20	4.962	4.940	4.988	VV	6217	82536	6.96%	0.153%
21	5.009	4.988	5.026	VV	1369	21332	1.80%	0.040%
22	5.040	5.026	5.062	VV	1487	24122	2.03%	0.045%
23	5.075	5.062	5.102	VV	2003	29072	2.45%	0.054%
24	5.131	5.102	5.160	VV	4367	65099	5.49%	0.121%
25	5.182	5.160	5.191	VV	9221	83224	7.02%	0.154%
26	5.205	5.191	5.227	VV	23000	222812	18.80%	0.413%
27	5.237	5.227	5.247	VV	1812	17947	1.51%	0.033%
28	5.259	5.247	5.275	VV	4824	43073	3.63%	0.080%
29	5.294	5.275	5.307	VV	1509	20572	1.74%	0.038%
30	5.325	5.307	5.336	VV	2716	32749	2.76%	0.061%
31	5.343	5.336	5.359	VV	2477	24261	2.05%	0.045%
32	5.366	5.359	5.373	VV	1098	8696	0.73%	0.016%
33	5.394	5.373	5.404	VV	5180	55941	4.72%	0.104%
34	5.416	5.404	5.434	VV	4979	53865	4.54%	0.100%
35	5.455	5.434	5.500	VV	2793	47993	4.05%	0.089%
36	5.526	5.500	5.544	VV	16322	172719	14.57%	0.320%

					rteres			
37	5.550	5.544	5.577	VV	3818	41995	3.54%	0.078%
38	5.594	5.577	5.605	VV	1900	19021	1.60%	0.035%
39	5.614	5.605	5.632	VV	1868	17039	1.44%	0.032%
40	5.649	5.632	5.666	VV	630	10054	0.85%	0.019%
41	5.683	5.666	5.692	VV	859	11334	0.96%	0.021%
42	5.713	5.692	5.729	VV	5322	79524	6.71%	0.147%
43	5.738	5.729	5.756	VV	5229	50119	4.23%	0.093%
44	5.773	5.756	5.785	VV	1754	19378	1.63%	0.036%
45	5.806	5.785	5.842	VV	12541	181077	15.28%	0.336%
46	5.859	5.842	5.883	VV	16890	154323	13.02%	0.286%
47	5.899	5.883	5.913	VV	1555	19422	1.64%	0.036%
48	5.927	5.913	5.953	VV	1369	21050	1.78%	0.039%
49	5.983	5.953	6.005	PV	3405	36372	3.07%	0.067%
50	6.036	6.005	6.053	VV	3328	49792	4.20%	0.092%
51	6.072	6.053	6.083	VV	2224	26784	2.26%	0.050%
52	6.102	6.083	6.138	VV	7577	90968	7.67%	0.169%
53	6.161	6.138	6.174	VV	2638	29553	2.49%	0.055%
54	6.179	6.174	6.184	VV	1214	7477	0.63%	0.014%
55	6.211	6.184	6.235	VV	7751	121826	10.28%	0.226%
56	6.250	6.235	6.272	VV	3593	48613	4.10%	0.090%
57	6.289	6.272	6.305	VV	5500	59026	4.98%	0.109%
58	6.325	6.305	6.354	VV	5155	74308	6.27%	0.138%
59	6.370	6.354	6.404	VV	2456	36415	3.07%	0.068%
60	6.427	6.404	6.470	VV	4660	97629	8.24%	0.181%
61	6.502	6.470	6.515	VV	3494	53709	4.53%	0.100%
62	6.523	6.515	6.550	VV	2301	24757	2.09%	0.046%
63	6.587	6.550	6.609	PV	3454	57224	4.83%	0.106%
64	6.629	6.609	6.634	VV	1512	17708	1.49%	0.033%
65	6.650	6.634	6.671	VV	3172	35766	3.02%	0.066%
66	6.700	6.671	6.734	VV	3386	52425	4.42%	0.097%
67	6.752	6.734	6.766	VV	2266	28017	2.36%	0.052%
68	6.782	6.766	6.800	VV	2523	30113	2.54%	0.056%
69	6.818	6.800	6.842	VV	1871	24963	2.11%	0.046%
70	6.879	6.842	6.885	VV	1308	20225	1.71%	0.038%
71	6.903	6.885	6.924	VV	7524	76529	6.46%	0.142%
72	6.942	6.924	6.957	VV	1151	13946	1.18%	0.026%
73	6.963	6.957	6.968	VV	504	2564	0.22%	0.005%
74	6.990	6.968	6.995	VV	826	9680	0.82%	0.018%
75	7.025	6.995	7.043	VV	2592	47963	4.05%	0.089%
76	7.062	7.043	7.095	VV	3814	65328	5.51%	0.121%
77	7.131	7.095	7.159	VV	5748	104726	8.83%	0.194%
78	7.173	7.159	7.187	VV	1376	14123	1.19%	0.026%
79	7.204	7.187	7.212	VV	3202	33035	2.79%	0.061%
80	7.222	7.212	7.245	VV	3030	45481	3.84%	0.084%
81	7.262	7.245	7.301	VV	6761	95599	8.06%	0.177%
82	7.330	7.301	7.345	VV	554	8396	0.71%	0.016%
83	7.359	7.345	7.375	VV	502	4820	0.41%	0.009%
84	7.410	7.375	7.415	VV	2598	29031	2.45%	0.054%
85	7.419	7.415	7.459	VV	2649	37067	3.13%	0.069%
86	7.483	7.459	7.500	VV	1861	33686	2.84%	0.062%
87	7.514	7.500	7.546	VV	1377	18696	1.58%	0.035%
88	7.569	7.546	7.585	VV	422	4033	0.34%	0.007%
89	7.604	7.585	7.631	PV	2029	33624	2.84%	0.062%

					rteres			
90	7.650	7.631	7.668	VV	1864	26296	2.22%	0.049%
91	7.678	7.668	7.687	VV	385	3765	0.32%	0.007%
92	7.734	7.687	7.803	VV	98815	978044	82.51%	1.814%
93	7.813	7.803	7.816	VV	519	3448	0.29%	0.006%
94	7.833	7.816	7.848	VV	832	11270	0.95%	0.021%
95	7.855	7.848	7.875	VV	542	6195	0.52%	0.011%
96	7.887	7.875	7.899	VV	612	6297	0.53%	0.012%
97	7.918	7.899	7.952	VV	675	14502	1.22%	0.027%
98	7.957	7.952	7.964	VV	295	1060	0.09%	0.002%
99	7.981	7.964	7.997	VV	985	13176	1.11%	0.024%
100	8.009	7.997	8.013	VV	899	7970	0.67%	0.015%
101	8.029	8.013	8.041	VV	1197	15676	1.32%	0.029%
102	8.053	8.041	8.080	VV	1385	18741	1.58%	0.035%
103	8.101	8.080	8.107	VV	2452	25227	2.13%	0.047%
104	8.113	8.107	8.129	VV	2844	28699	2.42%	0.053%
105	8.141	8.129	8.169	VV	1714	26456	2.23%	0.049%
106	8.219	8.169	8.234	VV	4010	61949	5.23%	0.115%
107	8.246	8.234	8.265	VV	2758	31634	2.67%	0.059%
108	8.280	8.265	8.300	VV	1443	20926	1.77%	0.039%
109	8.327	8.300	8.348	VV	884	15883	1.34%	0.029%
110	8.393	8.348	8.445	VV	1519	46358	3.91%	0.086%
111	8.456	8.445	8.469	VV	633	6578	0.55%	0.012%
112	8.514	8.469	8.528	VV	752	17415	1.47%	0.032%
113	8.533	8.528	8.554	VV	627	6070	0.51%	0.011%
114	8.599	8.554	8.633	VV	66204	651706	54.98%	1.208%
115	8.652	8.633	8.673	VV	597	10824	0.91%	0.020%
116	8.679	8.673	8.691	VV	550	5162	0.44%	0.010%
117	8.700	8.691	8.709	VV	616	4928	0.42%	0.009%
118	8.712	8.709	8.732	VV	462	3569	0.30%	0.007%
119	8.756	8.732	8.782	PV	1012	16278	1.37%	0.030%
120	8.795	8.782	8.801	VV	774	6908	0.58%	0.013%
121	8.807	8.801	8.811	VV	647	3741	0.32%	0.007%
122	8.819	8.811	8.838	VV	650	7661	0.65%	0.014%
123	8.844	8.838	8.850	VV	275	1962	0.17%	0.004%
124	8.856	8.850	8.876	VV	412	4186	0.35%	0.008%
125	8.892	8.876	8.904	VV	328	3536	0.30%	0.007%
126	8.937	8.904	8.955	VV	1098	17087	1.44%	0.032%
127	8.976	8.955	8.982	VV	840	9515	0.80%	0.018%
128	9.008	8.982	9.035	VV	14139	151446	12.78%	0.281%
129	9.046	9.035	9.051	VV	659	5508	0.46%	0.010%
130	9.059	9.051	9.071	VV	789	7186	0.61%	0.013%
131	9.103	9.071	9.119	VV	1387	24688	2.08%	0.046%
132	9.144	9.119	9.178	VV	1527	27100	2.29%	0.050%
133	9.185	9.178	9.190	VV	196	1212	0.10%	0.002%
134	9.204	9.190	9.222	VV	287	2426	0.20%	0.004%
135	9.239	9.222	9.244	PV	518	4432	0.37%	0.008%
136	9.261	9.244	9.282	VV	1275	17792	1.50%	0.033%
137	9.292	9.282	9.326	VV	1035	11968	1.01%	0.022%
138	9.332	9.326	9.350	VV	325	3082	0.26%	0.006%
139	9.374	9.350	9.378	VV	526	3896	0.33%	0.007%
140	9.396	9.378	9.428	VV	1352	20698	1.75%	0.038%
141	9.440	9.428	9.459	VV	490	5682	0.48%	0.011%

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142	9.476	9.459	9.491	VV	779	9242	0.78%	0.017%
143	9.507	9.491	9.530	VV	910	11100	0.94%	0.021%
144	9.559	9.530	9.584	PV	2209	32221	2.72%	0.060%
145	9.589	9.584	9.603	VV	446	3859	0.33%	0.007%
146	9.631	9.603	9.647	VV	674	10747	0.91%	0.020%
147	9.680	9.647	9.695	VV	1022	20434	1.72%	0.038%
148	9.723	9.695	9.738	VV	1415	21659	1.83%	0.040%
149	9.755	9.738	9.781	VV	4185	49376	4.17%	0.092%
150	9.797	9.781	9.812	VV	876	11354	0.96%	0.021%
151	9.828	9.812	9.846	VV	855	13796	1.16%	0.026%
152	9.851	9.846	9.872	VV	705	7538	0.64%	0.014%
153	9.904	9.872	9.925	VV	1075	25286	2.13%	0.047%
154	9.929	9.925	9.940	VV	756	5559	0.47%	0.010%
155	9.954	9.940	9.959	VV	695	6582	0.56%	0.012%
156	9.964	9.959	9.971	VV	689	4794	0.40%	0.009%
157	9.995	9.971	10.027	VV	1110	22507	1.90%	0.042%
158	10.063	10.027	10.087	VV	1323	30921	2.61%	0.057%
159	10.091	10.087	10.098	VV	767	4455	0.38%	0.008%
160	10.107	10.098	10.121	VV	753	8442	0.71%	0.016%
161	10.132	10.121	10.144	VV	821	8273	0.70%	0.015%
162	10.165	10.144	10.177	VV	910	14010	1.18%	0.026%
163	10.216	10.177	10.243	VV	1790	43827	3.70%	0.081%
164	10.265	10.243	10.297	VV	2323	48439	4.09%	0.090%
165	10.326	10.297	10.339	VV	2616	47261	3.99%	0.088%
166	10.354	10.339	10.383	VV	2827	51410	4.34%	0.095%
167	10.401	10.383	10.419	VV	2386	39874	3.36%	0.074%
168	10.424	10.419	10.447	VV	1619	22903	1.93%	0.042%
169	10.470	10.447	10.506	VV	2474	64263	5.42%	0.119%
170	10.530	10.506	10.557	VV	2690	61641	5.20%	0.114%
171	10.560	10.557	10.582	VV	1734	23301	1.97%	0.043%
172	10.604	10.582	10.625	VV	2623	55373	4.67%	0.103%
173	10.643	10.625	10.663	VV	4136	65844	5.55%	0.122%
174	10.693	10.663	10.710	VV	3310	75647	6.38%	0.140%
175	10.718	10.710	10.740	VV	3028	46947	3.96%	0.087%
176	10.747	10.740	10.767	VV	2475	37184	3.14%	0.069%
177	10.780	10.767	10.803	VV	2335	47595	4.02%	0.088%
178	10.812	10.803	10.818	VV	2364	19204	1.62%	0.036%
179	10.820	10.818	10.824	VV	2288	8248	0.70%	0.015%
180	10.839	10.824	10.848	VV	2441	34316	2.89%	0.064%
181	10.876	10.848	10.897	VV	3700	85667	7.23%	0.159%
182	10.900	10.897	10.908	VV	2671	17579	1.48%	0.033%
183	10.918	10.908	10.932	VV	2680	36217	3.06%	0.067%
184	10.953	10.932	10.967	VV	3438	63665	5.37%	0.118%
185	10.973	10.967	10.993	VV	2660	39480	3.33%	0.073%
186	11.015	10.993	11.032	VV	2995	60876	5.14%	0.113%
187	11.057	11.032	11.073	VV	3338	70983	5.99%	0.132%
188	11.100	11.073	11.110	VV	3213	65069	5.49%	0.121%
189	11.130	11.110	11.144	VV	3320	62311	5.26%	0.116%
190	11.155	11.144	11.165	VV	3383	43177	3.64%	0.080%
191	11.183	11.165	11.206	VV	4214	88076	7.43%	0.163%
192	11.237	11.206	11.250	VV	3980	94287	7.95%	0.175%
193	11.264	11.250	11.279	VV	4011	66715	5.63%	0.124%
194	11.298	11.279	11.312	VV	4059	78091	6.59%	0.145%

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195	11.318	11.312	11.334	VV	3969	48674	4.11%	0.090%
196	11.360	11.334	11.384	VV	4451	122165	10.31%	0.227%
197	11.410	11.384	11.439	VV	5329	142468	12.02%	0.264%
198	11.463	11.439	11.494	VV	4384	132381	11.17%	0.245%
199	11.527	11.494	11.551	VV	4981	148859	12.56%	0.276%
200	11.565	11.551	11.580	VV	4863	76032	6.41%	0.141%
201	11.592	11.580	11.597	VV	4114	41477	3.50%	0.077%
202	11.642	11.597	11.691	VV	91680	1185418	100.00%	2.198%
203	11.706	11.691	11.724	VV	5863	106643	9.00%	0.198%
204	11.735	11.724	11.750	VV	5109	76905	6.49%	0.143%
205	11.822	11.750	11.839	VV	7082	309546	26.11%	0.574%
206	11.861	11.839	11.866	VV	6360	98562	8.31%	0.183%
207	11.868	11.866	11.889	VV	6395	82180	6.93%	0.152%
208	11.895	11.889	11.908	VV	5672	62579	5.28%	0.116%
209	11.922	11.908	11.926	VV	5424	58072	4.90%	0.108%
210	11.975	11.926	11.992	VV	7163	248360	20.95%	0.461%
211	12.013	11.992	12.025	VV	6999	127108	10.72%	0.236%
212	12.041	12.025	12.061	VV	7410	146357	12.35%	0.271%
213	12.079	12.061	12.097	VV	6942	137500	11.60%	0.255%
214	12.115	12.097	12.124	VV	6608	104118	8.78%	0.193%
215	12.146	12.124	12.162	VV	7080	152745	12.89%	0.283%
216	12.178	12.162	12.192	VV	7035	119522	10.08%	0.222%
217	12.230	12.192	12.279	VV	21274	531354	44.82%	0.985%
218	12.282	12.279	12.294	VV	7286	66039	5.57%	0.122%
219	12.323	12.294	12.334	VV	7623	173209	14.61%	0.321%
220	12.353	12.334	12.391	VV	8452	266385	22.47%	0.494%
221	12.400	12.391	12.405	VV	7503	64853	5.47%	0.120%
222	12.421	12.405	12.447	VV	7694	184632	15.58%	0.342%
223	12.486	12.447	12.523	VV	9132	365682	30.85%	0.678%
224	12.572	12.523	12.592	VV	10718	379222	31.99%	0.703%
225	12.609	12.592	12.621	VV	9261	157757	13.31%	0.293%
226	12.634	12.621	12.662	VV	9626	219294	18.50%	0.407%
227	12.687	12.662	12.702	VV	10318	219871	18.55%	0.408%
228	12.712	12.702	12.732	VV	8936	155551	13.12%	0.288%
229	12.750	12.732	12.779	VV	9403	248532	20.97%	0.461%
230	12.792	12.779	12.800	VV	8922	113002	9.53%	0.210%
231	12.816	12.800	12.836	VV	9286	193829	16.35%	0.359%
232	12.840	12.836	12.851	VV	8860	76958	6.49%	0.143%
233	12.869	12.851	12.875	VV	9133	131260	11.07%	0.243%
234	12.877	12.875	12.882	VV	9170	35753	3.02%	0.066%
235	12.902	12.882	12.917	VV	9399	189051	15.95%	0.351%
236	12.935	12.917	12.966	VV	10042	284039	23.96%	0.527%
237	12.986	12.966	12.999	VV	10739	194067	16.37%	0.360%
238	13.022	12.999	13.041	VV	11804	266076	22.45%	0.493%
239	13.073	13.041	13.098	VV	26610	532888	44.95%	0.988%
240	13.117	13.098	13.146	VV	12256	318708	26.89%	0.591%
241	13.159	13.146	13.164	VV	10581	110994	9.36%	0.206%
242	13.171	13.164	13.186	VV	10891	140502	11.85%	0.261%
243	13.192	13.186	13.201	VV	10451	91195	7.69%	0.169%
244	13.221	13.201	13.231	VV	10700	189727	16.01%	0.352%
245	13.253	13.231	13.287	VV	11995	381431	32.18%	0.707%
246	13.317	13.287	13.358	VV	12176	486517	41.04%	0.902%

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247	13.383	13.358	13.396	VV	11989	264997	22.35%	0.491%
248	13.411	13.396	13.430	VV	12621	233775	19.72%	0.434%
249	13.461	13.430	13.502	VV	19301	596237	50.30%	1.106%
250	13.515	13.502	13.529	VV	12653	202860	17.11%	0.376%
251	13.541	13.529	13.553	VV	12491	170673	14.40%	0.316%
252	13.568	13.553	13.600	VV	13009	348986	29.44%	0.647%
253	13.645	13.600	13.660	VV	12649	431832	36.43%	0.801%
254	13.691	13.660	13.713	VV	13830	405898	34.24%	0.753%
255	13.723	13.713	13.728	VV	12726	114830	9.69%	0.213%
256	13.744	13.728	13.755	VV	13149	211823	17.87%	0.393%
257	13.770	13.755	13.796	VV	13154	312319	26.35%	0.579%
258	13.838	13.796	13.877	VV	13959	627962	52.97%	1.164%
259	13.892	13.877	13.911	VV	13149	264786	22.34%	0.491%
260	13.955	13.911	13.970	VV	13575	466776	39.38%	0.866%
261	13.983	13.970	13.999	VV	13684	232241	19.59%	0.431%
262	14.056	13.999	14.081	VV	14979	687344	57.98%	1.275%
263	14.088	14.081	14.095	VV	13348	107917	9.10%	0.200%
264	14.115	14.095	14.135	VV	14187	334007	28.18%	0.619%
265	14.159	14.135	14.171	VV	13964	291159	24.56%	0.540%
266	14.191	14.171	14.229	VV	15007	502592	42.40%	0.932%
267	14.250	14.229	14.269	VV	14463	337503	28.47%	0.626%
268	14.292	14.269	14.323	VV	18012	500359	42.21%	0.928%
269	14.329	14.323	14.366	VV	14188	352028	29.70%	0.653%
270	14.406	14.366	14.420	VV	14301	455562	38.43%	0.845%
271	14.445	14.420	14.450	VV	14555	252645	21.31%	0.468%
272	14.457	14.450	14.465	VV	14607	131245	11.07%	0.243%
273	14.483	14.465	14.490	VV	14937	221549	18.69%	0.411%
274	14.509	14.490	14.534	VV	16564	408234	34.44%	0.757%
275	14.547	14.534	14.565	VV	15382	278050	23.46%	0.516%
276	14.573	14.565	14.583	VV	14127	150645	12.71%	0.279%
277	14.599	14.583	14.622	VV	14750	330933	27.92%	0.614%
278	14.645	14.622	14.654	VV	15004	281645	23.76%	0.522%
279	14.670	14.654	14.693	VV	15130	342061	28.86%	0.634%
280	14.727	14.693	14.753	VV	15419	529395	44.66%	0.982%
281	14.762	14.753	14.774	VV	14649	175515	14.81%	0.325%
282	14.781	14.774	14.787	VV	14383	118151	9.97%	0.219%
283	14.820	14.787	14.847	VV	15702	541980	45.72%	1.005%
284	14.857	14.847	14.878	VV	15723	273600	23.08%	0.507%
285	14.900	14.878	14.917	VV	15271	347044	29.28%	0.644%
286	14.927	14.917	14.939	VV	15073	193572	16.33%	0.359%
287	14.948	14.939	14.964	VV	14700	222219	18.75%	0.412%
288	14.991	14.964	15.024	VV	15098	519109	43.79%	0.963%
289	15.029	15.024	15.036	VV	14738	108072	9.12%	0.200%
290	15.063	15.036	15.115	VV	16862	718609	60.62%	1.333%
291	15.127	15.115	15.140	VV	14191	209176	17.65%	0.388%
292	15.170	15.140	15.179	VV	14720	329729	27.82%	0.611%
293	15.183	15.179	15.207	VV	14850	245507	20.71%	0.455%
294	15.211	15.207	15.221	VV	14176	119134	10.05%	0.221%
295	15.240	15.221	15.271	VV	14341	418162	35.28%	0.775%
296	15.302	15.271	15.323	VV	16031	463488	39.10%	0.859%
297	15.329	15.323	15.332	VV	14531	73529	6.20%	0.136%
298	15.363	15.332	15.384	VV	15163	455843	38.45%	0.845%
299	15.395	15.384	15.407	VV	14283	197330	16.65%	0.366%

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300	15.462	15.407	15.515	VV	16478	960856	81.06%	1.782%
301	15.525	15.515	15.544	VV	14682	247040	20.84%	0.458%
302	15.566	15.544	15.576	VV	14176	268385	22.64%	0.498%
303	15.584	15.576	15.603	VV	14161	218222	18.41%	0.405%
304	15.627	15.603	15.636	VV	14472	277496	23.41%	0.515%
305	15.641	15.636	15.659	VV	13959	189684	16.00%	0.352%
306	15.664	15.659	15.668	VV	14023	79704	6.72%	0.148%
307	15.674	15.668	15.678	VV	14066	80952	6.83%	0.150%
308	15.705	15.678	15.725	VV	14549	394500	33.28%	0.732%
309	15.751	15.725	15.786	VV	15206	537143	45.31%	0.996%
310	15.790	15.786	15.810	VV	14537	207384	17.49%	0.385%
311	15.829	15.810	15.837	VV	14293	225596	19.03%	0.418%
312	15.843	15.837	15.849	VV	14022	94676	7.99%	0.176%
313	15.855	15.849	15.861	VV	14277	105013	8.86%	0.195%
314	15.865	15.861	15.892	VV	13917	252746	21.32%	0.469%
315	15.897	15.892	15.927	VV	13809	284023	23.96%	0.527%
316	15.936	15.927	15.952	VV	13902	204359	17.24%	0.379%
317	15.968	15.952	16.022	VV	14249	581009	49.01%	1.077%
318	16.031	16.022	16.050	VV	13674	224223	18.92%	0.416%
319	16.061	16.050	16.067	VV	13043	129061	10.89%	0.239%
320	16.112	16.067	16.120	VV	13709	418176	35.28%	0.775%
321	16.132	16.120	16.137	VV	14068	143529	12.11%	0.266%
322	16.140	16.137	16.154	VV	13865	135314	11.41%	0.251%
323	16.158	16.154	16.174	VV	13453	156187	13.18%	0.290%
324	16.180	16.174	16.203	VV	13230	227403	19.18%	0.422%
325	16.228	16.203	16.232	VV	14050	232145	19.58%	0.430%
326	16.252	16.232	16.290	VV	15201	488611	41.22%	0.906%
327	16.311	16.290	16.358	VV	14043	537226	45.32%	0.996%
328	16.377	16.358	16.388	VV	12875	226953	19.15%	0.421%
329	16.411	16.388	16.453	VV	13477	497855	42.00%	0.923%
330	16.493	16.453	16.500	VV	12225	344422	29.05%	0.639%
331	16.507	16.500	16.514	VV	12269	96050	8.10%	0.178%
332	16.518	16.514	16.528	VV	12163	102411	8.64%	0.190%
333	16.551	16.528	16.567	VV	12666	284588	24.01%	0.528%
334	16.575	16.567	16.606	VV	12519	289621	24.43%	0.537%
335	16.642	16.606	16.666	VV	12918	442892	37.36%	0.821%
336	16.670	16.666	16.676	VV	12005	72794	6.14%	0.135%
337	16.682	16.676	16.685	VV	11821	63017	5.32%	0.117%
338	16.700	16.685	16.719	VV	12083	236843	19.98%	0.439%
339	16.730	16.719	16.749	VV	11912	211713	17.86%	0.393%
340	16.757	16.749	16.764	VV	12122	110730	9.34%	0.205%
341	16.784	16.764	16.806	VV	12109	288924	24.37%	0.536%
342	16.810	16.806	16.823	VV	10789	110987	9.36%	0.206%
343	16.841	16.823	16.853	VV	10873	188049	15.86%	0.349%
344	16.857	16.853	16.862	VV	10611	58477	4.93%	0.108%
345	16.888	16.862	16.903	VV	11915	278492	23.49%	0.516%
346	16.921	16.903	16.941	VV	12020	256139	21.61%	0.475%
347	16.945	16.941	16.977	VV	10872	225064	18.99%	0.417%
348	17.015	16.977	17.061	VV	10216	500503	42.22%	0.928%
349	17.084	17.061	17.096	VV	10213	205392	17.33%	0.381%
350	17.107	17.096	17.124	VV	10383	172087	14.52%	0.319%
351	17.137	17.124	17.180	VV	10701	331790	27.99%	0.615%

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352	17.211	17.180	17.235	VV	10617	320601	27.05%	0.595%
353	17.245	17.235	17.274	VV	9628	212171	17.90%	0.393%
354	17.284	17.274	17.298	VV	8807	128132	10.81%	0.238%
355	17.334	17.298	17.372	VV	9775	388930	32.81%	0.721%
356	17.384	17.372	17.400	VV	8126	133194	11.24%	0.247%
357	17.416	17.400	17.424	VV	7780	106358	8.97%	0.197%
358	17.451	17.424	17.494	VV	8215	320802	27.06%	0.595%
359	17.511	17.494	17.534	VV	7537	168837	14.24%	0.313%
360	17.560	17.534	17.600	VV	6869	261554	22.06%	0.485%
361	17.610	17.600	17.624	VV	6834	96626	8.15%	0.179%
362	17.629	17.624	17.652	VV	6574	108079	9.12%	0.200%
363	17.674	17.652	17.730	VV	6754	292557	24.68%	0.543%
364	17.771	17.730	17.800	VV	8731	276447	23.32%	0.513%
365	17.818	17.800	17.837	VV	5344	113638	9.59%	0.211%
366	17.841	17.837	17.845	VV	5126	23933	2.02%	0.044%
367	17.856	17.845	17.877	VV	5147	95172	8.03%	0.176%
368	17.882	17.877	17.886	VV	4720	23290	1.96%	0.043%
369	17.908	17.886	17.913	VV	5024	79680	6.72%	0.148%
370	17.929	17.913	17.944	VV	5481	94599	7.98%	0.175%
371	17.957	17.944	17.995	VV	5298	144040	12.15%	0.267%
372	17.999	17.995	18.014	VV	4053	43025	3.63%	0.080%
373	18.019	18.014	18.022	VV	3793	17612	1.49%	0.033%
374	18.028	18.022	18.038	VV	3998	37639	3.18%	0.070%
375	18.056	18.038	18.079	VV	4129	96455	8.14%	0.179%
376	18.092	18.079	18.107	VV	3988	64404	5.43%	0.119%
377	18.132	18.107	18.167	VV	5191	152738	12.88%	0.283%
378	18.190	18.167	18.220	VV	6949	143426	12.10%	0.266%
379	18.226	18.220	18.246	VV	2854	40147	3.39%	0.074%
380	18.290	18.246	18.317	VV	3344	109898	9.27%	0.204%
381	18.324	18.317	18.345	VV	2149	33313	2.81%	0.062%
382	18.359	18.345	18.364	VV	2035	21056	1.78%	0.039%
383	18.369	18.364	18.381	VV	1936	18092	1.53%	0.034%
384	18.401	18.381	18.434	VV	2237	60025	5.06%	0.111%
385	18.449	18.434	18.481	VV	1884	47257	3.99%	0.088%
386	18.490	18.481	18.515	VV	1676	27579	2.33%	0.051%
387	18.529	18.515	18.533	VV	1306	12764	1.08%	0.024%
388	18.541	18.533	18.559	VV	1352	19084	1.61%	0.035%
389	18.599	18.559	18.649	VV	4616	97159	8.20%	0.180%
390	18.662	18.649	18.682	VV	459	5260	0.44%	0.010%

Sum of corrected areas: 53927167

Aromatic EPH 071525.M Thu Jul 17 12:02:30 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
07/16/25 09:25	07/17/25 10:23	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	44.1		10	1.70	12.1	mg/kg FC069481.D
Aliphatic C12-C16	Aliphatic C12-C16	6.44		1	0.13	0.81	mg/kg FC069463.D
Aliphatic C16-C21	Aliphatic C16-C21	32.2		10	1.58	12.1	mg/kg FC069481.D
Aliphatic C21-C28	Aliphatic C21-C28	159		10	6.44	16.2	mg/kg FC069481.D
Aliphatic C28-C40	Aliphatic C28-C40	81.1		10	14.3	24.3	mg/kg FC069481.D
Aromatic C10-C12	Aromatic C10-C12	9.04		1	0.15	0.81	mg/kg FD049553.D
Aromatic C12-C16	Aromatic C12-C16	5.43		1	0.28	1.21	mg/kg FD049553.D
Aromatic C16-C21	Aromatic C16-C21	19.4		1	0.49	2.02	mg/kg FD049553.D
Aromatic C21-C36	Aromatic C21-C36	83.1		5	7.23	16.2	mg/kg FD049571.D
Total AliphaticEPH	Total AliphaticEPH	323			24.2	65.5	mg/kg
Total AromaticEPH	Total AromaticEPH	117			8.14	20.2	mg/kg
Total EPH	Total EPH	440			32.3	85.8	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FC069463.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	38.5	E	0.17	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.44		0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	41.6	E	0.16	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	185	E	0.64	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	105	E	1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05	Acq On:	16 Jul 2025 18:23
Client Sample ID:	STOCK-PILE	Operator:	YP/AJ
Data file:	FC069463.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	3.297	6.597	66074243	475.356	300	ug/ml
Aliphatic C12-C16	6.598	10.000	11459154	79.537	200	ug/ml
Aliphatic C16-C21	10.001	13.371	69907683	514.039	300	ug/ml
Aliphatic C21-C28	13.372	17.037	272883111	2290	400	ug/ml
Aliphatic C28-C40	17.038	22.012	116768937	1300	600	ug/ml
Aliphatic EPH	3.297	22.012	537093128	4660		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	4684410	41.45		ug/ml
Aliphatic C9-C28	3.297	17.037	420324191	3360	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069463.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 18:23
 Operator : YP/AJ
 Sample : Q2600-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 STOCK-PILE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 06:50:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.109	4684410	41.451 ug/mlm
Spiked Amount 50.000		Recovery =	82.90%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069463.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 18:23
Operator : YP/AJ
Sample : Q2600-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

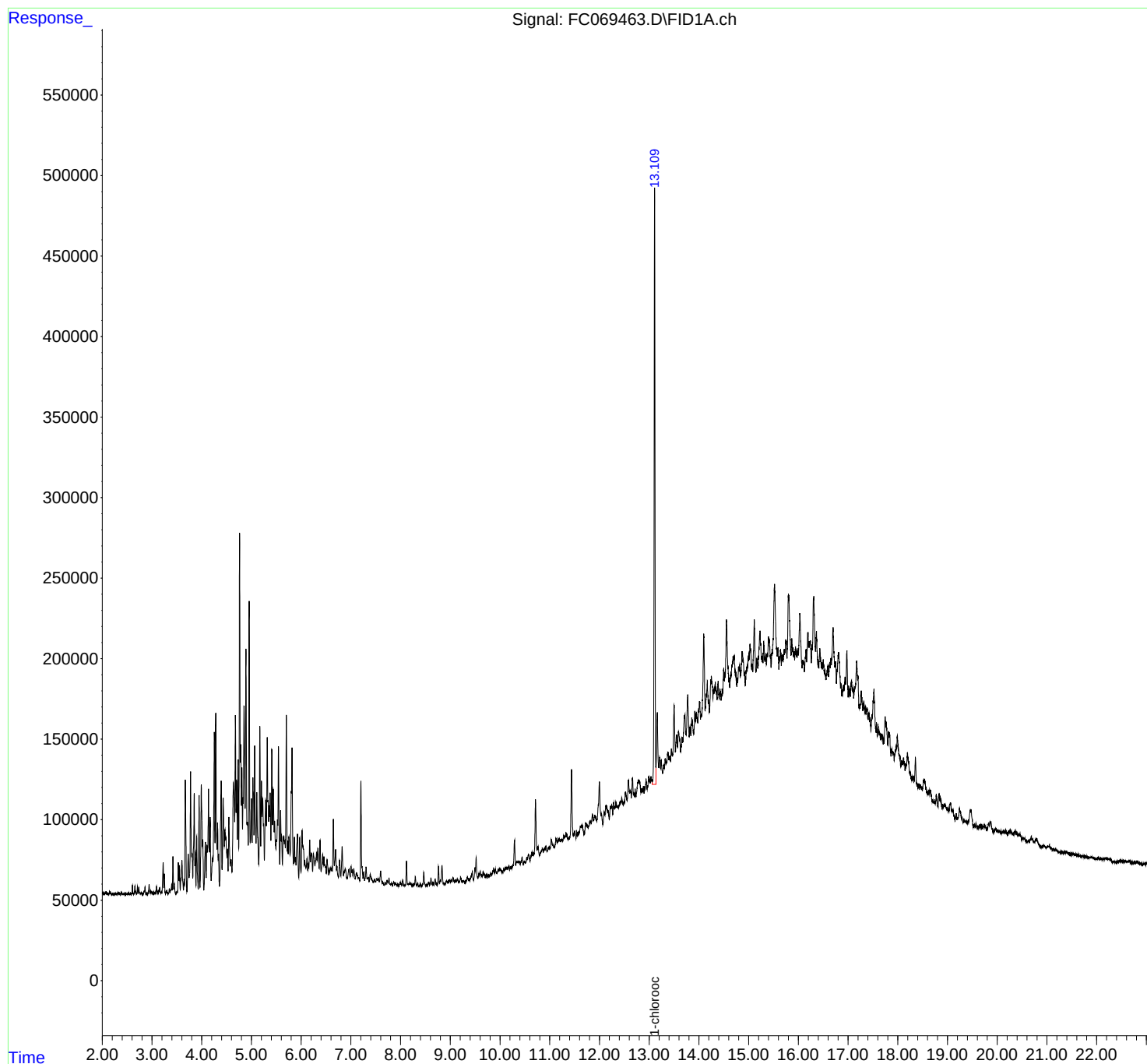
Instrument :
FID_C
ClientSampleId :
STOCK-PILE

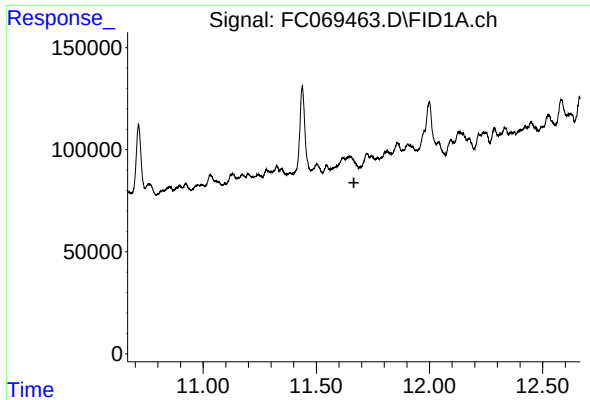
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 06:50:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





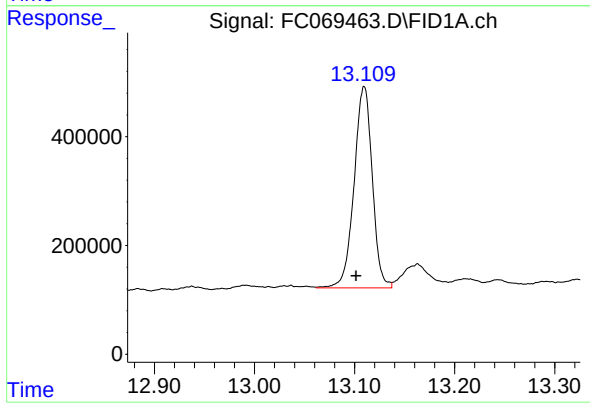
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
STOCK-PILE

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.109 min
Delta R.T.: 0.007 min
Response: 4684410
Conc: 41.45 ug/ml m

rteres

Instrument :

FID_C

ClientSampleId :

STOCK-PILE

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07162
Data File : FC069463.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 18:23
Sample : Q2600-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.225	3.204	3.239	PV	16744	163663	1.39%	0.030%
2	3.249	3.239	3.271	PV	9750	70737	0.60%	0.013%
3	3.297	3.271	3.328	PV	1453	18589	0.16%	0.003%
4	3.350	3.328	3.363	PV	3231	29671	0.25%	0.005%
5	3.397	3.363	3.406	VV	6126	83205	0.71%	0.015%
6	3.422	3.406	3.439	VV	23362	221607	1.88%	0.041%
7	3.449	3.439	3.483	VV	6255	68806	0.58%	0.013%
8	3.502	3.483	3.511	PV	1580	14153	0.12%	0.003%
9	3.531	3.511	3.542	VV	19340	190795	1.62%	0.035%
10	3.554	3.542	3.569	VV	17912	174199	1.48%	0.032%
11	3.603	3.569	3.634	VV	20746	401106	3.41%	0.074%
12	3.646	3.634	3.653	VV	9081	71609	0.61%	0.013%
13	3.671	3.653	3.703	VV	70222	899722	7.64%	0.165%
14	3.730	3.703	3.748	VV	24517	375897	3.19%	0.069%
15	3.777	3.748	3.821	VV	75169	1313126	11.15%	0.241%
16	3.850	3.821	3.885	VV	62724	1072200	9.11%	0.197%
17	3.900	3.885	3.930	VV	35127	435199	3.70%	0.080%
18	3.948	3.930	3.966	VV	60640	548113	4.66%	0.101%
19	3.993	3.966	4.044	VV	67259	1434327	12.18%	0.263%
20	4.074	4.044	4.090	VV	31591	494793	4.20%	0.091%
21	4.106	4.090	4.115	VV	29911	344320	2.92%	0.063%
22	4.137	4.115	4.156	VV	64291	969451	8.23%	0.178%
23	4.171	4.156	4.191	VV	47246	581733	4.94%	0.107%
24	4.254	4.191	4.268	VV	100159	1725801	14.66%	0.317%
25	4.282	4.268	4.307	VV	111212	1429065	12.14%	0.262%
26	4.319	4.307	4.357	VV	43368	710412	6.03%	0.130%
27	4.391	4.357	4.411	VV	69437	1083380	9.20%	0.199%
28	4.432	4.411	4.453	VV	58908	975789	8.29%	0.179%
29	4.468	4.453	4.507	VV	39004	1048100	8.90%	0.192%
30	4.517	4.507	4.530	VV	27121	303809	2.58%	0.056%
31	4.547	4.530	4.574	VV	46335	752912	6.40%	0.138%
32	4.591	4.574	4.608	VV	20418	358009	3.04%	0.066%
33	4.638	4.608	4.661	VV	67400	1477389	12.55%	0.271%
34	4.678	4.661	4.692	VV	109970	1332317	11.32%	0.244%
35	4.702	4.692	4.717	VV	69584	834303	7.09%	0.153%
36	4.731	4.717	4.744	VV	82314	891314	7.57%	0.164%

					riteres			
37	4.762	4.744	4.799	VV	222484	3461892	29.41%	0.635%
38	4.808	4.799	4.821	VV	77002	806581		
39	4.851	4.821	4.872	VV	115246	2287273	19.61%	0.635%
40	4.890	4.872	4.934	VV	150761	2678712	22.24%	0.635%
41	4.954	4.934	4.978	VV	180306	2195850	18.61%	0.635%
42	4.999	4.978	5.013	VV	57757	904214	7.71%	0.635%
43	5.030	5.013	5.051	VV	69505	1232357	10.47%	0.226%
44	5.065	5.051	5.092	VV	90640	1338983	11.37%	0.246%
45	5.108	5.092	5.146	VV	61488	1199211	10.19%	0.220%
46	5.169	5.146	5.187	VV	102314	1371499	11.65%	0.252%
47	5.202	5.187	5.214	VV	68496	843096	7.16%	0.155%
48	5.226	5.214	5.260	VV	57559	1225015	10.41%	0.225%
49	5.286	5.260	5.300	VV	56734	1014741	8.62%	0.186%
50	5.318	5.300	5.347	VV	95544	1783629	15.15%	0.327%
51	5.376	5.347	5.391	VV	60846	1299971	11.04%	0.239%
52	5.410	5.391	5.425	VV	88130	1188170	10.09%	0.218%
53	5.439	5.425	5.458	VV	63270	1020233	8.67%	0.187%
54	5.467	5.458	5.491	VV	43179	700390	5.95%	0.129%
55	5.544	5.491	5.569	VV	89894	2000421	16.99%	0.367%
56	5.586	5.569	5.623	VV	49788	1040752	8.84%	0.191%
57	5.652	5.623	5.681	VV	34053	1031294	8.76%	0.189%
58	5.702	5.681	5.741	VV	108964	1765719	15.00%	0.324%
59	5.755	5.741	5.778	VV	33390	623692	5.30%	0.114%
60	5.817	5.778	5.847	VV	89170	1881908	15.99%	0.345%
61	5.864	5.847	5.879	VV	33243	470100	3.99%	0.086%
62	5.886	5.879	5.897	VV	20668	197021	1.67%	0.036%
63	5.926	5.897	5.951	VV	34953	759552	6.45%	0.139%
64	5.972	5.951	5.997	VV	32786	533684	4.53%	0.098%
65	6.019	5.997	6.065	VV	36623	1001495	8.51%	0.184%
66	6.074	6.065	6.093	VV	18327	278029	2.36%	0.051%
67	6.117	6.093	6.132	VV	19539	373312	3.17%	0.068%
68	6.144	6.132	6.154	VV	16361	190636	1.62%	0.035%
69	6.173	6.154	6.189	VV	31058	463659	3.94%	0.085%
70	6.210	6.189	6.231	VV	22561	489849	4.16%	0.090%
71	6.249	6.231	6.277	VV	22446	500702	4.25%	0.092%
72	6.312	6.277	6.324	VV	23301	541959	4.60%	0.099%
73	6.338	6.324	6.362	VV	25547	469433	3.99%	0.086%
74	6.381	6.362	6.402	VV	30924	485326	4.12%	0.089%
75	6.433	6.402	6.448	VV	21825	462618	3.93%	0.085%
76	6.460	6.448	6.506	VV	20376	533490	4.53%	0.098%
77	6.522	6.506	6.549	VV	18623	360828	3.06%	0.066%
78	6.563	6.549	6.577	VV	13131	192550	1.64%	0.035%
79	6.594	6.577	6.605	VV	13355	209176	1.78%	0.038%
80	6.616	6.605	6.626	VV	13379	157330	1.34%	0.029%
81	6.649	6.626	6.669	VV	43610	635244	5.40%	0.117%
82	6.693	6.669	6.712	VV	24799	480232	4.08%	0.088%
83	6.720	6.712	6.750	VV	14275	242078	2.06%	0.044%
84	6.773	6.750	6.798	VV	17860	359233	3.05%	0.066%
85	6.825	6.798	6.852	VV	26292	501783	4.26%	0.092%
86	6.890	6.852	6.923	VV	12623	424846	3.61%	0.078%
87	6.961	6.923	6.986	VV	11808	341371	2.90%	0.063%
88	7.004	6.986	7.018	VV	13868	210320	1.79%	0.039%
89	7.028	7.018	7.043	VV	11786	152437	1.29%	0.028%

Instrument :

FID_C

ClientSampleId :

STOCK-PILE

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

90	7.060	7.043	7.090	VV	12180	262866	2.23%	0.048%
91	7.112	7.090	7.149	VV	9812	282109		
92	7.158	7.149	7.178	VV	6727	106527		
93	7.203	7.178	7.245	VV	66660	905470		
94	7.260	7.245	7.276	VV	10303	141905		
95	7.307	7.276	7.328	VV	13258	254733		
96	7.350	7.328	7.368	VV	6384	139772	1.19%	0.026%
97	7.390	7.368	7.456	VV	8673	302969	2.57%	0.056%
98	7.477	7.456	7.500	VV	5278	113018	0.96%	0.021%
99	7.518	7.500	7.531	VV	5948	94561	0.80%	0.017%
100	7.544	7.531	7.574	VV	5546	125834	1.07%	0.023%
101	7.599	7.574	7.631	VV	10505	208194	1.77%	0.038%
102	7.640	7.631	7.670	VV	3260	60519	0.51%	0.011%
103	7.688	7.670	7.704	VV	3431	51774	0.44%	0.009%
104	7.729	7.704	7.750	VV	4534	96275	0.82%	0.018%
105	7.767	7.750	7.802	VV	5971	104411	0.89%	0.019%
106	7.817	7.802	7.838	VV	2277	42029	0.36%	0.008%
107	7.862	7.838	7.888	VV	3350	74414	0.63%	0.014%
108	7.903	7.888	7.925	VV	2491	41467	0.35%	0.008%
109	7.945	7.925	7.965	VV	1874	32027	0.27%	0.006%
110	7.996	7.965	8.019	VV	2833	65101	0.55%	0.012%
111	8.043	8.019	8.071	VV	4553	75652	0.64%	0.014%
112	8.119	8.071	8.161	VV	16072	218570	1.86%	0.040%
113	8.177	8.161	8.194	VV	2490	38848	0.33%	0.007%
114	8.207	8.194	8.231	VV	2321	34062	0.29%	0.006%
115	8.297	8.231	8.326	VV	6263	114823	0.98%	0.021%
116	8.345	8.326	8.365	VV	2416	29105	0.25%	0.005%
117	8.391	8.365	8.431	PV	1584	32538	0.28%	0.006%
118	8.466	8.431	8.505	VV	8778	132222	1.12%	0.024%
119	8.519	8.505	8.532	VV	757	9503	0.08%	0.002%
120	8.565	8.532	8.591	VV	2022	47968	0.41%	0.009%
121	8.611	8.591	8.635	VV	5076	68681	0.58%	0.013%
122	8.656	8.635	8.671	VV	2404	34271	0.29%	0.006%
123	8.695	8.671	8.738	VV	4383	82473	0.70%	0.015%
124	8.762	8.738	8.784	VV	12148	148456	1.26%	0.027%
125	8.802	8.784	8.810	VV	3825	44953	0.38%	0.008%
126	8.832	8.810	8.891	VV	12662	218002	1.85%	0.040%
127	8.929	8.891	8.946	VV	2915	66208	0.56%	0.012%
128	8.983	8.946	9.000	VV	3673	86355	0.73%	0.016%
129	9.024	9.000	9.034	VV	3163	59028	0.50%	0.011%
130	9.054	9.034	9.082	VV	5058	107189	0.91%	0.020%
131	9.106	9.082	9.124	VV	2937	69375	0.59%	0.013%
132	9.141	9.124	9.177	VV	4090	89265	0.76%	0.016%
133	9.208	9.177	9.236	VV	4607	110511	0.94%	0.020%
134	9.258	9.236	9.293	VV	2629	75245	0.64%	0.014%
135	9.344	9.293	9.390	VV	4640	184307	1.57%	0.034%
136	9.440	9.390	9.465	VV	7655	221505	1.88%	0.041%
137	9.495	9.465	9.504	VV	10591	158558	1.35%	0.029%
138	9.520	9.504	9.554	VV	16701	274579	2.33%	0.050%
139	9.575	9.554	9.585	VV	6681	100788	0.86%	0.018%
140	9.601	9.585	9.643	VV	7689	214068	1.82%	0.039%
141	9.660	9.643	9.708	VV	8032	240745	2.04%	0.044%

Instrument :

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ClientSampleId :

STOCK-PILE

2.23% 0.048%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

					rters			
142	9.725	9.708	9.734	VV	5472	81689	0.69%	0.015%
143	9.743	9.734	9.761	VV	5531	83604		
144	9.817	9.761	9.838	VV	6504	257879		
145	9.868	9.838	9.889	VV	8642	232685		
146	9.904	9.889	9.928	VV	9406	186847		
147	9.963	9.928	9.975	VV	8879	217748		
148	10.007	9.975	10.055	VV	9150	392170	3.33%	0.072%
149	10.074	10.055	10.088	VV	9014	162310	1.38%	0.030%
150	10.120	10.088	10.158	VV	9599	384680	3.27%	0.071%
151	10.179	10.158	10.196	VV	10964	228430	1.94%	0.042%
152	10.219	10.196	10.238	VV	10201	243441	2.07%	0.045%
153	10.292	10.238	10.317	VV	26349	718187	6.10%	0.132%
154	10.335	10.317	10.361	VV	13271	338498	2.88%	0.062%
155	10.374	10.361	10.405	VV	13550	345062	2.93%	0.063%
156	10.443	10.405	10.468	VV	15784	500054	4.25%	0.092%
157	10.489	10.468	10.514	VV	13342	354864	3.01%	0.065%
158	10.539	10.514	10.551	VV	15678	317087	2.69%	0.058%
159	10.573	10.551	10.602	VV	17651	488901	4.15%	0.090%
160	10.642	10.602	10.658	VV	18696	556723	4.73%	0.102%
161	10.672	10.658	10.681	VV	18132	245194	2.08%	0.045%
162	10.715	10.681	10.744	VV	51329	1148122	9.75%	0.211%
163	10.761	10.744	10.793	VV	22057	591768	5.03%	0.109%
164	10.852	10.793	10.871	VV	20773	893314	7.59%	0.164%
165	10.896	10.871	10.909	VV	20999	457842	3.89%	0.084%
166	10.923	10.909	10.947	VV	22297	474744	4.03%	0.087%
167	10.996	10.947	11.008	VV	21447	751540	6.38%	0.138%
168	11.032	11.008	11.084	VV	26306	1072161	9.11%	0.197%
169	11.131	11.084	11.148	VV	26758	921267	7.83%	0.169%
170	11.173	11.148	11.187	VV	26430	591043	5.02%	0.108%
171	11.199	11.187	11.215	VV	26536	436263	3.71%	0.080%
172	11.242	11.215	11.264	VV	26130	754158	6.41%	0.138%
173	11.281	11.264	11.303	VV	28757	637308	5.41%	0.117%
174	11.326	11.303	11.338	VV	30342	604513	5.13%	0.111%
175	11.347	11.338	11.368	VV	28978	492422	4.18%	0.090%
176	11.384	11.368	11.397	VV	26789	461789	3.92%	0.085%
177	11.438	11.397	11.478	VV	69017	1948274	16.55%	0.357%
178	11.503	11.478	11.528	VV	31093	870230	7.39%	0.160%
179	11.545	11.528	11.561	VV	30440	587668	4.99%	0.108%
180	11.618	11.561	11.628	VV	33854	1226212	10.42%	0.225%
181	11.648	11.628	11.698	VV	34850	1357868	11.53%	0.249%
182	11.724	11.698	11.761	VV	35648	1280035	10.87%	0.235%
183	11.771	11.761	11.779	VV	33786	355625	3.02%	0.065%
184	11.813	11.779	11.834	VV	36827	1171686	9.95%	0.215%
185	11.858	11.834	11.878	VV	41207	1018971	8.66%	0.187%
186	11.905	11.878	11.943	VV	40431	1516888	12.88%	0.278%
187	11.999	11.943	12.070	VV	60866	3351180	28.47%	0.615%
188	12.095	12.070	12.108	VV	42323	914726	7.77%	0.168%
189	12.133	12.108	12.168	VV	46331	1572731	13.36%	0.289%
190	12.174	12.168	12.197	VV	42952	709999	6.03%	0.130%
191	12.219	12.197	12.227	VV	45055	759086	6.45%	0.139%
192	12.244	12.227	12.267	VV	45743	1076950	9.15%	0.198%
193	12.287	12.267	12.304	VV	47909	1001380	8.51%	0.184%
194	12.333	12.304	12.365	VV	48270	1680748	14.28%	0.308%

Instrument :

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Manual IntegrationsAPPROVED

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195	12.373	12.365	12.382	VV	45787	448062	3.81%	0.082%
196	12.449	12.382	12.481	VV	50805	2828824	24.36%	0.196%
197	12.525	12.481	12.555	VV	54055	2230490	18.87%	0.408%
198	12.582	12.555	12.606	VV	61521	1717343	14.25%	0.308%
199	12.623	12.606	12.641	VV	54653	1123744	9.47%	0.205%
200	12.665	12.641	12.702	VV	62243	2009693	17.69%	0.382%
201	12.719	12.702	12.735	VV	55826	1066703	9.06%	0.196%
202	12.781	12.735	12.835	VV	60951	3456545	29.36%	0.634%
203	12.848	12.835	12.863	VV	55607	935895	7.95%	0.172%
204	12.884	12.863	12.897	VV	57120	1115447	9.47%	0.205%
205	12.937	12.897	12.958	VV	61581	2082508	17.69%	0.382%
206	12.991	12.958	13.020	VV	63279	2221350	18.87%	0.408%
207	13.034	13.020	13.045	VV	61980	947052	8.04%	0.174%
208	13.051	13.045	13.062	VV	61366	603108	5.12%	0.111%
209	13.109	13.062	13.137	VV	431646	7293435	61.95%	1.338%
210	13.162	13.137	13.193	VV	100834	2831499	24.05%	0.520%
211	13.212	13.193	13.230	VV	74966	1580820	13.43%	0.290%
212	13.243	13.230	13.271	VV	73168	1677164	14.25%	0.308%
213	13.291	13.271	13.308	VV	69882	1521552	12.92%	0.279%
214	13.323	13.308	13.344	VV	73750	1545772	13.13%	0.284%
215	13.377	13.344	13.393	VV	77960	2223586	18.89%	0.408%
216	13.403	13.393	13.412	VV	74460	819511	6.96%	0.150%
217	13.417	13.412	13.429	VV	75113	785189	6.67%	0.144%
218	13.448	13.429	13.469	VV	79944	1846097	15.68%	0.339%
219	13.502	13.469	13.528	VV	107232	3159702	26.84%	0.580%
220	13.551	13.528	13.574	VV	88037	2318244	19.69%	0.425%
221	13.591	13.574	13.633	VV	90447	3036443	25.79%	0.557%
222	13.660	13.633	13.680	VV	86225	2323873	19.74%	0.426%
223	13.718	13.680	13.743	VV	100773	3553518	30.18%	0.652%
224	13.775	13.743	13.807	VV	112056	3772839	32.05%	0.692%
225	13.821	13.807	13.836	VV	92734	1614038	13.71%	0.296%
226	13.859	13.836	13.898	VV	98460	3431611	29.15%	0.630%
227	13.918	13.898	13.933	VV	102627	2057972	17.48%	0.378%
228	13.950	13.933	13.977	VV	101597	2632037	22.36%	0.483%
229	14.013	13.977	14.034	VV	108456	3532292	30.00%	0.648%
230	14.098	14.034	14.126	VV	149764	6397659	54.34%	1.174%
231	14.169	14.126	14.212	VV	120730	5729414	48.67%	1.051%
232	14.251	14.212	14.283	VV	123976	4893194	41.56%	0.898%
233	14.330	14.283	14.365	VV	119554	5669536	48.16%	1.040%
234	14.386	14.365	14.409	VV	120721	3083260	26.19%	0.566%
235	14.423	14.409	14.449	VV	115805	2706110	22.99%	0.497%
236	14.468	14.449	14.476	VV	115589	1813516	15.40%	0.333%
237	14.499	14.476	14.513	VV	128845	2730219	23.19%	0.501%
238	14.556	14.513	14.619	VV	158498	8413275	71.46%	1.544%
239	14.710	14.619	14.763	VV	136408	11009157	93.51%	2.020%
240	14.799	14.763	14.834	VV	129059	5373113	45.64%	0.986%
241	14.868	14.834	14.934	VV	138179	7749300	65.82%	1.422%
242	15.029	14.934	15.083	VV	142965	11772937	100.00%	2.160%
243	15.114	15.083	15.148	VV	157905	5396278	45.84%	0.990%
244	15.165	15.148	15.184	VV	133807	2871257	24.39%	0.527%
245	15.230	15.184	15.270	VV	151727	7119752	60.48%	1.306%
246	15.284	15.270	15.290	VV	136101	1670847	14.19%	0.307%

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				rters				
247	15.305	15.290	15.328	VV	143775	3081688	26.18%	0.565%
248	15.346	15.328	15.357	VV	136393	2389502	26.18%	0.565%
249	15.411	15.357	15.451	VV	146059	7797032	26.18%	0.565%
250	15.521	15.451	15.575	VV	179042	11136146	26.18%	0.565%
251	15.589	15.575	15.608	VV	139873	2715162	26.18%	0.565%
252	15.641	15.608	15.658	VV	138618	3977675	26.18%	0.565%
253	15.726	15.658	15.731	VV	139142	5940381	50.46%	1.090%
254	15.748	15.731	15.770	VV	144940	3318634	28.19%	0.609%
255	15.802	15.770	15.858	VV	173181	8003891	67.99%	1.469%
256	15.869	15.858	15.909	VV	144995	4314534	36.65%	0.792%
257	15.918	15.909	15.926	VV	137658	1392207	11.83%	0.255%
258	15.942	15.926	15.976	VV	139136	4082696	34.68%	0.749%
259	15.989	15.976	16.001	VV	138332	2038782	17.32%	0.374%
260	16.031	16.001	16.076	VV	160802	6455769	54.84%	1.185%
261	16.096	16.076	16.128	VV	131815	4046671	34.37%	0.743%
262	16.154	16.128	16.167	VV	137962	3190317	27.10%	0.585%
263	16.190	16.167	16.204	VV	147497	3156234	26.81%	0.579%
264	16.215	16.204	16.238	VV	143118	2843708	24.15%	0.522%
265	16.241	16.238	16.261	VV	142530	1949549	16.56%	0.358%
266	16.308	16.261	16.345	VV	169856	7549407	64.13%	1.385%
267	16.364	16.345	16.410	VV	149545	5367785	45.59%	0.985%
268	16.434	16.410	16.484	VV	138648	5821023	49.44%	1.068%
269	16.499	16.484	16.556	VV	130915	5408644	45.94%	0.992%
270	16.592	16.556	16.611	VV	127054	4080387	34.66%	0.749%
271	16.697	16.611	16.744	VV	149691	10674709	90.67%	1.959%
272	16.751	16.744	16.766	VV	130434	1631146	13.86%	0.299%
273	16.806	16.766	16.888	VV	135029	8944693	75.98%	1.641%
274	16.939	16.888	16.952	VV	119899	4467077	37.94%	0.820%
275	16.976	16.952	17.001	VV	137605	3617464	30.73%	0.664%
276	17.011	17.001	17.031	VV	113731	1984422	16.86%	0.364%
277	17.038	17.031	17.048	VV	113277	1103342	9.37%	0.202%
278	17.071	17.048	17.114	VV	118047	4550003	38.65%	0.835%
279	17.174	17.114	17.221	VV	129896	7446027	63.25%	1.366%
280	17.265	17.221	17.298	VV	111164	4839227	41.10%	0.888%
281	17.317	17.298	17.335	VV	105313	2302740	19.56%	0.423%
282	17.349	17.335	17.362	VV	101728	1586743	13.48%	0.291%
283	17.382	17.362	17.404	VV	100680	2504722	21.28%	0.460%
284	17.423	17.404	17.460	VV	97880	3147886	26.74%	0.578%
285	17.520	17.460	17.560	VV	112822	5876578	49.92%	1.078%
286	17.572	17.560	17.591	VV	91001	1629209	13.84%	0.299%
287	17.603	17.591	17.653	VV	90117	3185260	27.06%	0.584%
288	17.672	17.653	17.721	VV	83902	3340163	28.37%	0.613%
289	17.746	17.721	17.801	VV	94549	4169780	35.42%	0.765%
290	17.815	17.801	17.863	VV	85729	2981466	25.32%	0.547%
291	17.877	17.863	17.901	VV	74649	1677532	14.25%	0.308%
292	17.913	17.901	17.928	VV	72903	1162104	9.87%	0.213%
293	17.991	17.928	18.061	VV	83307	5861793	49.79%	1.076%
294	18.084	18.061	18.094	VV	66757	1316087	11.18%	0.241%
295	18.114	18.094	18.148	VV	68795	2116609	17.98%	0.388%
296	18.194	18.148	18.288	VV	72196	5282698	44.87%	0.969%
297	18.301	18.288	18.330	VV	57342	1422337	12.08%	0.261%
298	18.355	18.330	18.409	VV	68866	2692145	22.87%	0.494%
299	18.423	18.409	18.433	VV	52867	763407	6.48%	0.140%

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						Instrument : FID_C		
						ClientSampleId : STOCK-PILE		
rteres								
300	18.457	18.433	18.496	VV	51725	1876131	15.94%	0.344%
						Manual IntegrationsAPPROVED		
301	18.531	18.496	18.601	VV	55477	3222073	27.62%	0.165%
302	18.618	18.601	18.651	VV	47592	1427202	12.42%	0.199%
303	18.660	18.651	18.731	VV	48618	2077011	17.44%	0.532%
304	18.745	18.731	18.758	VV	42246	656633	5.77%	0.060%
305	18.776	18.758	18.811	VV	45649	1334440	11.33%	0.245%
306	18.830	18.811	18.845	VV	45464	896723	7.62%	0.165%
307	18.853	18.845	18.890	VV	43500	1085918	9.22%	0.199%
308	18.937	18.890	19.018	VV	39631	2897340	24.61%	0.532%
309	19.024	19.018	19.033	VV	37217	326515	2.77%	0.060%
310	19.063	19.033	19.092	VV	40165	1333452	11.33%	0.245%
311	19.102	19.092	19.150	VV	35712	1159188	9.85%	0.213%
312	19.174	19.150	19.208	VV	33285	1079296	9.17%	0.198%
313	19.241	19.208	19.314	VV	36241	2052958	17.44%	0.377%
314	19.337	19.314	19.362	VV	29264	816924	6.94%	0.150%
315	19.371	19.362	19.405	VV	28423	713131	6.06%	0.131%
316	19.474	19.405	19.522	VV	35305	2131394	18.10%	0.391%
317	19.551	19.522	19.562	VV	26225	608743	5.17%	0.112%
318	19.577	19.562	19.604	VV	26757	643243	5.46%	0.118%
319	19.644	19.604	19.663	VV	26167	877031	7.45%	0.161%
320	19.676	19.663	19.688	VV	26186	370292	3.15%	0.068%
321	19.697	19.688	19.712	VV	24825	359684	3.06%	0.066%
322	19.736	19.712	19.807	VV	25456	1374927	11.68%	0.252%
323	19.826	19.807	19.844	VV	26823	574177	4.88%	0.105%
324	19.866	19.844	19.918	VV	27658	1092641	9.28%	0.200%
325	19.931	19.918	19.941	VV	22229	295911	2.51%	0.054%
326	19.970	19.941	20.029	VV	23181	1173100	9.96%	0.215%
327	20.039	20.029	20.060	VV	22054	403014	3.42%	0.074%
328	20.073	20.060	20.100	VV	21444	497932	4.23%	0.091%
329	20.121	20.100	20.131	VV	21230	391491	3.33%	0.072%
330	20.142	20.131	20.158	VV	21434	328085	2.79%	0.060%
331	20.176	20.158	20.211	VV	21870	650118	5.52%	0.119%
332	20.234	20.211	20.250	VV	21229	477908	4.06%	0.088%
333	20.266	20.250	20.328	VV	21125	957194	8.13%	0.176%
334	20.361	20.328	20.378	VV	21797	604056	5.13%	0.111%
335	20.390	20.378	20.424	VV	20573	544002	4.62%	0.100%
336	20.438	20.424	20.501	VV	19093	829350	7.04%	0.152%
337	20.515	20.501	20.639	VV	16743	1276911	10.85%	0.234%
338	20.683	20.639	20.747	VV	17338	987973	8.39%	0.181%
339	20.782	20.747	20.884	VV	16012	1109614	9.43%	0.204%
340	20.941	20.884	20.981	VV	11551	639375	5.43%	0.117%
341	21.015	20.981	21.037	VV	11071	357362	3.04%	0.066%
342	21.050	21.037	21.078	VV	11204	260254	2.21%	0.048%
343	21.089	21.078	21.107	VV	10141	161286	1.37%	0.030%
344	21.131	21.107	21.153	VV	9864	251628	2.14%	0.046%
345	21.168	21.153	21.267	VV	8934	533737	4.53%	0.098%
346	21.277	21.267	21.291	VV	7125	103214	0.88%	0.019%
347	21.306	21.291	21.318	VV	7246	111558	0.95%	0.020%
348	21.329	21.318	21.340	VV	7260	92840	0.79%	0.017%
349	21.402	21.340	21.466	VV	7537	489224	4.16%	0.090%
350	21.504	21.466	21.574	VV	6132	363261	3.09%	0.067%
351	21.590	21.574	21.604	VV	5257	91941	0.78%	0.017%

Areas						Clients Sampled : 1000			
Areas						STOCK-PILE			
352	21.630	21.604	21.661	VV	5316	160877	1.37%	0.030%	
353	21.670	21.661	21.711	VV	4688	126552	1.03%	0.027%	
354	21.726	21.711	21.748	VV	4384	89103	0.72%	0.019%	
355	21.768	21.748	21.798	VV	3996	115754	0.63%	0.016%	
356	21.811	21.798	21.829	VV	3849	66198	0.57%	0.014%	
357	21.838	21.829	21.852	VV	3463	45591	0.53%	0.011%	
358	21.884	21.852	21.893	VV	3243	76771	0.65%	0.014%	
359	21.906	21.893	21.995	VV	3279	160827	1.37%	0.030%	
360	22.033	21.995	22.063	VV	2627	96601	0.82%	0.018%	
361	22.084	22.063	22.128	VV	2349	78607	0.67%	0.014%	
362	22.182	22.128	22.331	VV	2421	200000	1.70%	0.037%	
Sum of corrected areas:						544996168			

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FD049553.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.04		0.15	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.43		0.28	1.21	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.4		0.49	2.02	mg/kg
Aromatic C21-C36	Aromatic C21-C36	74.6	E	1.45	3.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.1		40 - 140	74%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	73%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-05	Acq On:	16 Jul 2025 18:23
Client Sample ID:	STOCK-PILE	Operator:	YP/AJ
Data file:	FD049553.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.425	6.169	15380290	111.634	200	ug/ml
Aromatic C12-C16	6.170	8.797	10470914	66.989	300	ug/ml
Aromatic C16-C21	8.798	13.086	38723804	240.098	500	ug/ml
Aromatic C21-C36	13.087	18.506	128972341	921.081	800	ug/ml
Aromatic EPH	4.425	18.506	193547349	1340		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	5959342	36.34		ug/ml
2-Bromonaphthalene (SURR)	7.735	7.735	4848617	37.06		ug/ml
2-Fluorobiphenyl (SURR)	8.600	8.600	3306246	35.68		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049553.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 18:23
 Operator : YP/AJ
 Sample : Q2600-05
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 STOCK-PILE

Integration File: sample.E
 Quant Time: Jul 17 07:16:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.735	4848617	37.059 ug/ml
Spiked Amount 50.000		Recovery =	74.12%
6) S 2-Fluorobiphenyl (SURR)	8.600	3306246	35.680 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	71.36%
11) S ortho-Terphenyl (SURR)	11.646	5959342	36.345 ug/ml
Spiked Amount 50.000		Recovery =	72.69%

Target Compounds

(f)=RT Delta > 1/2 Window

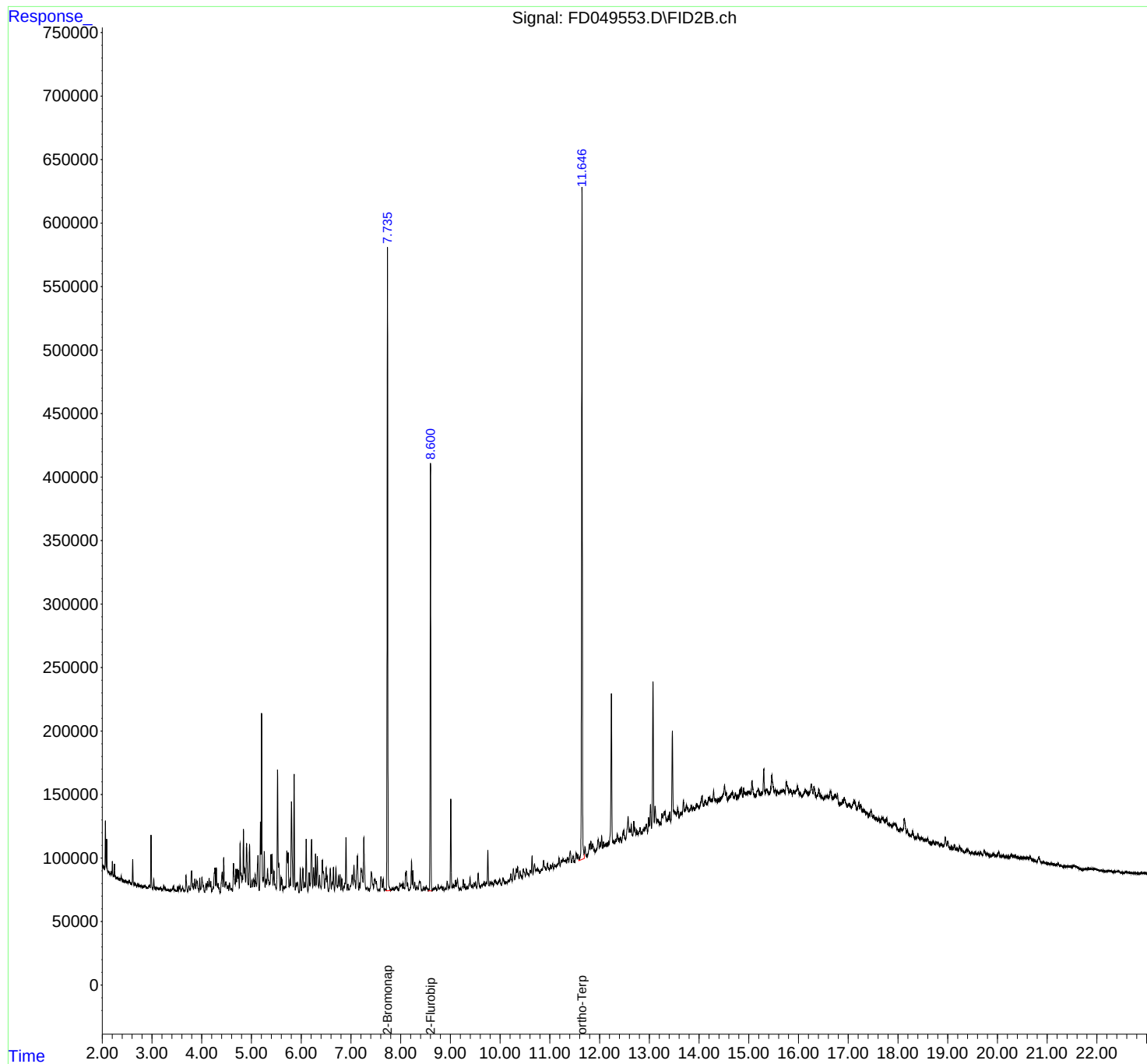
(m)=manual int.

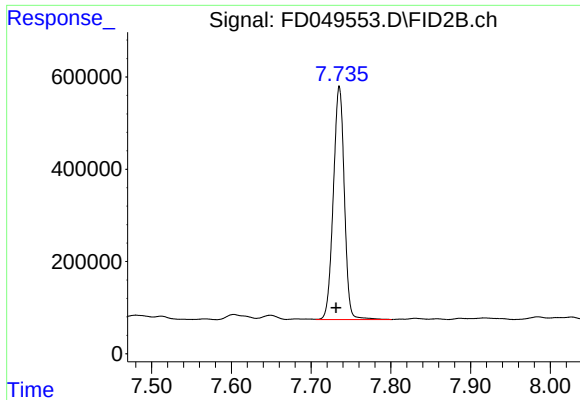
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049553.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 18:23
Operator : YP/AJ
Sample : Q2600-05
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
STOCK-PILE

Integration File: sample.E
Quant Time: Jul 17 07:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

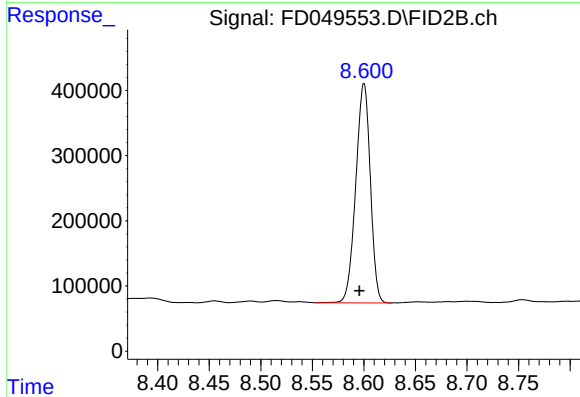




#4 2-Bromonaphthalene (SURR)

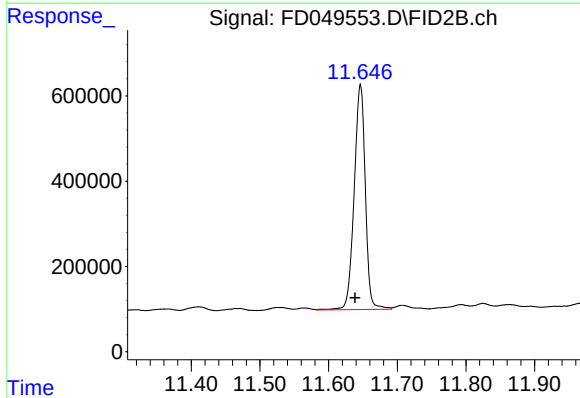
R.T.: 7.735 min
Delta R.T.: 0.004 min
Response: 4848617
Conc: 37.06 ug/ml

Instrument :
FID_D
ClientSampleId :
STOCK-PILE



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.600 min
Delta R.T.: 0.005 min
Response: 3306246
Conc: 35.68 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: 0.008 min
Response: 5959342
Conc: 36.34 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049553.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 18:23
 Sample : Q2600-05
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.266	4.252	4.279	BV	9252	65744	0.97%	0.031%
2	4.294	4.279	4.319	PV	15076	145986	2.16%	0.070%
3	4.331	4.319	4.344	VV	5128	46982	0.70%	0.022%
4	4.350	4.344	4.367	VV	2817	19400	0.29%	0.009%
5	4.412	4.367	4.427	PV	16173	279338	4.14%	0.134%
6	4.442	4.427	4.465	VV	27761	309118	4.58%	0.148%
7	4.485	4.465	4.518	VV	8512	185433	2.75%	0.089%
8	4.529	4.518	4.544	VV	5557	58716	0.87%	0.028%
9	4.558	4.544	4.584	VV	7931	113623	1.68%	0.054%
10	4.601	4.584	4.618	VV	3058	48242	0.72%	0.023%
11	4.639	4.618	4.673	VV	23142	387722	5.75%	0.185%
12	4.688	4.673	4.701	VV	18728	209094	3.10%	0.100%
13	4.719	4.701	4.731	VV	18392	257754	3.82%	0.123%
14	4.740	4.731	4.755	VV	17432	169236	2.51%	0.081%
15	4.772	4.755	4.786	VV	38645	401941	5.96%	0.192%
16	4.793	4.786	4.807	VV	15346	161641	2.40%	0.077%
17	4.818	4.807	4.825	VV	13504	119032	1.76%	0.057%
18	4.839	4.825	4.853	VV	49839	489446	7.26%	0.234%
19	4.860	4.853	4.882	VV	19561	258095	3.83%	0.123%
20	4.902	4.882	4.938	VV	38807	651904	9.66%	0.312%
21	4.961	4.938	4.983	VV	38231	505117	7.49%	0.242%
22	5.008	4.983	5.023	VV	9624	156990	2.33%	0.075%
23	5.039	5.023	5.061	VV	10921	185987	2.76%	0.089%
24	5.074	5.061	5.103	VV	14494	215248	3.19%	0.103%
25	5.130	5.103	5.156	VV	29410	456199	6.76%	0.218%
26	5.181	5.156	5.190	VV	55923	532485	7.89%	0.255%
27	5.203	5.190	5.226	VV	141463	1390768	20.62%	0.665%
28	5.236	5.226	5.244	VV	11888	120006	1.78%	0.057%
29	5.258	5.244	5.274	VV	32649	322402	4.78%	0.154%
30	5.292	5.274	5.306	VV	10795	155336	2.30%	0.074%
31	5.324	5.306	5.355	VV	18806	347187	5.15%	0.166%
32	5.364	5.355	5.372	VV	8013	74819	1.11%	0.036%
33	5.392	5.372	5.403	VV	30182	343587	5.09%	0.164%
34	5.415	5.403	5.433	VV	30352	341837	5.07%	0.164%
35	5.453	5.433	5.500	VV	17038	335762	4.98%	0.161%
36	5.525	5.500	5.542	VV	96671	1035994	15.36%	0.496%

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37	5.549	5.542	5.577	VV	23176	273132	4.05%	0.131%
38	5.594	5.577	5.604	VV	12441	129508	1.92%	0.062%
39	5.614	5.604	5.631	VV	10586	107014	1.59%	0.051%
40	5.656	5.631	5.669	VV	4560	86690	1.29%	0.041%
41	5.681	5.669	5.690	VV	5053	57070	0.85%	0.027%
42	5.712	5.690	5.729	VV	33005	488268	7.24%	0.234%
43	5.737	5.729	5.756	VV	31724	314714	4.67%	0.151%
44	5.773	5.756	5.783	VV	10411	121113	1.80%	0.058%
45	5.805	5.783	5.840	VV	71915	1084230	16.07%	0.519%
46	5.858	5.840	5.882	VV	92975	885342	13.12%	0.423%
47	5.898	5.882	5.909	VV	8119	90036	1.33%	0.043%
48	5.925	5.909	5.956	VV	7669	136959	2.03%	0.066%
49	5.983	5.956	6.002	PV	19150	205181	3.04%	0.098%
50	6.035	6.002	6.055	VV	19358	289704	4.29%	0.139%
51	6.071	6.055	6.082	VV	7955	98941	1.47%	0.047%
52	6.101	6.082	6.135	VV	42478	492093	7.29%	0.235%
53	6.159	6.135	6.174	VV	15929	179574	2.66%	0.086%
54	6.209	6.174	6.233	VV	41670	704206	10.44%	0.337%
55	6.250	6.233	6.271	VV	19726	274342	4.07%	0.131%
56	6.288	6.271	6.303	VV	30701	316494	4.69%	0.151%
57	6.325	6.303	6.354	VV	28627	418877	6.21%	0.200%
58	6.369	6.354	6.399	VV	13808	198674	2.95%	0.095%
59	6.426	6.399	6.470	VV	25594	549676	8.15%	0.263%
60	6.502	6.470	6.514	VV	19676	294715	4.37%	0.141%
61	6.523	6.514	6.549	VV	13064	140002	2.08%	0.067%
62	6.586	6.549	6.607	VV	18804	290675	4.31%	0.139%
63	6.626	6.607	6.635	VV	8337	111480	1.65%	0.053%
64	6.649	6.635	6.670	VV	19753	214640	3.18%	0.103%
65	6.699	6.670	6.716	VV	19389	261431	3.88%	0.125%
66	6.720	6.716	6.732	VV	5592	45781	0.68%	0.022%
67	6.751	6.732	6.764	VV	12938	158628	2.35%	0.076%
68	6.782	6.764	6.799	VV	14065	171293	2.54%	0.082%
69	6.818	6.799	6.841	VV	10661	140067	2.08%	0.067%
70	6.856	6.841	6.865	VV	5029	51806	0.77%	0.025%
71	6.879	6.865	6.883	VV	7163	65599	0.97%	0.031%
72	6.902	6.883	6.923	VV	43165	443787	6.58%	0.212%
73	6.941	6.923	6.957	VV	6317	77165	1.14%	0.037%
74	6.963	6.957	6.965	VV	1937	8693	0.13%	0.004%
75	6.987	6.965	6.993	VV	4944	58632	0.87%	0.028%
76	7.025	6.993	7.043	VV	13319	265055	3.93%	0.127%
77	7.062	7.043	7.095	VV	21180	346323	5.13%	0.166%
78	7.130	7.095	7.159	VV	28574	527124	7.81%	0.252%
79	7.173	7.159	7.185	VV	7219	71390	1.06%	0.034%
80	7.204	7.185	7.214	VV	19029	224073	3.32%	0.107%
81	7.220	7.214	7.243	VV	16673	230593	3.42%	0.110%
82	7.260	7.243	7.302	VV	42905	629851	9.34%	0.301%
83	7.329	7.302	7.345	VV	3582	67063	0.99%	0.032%
84	7.359	7.345	7.373	VV	2810	31056	0.46%	0.015%
85	7.410	7.373	7.457	VV	15727	372130	5.52%	0.178%
86	7.480	7.457	7.502	VV	10281	205869	3.05%	0.098%
87	7.512	7.502	7.551	VV	8127	109945	1.63%	0.053%
88	7.567	7.551	7.582	VV	2124	24675	0.37%	0.012%
89	7.603	7.582	7.631	VV	11725	201522	2.99%	0.096%

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90	7.649	7.631	7.669	VV	9989	131705	1.95%	0.063%
91	7.681	7.669	7.690	VV	2046	19521	0.29%	0.009%
92	7.695	7.690	7.706	VV	1719	15245	0.23%	0.007%
93	7.735	7.706	7.801	VV	506482	4882109	72.37%	2.335%
94	7.831	7.801	7.847	VV	3267	50443	0.75%	0.024%
95	7.858	7.847	7.872	VV	2194	22903	0.34%	0.011%
96	7.887	7.872	7.897	VV	3246	33153	0.49%	0.016%
97	7.917	7.897	7.955	VV	3951	91063	1.35%	0.044%
98	7.984	7.955	7.998	VV	6334	89772	1.33%	0.043%
99	8.027	7.998	8.039	VV	5903	111069	1.65%	0.053%
100	8.052	8.039	8.067	VV	6527	71143	1.05%	0.034%
101	8.073	8.067	8.082	VV	2776	22696	0.34%	0.011%
102	8.100	8.082	8.107	VV	14652	143577	2.13%	0.069%
103	8.114	8.107	8.130	VV	15894	152009	2.25%	0.073%
104	8.140	8.130	8.170	VV	6502	77153	1.14%	0.037%
105	8.219	8.170	8.233	VV	23870	282828	4.19%	0.135%
106	8.246	8.233	8.264	VV	16306	166554	2.47%	0.080%
107	8.282	8.264	8.301	VV	7017	94626	1.40%	0.045%
108	8.328	8.301	8.351	VV	4018	71823	1.06%	0.034%
109	8.393	8.351	8.420	VV	7644	199860	2.96%	0.096%
110	8.428	8.420	8.438	VV	819	7034	0.10%	0.003%
111	8.455	8.438	8.470	VV	3392	32150	0.48%	0.015%
112	8.490	8.470	8.501	VV	2987	34159	0.51%	0.016%
113	8.515	8.501	8.532	VV	3573	46166	0.68%	0.022%
114	8.538	8.532	8.554	VV	1890	16117	0.24%	0.008%
115	8.600	8.554	8.632	VV	337170	3308811	49.05%	1.583%
116	8.652	8.632	8.664	VV	1676	20387	0.30%	0.010%
117	8.682	8.664	8.687	VV	1884	20860	0.31%	0.010%
118	8.700	8.687	8.730	VV	2538	42229	0.63%	0.020%
119	8.754	8.730	8.781	VV	4869	73580	1.09%	0.035%
120	8.797	8.781	8.804	VV	2404	27757	0.41%	0.013%
121	8.819	8.804	8.837	VV	3236	51101	0.76%	0.024%
122	8.855	8.837	8.873	VV	2264	32355	0.48%	0.015%
123	8.892	8.873	8.914	PV	1801	29535	0.44%	0.014%
124	8.935	8.914	8.956	VV	7283	98821	1.46%	0.047%
125	8.971	8.956	8.985	VV	3397	42638	0.63%	0.020%
126	9.008	8.985	9.030	VV	71909	716994	10.63%	0.343%
127	9.059	9.030	9.071	VV	4131	70834	1.05%	0.034%
128	9.104	9.071	9.117	VV	7873	121501	1.80%	0.058%
129	9.143	9.117	9.178	VV	8594	155348	2.30%	0.074%
130	9.199	9.178	9.218	VV	1162	16216	0.24%	0.008%
131	9.260	9.218	9.277	PV	7946	114384	1.70%	0.055%
132	9.290	9.277	9.307	VV	4434	45773	0.68%	0.022%
133	9.337	9.307	9.354	VV	1750	27524	0.41%	0.013%
134	9.374	9.354	9.380	VV	3430	33059	0.49%	0.016%
135	9.395	9.380	9.427	VV	9189	125546	1.86%	0.060%
136	9.436	9.427	9.455	VV	2310	28417	0.42%	0.014%
137	9.477	9.455	9.491	VV	4514	57956	0.86%	0.028%
138	9.505	9.491	9.529	VV	4910	58417	0.87%	0.028%
139	9.559	9.529	9.603	VV	11608	187599	2.78%	0.090%
140	9.630	9.603	9.644	VV	2197	35095	0.52%	0.017%
141	9.661	9.644	9.669	VV	2917	35226	0.52%	0.017%

					rteres			
142	9.681	9.669	9.699	VV	4732	56029	0.83%	0.027%
143	9.721	9.699	9.732	VV	4003	58826	0.87%	0.028%
144	9.753	9.732	9.779	VV	28946	315137	4.67%	0.151%
145	9.798	9.779	9.816	VV	4305	60286	0.89%	0.029%
146	9.832	9.816	9.868	VV	3418	76473	1.13%	0.037%
147	9.886	9.868	9.893	VV	4301	47430	0.70%	0.023%
148	9.903	9.893	9.943	VV	4518	95757	1.42%	0.046%
149	9.967	9.943	9.973	VV	2962	43914	0.65%	0.021%
150	9.991	9.973	10.027	VV	4830	89557	1.33%	0.043%
151	10.058	10.027	10.091	VV	6153	129515	1.92%	0.062%
152	10.100	10.091	10.120	VV	2091	34587	0.51%	0.017%
153	10.133	10.120	10.144	VV	2398	28632	0.42%	0.014%
154	10.162	10.144	10.177	VV	3772	57253	0.85%	0.027%
155	10.189	10.177	10.194	VV	3481	32062	0.48%	0.015%
156	10.217	10.194	10.243	VV	8531	155812	2.31%	0.075%
157	10.266	10.243	10.295	VV	12029	222896	3.30%	0.107%
158	10.326	10.295	10.338	VV	11852	206671	3.06%	0.099%
159	10.352	10.338	10.384	VV	13529	241397	3.58%	0.115%
160	10.400	10.384	10.445	VV	10005	243775	3.61%	0.117%
161	10.470	10.445	10.506	VV	11195	283765	4.21%	0.136%
162	10.531	10.506	10.548	VV	10333	204355	3.03%	0.098%
163	10.554	10.548	10.579	VV	7271	126435	1.87%	0.060%
164	10.604	10.579	10.619	VV	9480	188144	2.79%	0.090%
165	10.643	10.619	10.664	VV	20881	334101	4.95%	0.160%
166	10.693	10.664	10.714	VV	14407	329532	4.88%	0.158%
167	10.723	10.714	10.735	VV	9249	114253	1.69%	0.055%
168	10.754	10.735	10.771	VV	10764	210422	3.12%	0.101%
169	10.777	10.771	10.802	VV	8655	142282	2.11%	0.068%
170	10.836	10.802	10.847	VV	9502	230914	3.42%	0.110%
171	10.874	10.847	10.928	VV	16381	552527	8.19%	0.264%
172	10.951	10.928	10.992	VV	13446	401152	5.95%	0.192%
173	11.015	10.992	11.034	VV	12326	257029	3.81%	0.123%
174	11.057	11.034	11.077	VV	12701	280309	4.16%	0.134%
175	11.096	11.077	11.111	VV	12341	222031	3.29%	0.106%
176	11.122	11.111	11.135	VV	11258	154612	2.29%	0.074%
177	11.154	11.135	11.161	VV	12234	176659	2.62%	0.084%
178	11.185	11.161	11.206	VV	16965	372543	5.52%	0.178%
179	11.234	11.206	11.247	VV	15349	330738	4.90%	0.158%
180	11.266	11.247	11.291	VV	16179	386028	5.72%	0.185%
181	11.300	11.291	11.310	VV	14377	165361	2.45%	0.079%
182	11.321	11.310	11.334	VV	14810	196804	2.92%	0.094%
183	11.366	11.334	11.383	VV	16303	445942	6.61%	0.213%
184	11.411	11.383	11.437	VV	21510	547802	8.12%	0.262%
185	11.465	11.437	11.495	VV	17158	512230	7.59%	0.245%
186	11.530	11.495	11.549	VV	19352	520383	7.71%	0.249%
187	11.565	11.549	11.582	VV	17924	327174	4.85%	0.156%
188	11.591	11.582	11.597	VV	14837	131462	1.95%	0.063%
189	11.646	11.597	11.692	VV	541737	6746067	100.00%	3.227%
190	11.707	11.692	11.746	VV	23486	621762	9.22%	0.297%
191	11.793	11.746	11.810	VV	24918	773533	11.47%	0.370%
192	11.825	11.810	11.843	VV	27820	481709	7.14%	0.230%
193	11.863	11.843	11.885	VV	24848	578635	8.58%	0.277%
194	11.894	11.885	11.911	VV	20704	309670	4.59%	0.148%

rteres								
195	11.973	11.911	11.995	VV	28589	1137448	16.86%	0.544%
196	12.014	11.995	12.026	VV	26088	441964	6.55%	0.211%
197	12.041	12.026	12.060	VV	30808	538575	7.98%	0.258%
198	12.078	12.060	12.096	VV	26010	508661	7.54%	0.243%
199	12.115	12.096	12.129	VV	23746	458756	6.80%	0.219%
200	12.144	12.129	12.160	VV	24454	431784	6.40%	0.207%
201	12.174	12.160	12.189	VV	25219	420808	6.24%	0.201%
202	12.237	12.189	12.271	VV	142145	2594716	38.46%	1.241%
203	12.282	12.271	12.310	VV	26302	594911	8.82%	0.285%
204	12.325	12.310	12.338	VV	26637	430063	6.38%	0.206%
205	12.355	12.338	12.389	VV	31333	845320	12.53%	0.404%
206	12.423	12.389	12.445	VV	28184	890956	13.21%	0.426%
207	12.486	12.445	12.521	VV	33160	1330050	19.72%	0.636%
208	12.573	12.521	12.595	VV	44021	1511591	22.41%	0.723%
209	12.608	12.595	12.624	VV	33603	549820	8.15%	0.263%
210	12.636	12.624	12.667	VV	37157	848535	12.58%	0.406%
211	12.688	12.667	12.704	VV	39677	746420	11.06%	0.357%
212	12.715	12.704	12.732	VV	33737	532704	7.90%	0.255%
213	12.751	12.732	12.779	VV	31799	847234	12.56%	0.405%
214	12.814	12.779	12.837	VV	34375	1098268	16.28%	0.525%
215	12.842	12.837	12.855	VV	29790	325378	4.82%	0.156%
216	12.878	12.855	12.888	VV	32528	605083	8.97%	0.289%
217	12.903	12.888	12.917	VV	33800	569480	8.44%	0.272%
218	12.937	12.917	12.965	VV	36385	982005	14.56%	0.470%
219	12.985	12.965	12.999	VV	41593	734972	10.89%	0.352%
220	13.024	12.999	13.045	VV	51126	1130699	16.76%	0.541%
221	13.074	13.045	13.099	VV	147828	2426957	35.98%	1.161%
222	13.117	13.099	13.147	VV	49929	1236394	18.33%	0.591%
223	13.174	13.147	13.207	VV	39410	1340869	19.88%	0.641%
224	13.217	13.207	13.234	VV	36276	569529	8.44%	0.272%
225	13.252	13.234	13.272	VV	43345	929104	13.77%	0.444%
226	13.295	13.272	13.304	VV	43815	823835	12.21%	0.394%
227	13.317	13.304	13.349	VV	44738	1095666	16.24%	0.524%
228	13.351	13.349	13.368	VV	38655	441842	6.55%	0.211%
229	13.383	13.368	13.395	VV	41046	644890	9.56%	0.308%
230	13.411	13.395	13.430	VV	44227	849086	12.59%	0.406%
231	13.464	13.430	13.500	VV	107445	2471424	36.64%	1.182%
232	13.504	13.500	13.509	VV	44268	219316	3.25%	0.105%
233	13.514	13.509	13.537	VV	44264	730472	10.83%	0.349%
234	13.541	13.537	13.544	VV	42477	173180	2.57%	0.083%
235	13.547	13.544	13.554	VV	42570	249838	3.70%	0.119%
236	13.571	13.554	13.602	VV	47168	1254433	18.60%	0.600%
237	13.622	13.602	13.637	VV	43011	855580	12.68%	0.409%
238	13.646	13.637	13.664	VV	42527	680457	10.09%	0.325%
239	13.685	13.664	13.714	VV	51599	1390603	20.61%	0.665%
240	13.744	13.714	13.766	VV	48293	1436998	21.30%	0.687%
241	13.772	13.766	13.796	VV	45959	816206	12.10%	0.390%
242	13.809	13.796	13.815	VV	44059	479196	7.10%	0.229%
243	13.843	13.815	13.870	VV	47482	1506955	22.34%	0.721%
244	13.890	13.870	13.909	VV	45488	1039289	15.41%	0.497%
245	13.931	13.909	13.935	VV	45385	685999	10.17%	0.328%
246	13.955	13.935	13.971	VV	48387	1024795	15.19%	0.490%

rteres								
247	13.976	13.971	14.006	VV	46797	962877	14.27%	0.461%
248	14.032	14.006	14.037	VV	49227	859742	12.74%	0.411%
249	14.061	14.037	14.092	VV	53918	1672377	24.79%	0.800%
250	14.128	14.092	14.147	VV	50299	1582519	23.46%	0.757%
251	14.153	14.147	14.167	VV	47948	564472	8.37%	0.270%
252	14.196	14.167	14.213	VV	52264	1385223	20.53%	0.663%
253	14.218	14.213	14.241	VV	51949	857156	12.71%	0.410%
254	14.259	14.241	14.266	VV	50599	745779	11.06%	0.357%
255	14.293	14.266	14.320	VV	57528	1686846	25.00%	0.807%
256	14.332	14.320	14.337	VV	50079	495417	7.34%	0.237%
257	14.341	14.337	14.365	VV	50506	828274	12.28%	0.396%
258	14.386	14.365	14.398	VV	50317	976469	14.47%	0.467%
259	14.402	14.398	14.406	VV	49531	212690	3.15%	0.102%
260	14.415	14.406	14.423	VV	50015	511276	7.58%	0.245%
261	14.452	14.423	14.470	VV	51962	1431241	21.22%	0.685%
262	14.512	14.470	14.534	VV	60047	2135603	31.66%	1.021%
263	14.549	14.534	14.572	VV	54628	1175743	17.43%	0.562%
264	14.596	14.572	14.601	VV	51313	890606	13.20%	0.426%
265	14.609	14.601	14.620	VV	51158	553615	8.21%	0.265%
266	14.643	14.620	14.655	VV	53327	1108560	16.43%	0.530%
267	14.661	14.655	14.664	VV	54070	278926	4.13%	0.133%
268	14.673	14.664	14.699	VV	54241	1089164	16.15%	0.521%
269	14.730	14.699	14.763	VV	53154	1986458	29.45%	0.950%
270	14.778	14.763	14.790	VV	50992	796726	11.81%	0.381%
271	14.831	14.790	14.838	VV	55902	1534238	22.74%	0.734%
272	14.857	14.838	14.875	VV	57063	1213406	17.99%	0.580%
273	14.897	14.875	14.916	VV	56847	1294222	19.18%	0.619%
274	14.924	14.916	14.940	VV	53722	756180	11.21%	0.362%
275	14.948	14.940	14.966	VV	52991	830269	12.31%	0.397%
276	14.989	14.966	15.012	VV	53985	1462740	21.68%	0.700%
277	15.016	15.012	15.036	VV	52662	740447	10.98%	0.354%
278	15.066	15.036	15.122	VV	62038	2803148	41.55%	1.341%
279	15.134	15.122	15.141	VV	50584	561713	8.33%	0.269%
280	15.176	15.141	15.227	VV	53809	2694493	39.94%	1.289%
281	15.234	15.227	15.242	VV	51164	444103	6.58%	0.212%
282	15.259	15.242	15.277	VV	52383	1072290	15.90%	0.513%
283	15.301	15.277	15.333	VV	69488	1948520	28.88%	0.932%
284	15.350	15.333	15.355	VV	53958	707737	10.49%	0.339%
285	15.363	15.355	15.399	VV	54098	1357036	20.12%	0.649%
286	15.402	15.399	15.423	VV	50869	711634	10.55%	0.340%
287	15.465	15.423	15.512	VV	64919	3014402	44.68%	1.442%
288	15.531	15.512	15.559	VV	53045	1439947	21.34%	0.689%
289	15.575	15.559	15.602	VV	51348	1313384	19.47%	0.628%
290	15.607	15.602	15.612	VV	50162	299932	4.45%	0.143%
291	15.627	15.612	15.643	VV	51249	948808	14.06%	0.454%
292	15.648	15.643	15.658	VV	51615	458357	6.79%	0.219%
293	15.666	15.658	15.669	VV	51461	328174	4.86%	0.157%
294	15.672	15.669	15.680	VV	51836	350847	5.20%	0.168%
295	15.697	15.680	15.728	VV	52282	1473719	21.85%	0.705%
296	15.756	15.728	15.794	VV	58272	2134863	31.65%	1.021%
297	15.798	15.794	15.808	VV	51955	443371	6.57%	0.212%
298	15.829	15.808	15.847	VV	51960	1169814	17.34%	0.560%
299	15.851	15.847	15.880	VV	50994	987448	14.64%	0.472%

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300	15.900	15.880	15.925	VV	51049	1351006	20.03%	0.646%
301	15.943	15.925	15.949	VV	50109	690227	10.23%	0.330%
302	15.977	15.949	16.020	VV	54114	2165431	32.10%	1.036%
303	16.033	16.020	16.069	VV	48449	1364090	20.22%	0.652%
304	16.140	16.069	16.169	VV	50188	2853747	42.30%	1.365%
305	16.173	16.169	16.184	VV	48487	422921	6.27%	0.202%
306	16.185	16.184	16.194	VV	47711	288725	4.28%	0.138%
307	16.197	16.194	16.214	VV	47762	557488	8.26%	0.267%
308	16.258	16.214	16.292	VV	54373	2351519	34.86%	1.125%
309	16.313	16.292	16.355	VV	52050	1822038	27.01%	0.871%
310	16.410	16.355	16.431	VV	49386	2086778	30.93%	0.998%
311	16.435	16.431	16.439	VV	45902	216120	3.20%	0.103%
312	16.441	16.439	16.499	VV	45389	1539131	22.82%	0.736%
313	16.504	16.499	16.510	VV	42531	278165	4.12%	0.133%
314	16.552	16.510	16.562	VV	43788	1330034	19.72%	0.636%
315	16.572	16.562	16.588	VV	44169	692988	10.27%	0.331%
316	16.595	16.588	16.612	VV	43103	597514	8.86%	0.286%
317	16.641	16.612	16.674	VV	46906	1657058	24.56%	0.793%
318	16.679	16.674	16.697	VV	41702	566353	8.40%	0.271%
319	16.707	16.697	16.717	VV	42034	508117	7.53%	0.243%
320	16.729	16.717	16.743	VV	44539	681354	10.10%	0.326%
321	16.755	16.743	16.770	VV	42807	672547	9.97%	0.322%
322	16.784	16.770	16.809	VV	44437	948487	14.06%	0.454%
323	16.814	16.809	16.832	VV	36249	509236	7.55%	0.244%
324	16.841	16.832	16.845	VV	36956	282908	4.19%	0.135%
325	16.855	16.845	16.864	VV	36812	403497	5.98%	0.193%
326	16.888	16.864	16.905	VV	39865	931051	13.80%	0.445%
327	16.920	16.905	16.954	VV	40761	1138621	16.88%	0.545%
328	16.959	16.954	16.969	VV	36159	313267	4.64%	0.150%
329	16.973	16.969	16.977	VV	34385	168743	2.50%	0.081%
330	17.002	16.977	17.009	VV	35026	641347	9.51%	0.307%
331	17.019	17.009	17.067	VV	35632	1184550	17.56%	0.567%
332	17.110	17.067	17.115	VV	36928	1016176	15.06%	0.486%
333	17.127	17.115	17.174	VV	37818	1220387	18.09%	0.584%
334	17.213	17.174	17.234	VV	35986	1168735	17.32%	0.559%
335	17.250	17.234	17.267	VV	34070	660582	9.79%	0.316%
336	17.272	17.267	17.305	VV	29931	662313	9.82%	0.317%
337	17.314	17.305	17.352	VV	29811	791508	11.73%	0.379%
338	17.365	17.352	17.405	VV	27706	840702	12.46%	0.402%
339	17.418	17.405	17.422	VV	25371	244349	3.62%	0.117%
340	17.459	17.422	17.495	VV	28121	1142059	16.93%	0.546%
341	17.512	17.495	17.540	VV	24735	620048	9.19%	0.297%
342	17.551	17.540	17.594	VV	22734	694078	10.29%	0.332%
343	17.616	17.594	17.644	VV	22214	609943	9.04%	0.292%
344	17.645	17.644	17.652	VV	19346	95463	1.42%	0.046%
345	17.678	17.652	17.734	VV	22157	999142	14.81%	0.478%
346	17.775	17.734	17.829	VV	21594	1036470	15.36%	0.496%
347	17.834	17.829	17.883	VV	16014	492713	7.30%	0.236%
348	17.907	17.883	17.912	VV	15401	259464	3.85%	0.124%
349	17.928	17.912	17.947	VV	16867	328072	4.86%	0.157%
350	17.955	17.947	18.006	VV	15737	468417	6.94%	0.224%
351	18.009	18.006	18.030	VV	11400	158246	2.35%	0.076%

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352	18.048	18.030	18.053	VV	11507	147257	2.18%	0.070%
353	18.059	18.053	18.066	VV	12029	91392	1.35%	0.044%
354	18.070	18.066	18.089	VV	11906	150568	2.23%	0.072%
355	18.127	18.089	18.178	VV	19638	703013	10.42%	0.336%
356	18.192	18.178	18.219	VV	9840	196561	2.91%	0.094%
357	18.231	18.219	18.236	VV	6273	59415	0.88%	0.028%
358	18.239	18.236	18.255	VV	6210	66151	0.98%	0.032%
359	18.292	18.255	18.348	VV	9025	306751	4.55%	0.147%
360	18.354	18.348	18.361	VV	3433	25979	0.39%	0.012%
361	18.374	18.361	18.385	VV	3689	46345	0.69%	0.022%
362	18.400	18.385	18.424	VV	6686	103401	1.53%	0.049%
363	18.426	18.424	18.433	VV	2693	13733	0.20%	0.007%
364	18.443	18.433	18.455	VV	3161	34548	0.51%	0.017%
365	18.467	18.455	18.477	VV	2871	33669	0.50%	0.016%
366	18.494	18.477	18.512	VV	2572	40676	0.60%	0.019%
367	18.532	18.512	18.548	VV	1164	20246	0.30%	0.010%
368	18.554	18.548	18.562	VV	902	4541	0.07%	0.002%
369	18.579	18.562	18.583	PV	467	4156	0.06%	0.002%
					Sum of corrected areas:		209070729	

Aromatic EPH 071525.M Thu Jul 17 07:55:12 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILEDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FC069481.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	44.1		1.70	12.1	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.57	J	1.34	8.10	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	32.2		1.58	12.1	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	159		6.44	16.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.1		14.3	24.3	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.24		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05DL	Acq On:	17 Jul 2025 10:23
Client Sample ID:	STOCK-PILEDL	Operator:	YP/AJ
Data file:	FC069481.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	7571643	54.472	300	ug/ml
Aliphatic C12-C16	6.600	10.002	1169446	8.117	200	ug/ml
Aliphatic C16-C21	10.003	13.370	5399316	39.702	300	ug/ml
Aliphatic C21-C28	13.371	17.036	23446783	197.05	400	ug/ml
Aliphatic C28-C40	17.037	22.013	9002445	100.157	600	ug/ml
Aliphatic EPH	3.303	22.013	46589633	399.498		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	479585	4.24		ug/ml
Aliphatic C9-C28	3.303	17.036	37587188	299.341	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069481.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 10:23
Operator : YP/AJ
Sample : Q2600-05DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
STOCK-PILEDL

Integration File: autoint1.e
Quant Time: Jul 17 11:31:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.103	479585	4.244 ug/ml
Spiked Amount 50.000		Recovery =	8.49%

Target Compounds

(f)=RT Delta > 1/2 Window

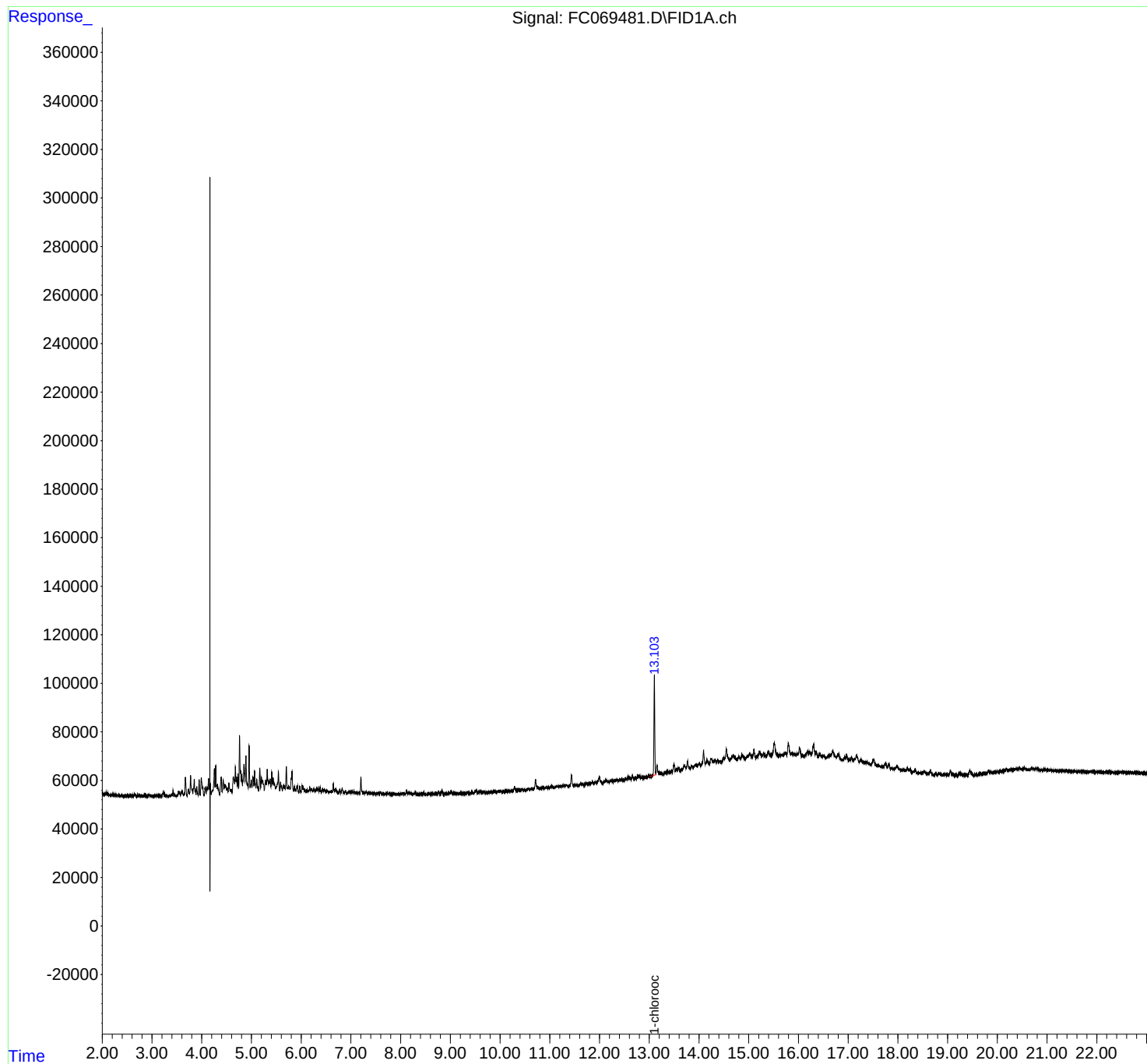
(m)=manual int.

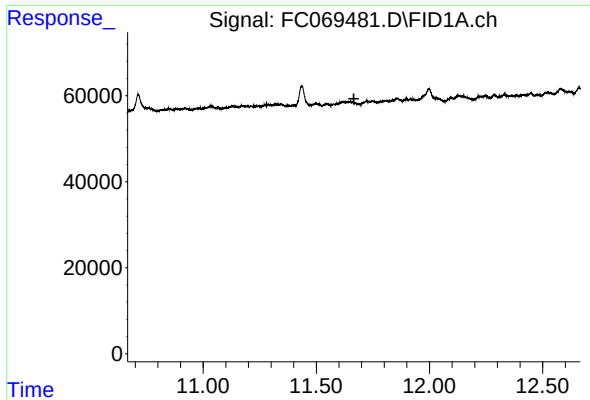
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069481.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 10:23
Operator : YP/AJ
Sample : Q2600-05DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
STOCK-PILEDL

Integration File: autoint1.e
Quant Time: Jul 17 11:31:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

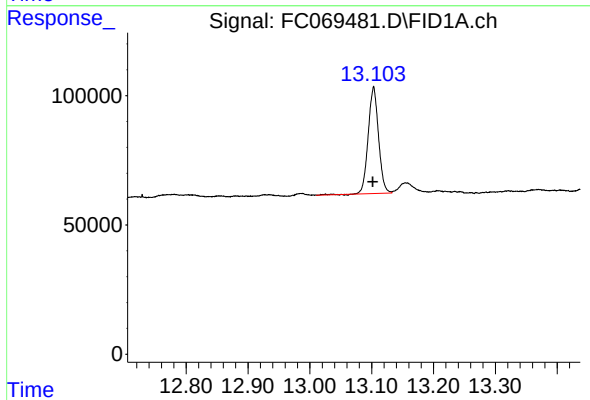




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
STOCK-PILEDL



#12 1-chlorooctadecane (SURR)

R.T.: 13.103 min
Delta R.T.: 0.001 min
Response: 479585
Conc: 4.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069481.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 10:23
Sample : Q2600-05DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.227	3.204	3.240	PV	1846	17676	2.06%	0.037%
2	3.251	3.240	3.288	PV	1025	5072	0.59%	0.011%
3	3.300	3.288	3.336	PV	167	1575	0.18%	0.003%
4	3.351	3.336	3.363	PV	378	3039	0.35%	0.006%
5	3.398	3.363	3.408	VV	653	9680	1.13%	0.020%
6	3.424	3.408	3.481	VV	2611	32291	3.76%	0.068%
7	3.532	3.481	3.544	PV	2070	22978	2.67%	0.048%
8	3.555	3.544	3.570	VV	1966	19084	2.22%	0.040%
9	3.603	3.570	3.634	VV	2325	44785	5.21%	0.094%
10	3.673	3.634	3.704	VV	7807	108503	12.62%	0.229%
11	3.731	3.704	3.749	VV	2771	41927	4.88%	0.088%
12	3.778	3.749	3.821	VV	8449	146600	17.05%	0.309%
13	3.850	3.821	3.886	VV	6970	119178	13.86%	0.251%
14	3.901	3.886	3.930	VV	3889	48983	5.70%	0.103%
15	3.949	3.930	3.966	VV	6721	61086	7.11%	0.129%
16	3.993	3.966	4.044	VV	7380	161038	18.73%	0.340%
17	4.074	4.044	4.090	VV	3651	56873	6.62%	0.120%
18	4.106	4.090	4.115	VV	3333	38287	4.45%	0.081%
19	4.137	4.115	4.191	VV	7250	294637	34.27%	0.622%
20	4.219	4.191	4.226	VV	2449	39108	4.55%	0.083%
21	4.254	4.226	4.268	VV	11290	155485	18.09%	0.328%
22	4.282	4.268	4.307	VV	12565	162199	18.87%	0.342%
23	4.319	4.307	4.356	VV	4824	81954	9.53%	0.173%
24	4.391	4.356	4.410	VV	7850	124366	14.47%	0.262%
25	4.432	4.410	4.453	VV	6578	112480	13.08%	0.237%
26	4.468	4.453	4.508	VV	4398	119371	13.89%	0.252%
27	4.517	4.508	4.530	VV	3135	34482	4.01%	0.073%
28	4.546	4.530	4.574	VV	5284	87949	10.23%	0.186%
29	4.591	4.574	4.608	VV	2499	42699	4.97%	0.090%
30	4.637	4.608	4.661	VV	7651	168389	19.59%	0.355%
31	4.677	4.661	4.691	VV	12091	151883	17.67%	0.320%
32	4.700	4.691	4.715	VV	7764	90365	10.51%	0.191%
33	4.729	4.715	4.743	VV	9150	102066	11.87%	0.215%
34	4.761	4.743	4.797	VV	24644	386146	44.92%	0.815%
35	4.807	4.797	4.819	VV	8669	90886	10.57%	0.192%
36	4.850	4.819	4.871	VV	12768	257524	29.96%	0.543%

					rteres			
37	4.888	4.871	4.933	VV	16525	299751	34.87%	0.632%
38	4.953	4.933	4.974	VV	20544	240072	27.93%	0.507%
39	4.998	4.974	5.012	VV	6385	104764	12.19%	0.221%
40	5.029	5.012	5.050	VV	7790	137689	16.02%	0.291%
41	5.063	5.050	5.091	VV	10192	150280	17.48%	0.317%
42	5.107	5.091	5.144	VV	6841	133384	15.52%	0.281%
43	5.168	5.144	5.186	VV	11294	154220	17.94%	0.325%
44	5.201	5.186	5.213	VV	7519	95289	11.08%	0.201%
45	5.226	5.213	5.259	VV	6501	136105	15.83%	0.287%
46	5.285	5.259	5.299	VV	6416	115020	13.38%	0.243%
47	5.317	5.299	5.346	VV	10865	198205	23.06%	0.418%
48	5.356	5.346	5.364	VV	5964	58103	6.76%	0.123%
49	5.375	5.364	5.390	VV	6861	87945	10.23%	0.186%
50	5.409	5.390	5.424	VV	9753	132989	15.47%	0.281%
51	5.438	5.424	5.456	VV	7231	113741	13.23%	0.240%
52	5.465	5.456	5.490	VV	4896	78921	9.18%	0.167%
53	5.502	5.490	5.507	VV	3587	35153	4.09%	0.074%
54	5.543	5.507	5.567	VV	9810	190881	22.20%	0.403%
55	5.585	5.567	5.622	VV	5542	117856	13.71%	0.249%
56	5.651	5.622	5.680	VV	3774	116769	13.58%	0.246%
57	5.702	5.680	5.722	VV	11925	165235	19.22%	0.349%
58	5.730	5.722	5.740	VV	3493	34094	3.97%	0.072%
59	5.754	5.740	5.776	VV	3695	68925	8.02%	0.145%
60	5.816	5.776	5.847	VV	9980	214900	25.00%	0.453%
61	5.864	5.847	5.896	VV	3787	75395	8.77%	0.159%
62	5.925	5.896	5.950	VV	3975	87254	10.15%	0.184%
63	5.971	5.950	5.998	VV	3808	63063	7.34%	0.133%
64	6.019	5.998	6.090	VV	4044	141392	16.45%	0.298%
65	6.115	6.090	6.132	VV	2214	46844	5.45%	0.099%
66	6.143	6.132	6.153	VV	1904	22151	2.58%	0.047%
67	6.172	6.153	6.189	VV	3559	54094	6.29%	0.114%
68	6.211	6.189	6.230	VV	2587	55712	6.48%	0.118%
69	6.248	6.230	6.278	VV	2588	59312	6.90%	0.125%
70	6.311	6.278	6.324	VV	2651	60436	7.03%	0.128%
71	6.339	6.324	6.361	VV	2829	52454	6.10%	0.111%
72	6.380	6.361	6.402	VV	3528	56309	6.55%	0.119%
73	6.433	6.402	6.447	VV	2446	52605	6.12%	0.111%
74	6.460	6.447	6.505	VV	2361	61282	7.13%	0.129%
75	6.521	6.505	6.548	VV	2163	41134	4.78%	0.087%
76	6.564	6.548	6.578	VV	1514	23282	2.71%	0.049%
77	6.594	6.578	6.605	VV	1501	22312	2.60%	0.047%
78	6.616	6.605	6.626	VV	1474	17332	2.02%	0.037%
79	6.647	6.626	6.669	VV	4802	71103	8.27%	0.150%
80	6.692	6.669	6.711	VV	2748	52697	6.13%	0.111%
81	6.720	6.711	6.747	VV	1528	26342	3.06%	0.056%
82	6.772	6.747	6.797	VV	2043	41270	4.80%	0.087%
83	6.825	6.797	6.851	VV	2904	56001	6.51%	0.118%
84	6.889	6.851	6.920	VV	1420	45737	5.32%	0.096%
85	6.961	6.920	6.986	VV	1375	41340	4.81%	0.087%
86	7.004	6.986	7.016	VV	1616	23256	2.71%	0.049%
87	7.027	7.016	7.043	VV	1442	19216	2.24%	0.041%
88	7.059	7.043	7.090	VV	1410	30316	3.53%	0.064%
89	7.111	7.090	7.148	VV	1044	30800	3.58%	0.065%

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90	7.160	7.148	7.178	VV	765	12602	1.47%	0.027%
91	7.202	7.178	7.245	VV	7327	101238	11.78%	0.214%
92	7.259	7.245	7.277	VV	1140	16230	1.89%	0.034%
93	7.306	7.277	7.338	VV	1465	32459	3.78%	0.068%
94	7.345	7.338	7.367	VV	732	10634	1.24%	0.022%
95	7.389	7.367	7.453	VV	945	32801	3.82%	0.069%
96	7.475	7.453	7.498	VV	587	13200	1.54%	0.028%
97	7.517	7.498	7.530	VV	639	10511	1.22%	0.022%
98	7.544	7.530	7.578	VV	672	15392	1.79%	0.032%
99	7.598	7.578	7.635	VV	1106	22451	2.61%	0.047%
100	7.644	7.635	7.670	VV	377	6007	0.70%	0.013%
101	7.687	7.670	7.700	VV	381	5373	0.63%	0.011%
102	7.723	7.700	7.751	VV	557	12495	1.45%	0.026%
103	7.766	7.751	7.809	VV	657	13513	1.57%	0.029%
104	7.820	7.809	7.838	VV	325	4106	0.48%	0.009%
105	7.860	7.838	7.888	VV	369	8208	0.95%	0.017%
106	7.902	7.888	7.925	VV	280	4582	0.53%	0.010%
107	7.940	7.925	7.972	VV	252	4527	0.53%	0.010%
108	7.995	7.972	8.021	VV	419	8438	0.98%	0.018%
109	8.043	8.021	8.085	VV	577	13186	1.53%	0.028%
110	8.118	8.085	8.158	VV	1933	31936	3.71%	0.067%
111	8.175	8.158	8.194	VV	692	12591	1.46%	0.027%
112	8.206	8.194	8.234	VV	569	10299	1.20%	0.022%
113	8.296	8.234	8.324	VV	932	23263	2.71%	0.049%
114	8.343	8.324	8.373	VV	305	4370	0.51%	0.009%
115	8.393	8.373	8.404	PV	182	2439	0.28%	0.005%
116	8.428	8.404	8.438	VV	208	3132	0.36%	0.007%
117	8.465	8.438	8.507	VV	924	14546	1.69%	0.031%
118	8.521	8.507	8.534	VV	61	731	0.09%	0.002%
119	8.569	8.534	8.600	VV	224	5489	0.64%	0.012%
120	8.619	8.600	8.637	VV	299	5000	0.58%	0.011%
121	8.657	8.637	8.673	VV	404	5549	0.65%	0.012%
122	8.694	8.673	8.738	VV	515	8326	0.97%	0.018%
123	8.762	8.738	8.783	VV	1302	15659	1.82%	0.033%
124	8.803	8.783	8.810	VV	434	5338	0.62%	0.011%
125	8.832	8.810	8.869	VV	1331	20508	2.39%	0.043%
126	8.876	8.869	8.898	VV	147	1544	0.18%	0.003%
127	8.934	8.898	8.946	PV	235	4725	0.55%	0.010%
128	9.014	8.946	9.040	VV	905	27736	3.23%	0.059%
129	9.053	9.040	9.085	VV	494	8564	1.00%	0.018%
130	9.140	9.085	9.183	VV	374	11682	1.36%	0.025%
131	9.210	9.183	9.248	VV	328	6629	0.77%	0.014%
132	9.257	9.248	9.314	VV	99	1107	0.13%	0.002%
133	9.343	9.314	9.394	VV	341	8045	0.94%	0.017%
134	9.439	9.394	9.464	VV	560	12669	1.47%	0.027%
135	9.519	9.464	9.553	VV	1508	31247	3.63%	0.066%
136	9.573	9.553	9.584	VV	442	5538	0.64%	0.012%
137	9.603	9.584	9.641	VV	596	13520	1.57%	0.029%
138	9.662	9.641	9.709	VV	566	14703	1.71%	0.031%
139	9.749	9.709	9.781	VV	243	8671	1.01%	0.018%
140	9.789	9.781	9.796	VV	211	1905	0.22%	0.004%
141	9.817	9.796	9.831	VV	288	5012	0.58%	0.011%

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142	9.862	9.831	9.888	VV	507	12815	1.49%	0.027%
143	9.904	9.888	9.941	VV	628	12877	1.50%	0.027%
144	9.962	9.941	9.974	VV	495	7918	0.92%	0.017%
145	10.004	9.974	10.054	VV	554	19319	2.25%	0.041%
146	10.074	10.054	10.103	VV	482	11382	1.32%	0.024%
147	10.119	10.103	10.158	VV	578	15133	1.76%	0.032%
148	10.180	10.158	10.201	VV	556	11083	1.29%	0.023%
149	10.217	10.201	10.234	VV	504	8714	1.01%	0.018%
150	10.291	10.234	10.317	VV	2169	49615	5.77%	0.105%
151	10.346	10.317	10.360	VV	806	18722	2.18%	0.040%
152	10.372	10.360	10.418	VV	828	25562	2.97%	0.054%
153	10.442	10.418	10.468	VV	1003	22937	2.67%	0.048%
154	10.494	10.468	10.512	VV	714	17099	1.99%	0.036%
155	10.541	10.512	10.551	VV	1058	19804	2.30%	0.042%
156	10.574	10.551	10.601	VV	1241	29928	3.48%	0.063%
157	10.619	10.601	10.627	VV	1127	15089	1.76%	0.032%
158	10.643	10.627	10.659	VV	1291	21303	2.48%	0.045%
159	10.713	10.659	10.796	VV	4764	156628	18.22%	0.330%
160	10.851	10.796	10.871	VV	1415	53367	6.21%	0.113%
161	10.898	10.871	10.906	VV	1356	27549	3.20%	0.058%
162	10.921	10.906	10.947	VV	1472	32162	3.74%	0.068%
163	10.977	10.947	10.992	VV	1473	35118	4.09%	0.074%
164	11.034	10.992	11.078	VV	1934	80122	9.32%	0.169%
165	11.129	11.078	11.161	VV	1812	78570	9.14%	0.166%
166	11.172	11.161	11.188	VV	1863	28443	3.31%	0.060%
167	11.198	11.188	11.229	VV	1842	42537	4.95%	0.090%
168	11.287	11.229	11.308	VV	2052	88378	10.28%	0.186%
169	11.323	11.308	11.365	VV	2240	69099	8.04%	0.146%
170	11.377	11.365	11.386	VV	1837	23192	2.70%	0.049%
171	11.436	11.386	11.478	VV	6316	168110	19.56%	0.355%
172	11.502	11.478	11.528	VV	2154	59655	6.94%	0.126%
173	11.544	11.528	11.561	VV	2091	39418	4.59%	0.083%
174	11.650	11.561	11.692	VV	2551	172078	20.02%	0.363%
175	11.723	11.692	11.741	VV	2576	69219	8.05%	0.146%
176	11.748	11.741	11.768	VV	2664	39132	4.55%	0.083%
177	11.857	11.768	11.881	VV	3171	180891	21.04%	0.382%
178	11.899	11.881	11.908	VV	3006	46429	5.40%	0.098%
179	11.916	11.908	11.941	VV	2936	56412	6.56%	0.119%
180	11.997	11.941	12.068	VV	5260	259108	30.14%	0.547%
181	12.129	12.068	12.198	VV	3696	240824	28.01%	0.508%
182	12.247	12.198	12.267	VV	3571	134556	15.65%	0.284%
183	12.286	12.267	12.303	VV	3735	71527	8.32%	0.151%
184	12.331	12.303	12.374	VV	3757	147331	17.14%	0.311%
185	12.448	12.374	12.464	VV	4034	191936	22.33%	0.405%
186	12.478	12.464	12.494	VV	3538	64604	7.51%	0.136%
187	12.523	12.494	12.553	VV	4217	137371	15.98%	0.290%
188	12.579	12.553	12.638	VV	4995	218451	25.41%	0.461%
189	12.661	12.638	12.703	VV	5130	170209	19.80%	0.359%
190	12.727	12.703	12.738	VV	4259	83871	9.76%	0.177%
191	12.780	12.738	12.794	VV	5003	153477	17.85%	0.324%
192	12.804	12.794	12.841	VV	4818	127473	14.83%	0.269%
193	12.855	12.841	12.871	VV	4336	75794	8.82%	0.160%
194	12.881	12.871	12.908	VV	4327	93226	10.84%	0.197%

					rteres			
195	12.933	12.908	12.963	VV	4800	148337	17.26%	0.313%
196	12.986	12.963	13.010	VV	5229	132272	15.39%	0.279%
197	13.035	13.010	13.061	VV	4906	146189	17.01%	0.308%
198	13.103	13.061	13.132	VV	46222	696097	80.97%	1.469%
199	13.156	13.132	13.193	VV	9236	259367	30.17%	0.547%
200	13.207	13.193	13.273	VV	6126	273693	31.84%	0.577%
201	13.321	13.273	13.346	VV	6060	249020	28.97%	0.525%
202	13.370	13.346	13.397	VV	6528	188481	21.92%	0.398%
203	13.406	13.397	13.424	VV	6273	100999	11.75%	0.213%
204	13.444	13.424	13.463	VV	6782	148104	17.23%	0.312%
205	13.497	13.463	13.523	VV	9409	272121	31.65%	0.574%
206	13.549	13.523	13.564	VV	7598	177410	20.64%	0.374%
207	13.586	13.564	13.623	VV	7598	254871	29.65%	0.538%
208	13.709	13.623	13.739	VV	8862	531449	61.82%	1.121%
209	13.771	13.739	13.801	VV	10583	323187	37.59%	0.682%
210	13.812	13.801	13.824	VV	7789	106952	12.44%	0.226%
211	13.864	13.824	13.888	VV	8544	301983	35.13%	0.637%
212	13.941	13.888	13.961	VV	9115	370275	43.07%	0.781%
213	14.008	13.961	14.031	VV	9513	372938	43.38%	0.787%
214	14.093	14.031	14.127	VV	14566	594487	69.15%	1.254%
215	14.160	14.127	14.201	VV	10903	437051	50.84%	0.922%
216	14.239	14.201	14.278	VV	11106	471401	54.84%	0.995%
217	14.323	14.278	14.347	VV	10876	420917	48.96%	0.888%
218	14.376	14.347	14.395	VV	10665	288590	33.57%	0.609%
219	14.417	14.395	14.438	VV	10153	250030	29.08%	0.528%
220	14.493	14.438	14.508	VV	11504	435444	50.65%	0.919%
221	14.549	14.508	14.625	VV	14858	832754	96.87%	1.757%
222	14.692	14.625	14.751	VV	12341	859664	100.00%	1.814%
223	14.804	14.751	14.814	VV	12030	415359	48.32%	0.876%
224	14.826	14.814	14.834	VV	11163	130221	15.15%	0.275%
225	14.862	14.834	14.882	VV	12749	341609	39.74%	0.721%
226	14.890	14.882	14.918	VV	11790	237848	27.67%	0.502%
227	14.962	14.918	14.978	VV	11758	400303	46.57%	0.845%
228	15.022	14.978	15.076	VV	12880	703041	81.78%	1.483%
229	15.105	15.076	15.141	VV	14585	485837	56.51%	1.025%
230	15.167	15.141	15.178	VV	11775	252706	29.40%	0.533%
231	15.219	15.178	15.262	VV	13595	624540	72.65%	1.318%
232	15.296	15.262	15.313	VV	12758	366447	42.63%	0.773%
233	15.325	15.313	15.341	VV	12084	200684	23.34%	0.423%
234	15.395	15.341	15.424	VV	13151	614192	71.45%	1.296%
235	15.439	15.424	15.458	VV	12170	236357	27.49%	0.499%
236	15.513	15.458	15.561	VV	16546	854691	99.42%	1.803%
237	15.570	15.561	15.606	VV	12293	315739	36.73%	0.666%
238	15.624	15.606	15.641	VV	12291	245791	28.59%	0.519%
239	15.664	15.641	15.676	VV	11914	247336	28.77%	0.522%
240	15.692	15.676	15.710	VV	12134	233586	27.17%	0.493%
241	15.747	15.710	15.768	VV	12821	425461	49.49%	0.898%
242	15.797	15.768	15.848	VV	16588	665247	77.38%	1.404%
243	15.874	15.848	15.918	VV	12618	505985	58.86%	1.068%
244	15.935	15.918	15.960	VV	12077	300368	34.94%	0.634%
245	15.977	15.960	15.989	VV	12430	212614	24.73%	0.449%
246	16.021	15.989	16.075	VV	14460	637986	74.21%	1.346%

rteres								
247	16.093	16.075	16.112	VV	11325	251587	29.27%	0.531%
248	16.142	16.112	16.153	VV	11869	278901	32.44%	0.588%
249	16.190	16.153	16.208	VV	13153	401599	46.72%	0.847%
250	16.224	16.208	16.259	VV	12716	375607	43.69%	0.792%
251	16.306	16.259	16.338	VV	15750	628496	73.11%	1.326%
252	16.355	16.338	16.395	VV	13119	406420	47.28%	0.857%
253	16.416	16.395	16.458	VV	11681	421980	49.09%	0.890%
254	16.468	16.458	16.481	VV	11054	152359	17.72%	0.321%
255	16.485	16.481	16.547	VV	10971	415560	48.34%	0.877%
256	16.565	16.547	16.579	VV	10513	193017	22.45%	0.407%
257	16.600	16.579	16.612	VV	10974	207540	24.14%	0.438%
258	16.627	16.612	16.638	VV	11166	167777	19.52%	0.354%
259	16.689	16.638	16.764	VV	12975	854838	99.44%	1.804%
260	16.788	16.764	16.866	VV	11685	623536	72.53%	1.316%
261	16.875	16.866	16.896	VV	9193	159393	18.54%	0.336%
262	16.930	16.896	16.944	VV	10304	277801	32.32%	0.586%
263	16.966	16.944	17.018	VV	11301	425797	49.53%	0.898%
264	17.063	17.018	17.101	VV	9824	451792	52.55%	0.953%
265	17.127	17.101	17.137	VV	9263	189846	22.08%	0.401%
266	17.165	17.137	17.234	VV	10628	539585	62.77%	1.138%
267	17.258	17.234	17.291	VV	8768	282047	32.81%	0.595%
268	17.308	17.291	17.346	VV	8152	252648	29.39%	0.533%
269	17.364	17.346	17.451	VV	7964	461951	53.74%	0.975%
270	17.509	17.451	17.544	VV	8835	417917	48.61%	0.882%
271	17.560	17.544	17.581	VV	6729	140158	16.30%	0.296%
272	17.603	17.581	17.622	VV	6418	151439	17.62%	0.320%
273	17.631	17.622	17.658	VV	6124	123153	14.33%	0.260%
274	17.683	17.658	17.711	VV	5866	178242	20.73%	0.376%
275	17.738	17.711	17.798	VV	6839	317357	36.92%	0.670%
276	17.820	17.798	17.852	VV	6654	189961	22.10%	0.401%
277	17.878	17.852	17.895	VV	4901	122207	14.22%	0.258%
278	17.907	17.895	17.925	VV	4657	80554	9.37%	0.170%
279	17.983	17.925	18.068	VV	5715	403415	46.93%	0.851%
280	18.108	18.068	18.165	VV	4235	227578	26.47%	0.480%
281	18.190	18.165	18.224	VV	4764	149722	17.42%	0.316%
282	18.246	18.224	18.274	VV	4517	111277	12.94%	0.235%
283	18.292	18.274	18.326	VV	3107	94157	10.95%	0.199%
284	18.347	18.326	18.402	VV	4404	142239	16.55%	0.300%
285	18.413	18.402	18.428	VV	2599	39021	4.54%	0.082%
286	18.440	18.428	18.452	VV	2591	34667	4.03%	0.073%
287	18.461	18.452	18.483	VV	2616	46430	5.40%	0.098%
288	18.526	18.483	18.575	VV	3098	147319	17.14%	0.311%
289	18.594	18.575	18.604	VV	2283	37214	4.33%	0.079%
290	18.618	18.604	18.630	VV	2384	34273	3.99%	0.072%
291	18.657	18.630	18.717	VV	3622	121262	14.11%	0.256%
292	18.727	18.717	18.741	VV	1720	22746	2.65%	0.048%
293	18.769	18.741	18.797	VV	2115	59170	6.88%	0.125%
294	18.821	18.797	18.841	VV	2178	49813	5.79%	0.105%
295	18.849	18.841	18.887	VV	1950	47623	5.54%	0.100%
296	18.918	18.887	18.942	VV	1793	51957	6.04%	0.110%
297	18.956	18.942	19.026	VV	1685	75244	8.75%	0.159%
298	19.054	19.026	19.158	VV	3125	135718	15.79%	0.286%
299	19.171	19.158	19.196	VV	1475	26702	3.11%	0.056%

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300	19.248	19.196	19.305	VV	1877	90856	10.57%	0.192%
301	19.316	19.305	19.331	VV	1299	17495	2.04%	0.037%
302	19.343	19.331	19.358	VV	1158	17352	2.02%	0.037%
303	19.371	19.358	19.411	VV	1356	36065	4.20%	0.076%
304	19.444	19.411	19.531	VV	2947	123475	14.36%	0.261%
305	19.576	19.531	19.611	VV	1224	53054	6.17%	0.112%
306	19.659	19.611	19.696	VV	1552	68100	7.92%	0.144%
307	19.733	19.696	19.778	VV	1681	72706	8.46%	0.153%
308	19.818	19.778	19.858	VV	2787	95180	11.07%	0.201%
309	19.869	19.858	19.920	VV	2151	67058	7.80%	0.141%
310	19.943	19.920	19.958	VV	1931	40143	4.67%	0.085%
311	19.992	19.958	20.011	VV	2055	61965	7.21%	0.131%
312	20.054	20.011	20.068	VV	2173	68191	7.93%	0.144%
313	20.073	20.068	20.083	VV	2157	19235	2.24%	0.041%
314	20.098	20.083	20.111	VV	2214	36009	4.19%	0.076%
315	20.183	20.111	20.204	VV	3307	140616	16.36%	0.297%
316	20.211	20.204	20.218	VV	2659	20963	2.44%	0.044%
317	20.241	20.218	20.253	VV	2867	57100	6.64%	0.120%
318	20.270	20.253	20.281	VV	2872	45777	5.32%	0.097%
319	20.292	20.281	20.321	VV	2784	64490	7.50%	0.136%
320	20.376	20.321	20.382	VV	3108	107667	12.52%	0.227%
321	20.388	20.382	20.397	VV	3055	27204	3.16%	0.057%
322	20.422	20.397	20.444	VV	3135	85815	9.98%	0.181%
323	20.450	20.444	20.463	VV	3132	33342	3.88%	0.070%
324	20.468	20.463	20.495	VV	3034	56136	6.53%	0.118%
325	20.545	20.495	20.600	VV	3301	180916	21.04%	0.382%
326	20.617	20.600	20.638	VV	2675	57449	6.68%	0.121%
327	20.683	20.638	20.701	VV	2943	103070	11.99%	0.217%
328	20.707	20.701	20.748	VV	2859	77495	9.01%	0.164%
329	20.793	20.748	20.904	VV	2851	229463	26.69%	0.484%
330	20.948	20.904	20.978	VV	2494	99668	11.59%	0.210%
331	20.987	20.978	21.011	VV	2081	40742	4.74%	0.086%
332	21.035	21.011	21.068	VV	2120	68256	7.94%	0.144%
333	21.081	21.068	21.115	VV	1922	52997	6.16%	0.112%
334	21.126	21.115	21.137	VV	1818	23414	2.72%	0.049%
335	21.156	21.137	21.208	VV	1820	72627	8.45%	0.153%
336	21.221	21.208	21.235	VV	1706	25804	3.00%	0.054%
337	21.245	21.235	21.254	VV	1570	18296	2.13%	0.039%
338	21.268	21.254	21.339	VV	1631	77783	9.05%	0.164%
339	21.401	21.339	21.460	VV	1626	103266	12.01%	0.218%
340	21.472	21.460	21.485	VV	1317	18938	2.20%	0.040%
341	21.518	21.485	21.537	VV	1267	37604	4.37%	0.079%
342	21.546	21.537	21.574	VV	1247	26317	3.06%	0.056%
343	21.592	21.574	21.604	VV	1161	19490	2.27%	0.041%
344	21.609	21.604	21.628	VV	1077	14417	1.68%	0.030%
345	21.634	21.628	21.664	VV	1037	21043	2.45%	0.044%
346	21.679	21.664	21.705	VV	1011	23445	2.73%	0.049%
347	21.714	21.705	21.724	VV	982	11074	1.29%	0.023%
348	21.769	21.724	21.806	VV	941	41797	4.86%	0.088%
349	21.859	21.806	21.884	VV	806	35785	4.16%	0.075%
350	21.912	21.884	21.942	VV	928	27391	3.19%	0.058%
351	21.951	21.942	21.976	VV	708	13257	1.54%	0.028%

Aliphatic EPH 071525.M Thu Jul 17 11:38:06 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILEDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FD049571.D	5	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.1		0.73	4.05	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.45		1.40	6.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.1		2.43	10.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	83.1		7.23	16.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	8.54		40 - 140	85%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	8.06		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	8.21		40 - 140	82%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-05DL	Acq On:	17 Jul 2025 10:23
Client Sample ID:	STOCK-PILEDL	Operator:	YP/AJ
Data file:	FD049571.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.430	6.172	3452513	25.059	200	ug/ml
Aromatic C12-C16	6.173	8.799	2490187	15.931	300	ug/ml
Aromatic C16-C21	8.800	13.090	8782066	54.451	500	ug/ml
Aromatic C21-C36	13.091	18.508	27932226	199.483	800	ug/ml
Aromatic EPH	4.430	18.508	42656992	294.925		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	1117865	8.54		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	747222	8.06		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	1346637	8.21		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049571.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 10:23
 Operator : YP/AJ
 Sample : Q2600-05DL 5X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 STOCK-PILEDL

Integration File: autoint1.e
 Quant Time: Jul 17 11:55:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.734	1117865	8.544 ug/ml
Spiked Amount 50.000		Recovery =	17.09%
6) S 2-Fluorobiphenyl (SURR)	8.599	747222	8.064 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	16.13%
11) S ortho-Terphenyl (SURR)	11.642	1346637	8.213 ug/ml
Spiked Amount 50.000		Recovery =	16.43%

Target Compounds

(f)=RT Delta > 1/2 Window

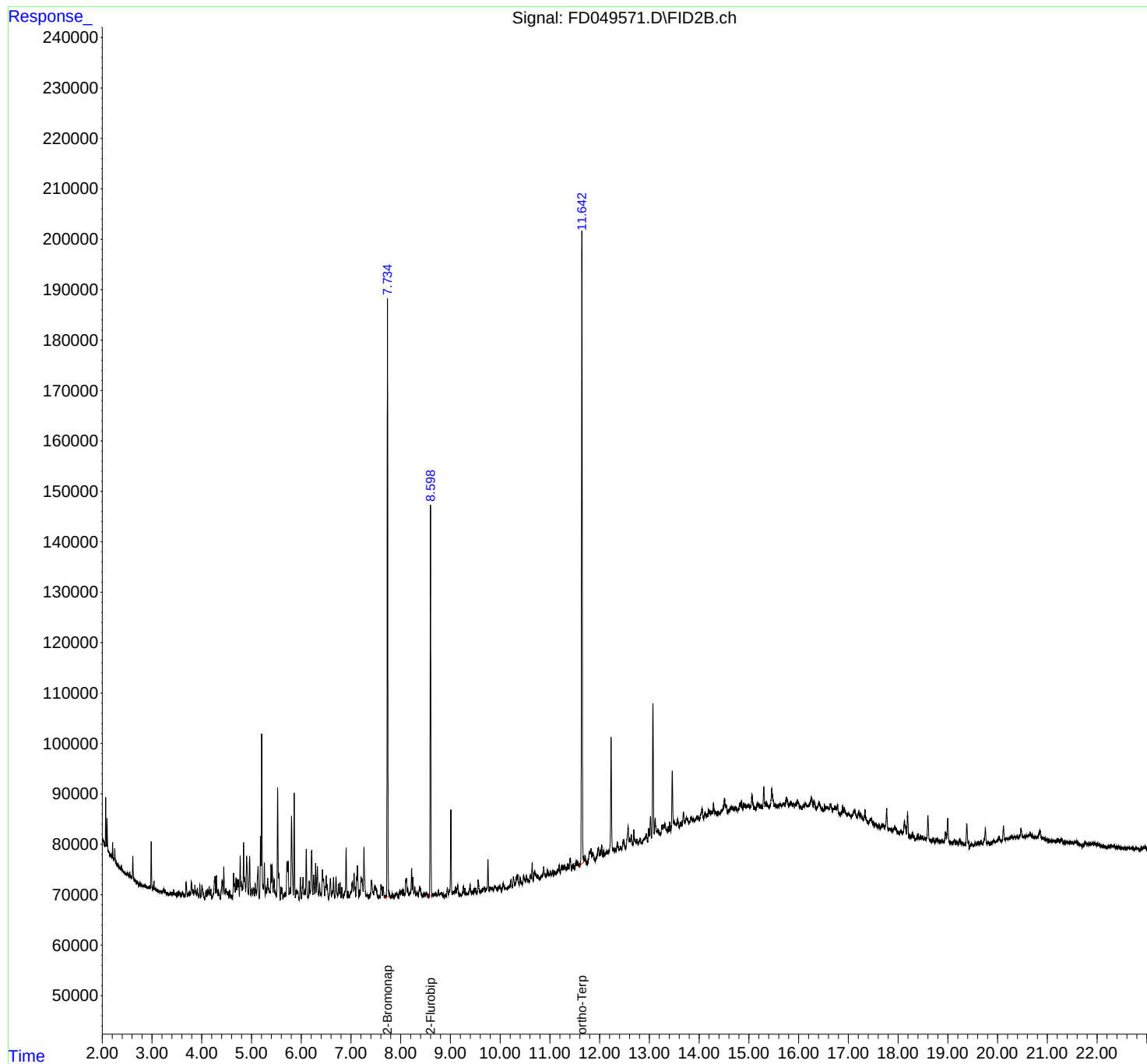
(m)=manual int.

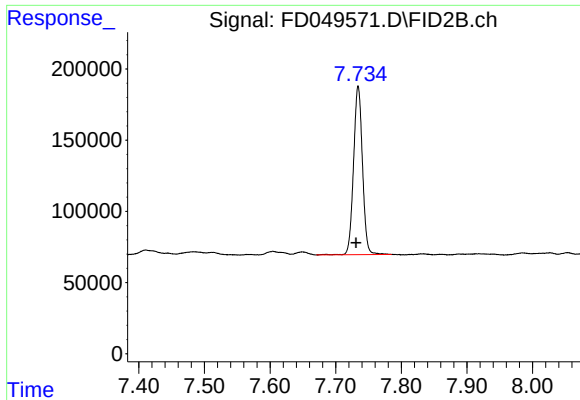
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
Data File : FD049571.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 10:23
Operator : YP/AJ
Sample : Q2600-05DL 5X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
STOCK-PILEDL

Integration File: autoint1.e
Quant Time: Jul 17 11:55:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

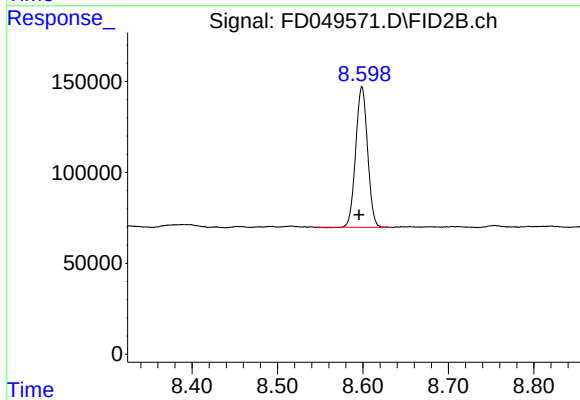




#4 2-Bromonaphthalene (SURR)

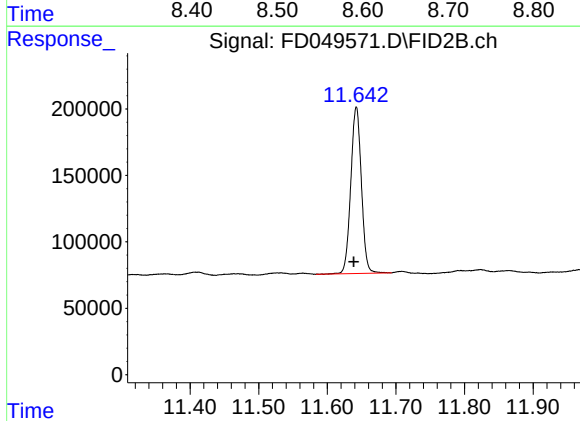
R.T.: 7.734 min
Delta R.T.: 0.003 min
Response: 1117865
Conc: 8.54 ug/ml

Instrument :
FID_D
ClientSampleId :
STOCK-PILEDL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: 0.003 min
Response: 747222
Conc: 8.06 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.004 min
Response: 1346637
Conc: 8.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049571.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 10:23
 Sample : Q2600-05DL 5X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.267	4.252	4.280	BV	2187	16789	1.07%	0.036%
2	4.295	4.280	4.322	PV	3702	37091	2.37%	0.080%
3	4.332	4.322	4.345	VV	1292	12170	0.78%	0.026%
4	4.351	4.345	4.372	VV	809	6269	0.40%	0.014%
5	4.412	4.372	4.428	PV	3827	66785	4.27%	0.144%
6	4.444	4.428	4.470	VV	6376	76892	4.92%	0.166%
7	4.487	4.470	4.521	VV	2082	43909	2.81%	0.095%
8	4.530	4.521	4.543	VV	1465	14258	0.91%	0.031%
9	4.559	4.543	4.587	VV	1710	25227	1.61%	0.054%
10	4.602	4.587	4.617	VV	811	9143	0.58%	0.020%
11	4.640	4.617	4.675	VV	5171	88981	5.69%	0.192%
12	4.689	4.675	4.702	VV	4245	46867	3.00%	0.101%
13	4.721	4.702	4.732	VV	3898	55249	3.53%	0.119%
14	4.741	4.732	4.756	VV	3802	36999	2.37%	0.080%
15	4.773	4.756	4.787	VV	8393	85549	5.47%	0.184%
16	4.795	4.787	4.808	VV	3150	32604	2.08%	0.070%
17	4.820	4.808	4.827	VV	2854	26012	1.66%	0.056%
18	4.841	4.827	4.854	VV	11235	108926	6.96%	0.235%
19	4.862	4.854	4.883	VV	4142	53289	3.41%	0.115%
20	4.903	4.883	4.942	VV	8421	143932	9.20%	0.310%
21	4.963	4.942	4.984	VV	8480	109511	7.00%	0.236%
22	4.989	4.984	4.991	VV	1012	4594	0.29%	0.010%
23	5.009	4.991	5.024	VV	2203	30283	1.94%	0.065%
24	5.038	5.024	5.062	VV	2325	38124	2.44%	0.082%
25	5.076	5.062	5.101	VV	3089	41775	2.67%	0.090%
26	5.132	5.101	5.158	VV	6588	102668	6.56%	0.221%
27	5.182	5.158	5.192	VV	12456	119801	7.66%	0.258%
28	5.205	5.192	5.228	VV	32822	318741	20.38%	0.687%
29	5.238	5.228	5.246	VV	2740	26479	1.69%	0.057%
30	5.260	5.246	5.276	VV	7238	71183	4.55%	0.154%
31	5.293	5.276	5.306	VV	2314	31741	2.03%	0.068%
32	5.326	5.306	5.340	VV	4170	55854	3.57%	0.120%
33	5.346	5.340	5.357	VV	2259	19289	1.23%	0.042%
34	5.363	5.357	5.375	VV	1756	16938	1.08%	0.037%
35	5.394	5.375	5.405	VV	6745	75416	4.82%	0.163%
36	5.416	5.405	5.434	VV	6871	77635	4.96%	0.167%

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37	5.455	5.434	5.502	VV	4025	79258	5.07%	0.171%
38	5.526	5.502	5.543	VV	22088	234184	14.97%	0.505%
39	5.550	5.543	5.578	VV	5271	57972	3.71%	0.125%
40	5.595	5.578	5.606	PV	2521	24295	1.55%	0.052%
41	5.615	5.606	5.633	VV	2235	20353	1.30%	0.044%
42	5.646	5.633	5.650	VV	871	5865	0.37%	0.013%
43	5.659	5.650	5.667	VV	945	9281	0.59%	0.020%
44	5.679	5.667	5.690	VV	1118	13010	0.83%	0.028%
45	5.713	5.690	5.729	VV	7434	108832	6.96%	0.235%
46	5.738	5.729	5.759	VV	7656	77566	4.96%	0.167%
47	5.774	5.759	5.784	VV	2467	26625	1.70%	0.057%
48	5.806	5.784	5.841	VV	16540	249335	15.94%	0.538%
49	5.859	5.841	5.882	VV	21182	202562	12.95%	0.437%
50	5.900	5.882	5.911	VV	1827	22323	1.43%	0.048%
51	5.924	5.911	5.955	VV	1773	29494	1.89%	0.064%
52	5.984	5.955	6.005	PV	4426	48641	3.11%	0.105%
53	6.036	6.005	6.055	VV	4485	66134	4.23%	0.143%
54	6.073	6.055	6.083	VV	1965	25034	1.60%	0.054%
55	6.102	6.083	6.136	VV	10017	115953	7.41%	0.250%
56	6.161	6.136	6.182	VV	3692	47927	3.06%	0.103%
57	6.211	6.182	6.234	VV	9840	156458	10.00%	0.337%
58	6.250	6.234	6.274	VV	4783	65514	4.19%	0.141%
59	6.289	6.274	6.304	VV	7156	70756	4.52%	0.153%
60	6.326	6.304	6.354	VV	6497	94484	6.04%	0.204%
61	6.370	6.354	6.400	VV	3123	43524	2.78%	0.094%
62	6.427	6.400	6.471	VV	5921	127195	8.13%	0.274%
63	6.503	6.471	6.515	VV	4600	68105	4.35%	0.147%
64	6.524	6.515	6.549	VV	2924	31267	2.00%	0.067%
65	6.587	6.549	6.607	VV	4118	64410	4.12%	0.139%
66	6.626	6.607	6.636	VV	1715	22944	1.47%	0.049%
67	6.650	6.636	6.672	VV	4339	46278	2.96%	0.100%
68	6.700	6.672	6.732	VV	4398	68887	4.40%	0.149%
69	6.752	6.732	6.767	VV	3044	37483	2.40%	0.081%
70	6.782	6.767	6.800	VV	3310	37676	2.41%	0.081%
71	6.819	6.800	6.841	VV	2271	29470	1.88%	0.064%
72	6.857	6.841	6.865	VV	952	9451	0.60%	0.020%
73	6.903	6.865	6.927	VV	9946	117541	7.51%	0.253%
74	6.941	6.927	6.962	VV	1454	18361	1.17%	0.040%
75	6.989	6.962	6.994	VV	1169	14741	0.94%	0.032%
76	7.025	6.994	7.045	VV	3308	66284	4.24%	0.143%
77	7.063	7.045	7.096	VV	4979	82071	5.25%	0.177%
78	7.131	7.096	7.160	VV	6557	123320	7.88%	0.266%
79	7.174	7.160	7.186	VV	1757	18008	1.15%	0.039%
80	7.204	7.186	7.214	VV	4412	50482	3.23%	0.109%
81	7.221	7.214	7.244	VV	3929	53989	3.45%	0.116%
82	7.262	7.244	7.305	VV	10019	145432	9.30%	0.314%
83	7.311	7.305	7.316	VV	677	4129	0.26%	0.009%
84	7.328	7.316	7.349	VV	764	9885	0.63%	0.021%
85	7.360	7.349	7.373	VV	662	5955	0.38%	0.013%
86	7.411	7.373	7.439	VV	3641	71779	4.59%	0.155%
87	7.444	7.439	7.457	VV	1440	12162	0.78%	0.026%
88	7.483	7.457	7.503	VV	2368	50190	3.21%	0.108%
89	7.512	7.503	7.554	VV	1883	26462	1.69%	0.057%

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90	7.565	7.554	7.583	VV	451	5219	0.33%	0.011%
91	7.604	7.583	7.632	VV	2671	45947	2.94%	0.099%
92	7.649	7.632	7.671	VV	2279	29670	1.90%	0.064%
93	7.685	7.671	7.693	VV	507	4828	0.31%	0.010%
94	7.701	7.693	7.709	VV	460	3605	0.23%	0.008%
95	7.734	7.709	7.805	VV	118825	1133419	72.46%	2.444%
96	7.831	7.805	7.850	VV	899	13568	0.87%	0.029%
97	7.860	7.850	7.871	VV	466	4765	0.30%	0.010%
98	7.888	7.871	7.897	VV	792	7633	0.49%	0.016%
99	7.918	7.897	7.958	VV	969	22045	1.41%	0.048%
100	7.985	7.958	7.998	VV	1473	20454	1.31%	0.044%
101	8.027	7.998	8.039	VV	1641	28208	1.80%	0.061%
102	8.053	8.039	8.066	VV	1637	18183	1.16%	0.039%
103	8.073	8.066	8.080	VV	734	5815	0.37%	0.013%
104	8.102	8.080	8.107	VV	3495	33869	2.17%	0.073%
105	8.115	8.107	8.132	VV	3876	40142	2.57%	0.087%
106	8.140	8.132	8.170	VV	1902	26390	1.69%	0.057%
107	8.178	8.170	8.186	VV	923	8187	0.52%	0.018%
108	8.194	8.186	8.198	VV	1150	7051	0.45%	0.015%
109	8.219	8.198	8.235	VV	5794	68014	4.35%	0.147%
110	8.246	8.235	8.263	VV	4006	40121	2.57%	0.087%
111	8.284	8.263	8.303	VV	1997	30067	1.92%	0.065%
112	8.327	8.303	8.355	VV	1181	22852	1.46%	0.049%
113	8.398	8.355	8.422	VV	1938	52426	3.35%	0.113%
114	8.428	8.422	8.439	VV	557	3897	0.25%	0.008%
115	8.454	8.439	8.469	VV	830	9584	0.61%	0.021%
116	8.479	8.469	8.483	VV	553	4316	0.28%	0.009%
117	8.492	8.483	8.501	VV	850	7401	0.47%	0.016%
118	8.516	8.501	8.565	VV	1107	21009	1.34%	0.045%
119	8.599	8.565	8.634	VV	77703	761454	48.68%	1.642%
120	8.655	8.634	8.668	VV	710	10984	0.70%	0.024%
121	8.680	8.668	8.694	VV	678	8128	0.52%	0.018%
122	8.705	8.694	8.734	VV	743	12628	0.81%	0.027%
123	8.754	8.734	8.782	VV	1336	21382	1.37%	0.046%
124	8.794	8.782	8.800	VV	891	7106	0.45%	0.015%
125	8.820	8.800	8.844	VV	910	17886	1.14%	0.039%
126	8.858	8.844	8.874	VV	729	7027	0.45%	0.015%
127	8.899	8.874	8.904	PV	498	5797	0.37%	0.013%
128	8.908	8.904	8.916	VV	509	2005	0.13%	0.004%
129	8.937	8.916	8.955	VV	1863	24421	1.56%	0.053%
130	8.972	8.955	8.981	VV	1200	13793	0.88%	0.030%
131	9.009	8.981	9.035	VV	17239	184523	11.80%	0.398%
132	9.039	9.035	9.045	VV	722	3854	0.25%	0.008%
133	9.058	9.045	9.071	VV	975	12525	0.80%	0.027%
134	9.082	9.071	9.087	VV	1053	8061	0.52%	0.017%
135	9.103	9.087	9.118	VV	1911	23478	1.50%	0.051%
136	9.144	9.118	9.180	VV	2242	42184	2.70%	0.091%
137	9.200	9.180	9.214	VV	399	4869	0.31%	0.011%
138	9.260	9.214	9.278	PV	1881	31018	1.98%	0.067%
139	9.292	9.278	9.331	VV	1428	19024	1.22%	0.041%
140	9.337	9.331	9.350	VV	439	2932	0.19%	0.006%
141	9.377	9.350	9.381	VV	940	9169	0.59%	0.020%

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142	9.395	9.381	9.427	VV	1981	30311	1.94%	0.065%
143	9.439	9.427	9.457	VV	634	8624	0.55%	0.019%
144	9.479	9.457	9.494	VV	1220	15825	1.01%	0.034%
145	9.505	9.494	9.530	VV	1298	14505	0.93%	0.031%
146	9.560	9.530	9.594	PV	2821	45007	2.88%	0.097%
147	9.597	9.594	9.615	VV	565	5009	0.32%	0.011%
148	9.631	9.615	9.647	VV	746	10225	0.65%	0.022%
149	9.663	9.647	9.672	VV	1006	12309	0.79%	0.027%
150	9.684	9.672	9.699	VV	1195	15213	0.97%	0.033%
151	9.755	9.699	9.780	VV	6642	91233	5.83%	0.197%
152	9.799	9.780	9.822	VV	1238	20113	1.29%	0.043%
153	9.832	9.822	9.849	VV	1078	13347	0.85%	0.029%
154	9.855	9.849	9.866	VV	648	5997	0.38%	0.013%
155	9.887	9.866	9.892	VV	1218	12987	0.83%	0.028%
156	9.896	9.892	9.952	VV	1143	28286	1.81%	0.061%
157	9.996	9.952	10.029	VV	1124	32479	2.08%	0.070%
158	10.060	10.029	10.088	VV	1605	34271	2.19%	0.074%
159	10.103	10.088	10.109	VV	691	7403	0.47%	0.016%
160	10.112	10.109	10.129	VV	662	6329	0.40%	0.014%
161	10.136	10.129	10.143	VV	563	3981	0.25%	0.009%
162	10.160	10.143	10.172	VV	790	10510	0.67%	0.023%
163	10.217	10.172	10.242	VV	1931	45944	2.94%	0.099%
164	10.267	10.242	10.297	VV	2672	50247	3.21%	0.108%
165	10.328	10.297	10.339	VV	2664	45922	2.94%	0.099%
166	10.353	10.339	10.383	VV	2990	53309	3.41%	0.115%
167	10.401	10.383	10.442	VV	2361	53108	3.40%	0.115%
168	10.469	10.442	10.506	VV	2670	68208	4.36%	0.147%
169	10.532	10.506	10.551	VV	2502	53166	3.40%	0.115%
170	10.557	10.551	10.585	VV	1651	30179	1.93%	0.065%
171	10.602	10.585	10.624	VV	2467	48131	3.08%	0.104%
172	10.644	10.624	10.662	VV	4929	69062	4.42%	0.149%
173	10.695	10.662	10.712	VV	3375	76584	4.90%	0.165%
174	10.718	10.712	10.736	VV	2577	34587	2.21%	0.075%
175	10.755	10.736	10.770	VV	2473	45599	2.92%	0.098%
176	10.777	10.770	10.799	VV	1936	29709	1.90%	0.064%
177	10.840	10.799	10.848	VV	2212	58863	3.76%	0.127%
178	10.874	10.848	10.924	VV	3936	119944	7.67%	0.259%
179	10.952	10.924	10.969	VV	3139	70046	4.48%	0.151%
180	10.975	10.969	10.980	VV	2411	16625	1.06%	0.036%
181	10.984	10.980	10.990	VV	2413	13501	0.86%	0.029%
182	11.016	10.990	11.035	VV	2844	64392	4.12%	0.139%
183	11.056	11.035	11.074	VV	2993	58429	3.74%	0.126%
184	11.093	11.074	11.112	VV	2763	55474	3.55%	0.120%
185	11.122	11.112	11.127	VV	2559	22292	1.43%	0.048%
186	11.131	11.127	11.139	VV	2534	17180	1.10%	0.037%
187	11.151	11.139	11.162	VV	2802	36976	2.36%	0.080%
188	11.186	11.162	11.209	VV	3945	88330	5.65%	0.190%
189	11.234	11.209	11.253	VV	3621	85419	5.46%	0.184%
190	11.268	11.253	11.284	VV	3620	63059	4.03%	0.136%
191	11.292	11.284	11.309	VV	3557	50412	3.22%	0.109%
192	11.323	11.309	11.336	VV	3314	50157	3.21%	0.108%
193	11.363	11.336	11.382	VV	3770	92735	5.93%	0.200%
194	11.412	11.382	11.439	VV	5027	130058	8.31%	0.280%

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195	11.470	11.439	11.498	VV	3812	115281	7.37%	0.249%
196	11.532	11.498	11.548	VV	4345	110690	7.08%	0.239%
197	11.564	11.548	11.595	VV	4067	101498	6.49%	0.219%
198	11.642	11.595	11.693	VV	129199	1564169	100.00%	3.373%
199	11.709	11.693	11.747	VV	5270	140111	8.96%	0.302%
200	11.795	11.747	11.802	VV	5839	148241	9.48%	0.320%
201	11.823	11.802	11.843	VV	6507	142262	9.10%	0.307%
202	11.865	11.843	11.887	VV	5680	135784	8.68%	0.293%
203	11.894	11.887	11.909	VV	4456	54525	3.49%	0.118%
204	11.975	11.909	11.996	VV	6569	265370	16.97%	0.572%
205	12.012	11.996	12.026	VV	5990	96785	6.19%	0.209%
206	12.040	12.026	12.062	VV	6997	122109	7.81%	0.263%
207	12.078	12.062	12.094	VV	5885	100433	6.42%	0.217%
208	12.118	12.094	12.127	VV	5385	103485	6.62%	0.223%
209	12.141	12.127	12.161	VV	5497	106295	6.80%	0.229%
210	12.178	12.161	12.191	VV	5636	99272	6.35%	0.214%
211	12.229	12.191	12.265	VV	28040	505832	32.34%	1.091%
212	12.282	12.265	12.296	VV	6034	105119	6.72%	0.227%
213	12.302	12.296	12.309	VV	5733	44773	2.86%	0.097%
214	12.324	12.309	12.336	VV	5923	91351	5.84%	0.197%
215	12.354	12.336	12.395	VV	7177	218953	14.00%	0.472%
216	12.423	12.395	12.443	VV	6171	170279	10.89%	0.367%
217	12.485	12.443	12.528	VV	7344	322805	20.64%	0.696%
218	12.571	12.528	12.596	VV	10022	321294	20.54%	0.693%
219	12.608	12.596	12.618	VV	7411	96901	6.20%	0.209%
220	12.635	12.618	12.668	VV	8268	214317	13.70%	0.462%
221	12.686	12.668	12.730	VV	9051	272411	17.42%	0.587%
222	12.750	12.730	12.777	VV	7256	191535	12.25%	0.413%
223	12.815	12.777	12.831	VV	7429	221610	14.17%	0.478%
224	12.838	12.831	12.844	VV	6578	50819	3.25%	0.110%
225	12.851	12.844	12.863	VV	6655	74292	4.75%	0.160%
226	12.909	12.863	12.919	VV	7443	237810	15.20%	0.513%
227	12.937	12.919	12.967	VV	8152	216960	13.87%	0.468%
228	12.984	12.967	12.999	VV	9180	153634	9.82%	0.331%
229	13.022	12.999	13.041	VV	11394	234605	15.00%	0.506%
230	13.071	13.041	13.098	VV	33867	560448	35.83%	1.209%
231	13.118	13.098	13.149	VV	11027	285537	18.25%	0.616%
232	13.170	13.149	13.202	VV	8795	265878	17.00%	0.573%
233	13.222	13.202	13.227	VV	7858	115702	7.40%	0.250%
234	13.251	13.227	13.268	VV	9469	216511	13.84%	0.467%
235	13.292	13.268	13.303	VV	9566	194206	12.42%	0.419%
236	13.318	13.303	13.365	VV	9695	326243	20.86%	0.704%
237	13.380	13.365	13.395	VV	9112	153605	9.82%	0.331%
238	13.409	13.395	13.430	VV	9972	191647	12.25%	0.413%
239	13.460	13.430	13.491	VV	20015	452948	28.96%	0.977%
240	13.496	13.491	13.504	VV	9834	76282	4.88%	0.165%
241	13.507	13.504	13.527	VV	9836	134013	8.57%	0.289%
242	13.535	13.527	13.544	VV	9469	92120	5.89%	0.199%
243	13.566	13.544	13.605	VV	10340	350010	22.38%	0.755%
244	13.622	13.605	13.639	VV	9516	183943	11.76%	0.397%
245	13.644	13.639	13.660	VV	9596	121036	7.74%	0.261%
246	13.685	13.660	13.716	VV	11662	343209	21.94%	0.740%

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247	13.741	13.716	13.763	VV	10408	284449	18.19%	0.613%
248	13.768	13.763	13.792	VV	10136	167455	10.71%	0.361%
249	13.809	13.792	13.817	VV	9624	140072	8.96%	0.302%
250	13.843	13.817	13.858	VV	10551	249698	15.96%	0.538%
251	13.865	13.858	13.890	VV	9933	188630	12.06%	0.407%
252	13.895	13.890	13.910	VV	9967	117040	7.48%	0.252%
253	13.957	13.910	13.970	VV	10592	359792	23.00%	0.776%
254	13.982	13.970	14.005	VV	10334	209229	13.38%	0.451%
255	14.011	14.005	14.015	VV	9981	60697	3.88%	0.131%
256	14.058	14.015	14.090	VV	11954	487545	31.17%	1.051%
257	14.121	14.090	14.147	VV	11101	360208	23.03%	0.777%
258	14.163	14.147	14.172	VV	10605	153316	9.80%	0.331%
259	14.192	14.172	14.203	VV	11554	209263	13.38%	0.451%
260	14.214	14.203	14.219	VV	11197	105648	6.75%	0.228%
261	14.222	14.219	14.238	VV	11183	122565	7.84%	0.264%
262	14.256	14.238	14.267	VV	11130	187979	12.02%	0.405%
263	14.289	14.267	14.314	VV	12718	326837	20.90%	0.705%
264	14.319	14.314	14.332	VV	10912	112569	7.20%	0.243%
265	14.337	14.332	14.368	VV	11020	228760	14.63%	0.493%
266	14.381	14.368	14.395	VV	10962	174981	11.19%	0.377%
267	14.453	14.395	14.465	VV	11228	450398	28.79%	0.971%
268	14.482	14.465	14.489	VV	11787	159398	10.19%	0.344%
269	14.509	14.489	14.529	VV	13275	296654	18.97%	0.640%
270	14.546	14.529	14.582	VV	12050	360032	23.02%	0.776%
271	14.591	14.582	14.597	VV	11043	98348	6.29%	0.212%
272	14.604	14.597	14.609	VV	11091	75647	4.84%	0.163%
273	14.649	14.609	14.655	VV	11518	310645	19.86%	0.670%
274	14.667	14.655	14.689	VV	11543	231409	14.79%	0.499%
275	14.694	14.689	14.699	VV	11094	62528	4.00%	0.135%
276	14.704	14.699	14.711	VV	11051	82477	5.27%	0.178%
277	14.724	14.711	14.755	VV	11547	294295	18.81%	0.635%
278	14.762	14.755	14.777	VV	10938	139853	8.94%	0.302%
279	14.784	14.777	14.799	VV	11009	141734	9.06%	0.306%
280	14.819	14.799	14.838	VV	12126	274599	17.56%	0.592%
281	14.855	14.838	14.877	VV	12576	271637	17.37%	0.586%
282	14.895	14.877	14.912	VV	12035	240209	15.36%	0.518%
283	14.929	14.912	14.938	VV	11557	175559	11.22%	0.379%
284	14.956	14.938	14.966	VV	11512	193235	12.35%	0.417%
285	14.989	14.966	15.012	VV	11673	312034	19.95%	0.673%
286	15.018	15.012	15.030	VV	11303	118038	7.55%	0.255%
287	15.037	15.030	15.041	VV	11087	77860	4.98%	0.168%
288	15.060	15.041	15.119	VV	13488	544778	34.83%	1.175%
289	15.131	15.119	15.147	VV	10851	181888	11.63%	0.392%
290	15.173	15.147	15.190	VV	11599	292073	18.67%	0.630%
291	15.193	15.190	15.237	VV	11456	305512	19.53%	0.659%
292	15.255	15.237	15.272	VV	11092	230729	14.75%	0.498%
293	15.300	15.272	15.323	VV	14724	378326	24.19%	0.816%
294	15.344	15.323	15.392	VV	11643	464171	29.68%	1.001%
295	15.398	15.392	15.405	VV	10872	83757	5.35%	0.181%
296	15.420	15.405	15.427	VV	11164	140887	9.01%	0.304%
297	15.459	15.427	15.509	VV	14078	596783	38.15%	1.287%
298	15.531	15.509	15.547	VV	11113	250136	15.99%	0.539%
299	15.559	15.547	15.577	VV	10602	192823	12.33%	0.416%

					rteres			
300	15.625	15.577	15.634	VV	11016	362012	23.14%	0.781%
301	15.638	15.634	15.647	VV	10930	87386	5.59%	0.188%
302	15.652	15.647	15.658	VV	10731	68391	4.37%	0.147%
303	15.669	15.658	15.676	VV	10817	117266	7.50%	0.253%
304	15.696	15.676	15.730	VV	11243	353160	22.58%	0.762%
305	15.758	15.730	15.817	VV	12211	583568	37.31%	1.259%
306	15.835	15.817	15.847	VV	11295	194934	12.46%	0.420%
307	15.855	15.847	15.882	VV	10937	222838	14.25%	0.481%
308	15.905	15.882	15.925	VV	10968	270917	17.32%	0.584%
309	15.937	15.925	15.943	VV	10767	112978	7.22%	0.244%
310	15.948	15.943	15.954	VV	10644	70140	4.48%	0.151%
311	15.980	15.954	16.019	VV	11357	419341	26.81%	0.904%
312	16.028	16.019	16.068	VV	10324	289818	18.53%	0.625%
313	16.110	16.068	16.117	VV	10367	296131	18.93%	0.639%
314	16.144	16.117	16.172	VV	10533	336636	21.52%	0.726%
315	16.179	16.172	16.194	VV	10011	129643	8.29%	0.280%
316	16.198	16.194	16.209	VV	10163	90384	5.78%	0.195%
317	16.254	16.209	16.290	VV	11625	520617	33.28%	1.123%
318	16.310	16.290	16.354	VV	11039	384897	24.61%	0.830%
319	16.408	16.354	16.461	VV	10592	618971	39.57%	1.335%
320	16.477	16.461	16.492	VV	9110	166926	10.67%	0.360%
321	16.511	16.492	16.517	VV	9019	130532	8.35%	0.282%
322	16.524	16.517	16.534	VV	9110	89842	5.74%	0.194%
323	16.553	16.534	16.570	VV	9464	198707	12.70%	0.429%
324	16.575	16.570	16.617	VV	9420	255942	16.36%	0.552%
325	16.634	16.617	16.638	VV	9820	123026	7.87%	0.265%
326	16.645	16.638	16.680	VV	9847	228099	14.58%	0.492%
327	16.691	16.680	16.700	VV	8884	107310	6.86%	0.231%
328	16.706	16.700	16.710	VV	8942	53763	3.44%	0.116%
329	16.723	16.710	16.741	VV	9364	164440	10.51%	0.355%
330	16.746	16.741	16.749	VV	8995	41751	2.67%	0.090%
331	16.785	16.749	16.813	VV	9403	333369	21.31%	0.719%
332	16.830	16.813	16.847	VV	7958	158636	10.14%	0.342%
333	16.885	16.847	16.903	VV	9149	275085	17.59%	0.593%
334	16.917	16.903	16.979	VV	8871	357330	22.84%	0.771%
335	17.013	16.979	17.052	VV	7484	319970	20.46%	0.690%
336	17.114	17.052	17.125	VV	7913	321818	20.57%	0.694%
337	17.132	17.125	17.177	VV	7950	222319	14.21%	0.479%
338	17.210	17.177	17.230	VV	7821	228141	14.59%	0.492%
339	17.246	17.230	17.273	VV	7372	176446	11.28%	0.381%
340	17.282	17.273	17.300	VV	6524	97664	6.24%	0.211%
341	17.335	17.300	17.405	VV	7841	387922	24.80%	0.837%
342	17.458	17.405	17.500	VV	6057	316116	20.21%	0.682%
343	17.511	17.500	17.530	VV	5173	86037	5.50%	0.186%
344	17.552	17.530	17.590	VV	5034	167240	10.69%	0.361%
345	17.615	17.590	17.650	VV	4759	153984	9.84%	0.332%
346	17.698	17.650	17.728	VV	4613	198625	12.70%	0.428%
347	17.771	17.728	17.810	VV	7604	236997	15.15%	0.511%
348	17.827	17.810	17.847	VV	3649	76848	4.91%	0.166%
349	17.855	17.847	17.875	VV	3575	57118	3.65%	0.123%
350	17.884	17.875	17.892	VV	3215	32096	2.05%	0.069%
351	17.928	17.892	17.996	VV	3993	205033	13.11%	0.442%

						rters		
352	18.012	17.996	18.020	VV	2607	35730	2.28%	0.077%
353	18.058	18.020	18.086	VV	2927	103771	6.63%	0.224%
354	18.127	18.086	18.169	VV	4787	165401	10.57%	0.357%
355	18.191	18.169	18.219	VV	6427	114436	7.32%	0.247%
356	18.230	18.219	18.252	VV	1851	31976	2.04%	0.069%
357	18.291	18.252	18.340	VV	2267	82017	5.24%	0.177%
358	18.398	18.340	18.429	VV	1857	63695	4.07%	0.137%
359	18.453	18.429	18.480	VV	1294	34649	2.22%	0.075%
360	18.495	18.480	18.521	VV	1191	23316	1.49%	0.050%
361	18.536	18.521	18.565	VV	1121	21333	1.36%	0.046%
362	18.600	18.565	18.647	VV	5369	89789	5.74%	0.194%
363	18.653	18.647	18.675	VV	270	3659	0.23%	0.008%
					Sum of corrected areas:		46369921	

Aromatic EPH 071525.M Thu Jul 17 12:03:40 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/17/25 11:07	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	151		10	1.64	11.7	mg/kg FC069482.D
Aliphatic C12-C16	Aliphatic C12-C16	11.3		1	0.13	0.78	mg/kg FC069467.D
Aliphatic C16-C21	Aliphatic C16-C21	50.2		10	1.52	11.7	mg/kg FC069482.D
Aliphatic C21-C28	Aliphatic C21-C28	166		10	6.21	15.6	mg/kg FC069482.D
Aliphatic C28-C40	Aliphatic C28-C40	97.7		10	13.8	23.4	mg/kg FC069482.D
Aromatic C10-C12	Aromatic C10-C12	46.5		5	0.70	3.91	mg/kg FD049572.D
Aromatic C12-C16	Aromatic C12-C16	10.2		1	0.27	1.17	mg/kg FD049557.D
Aromatic C16-C21	Aromatic C16-C21	23.6		1	0.47	1.95	mg/kg FD049557.D
Aromatic C21-C36	Aromatic C21-C36	70.5		5	6.97	15.6	mg/kg FD049572.D
Total AliphaticEPH	Total AliphaticEPH	476			23.3	63.2	mg/kg
Total AromaticEPH	Total AromaticEPH	151			8.41	22.6	mg/kg
Total EPH	Total EPH	627			31.7	85.8	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069467.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	139	E	0.16	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	11.3		0.13	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	56.1	E	0.15	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	176	E	0.62	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	98.7	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-09	Acq On:	16 Jul 2025 21:23
Client Sample ID:	END-OF-TRENCH	Operator:	YP/AJ
Data file:	FC069467.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	3.297	6.597	247495827	1780	300	ug/ml
Aliphatic C12-C16	6.598	10.000	20823558	144.534	200	ug/ml
Aliphatic C16-C21	10.001	13.371	97650484	718.034	300	ug/ml
Aliphatic C21-C28	13.372	17.037	268233887	2250	400	ug/ml
Aliphatic C28-C40	17.038	22.012	113572215	1260	600	ug/ml
Aliphatic EPH	3.297	22.012	747775971	6160		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	4591609	40.63		ug/ml
Aliphatic C9-C28	3.297	17.037	634203756	4900	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069467.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 21:23
 Operator : YP/AJ
 Sample : Q2600-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 END-OF-TRENCH

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 06:51:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.110	4591609	40.630 ug/mlm
Spiked Amount 50.000		Recovery =	81.26%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069467.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 21:23
Operator : YP/AJ
Sample : Q2600-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

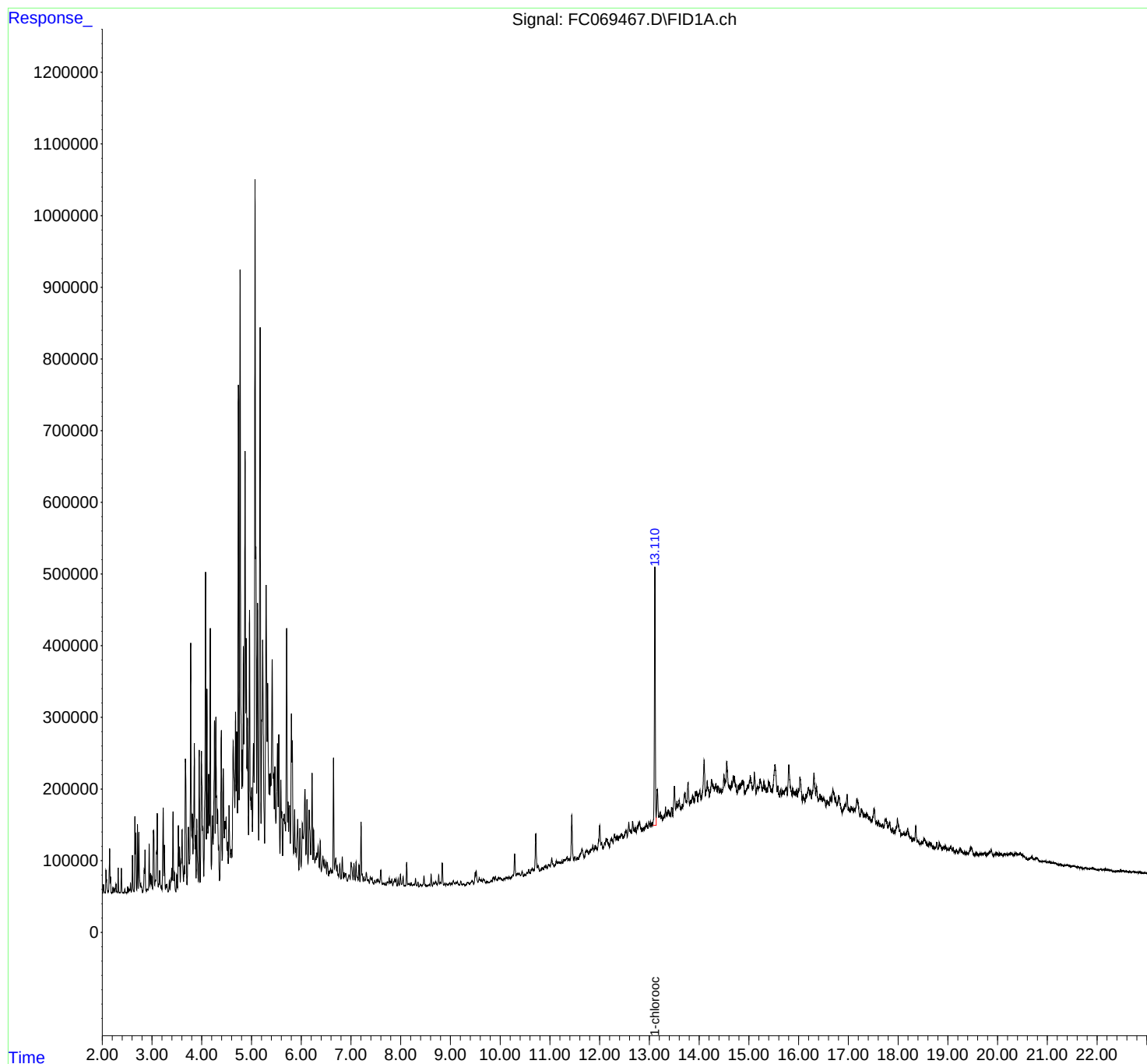
Instrument :
FID_C
ClientSampleId :
END-OF-TRENCH

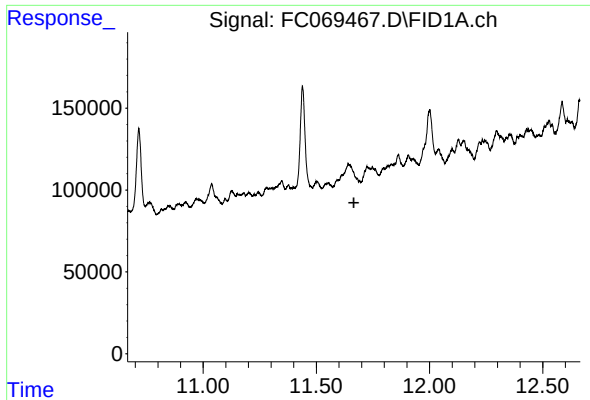
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 06:51:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





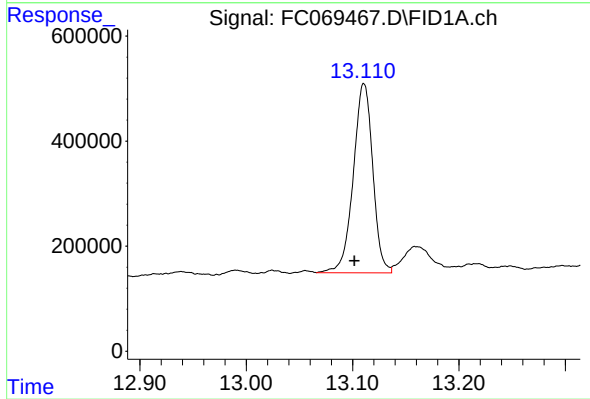
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.110 min
Delta R.T.: 0.008 min
Response: 4591609
Conc: 40.63 ug/ml m

rteres

Instrument :

FID_C

ClientSampleId :

END-OF-TRENCH

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07162
Data File : FC069467.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 21:23
Sample : Q2600-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.225	3.204	3.239	PV	98755	989115	6.45%	0.132%
2	3.250	3.239	3.270	PV	47464	345179	2.25%	0.046%
3	3.281	3.270	3.288	PV	6575	44493	0.29%	0.006%
4	3.298	3.288	3.323	VV	8879	95038	0.62%	0.013%
5	3.350	3.323	3.363	PV	15512	144793	0.94%	0.019%
6	3.398	3.363	3.407	VV	32954	471385	3.07%	0.063%
7	3.423	3.407	3.481	VV	111262	1410126	9.19%	0.188%
8	3.498	3.481	3.514	VV	23994	243526	1.59%	0.032%
9	3.531	3.514	3.544	VV	91976	910816	5.94%	0.121%
10	3.554	3.544	3.569	VV	63225	626881	4.09%	0.084%
11	3.605	3.569	3.634	VV	86292	1729833	11.27%	0.231%
12	3.674	3.634	3.704	VV	180588	3148648	20.52%	0.420%
13	3.732	3.704	3.751	VV	89741	1508695	9.83%	0.201%
14	3.779	3.751	3.801	VV	344970	4264513	27.79%	0.569%
15	3.812	3.801	3.824	VV	107794	1190310	7.76%	0.159%
16	3.851	3.824	3.887	VV	206358	3623449	23.62%	0.483%
17	3.901	3.887	3.931	VV	100757	1365071	8.90%	0.182%
18	3.950	3.931	3.968	VV	195684	1848500	12.05%	0.247%
19	3.995	3.968	4.041	VV	194295	4252574	27.72%	0.567%
20	4.077	4.041	4.092	VV	446106	5673313	36.97%	0.757%
21	4.105	4.092	4.124	VV	280733	3110143	20.27%	0.415%
22	4.139	4.124	4.153	VV	160376	2093855	13.65%	0.279%
23	4.172	4.153	4.194	VV	366067	4212811	27.46%	0.562%
24	4.214	4.194	4.229	VV	105087	1512683	9.86%	0.202%
25	4.257	4.229	4.270	VV	239090	3489709	22.74%	0.465%
26	4.285	4.270	4.312	VV	242192	3779776	24.63%	0.504%
27	4.320	4.312	4.359	VV	113720	1805123	11.76%	0.241%
28	4.393	4.359	4.412	VV	225677	3171261	20.67%	0.423%
29	4.433	4.412	4.454	VV	170345	2697267	17.58%	0.360%
30	4.468	4.454	4.480	VV	96760	1372563	8.95%	0.183%
31	4.489	4.480	4.510	VV	103558	1477471	9.63%	0.197%
32	4.519	4.510	4.532	VV	68151	747953	4.87%	0.100%
33	4.549	4.532	4.575	VV	119381	1903523	12.41%	0.254%
34	4.595	4.575	4.605	VV	57918	968608	6.31%	0.129%
35	4.632	4.605	4.664	VV	209081	4872335	31.75%	0.650%
36	4.680	4.664	4.692	VV	246423	3098359	20.19%	0.413%

					riteres			
37	4.704	4.692	4.717	VV	221445	2585525	16.85%	0.345%
38	4.736	4.717	4.751	VV	704864	7628332	49.00%	0.345%
39	4.770	4.751	4.805	VV	866985	12845235	83.00%	0.345%
40	4.814	4.805	4.822	VV	195475	1783829	11.00%	0.345%
41	4.836	4.822	4.847	VV	339604	3827170	24.00%	0.546%
42	4.871	4.847	4.884	VV	613757	8526030	55.00%	0.422%
43	4.894	4.884	4.909	VV	351006	4094806	26.69%	0.546%
44	4.918	4.909	4.940	VV	240527	3165342	20.63%	0.422%
45	4.960	4.940	4.991	VV	391278	5999070	39.10%	0.800%
46	5.004	4.991	5.019	VV	143629	1953456	12.73%	0.261%
47	5.039	5.019	5.051	VV	203633	3020419	19.68%	0.403%
48	5.072	5.051	5.105	VV	989482	15343767	100.00%	2.047%
49	5.121	5.105	5.144	VV	399448	5376348	35.04%	0.717%
50	5.173	5.144	5.192	VV	791720	10846838	70.69%	1.447%
51	5.225	5.192	5.263	VV	348392	8580127	55.92%	1.144%
52	5.294	5.263	5.314	VV	422122	7739309	50.44%	1.032%
53	5.325	5.314	5.351	VV	288574	4655756	30.34%	0.621%
54	5.360	5.351	5.371	VV	161838	1695181	11.05%	0.226%
55	5.382	5.371	5.391	VV	162348	1824601	11.89%	0.243%
56	5.416	5.391	5.458	VV	320362	7851185	51.17%	1.047%
57	5.470	5.458	5.490	VV	171521	2485115	16.20%	0.331%
58	5.522	5.490	5.536	VV	202814	3991019	26.01%	0.532%
59	5.549	5.536	5.572	VV	215541	2896109	18.87%	0.386%
60	5.590	5.572	5.626	VV	151810	3147375	20.51%	0.420%
61	5.657	5.626	5.683	VV	104862	3105940	20.24%	0.414%
62	5.707	5.683	5.746	VV	363383	6459216	42.10%	0.862%
63	5.763	5.746	5.781	VV	117707	2041365	13.30%	0.272%
64	5.803	5.781	5.848	VV	244298	5657107	36.87%	0.755%
65	5.867	5.848	5.900	VV	111255	2116912	13.80%	0.282%
66	5.928	5.900	5.953	VV	97665	2047510	13.34%	0.273%
67	5.974	5.953	5.998	VV	84833	1433237	9.34%	0.191%
68	6.022	5.998	6.045	VV	92162	1855530	12.09%	0.248%
69	6.075	6.045	6.096	VV	138408	2923525	19.05%	0.390%
70	6.116	6.096	6.136	VV	124314	1871068	12.19%	0.250%
71	6.160	6.136	6.191	VV	109953	2384975	15.54%	0.318%
72	6.219	6.191	6.237	VV	161919	2467704	16.08%	0.329%
73	6.250	6.237	6.276	VV	82036	1326301	8.64%	0.177%
74	6.314	6.276	6.325	VV	50011	1279309	8.34%	0.171%
75	6.339	6.325	6.363	VV	59307	1097746	7.15%	0.146%
76	6.382	6.363	6.405	VV	67415	1098316	7.16%	0.147%
77	6.436	6.405	6.450	VV	45356	958323	6.25%	0.128%
78	6.461	6.450	6.476	VV	39956	536717	3.50%	0.072%
79	6.496	6.476	6.510	VV	37762	655736	4.27%	0.087%
80	6.524	6.510	6.551	VV	36615	683118	4.45%	0.091%
81	6.565	6.551	6.574	VV	24286	312424	2.04%	0.042%
82	6.591	6.574	6.608	VV	28049	500893	3.26%	0.067%
83	6.650	6.608	6.671	VV	180450	2402006	15.65%	0.320%
84	6.694	6.671	6.712	VV	42480	871571	5.68%	0.116%
85	6.721	6.712	6.757	VV	31962	614467	4.00%	0.082%
86	6.775	6.757	6.801	VV	33868	614915	4.01%	0.082%
87	6.826	6.801	6.850	VV	43526	772780	5.04%	0.103%
88	6.862	6.850	6.876	VV	21941	283514	1.85%	0.038%
89	6.895	6.876	6.927	VV	20773	485377	3.16%	0.065%

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90	6.962	6.927	6.983	VV	18988	508570	3.31%	0.068%
91	7.004	6.983	7.042	VV	35672	859445		
92	7.060	7.042	7.084	VV	34140	540596		
93	7.103	7.084	7.143	VV	36275	702222		
94	7.162	7.143	7.180	VV	32484	435200		
95	7.204	7.180	7.247	VV	92384	1311830		
96	7.262	7.247	7.276	VV	15813	217196	1.42%	0.029%
97	7.285	7.276	7.290	VV	11621	96378	0.63%	0.013%
98	7.309	7.290	7.339	VV	21704	444574	2.90%	0.059%
99	7.352	7.339	7.369	VV	11553	172125	1.12%	0.023%
100	7.391	7.369	7.414	VV	14816	316540	2.06%	0.042%
101	7.424	7.414	7.459	VV	13983	251849	1.64%	0.034%
102	7.479	7.459	7.500	VV	10202	195933	1.28%	0.026%
103	7.517	7.500	7.531	VV	11016	164479	1.07%	0.022%
104	7.545	7.531	7.575	VV	12492	252664	1.65%	0.034%
105	7.600	7.575	7.630	VV	24599	423263	2.76%	0.056%
106	7.643	7.630	7.674	VV	5900	139246	0.91%	0.019%
107	7.688	7.674	7.706	VV	6769	95114	0.62%	0.013%
108	7.728	7.706	7.748	VV	7782	154069	1.00%	0.021%
109	7.768	7.748	7.783	VV	12964	190757	1.24%	0.025%
110	7.795	7.783	7.807	VV	8823	102849	0.67%	0.014%
111	7.821	7.807	7.840	VV	11539	149254	0.97%	0.020%
112	7.879	7.840	7.893	VV	11344	243683	1.59%	0.033%
113	7.905	7.893	7.927	VV	12037	148667	0.97%	0.020%
114	7.948	7.927	7.968	VV	11500	146086	0.95%	0.019%
115	7.994	7.968	8.018	VV	17842	258877	1.69%	0.035%
116	8.048	8.018	8.071	VV	14466	218779	1.43%	0.029%
117	8.083	8.071	8.095	VV	2323	29085	0.19%	0.004%
118	8.119	8.095	8.141	VV	34742	390866	2.55%	0.052%
119	8.151	8.141	8.164	VV	4158	53026	0.35%	0.007%
120	8.176	8.164	8.194	VV	4633	65322	0.43%	0.009%
121	8.210	8.194	8.231	VV	5958	81704	0.53%	0.011%
122	8.252	8.231	8.274	VV	3165	69010	0.45%	0.009%
123	8.298	8.274	8.326	VV	11719	161978	1.06%	0.022%
124	8.347	8.326	8.369	VV	6800	85276	0.56%	0.011%
125	8.394	8.369	8.427	PV	3702	67513	0.44%	0.009%
126	8.467	8.427	8.507	VV	14996	236792	1.54%	0.032%
127	8.520	8.507	8.537	VV	1584	18804	0.12%	0.003%
128	8.575	8.537	8.590	VV	3037	66350	0.43%	0.009%
129	8.612	8.590	8.637	VV	16719	190010	1.24%	0.025%
130	8.658	8.637	8.681	VV	6082	98471	0.64%	0.013%
131	8.701	8.681	8.734	VV	6786	145539	0.95%	0.019%
132	8.763	8.734	8.781	VV	16239	216318	1.41%	0.029%
133	8.795	8.781	8.811	VV	5795	87003	0.57%	0.012%
134	8.835	8.811	8.865	VV	32707	439645	2.87%	0.059%
135	8.887	8.865	8.903	VV	4684	63131	0.41%	0.008%
136	8.920	8.903	8.946	VV	3883	63940	0.42%	0.009%
137	8.985	8.946	9.003	VV	5183	104850	0.68%	0.014%
138	9.022	9.003	9.037	VV	4017	63924	0.42%	0.009%
139	9.057	9.037	9.086	VV	7370	146040	0.95%	0.019%
140	9.141	9.086	9.174	VV	5477	202849	1.32%	0.027%
141	9.208	9.174	9.236	VV	6683	125800	0.82%	0.017%

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142	9.257	9.236	9.294	VV	2859	64058	0.42%	0.009%
143	9.342	9.294	9.351	VV	4301	80005		
144	9.356	9.351	9.387	VV	4086	71674		
145	9.441	9.387	9.467	VV	6766	220463		
146	9.498	9.467	9.508	VV	17962	240547		
147	9.519	9.508	9.553	VV	20346	313973		
148	9.578	9.553	9.616	VV	10182	279315	1.82%	0.037%
149	9.628	9.616	9.643	VV	7251	105261	0.69%	0.014%
150	9.660	9.643	9.672	VV	9472	132751	0.87%	0.018%
151	9.681	9.672	9.708	VV	8229	129124	0.84%	0.017%
152	9.747	9.708	9.767	VV	5071	157981	1.03%	0.021%
153	9.820	9.767	9.835	VV	6725	206514	1.35%	0.028%
154	9.861	9.835	9.888	VV	10825	279910	1.82%	0.037%
155	9.904	9.888	9.926	VV	12225	211746	1.38%	0.028%
156	9.934	9.926	9.945	VV	7474	85326	0.56%	0.011%
157	9.966	9.945	9.981	VV	10058	186789	1.22%	0.025%
158	10.001	9.981	10.053	VV	10209	369779	2.41%	0.049%
159	10.078	10.053	10.092	VV	9309	192434	1.25%	0.026%
160	10.121	10.092	10.158	VV	9921	366280	2.39%	0.049%
161	10.179	10.158	10.198	VV	11734	239452	1.56%	0.032%
162	10.222	10.198	10.231	VV	10953	197538	1.29%	0.026%
163	10.252	10.231	10.262	VV	13656	222460	1.45%	0.030%
164	10.292	10.262	10.320	VV	42844	832666	5.43%	0.111%
165	10.341	10.320	10.359	VV	15259	341419	2.23%	0.046%
166	10.378	10.359	10.408	VV	15542	417275	2.72%	0.056%
167	10.441	10.408	10.468	VV	18560	539281	3.51%	0.072%
168	10.488	10.468	10.515	VV	13852	370163	2.41%	0.049%
169	10.544	10.515	10.555	VV	16692	361264	2.35%	0.048%
170	10.574	10.555	10.604	VV	20521	516204	3.36%	0.069%
171	10.644	10.604	10.662	VV	22892	684963	4.46%	0.091%
172	10.672	10.662	10.679	VV	20427	203881	1.33%	0.027%
173	10.716	10.679	10.745	VV	70059	1522614	9.92%	0.203%
174	10.763	10.745	10.795	VV	25469	680820	4.44%	0.091%
175	10.848	10.795	10.869	VV	22819	926616	6.04%	0.124%
176	10.892	10.869	10.904	VV	24008	494290	3.22%	0.066%
177	10.923	10.904	10.943	VV	25316	546713	3.56%	0.073%
178	10.971	10.943	11.008	VV	27118	987994	6.44%	0.132%
179	11.037	11.008	11.083	VV	36226	1309904	8.54%	0.175%
180	11.098	11.083	11.106	VV	27127	356075	2.32%	0.047%
181	11.127	11.106	11.164	VV	31941	1016007	6.62%	0.136%
182	11.179	11.164	11.218	VV	30627	956686	6.24%	0.128%
183	11.243	11.218	11.259	VV	30735	722439	4.71%	0.096%
184	11.347	11.259	11.363	VV	37732	2096879	13.67%	0.280%
185	11.376	11.363	11.394	VV	34839	623048	4.06%	0.083%
186	11.439	11.394	11.483	VV	95426	2653210	17.29%	0.354%
187	11.502	11.483	11.528	VV	37022	938652	6.12%	0.125%
188	11.553	11.528	11.572	VV	35995	933742	6.09%	0.125%
189	11.642	11.572	11.697	VV	47611	3011542	19.63%	0.402%
190	11.725	11.697	11.776	VV	45600	2042201	13.31%	0.272%
191	11.862	11.776	11.884	VV	52735	2973877	19.38%	0.397%
192	11.906	11.884	11.954	VV	52401	2075100	13.52%	0.277%
193	12.000	11.954	12.027	VV	79935	2690649	17.54%	0.359%
194	12.040	12.027	12.068	VV	55794	1304181	8.50%	0.174%

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195	12.100	12.068	12.110	VV	56046	1304987	8.50%	0.174%
196	12.128	12.110	12.138	VV	61657	996130		
197	12.151	12.138	12.197	VV	60849	1978342		
198	12.234	12.197	12.268	VV	61171	2444693		
199	12.297	12.268	12.330	VV	66437	2300221		
200	12.355	12.330	12.376	VV	63888	1713449		
201	12.401	12.376	12.413	VV	64125	1375082	8.96%	0.183%
202	12.432	12.413	12.441	VV	66810	1111820	7.25%	0.148%
203	12.447	12.441	12.468	VV	66619	1066439	6.95%	0.142%
204	12.482	12.468	12.491	VV	63941	870650	5.67%	0.116%
205	12.527	12.491	12.558	VV	72313	2722360	17.74%	0.363%
206	12.586	12.558	12.641	VV	83650	3641723	23.73%	0.486%
207	12.664	12.641	12.704	VV	84615	2874220	18.73%	0.383%
208	12.720	12.704	12.741	VV	75806	1589774	10.36%	0.212%
209	12.804	12.741	12.841	VV	84429	4653315	30.33%	0.621%
210	12.855	12.841	12.866	VV	74011	1111904	7.25%	0.148%
211	12.881	12.866	12.894	VV	74385	1232872	8.04%	0.164%
212	12.938	12.894	12.971	VV	81203	3531975	23.02%	0.471%
213	12.991	12.971	13.009	VV	83839	1834146	11.95%	0.245%
214	13.025	13.009	13.041	VV	83557	1541525	10.05%	0.206%
215	13.111	13.041	13.137	VV	439821	9123275	59.46%	1.217%
216	13.160	13.137	13.191	VV	128049	3520326	22.94%	0.470%
217	13.216	13.191	13.231	VV	95889	2215365	14.44%	0.296%
218	13.246	13.231	13.264	VV	91454	1777250	11.58%	0.237%
219	13.298	13.264	13.311	VV	92199	2511250	16.37%	0.335%
220	13.325	13.311	13.343	VV	103512	1889093	12.31%	0.252%
221	13.378	13.343	13.388	VV	99813	2575841	16.79%	0.344%
222	13.394	13.388	13.411	VV	98572	1270960	8.28%	0.170%
223	13.450	13.411	13.468	VV	103003	3313678	21.60%	0.442%
224	13.503	13.468	13.528	VV	132518	3987367	25.99%	0.532%
225	13.554	13.528	13.569	VV	111269	2611598	17.02%	0.348%
226	13.599	13.569	13.634	VV	112444	4149485	27.04%	0.553%
227	13.717	13.634	13.745	VV	123126	7301089	47.58%	0.974%
228	13.776	13.745	13.808	VV	136068	4568823	29.78%	0.609%
229	13.823	13.808	13.838	VV	112080	1919983	12.51%	0.256%
230	13.877	13.838	13.901	VV	118276	4316578	28.13%	0.576%
231	13.925	13.901	13.938	VV	124455	2629910	17.14%	0.351%
232	13.950	13.938	13.970	VV	125021	2314566	15.08%	0.309%
233	14.015	13.970	14.036	VV	126535	4740724	30.90%	0.632%
234	14.100	14.036	14.128	VV	168476	7321414	47.72%	0.977%
235	14.162	14.128	14.204	VV	138790	5868196	38.24%	0.783%
236	14.250	14.204	14.305	VV	140314	7833960	51.06%	1.045%
237	14.337	14.305	14.364	VV	135020	4577605	29.83%	0.611%
238	14.377	14.364	14.403	VV	131602	2982792	19.44%	0.398%
239	14.425	14.403	14.468	VV	125850	4798014	31.27%	0.640%
240	14.498	14.468	14.515	VV	146516	3857946	25.14%	0.515%
241	14.556	14.515	14.634	VV	165594	9920269	64.65%	1.323%
242	14.654	14.634	14.664	VV	136746	2377911	15.50%	0.317%
243	14.686	14.664	14.766	VV	145045	8182617	53.33%	1.091%
244	14.790	14.766	14.803	VV	130413	2816841	18.36%	0.376%
245	14.815	14.803	14.827	VV	132750	1913524	12.47%	0.255%
246	14.870	14.827	14.884	VV	138468	4583485	29.87%	0.611%

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							Instrument : FID_C ClientSampleId : END-OF-TRENCH	
rteres							Manual Integrat	
247	14.889	14.884	14.923	VV	136034	3003248	19.57%	0.401%
248	14.982	14.923	14.990	VV	131657	5079752	33.44%	0.368%
249	15.027	14.990	15.074	VV	143199	6790851	44.35%	0.368%
250	15.110	15.074	15.143	VV	149150	5483671	35.44%	0.368%
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251	15.174	15.143	15.197	VV	130147	4109267	26.44%	0.368%
252	15.230	15.197	15.271	VV	139591	5869981	38.44%	0.368%
253	15.299	15.271	15.321	VV	135986	3881491	25.30%	0.518%
254	15.328	15.321	15.351	VV	130457	2266957	14.77%	0.302%
255	15.395	15.351	15.464	VV	136655	8665272	56.47%	1.156%
256	15.526	15.464	15.568	VV	159637	8721868	56.84%	1.163%
257	15.585	15.568	15.617	VV	129517	3578726	23.32%	0.477%
258	15.639	15.617	15.654	VV	124570	2655694	17.31%	0.354%
259	15.671	15.654	15.682	VV	122601	2024470	13.19%	0.270%
260	15.755	15.682	15.774	VV	127239	6749116	43.99%	0.900%
261	15.803	15.774	15.866	VV	157991	7367720	48.02%	0.983%
262	15.880	15.866	15.918	VV	125376	3721274	24.25%	0.496%
263	15.925	15.918	15.938	VV	120216	1429579	9.32%	0.191%
264	15.958	15.938	15.976	VV	124169	2755363	17.96%	0.368%
265	16.027	15.976	16.076	VV	139986	7409275	48.29%	0.988%
266	16.092	16.076	16.130	VV	117439	3598350	23.45%	0.480%
267	16.152	16.130	16.165	VV	117589	2402777	15.66%	0.321%
268	16.199	16.165	16.221	VV	126359	4095505	26.69%	0.546%
269	16.231	16.221	16.260	VV	122469	2756545	17.97%	0.368%
270	16.308	16.260	16.345	VV	146899	6477595	42.22%	0.864%
271	16.361	16.345	16.405	VV	128216	4223669	27.53%	0.563%
272	16.431	16.405	16.451	VV	117141	3079673	20.07%	0.411%
273	16.457	16.451	16.478	VV	112667	1768732	11.53%	0.236%
274	16.494	16.478	16.551	VV	111476	4729811	30.83%	0.631%
275	16.577	16.551	16.590	VV	108215	2458966	16.03%	0.328%
276	16.603	16.590	16.615	VV	106860	1536705	10.02%	0.205%
277	16.629	16.615	16.643	VV	112499	1866034	12.16%	0.249%
278	16.655	16.643	16.669	VV	113441	1662963	10.84%	0.222%
279	16.689	16.669	16.736	VV	122481	4683118	30.52%	0.625%
280	16.748	16.736	16.772	VV	111540	2286496	14.90%	0.305%
281	16.807	16.772	16.877	VV	113575	6460349	42.10%	0.862%
282	16.931	16.877	16.951	VV	102068	4313263	28.11%	0.575%
283	16.976	16.951	17.001	VV	115666	3161471	20.60%	0.422%
284	17.007	17.001	17.028	VV	96285	1511664	9.85%	0.202%
285	17.034	17.028	17.043	VV	94000	861450	5.61%	0.115%
286	17.060	17.043	17.109	VV	97916	3750056	24.44%	0.500%
287	17.126	17.109	17.138	VV	96361	1656017	10.79%	0.221%
288	17.171	17.138	17.233	VV	109697	5637423	36.74%	0.752%
289	17.260	17.233	17.299	VV	95534	3553979	23.16%	0.474%
290	17.312	17.299	17.327	VV	88539	1447441	9.43%	0.193%
291	17.346	17.327	17.357	VV	86844	1534528	10.00%	0.205%
292	17.372	17.357	17.409	VV	88434	2639861	17.20%	0.352%
293	17.426	17.409	17.457	VV	84050	2342874	15.27%	0.313%
294	17.515	17.457	17.558	VV	95379	5054621	32.94%	0.674%
295	17.565	17.558	17.588	VV	78021	1376823	8.97%	0.184%
296	17.606	17.588	17.624	VV	77380	1619225	10.55%	0.216%
297	17.634	17.624	17.670	VV	74224	1947854	12.69%	0.260%
298	17.688	17.670	17.704	VV	73901	1475204	9.61%	0.197%
299	17.739	17.704	17.751	VV	78765	2064927	13.46%	0.275%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

						Instrument : FID_C		
						ClientSampleId : END-OF-TRENCH		
rteres								
300	17.757	17.751	17.793	VV	79153	1879947	12.25%	0.251%
Manual IntegrationsAPPROVED								
301	17.833	17.793	17.873	VV	76424	3371092	21.76%	0.261%
302	17.892	17.873	17.908	VV	67778	1318014	8.49%	0.112%
303	17.925	17.908	17.938	VV	63137	1115782	7.01%	0.348%
304	17.987	17.938	18.058	VV	80352	4861018	31.67%	0.137%
305	18.082	18.058	18.094	VV	59423	1279696	8.94%	0.633%
306	18.115	18.094	18.149	VV	61137	1957175	12.76%	0.261%
307	18.165	18.149	18.173	VV	60388	842086	5.49%	0.112%
308	18.192	18.173	18.247	VV	66714	2610228	17.01%	0.348%
309	18.259	18.247	18.280	VV	53799	1023661	6.67%	0.137%
310	18.354	18.280	18.431	VV	70053	4747279	30.94%	0.633%
311	18.462	18.431	18.500	VV	46708	1897811	12.37%	0.253%
312	18.518	18.500	18.571	VV	50723	2052373	13.38%	0.274%
313	18.581	18.571	18.601	VV	45198	770119	5.02%	0.103%
314	18.627	18.601	18.642	VV	45484	1081870	7.05%	0.144%
315	18.654	18.642	18.711	VV	46591	1735463	11.31%	0.231%
316	18.716	18.711	18.744	VV	40320	766546	5.00%	0.102%
317	18.777	18.744	18.808	VV	45834	1562005	10.18%	0.208%
318	18.827	18.808	18.889	VV	46111	1992003	12.98%	0.266%
319	18.926	18.889	18.942	VV	40097	1216218	7.93%	0.162%
320	18.953	18.942	18.974	VV	40068	739288	4.82%	0.099%
321	18.989	18.974	19.011	VV	36971	798259	5.20%	0.106%
322	19.063	19.011	19.084	VV	40403	1630929	10.63%	0.218%
323	19.106	19.084	19.126	VV	38773	894562	5.83%	0.119%
324	19.133	19.126	19.147	VV	32819	406987	2.65%	0.054%
325	19.177	19.147	19.201	VV	34596	1059008	6.90%	0.141%
326	19.248	19.201	19.309	VV	38008	2158747	14.07%	0.288%
327	19.340	19.309	19.354	VV	31310	819136	5.34%	0.109%
328	19.381	19.354	19.414	VV	30916	1070282	6.98%	0.143%
329	19.471	19.414	19.534	VV	37658	2362339	15.40%	0.315%
330	19.548	19.534	19.558	VV	28169	390796	2.55%	0.052%
331	19.583	19.558	19.611	VV	30388	915084	5.96%	0.122%
332	19.632	19.611	19.641	VV	29146	504265	3.29%	0.067%
333	19.653	19.641	19.679	VV	29238	664351	4.33%	0.089%
334	19.690	19.679	19.708	VV	29812	496933	3.24%	0.066%
335	19.748	19.708	19.774	VV	29670	1132032	7.38%	0.151%
336	19.842	19.774	19.850	VV	31066	1319845	8.60%	0.176%
337	19.872	19.850	19.924	VV	33541	1314873	8.57%	0.175%
338	19.970	19.924	20.021	VV	29219	1620283	10.56%	0.216%
339	20.033	20.021	20.047	VV	29179	417022	2.72%	0.056%
340	20.057	20.047	20.101	VV	28496	883142	5.76%	0.118%
341	20.147	20.101	20.159	VV	28526	948408	6.18%	0.127%
342	20.188	20.159	20.201	VV	28076	680888	4.44%	0.091%
343	20.228	20.201	20.240	VV	28460	636582	4.15%	0.085%
344	20.272	20.240	20.308	VV	29019	1141205	7.44%	0.152%
345	20.341	20.308	20.350	VV	28021	684276	4.46%	0.091%
346	20.376	20.350	20.392	VV	28948	699856	4.56%	0.093%
347	20.401	20.392	20.410	VV	27212	293974	1.92%	0.039%
348	20.421	20.410	20.436	VV	28093	427498	2.79%	0.057%
349	20.451	20.436	20.481	VV	28514	743553	4.85%	0.099%
350	20.493	20.481	20.518	VV	27054	561315	3.66%	0.075%
351	20.530	20.518	20.574	VV	24538	769418	5.01%	0.103%

rteres									
352	20.584	20.574	20.610	VV	21455	441360	2.88%	0.059%	
353	20.628	20.610	20.643	VV	21626	401064			
354	20.691	20.643	20.757	VV	24682	1454855			
355	20.776	20.757	20.858	VV	21478	1168562			
356	20.873	20.858	20.891	VV	16957	326592			
357	20.909	20.891	20.921	VV	16481	292786			
358	20.952	20.921	20.981	VV	16920	581595	3.79%	0.078%	
359	21.014	20.981	21.030	VV	16247	454994	2.97%	0.061%	
360	21.047	21.030	21.076	VV	16461	409092	2.67%	0.055%	
361	21.123	21.076	21.141	VV	14860	544832	3.55%	0.073%	
362	21.157	21.141	21.168	VV	13909	214835	1.40%	0.029%	
363	21.175	21.168	21.218	VV	13138	368089	2.40%	0.049%	
364	21.233	21.218	21.244	VV	11272	177472	1.16%	0.024%	
365	21.257	21.244	21.321	VV	11747	499650	3.26%	0.067%	
366	21.344	21.321	21.361	VV	10324	241054	1.57%	0.032%	
367	21.401	21.361	21.471	VV	10817	656364	4.28%	0.088%	
368	21.482	21.471	21.491	VV	8802	102351	0.67%	0.014%	
369	21.509	21.491	21.538	VV	9560	256596	1.67%	0.034%	
370	21.554	21.538	21.606	VV	8862	323049	2.11%	0.043%	
371	21.630	21.606	21.657	VV	7718	216964	1.41%	0.029%	
372	21.680	21.657	21.709	VV	6977	201678	1.31%	0.027%	
373	21.718	21.709	21.734	VV	6138	87863	0.57%	0.012%	
374	21.761	21.734	21.792	VV	6727	201790	1.32%	0.027%	
375	21.811	21.792	21.848	VV	5435	163155	1.06%	0.022%	
376	21.865	21.848	21.884	VV	5230	105915	0.69%	0.014%	
377	21.911	21.884	21.977	VV	5517	258002	1.68%	0.034%	
378	21.985	21.977	22.004	VV	3904	55301	0.36%	0.007%	
379	22.023	22.004	22.036	VV	3649	61095	0.40%	0.008%	
380	22.072	22.036	22.104	VV	4655	145215	0.95%	0.019%	
381	22.115	22.104	22.127	VV	3552	42966	0.28%	0.006%	
382	22.137	22.127	22.151	VV	3518	42156	0.27%	0.006%	
383	22.170	22.151	22.203	VV	3513	97150	0.63%	0.013%	
384	22.213	22.203	22.336	VV	3325	143283	0.93%	0.019%	
385	22.347	22.336	22.364	VV	575	4464	0.03%	0.001%	

Sum of corrected areas: 749691091

Aliphatic EPH 071525.M Thu Jul 17 08:04:24 2025

Instrument :

FID_C

ClientSampleId :

END-OF-TRENCH

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049557.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	39.8	E	0.14	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.2		0.27	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	23.6		0.47	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	66.8	E	1.39	3.13	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.9		40 - 140	84%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.6		40 - 140	73%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-09	Acq On:	16 Jul 2025 21:23
Client Sample ID:	END-OF-TRENCH	Operator:	YP/AJ
Data file:	FD049557.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.425	6.169	70165615	509.281	200	ug/ml
Aromatic C12-C16	6.170	8.797	20497450	131.135	300	ug/ml
Aromatic C16-C21	8.798	13.086	48733879	302.163	500	ug/ml
Aromatic C21-C36	13.087	18.506	119612273	854.234	800	ug/ml
Aromatic EPH	4.425	18.506	259009217	1800		ug/ml
2-Fluorobiphenyl (SURR)	8.602	8.602	3611885	38.98		ug/ml
2-Bromonaphthalene (SURR)	7.737	7.737	5483601	41.91		ug/ml
ortho-Terphenyl (SURR)	11.647	11.647	6004694	36.62		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049557.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 21:23
 Operator : YP/AJ
 Sample : Q2600-09
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 END-OF-TRENCH

Integration File: sample.E
 Quant Time: Jul 17 07:18:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.737	5483601	41.912 ug/ml
Spiked Amount 50.000		Recovery =	83.82%
6) S 2-Fluorobiphenyl (SURR)	8.602	3611885	38.979 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	77.96%
11) S ortho-Terphenyl (SURR)	11.647	6004694	36.621 ug/ml
Spiked Amount 50.000		Recovery =	73.24%

Target Compounds

(f)=RT Delta > 1/2 Window

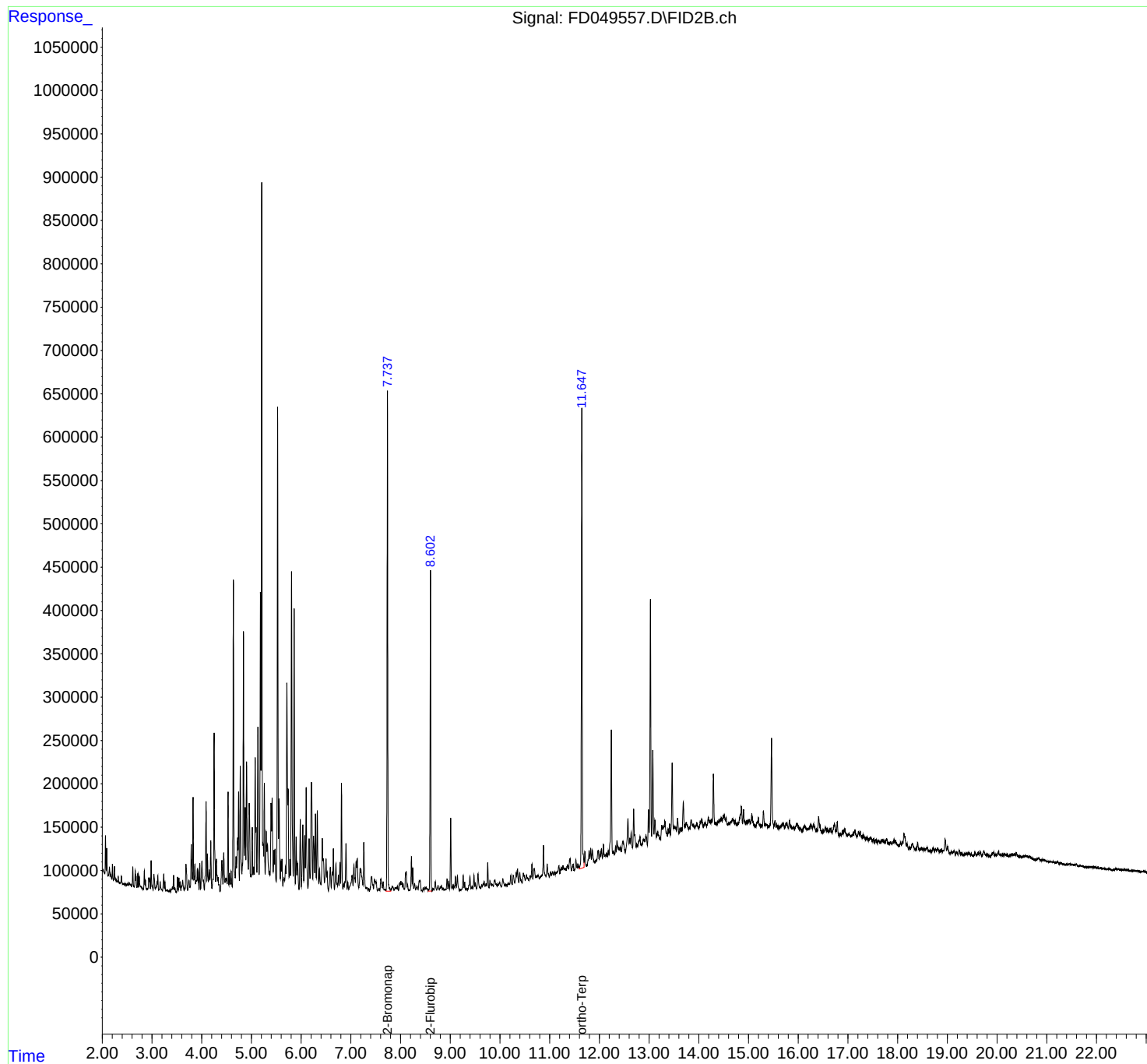
(m)=manual int.

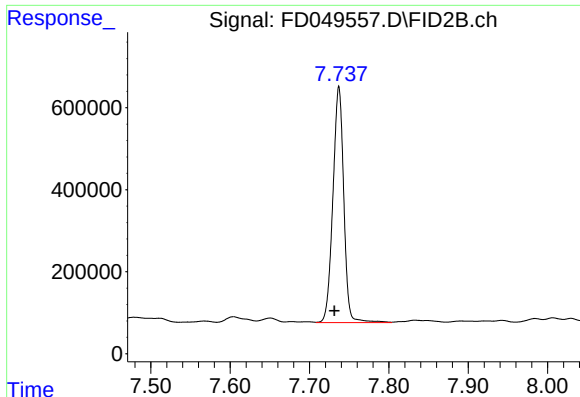
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049557.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 21:23
Operator : YP/AJ
Sample : Q2600-09
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
END-OF-TRENCH

Integration File: sample.E
Quant Time: Jul 17 07:18:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

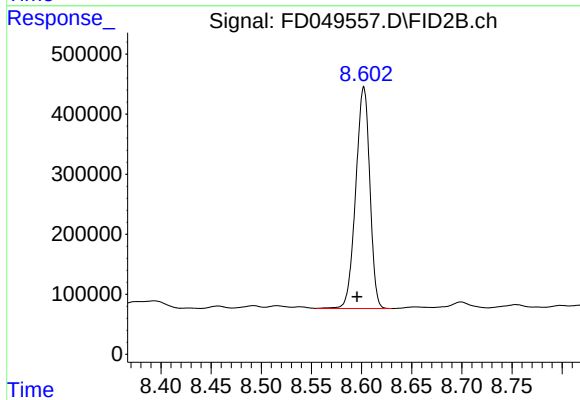




#4 2-Bromonaphthalene (SURR)

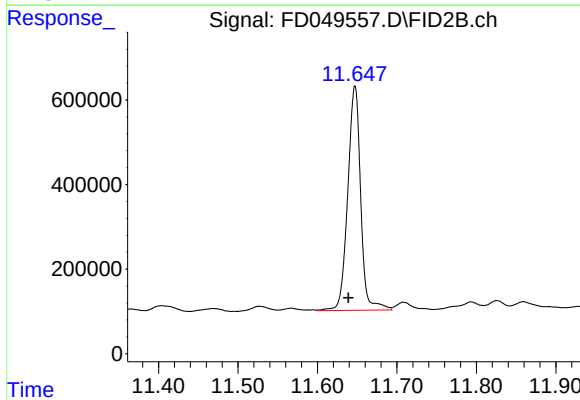
R.T.: 7.737 min
Delta R.T.: 0.006 min
Response: 5483601
Conc: 41.91 ug/ml

Instrument :
FID_D
ClientSampleId :
END-OF-TRENCH



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.602 min
Delta R.T.: 0.007 min
Response: 3611885
Conc: 38.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.647 min
Delta R.T.: 0.008 min
Response: 6004694
Conc: 36.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049557.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 21:23
Sample : Q2600-09
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.331	4.322	4.345	PV	6450	47535	0.58%	0.017%
2	4.351	4.345	4.367	VV	3874	23769	0.29%	0.009%
3	4.406	4.367	4.427	PV	36201	571978	6.94%	0.208%
4	4.444	4.427	4.468	VV	45085	589648	7.15%	0.214%
5	4.484	4.468	4.493	VV	14880	203120	2.46%	0.074%
6	4.501	4.493	4.513	VV	15364	155883	1.89%	0.057%
7	4.530	4.513	4.547	VV	114783	1025986	12.45%	0.372%
8	4.559	4.547	4.578	VV	21327	261862	3.18%	0.095%
9	4.592	4.578	4.615	VV	23629	295951	3.59%	0.107%
10	4.637	4.615	4.674	VV	359314	3547784	43.04%	1.288%
11	4.690	4.674	4.701	VV	40534	471774	5.72%	0.171%
12	4.722	4.701	4.730	VV	62159	795378	9.65%	0.289%
13	4.742	4.730	4.758	VV	115072	1134626	13.76%	0.412%
14	4.776	4.758	4.809	VV	144437	1885584	22.87%	0.684%
15	4.841	4.809	4.857	VV	299857	3074998	37.30%	1.116%
16	4.875	4.857	4.888	VV	97168	1204660	14.61%	0.437%
17	4.903	4.888	4.937	VV	149688	2123477	25.76%	0.771%
18	4.956	4.937	4.982	VV	101818	1555807	18.87%	0.565%
19	4.989	4.982	4.998	VV	19037	176117	2.14%	0.064%
20	5.017	4.998	5.032	VV	74082	846600	10.27%	0.307%
21	5.044	5.032	5.058	VV	28225	383923	4.66%	0.139%
22	5.076	5.058	5.089	VV	154860	1665489	20.20%	0.605%
23	5.094	5.089	5.110	VV	74238	675764	8.20%	0.245%
24	5.131	5.110	5.156	VV	190017	2443214	29.64%	0.887%
25	5.182	5.156	5.193	VV	345559	3642744	44.19%	1.322%
26	5.207	5.193	5.247	VV	817374	8243655	100.00%	2.992%
27	5.260	5.247	5.276	VV	124985	1213830	14.72%	0.441%
28	5.297	5.276	5.312	VV	69427	1039339	12.61%	0.377%
29	5.324	5.312	5.356	VV	54460	1009651	12.25%	0.366%
30	5.364	5.356	5.374	VV	23360	237136	2.88%	0.086%
31	5.395	5.374	5.406	VV	102121	1170824	14.20%	0.425%
32	5.417	5.406	5.439	VV	108027	1324639	16.07%	0.481%
33	5.456	5.439	5.466	VV	47545	596106	7.23%	0.216%
34	5.476	5.466	5.498	VV	49125	556822	6.75%	0.202%
35	5.527	5.498	5.545	VV	556632	5592915	67.85%	2.030%
36	5.557	5.545	5.581	VV	106793	1318393	15.99%	0.479%

rteres								
37	5.595	5.581	5.605	VV	34913	379080	4.60%	0.138%
38	5.615	5.605	5.632	VV	37439	386584	4.69%	0.140%
39	5.660	5.632	5.670	VV	15090	284435	3.45%	0.103%
40	5.685	5.670	5.694	VV	28515	311218	3.78%	0.113%
41	5.714	5.694	5.731	VV	240334	2974484	36.08%	1.080%
42	5.738	5.731	5.758	VV	118608	1129708	13.70%	0.410%
43	5.774	5.758	5.786	VV	37280	431590	5.24%	0.157%
44	5.808	5.786	5.841	VV	369121	4559651	55.31%	1.655%
45	5.860	5.841	5.883	VV	326530	3136981	38.05%	1.139%
46	5.901	5.883	5.915	VV	63272	656132	7.96%	0.238%
47	5.928	5.915	5.958	VV	32709	492257	5.97%	0.179%
48	5.983	5.958	6.003	VV	83269	926505	11.24%	0.336%
49	6.035	6.003	6.054	VV	76866	1124279	13.64%	0.408%
50	6.073	6.054	6.086	VV	64528	766413	9.30%	0.278%
51	6.103	6.086	6.137	VV	120218	1475978	17.90%	0.536%
52	6.161	6.137	6.178	VV	61107	666621	8.09%	0.242%
53	6.207	6.178	6.235	VV	125936	2247409	27.26%	0.816%
54	6.251	6.235	6.274	VV	63619	1006812	12.21%	0.365%
55	6.290	6.274	6.305	VV	89522	943157	11.44%	0.342%
56	6.327	6.305	6.357	VV	93007	1241852	15.06%	0.451%
57	6.371	6.357	6.398	VV	26399	369759	4.49%	0.134%
58	6.427	6.398	6.439	VV	61184	776094	9.41%	0.282%
59	6.444	6.439	6.471	VV	37645	523008	6.34%	0.190%
60	6.502	6.471	6.515	VV	37718	586470	7.11%	0.213%
61	6.523	6.515	6.549	VV	22898	240236	2.91%	0.087%
62	6.588	6.549	6.606	VV	27713	440778	5.35%	0.160%
63	6.629	6.606	6.637	VV	22364	293421	3.56%	0.107%
64	6.650	6.637	6.671	VV	49475	519542	6.30%	0.189%
65	6.701	6.671	6.717	VV	32074	429232	5.21%	0.156%
66	6.723	6.717	6.733	VV	9455	78661	0.95%	0.029%
67	6.752	6.733	6.765	VV	18706	225473	2.74%	0.082%
68	6.783	6.765	6.797	VV	33847	381283	4.63%	0.138%
69	6.813	6.797	6.841	VV	124315	1253994	15.21%	0.455%
70	6.856	6.841	6.867	VV	8646	93339	1.13%	0.034%
71	6.904	6.867	6.926	VV	55305	708211	8.59%	0.257%
72	6.942	6.926	6.958	VV	10356	116352	1.41%	0.042%
73	7.024	6.958	7.045	VV	18406	491151	5.96%	0.178%
74	7.063	7.045	7.077	VV	30814	374766	4.55%	0.136%
75	7.082	7.077	7.091	VV	15278	119388	1.45%	0.043%
76	7.107	7.091	7.117	VV	34058	389157	4.72%	0.141%
77	7.129	7.117	7.158	VV	37518	535032	6.49%	0.194%
78	7.187	7.158	7.195	VV	26504	325833	3.95%	0.118%
79	7.204	7.195	7.244	VV	25713	499377	6.06%	0.181%
80	7.262	7.244	7.303	VV	56375	801201	9.72%	0.291%
81	7.313	7.303	7.321	VV	4382	41617	0.50%	0.015%
82	7.330	7.321	7.346	VV	4354	45876	0.56%	0.017%
83	7.360	7.346	7.374	VV	3175	30268	0.37%	0.011%
84	7.412	7.374	7.457	VV	16054	407904	4.95%	0.148%
85	7.479	7.457	7.505	VV	13090	288063	3.49%	0.105%
86	7.511	7.505	7.536	VV	10654	110519	1.34%	0.040%
87	7.567	7.536	7.583	VV	3671	56545	0.69%	0.021%
88	7.604	7.583	7.633	VV	14243	241221	2.93%	0.088%
89	7.651	7.633	7.669	VV	11074	143000	1.73%	0.052%

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90	7.677	7.669	7.687	VV	2355	21143	0.26%	0.008%
91	7.697	7.687	7.708	VV	1966	20232	0.25%	0.007%
92	7.737	7.708	7.803	VV	576197	5478774	66.46%	1.989%
93	7.833	7.803	7.843	VV	5837	83722	1.02%	0.030%
94	7.848	7.843	7.872	VV	4940	56702	0.69%	0.021%
95	7.891	7.872	7.910	VV	3638	66284	0.80%	0.024%
96	7.919	7.910	7.931	VV	3856	44493	0.54%	0.016%
97	7.942	7.931	7.960	VV	5424	60995	0.74%	0.022%
98	7.984	7.960	7.994	VV	9887	123109	1.49%	0.045%
99	8.007	7.994	8.020	VV	11459	145891	1.77%	0.053%
100	8.030	8.020	8.041	VV	10407	105342	1.28%	0.038%
101	8.052	8.041	8.068	VV	8671	92779	1.13%	0.034%
102	8.075	8.068	8.083	VV	2987	24732	0.30%	0.009%
103	8.101	8.083	8.106	VV	21285	184278	2.24%	0.067%
104	8.114	8.106	8.131	VV	22890	230636	2.80%	0.084%
105	8.141	8.131	8.171	VV	7895	89590	1.09%	0.033%
106	8.220	8.171	8.234	VV	39822	451317	5.47%	0.164%
107	8.247	8.234	8.266	VV	27192	276906	3.36%	0.101%
108	8.284	8.266	8.303	VV	8472	118003	1.43%	0.043%
109	8.331	8.303	8.352	VV	6103	108741	1.32%	0.039%
110	8.393	8.352	8.421	VV	12754	323858	3.93%	0.118%
111	8.429	8.421	8.440	VV	819	6146	0.07%	0.002%
112	8.457	8.440	8.471	VV	4148	41146	0.50%	0.015%
113	8.492	8.471	8.503	VV	4814	55701	0.68%	0.020%
114	8.515	8.503	8.531	VV	4685	55896	0.68%	0.020%
115	8.538	8.531	8.555	VV	2864	26029	0.32%	0.009%
116	8.602	8.555	8.631	VV	369121	3611726	43.81%	1.311%
117	8.654	8.631	8.672	PV	2660	38552	0.47%	0.014%
118	8.699	8.672	8.726	VV	10877	156598	1.90%	0.057%
119	8.754	8.726	8.771	VV	6311	97043	1.18%	0.035%
120	8.775	8.771	8.783	VV	2255	15585	0.19%	0.006%
121	8.799	8.783	8.808	VV	4907	54993	0.67%	0.020%
122	8.823	8.808	8.841	VV	5495	84402	1.02%	0.031%
123	8.859	8.841	8.874	VV	3299	41221	0.50%	0.015%
124	8.889	8.874	8.910	VV	1979	31823	0.39%	0.012%
125	8.936	8.910	8.955	VV	13606	173771	2.11%	0.063%
126	8.970	8.955	8.988	VV	11092	122304	1.48%	0.044%
127	9.009	8.988	9.031	VV	83814	834318	10.12%	0.303%
128	9.041	9.031	9.046	VV	4046	34017	0.41%	0.012%
129	9.060	9.046	9.072	VV	6990	78472	0.95%	0.028%
130	9.084	9.072	9.088	VV	5148	40543	0.49%	0.015%
131	9.104	9.088	9.120	VV	15985	176042	2.14%	0.064%
132	9.145	9.120	9.187	VV	17145	258225	3.13%	0.094%
133	9.201	9.187	9.219	VV	878	9870	0.12%	0.004%
134	9.261	9.219	9.278	PV	17063	209355	2.54%	0.076%
135	9.291	9.278	9.308	VV	9370	89554	1.09%	0.033%
136	9.316	9.308	9.325	VV	621	5004	0.06%	0.002%
137	9.340	9.325	9.357	VV	1913	19657	0.24%	0.007%
138	9.376	9.357	9.380	VV	5317	41655	0.51%	0.015%
139	9.396	9.380	9.421	VV	15272	187857	2.28%	0.068%
140	9.438	9.421	9.456	VV	3522	47016	0.57%	0.017%
141	9.478	9.456	9.494	VV	16322	174268	2.11%	0.063%

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142	9.505	9.494	9.531	VV	7008	81685	0.99%	0.030%
143	9.559	9.531	9.590	VV	17479	267637	3.25%	0.097%
144	9.598	9.590	9.612	VV	2019	17950	0.22%	0.007%
145	9.631	9.612	9.643	VV	3998	47584	0.58%	0.017%
146	9.660	9.643	9.669	VV	5240	61569	0.75%	0.022%
147	9.683	9.669	9.700	VV	8238	104170	1.26%	0.038%
148	9.722	9.700	9.735	VV	5030	75622	0.92%	0.027%
149	9.755	9.735	9.780	VV	29195	309650	3.76%	0.112%
150	9.800	9.780	9.821	VV	7731	110685	1.34%	0.040%
151	9.833	9.821	9.843	VV	4617	53299	0.65%	0.019%
152	9.849	9.843	9.868	VV	3984	43880	0.53%	0.016%
153	9.898	9.868	9.943	VV	8615	218968	2.66%	0.079%
154	9.966	9.943	9.977	VV	3373	53795	0.65%	0.020%
155	9.997	9.977	10.027	VV	5295	91108	1.11%	0.033%
156	10.059	10.027	10.093	PV	9362	167289	2.03%	0.061%
157	10.102	10.093	10.110	VV	1989	18294	0.22%	0.007%
158	10.119	10.110	10.143	VV	1714	27259	0.33%	0.010%
159	10.163	10.143	10.175	VV	3743	44425	0.54%	0.016%
160	10.186	10.175	10.197	VV	3395	36937	0.45%	0.013%
161	10.218	10.197	10.247	VV	12448	181599	2.20%	0.066%
162	10.268	10.247	10.296	VV	12395	215743	2.62%	0.078%
163	10.327	10.296	10.340	VV	14933	238678	2.90%	0.087%
164	10.354	10.340	10.382	VV	19151	287057	3.48%	0.104%
165	10.399	10.382	10.445	VV	14339	281379	3.41%	0.102%
166	10.472	10.445	10.510	VV	13843	331419	4.02%	0.120%
167	10.534	10.510	10.583	VV	11315	333156	4.04%	0.121%
168	10.608	10.583	10.623	VV	9934	195504	2.37%	0.071%
169	10.644	10.623	10.662	VV	23616	323784	3.93%	0.118%
170	10.690	10.662	10.716	VV	18051	421755	5.12%	0.153%
171	10.733	10.716	10.738	VV	8930	112999	1.37%	0.041%
172	10.756	10.738	10.770	VV	10067	180398	2.19%	0.065%
173	10.774	10.770	10.795	VV	9331	115077	1.40%	0.042%
174	10.842	10.795	10.848	VV	9483	251313	3.05%	0.091%
175	10.876	10.848	10.928	VV	43726	820103	9.95%	0.298%
176	10.951	10.928	10.995	VV	21545	492751	5.98%	0.179%
177	11.016	10.995	11.034	VV	12088	227882	2.76%	0.083%
178	11.059	11.034	11.078	VV	12445	274959	3.34%	0.100%
179	11.095	11.078	11.112	VV	12133	211546	2.57%	0.077%
180	11.129	11.112	11.138	VV	10562	159072	1.93%	0.058%
181	11.186	11.138	11.207	VV	18704	544333	6.60%	0.198%
182	11.235	11.207	11.251	VV	16311	366656	4.45%	0.133%
183	11.268	11.251	11.293	VV	18406	401049	4.86%	0.146%
184	11.296	11.293	11.311	VV	14401	153210	1.86%	0.056%
185	11.321	11.311	11.334	VV	14930	183904	2.23%	0.067%
186	11.365	11.334	11.383	VV	17817	470243	5.70%	0.171%
187	11.404	11.383	11.439	VV	25391	648762	7.87%	0.235%
188	11.469	11.439	11.498	VV	18660	523927	6.36%	0.190%
189	11.527	11.498	11.553	VV	23632	574037	6.96%	0.208%
190	11.567	11.553	11.592	VV	18794	372288	4.52%	0.135%
191	11.594	11.592	11.599	VV	14897	63966	0.78%	0.023%
192	11.647	11.599	11.693	VV	544615	6762664	82.03%	2.455%
193	11.708	11.693	11.746	VV	32200	697597	8.46%	0.253%
194	11.793	11.746	11.809	VV	32679	880463	10.68%	0.320%

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195	11.826	11.809	11.842	VV	35549	570163	6.92%	0.207%
196	11.859	11.842	11.910	VV	33003	989649	12.00%	0.359%
197	11.929	11.910	11.942	VV	21077	377236	4.58%	0.137%
198	11.974	11.942	11.998	VV	31907	879174	10.66%	0.319%
199	12.016	11.998	12.028	VV	31441	482199	5.85%	0.175%
200	12.043	12.028	12.061	VV	33980	565505	6.86%	0.205%
201	12.082	12.061	12.106	VV	38526	798509	9.69%	0.290%
202	12.128	12.106	12.133	VV	26107	418001	5.07%	0.152%
203	12.146	12.133	12.164	VV	28354	489109	5.93%	0.178%
204	12.179	12.164	12.195	VV	30985	532216	6.46%	0.193%
205	12.241	12.195	12.267	VV	169732	2939326	35.66%	1.067%
206	12.285	12.267	12.308	VV	30316	706194	8.57%	0.256%
207	12.326	12.308	12.338	VV	35489	553765	6.72%	0.201%
208	12.354	12.338	12.383	VV	41678	957185	11.61%	0.347%
209	12.394	12.383	12.410	VV	33798	518307	6.29%	0.188%
210	12.425	12.410	12.445	VV	33469	651111	7.90%	0.236%
211	12.467	12.445	12.477	VV	39581	678318	8.23%	0.246%
212	12.484	12.477	12.512	VV	39628	730947	8.87%	0.265%
213	12.517	12.512	12.524	VV	28888	201307	2.44%	0.073%
214	12.575	12.524	12.596	VV	66015	1868645	22.67%	0.678%
215	12.612	12.596	12.623	VV	42626	651989	7.91%	0.237%
216	12.639	12.623	12.667	VV	49578	1060508	12.86%	0.385%
217	12.690	12.667	12.707	VV	76486	1283272	15.57%	0.466%
218	12.712	12.707	12.737	VV	46689	711000	8.62%	0.258%
219	12.755	12.737	12.770	VV	34944	674947	8.19%	0.245%
220	12.794	12.770	12.803	VV	39355	717589	8.70%	0.260%
221	12.818	12.803	12.842	VV	44183	912948	11.07%	0.331%
222	12.889	12.842	12.902	VV	40133	1328163	16.11%	0.482%
223	12.910	12.902	12.918	VV	39087	374872	4.55%	0.136%
224	12.938	12.918	12.965	VV	44415	1134072	13.76%	0.412%
225	12.988	12.965	13.002	VV	73819	1178798	14.30%	0.428%
226	13.028	13.002	13.051	VV	317677	4352426	52.80%	1.580%
227	13.075	13.051	13.098	VV	141593	2363647	28.67%	0.858%
228	13.118	13.098	13.148	VV	61070	1529394	18.55%	0.555%
229	13.176	13.148	13.217	VV	47470	1789559	21.71%	0.650%
230	13.255	13.217	13.277	VV	54959	1676834	20.34%	0.609%
231	13.295	13.277	13.305	VV	53294	886429	10.75%	0.322%
232	13.320	13.305	13.369	VV	58613	1898818	23.03%	0.689%
233	13.384	13.369	13.398	VV	50065	821032	9.96%	0.298%
234	13.412	13.398	13.431	VV	55371	974445	11.82%	0.354%
235	13.465	13.431	13.507	VV	125637	3077046	37.33%	1.117%
236	13.513	13.507	13.531	VV	51310	724722	8.79%	0.263%
237	13.538	13.531	13.551	VV	50557	609292	7.39%	0.221%
238	13.574	13.551	13.608	VV	61039	1751072	21.24%	0.636%
239	13.619	13.608	13.634	VV	48658	732170	8.88%	0.266%
240	13.652	13.634	13.662	VV	49664	827592	10.04%	0.300%
241	13.690	13.662	13.712	VV	79290	1833456	22.24%	0.665%
242	13.725	13.712	13.732	VV	51743	616341	7.48%	0.224%
243	13.751	13.732	13.797	VV	55453	2017980	24.48%	0.732%
244	13.807	13.797	13.818	VV	49307	615104	7.46%	0.223%
245	13.848	13.818	13.870	VV	58242	1664099	20.19%	0.604%
246	13.878	13.870	13.884	VV	52103	424272	5.15%	0.154%

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247	13.892	13.884	13.913	VV	52221	898217	10.90%	0.326%
248	13.917	13.913	13.925	VV	49969	343082	4.16%	0.125%
249	13.962	13.925	14.000	VV	53782	2282120	27.68%	0.828%
250	14.004	14.000	14.007	VV	48156	198820	2.41%	0.072%
251	14.031	14.007	14.043	VV	54712	1110705	13.47%	0.403%
252	14.062	14.043	14.098	VV	57267	1777408	21.56%	0.645%
253	14.119	14.098	14.127	VV	53481	887382	10.76%	0.322%
254	14.131	14.127	14.152	VV	52936	743081	9.01%	0.270%
255	14.161	14.152	14.165	VV	50229	393276	4.77%	0.143%
256	14.192	14.165	14.215	VV	58569	1630673	19.78%	0.592%
257	14.225	14.215	14.245	VV	54396	964157	11.70%	0.350%
258	14.260	14.245	14.271	VV	56298	867930	10.53%	0.315%
259	14.294	14.271	14.323	VV	108716	2303107	27.94%	0.836%
260	14.336	14.323	14.369	VV	52810	1379168	16.73%	0.501%
261	14.385	14.369	14.401	VV	53947	1033311	12.53%	0.375%
262	14.456	14.401	14.470	VV	56549	2255635	27.36%	0.819%
263	14.490	14.470	14.500	VV	59230	1012998	12.29%	0.368%
264	14.513	14.500	14.535	VV	60193	1192956	14.47%	0.433%
265	14.551	14.535	14.575	VV	57057	1275571	15.47%	0.463%
266	14.582	14.575	14.587	VV	49131	349961	4.25%	0.127%
267	14.607	14.587	14.623	VV	50801	1062212	12.89%	0.386%
268	14.641	14.623	14.648	VV	52002	783722	9.51%	0.284%
269	14.651	14.648	14.653	VV	51677	147402	1.79%	0.054%
270	14.674	14.653	14.717	VV	55197	2022792	24.54%	0.734%
271	14.732	14.717	14.754	VV	52058	1099526	13.34%	0.399%
272	14.775	14.754	14.785	VV	48922	882640	10.71%	0.320%
273	14.858	14.785	14.881	VV	67718	3201658	38.84%	1.162%
274	14.901	14.881	14.919	VV	64904	1270588	15.41%	0.461%
275	14.927	14.919	14.943	VV	51216	743396	9.02%	0.270%
276	14.970	14.943	14.982	VV	50682	1146847	13.91%	0.416%
277	14.997	14.982	15.006	VV	51597	710975	8.62%	0.258%
278	15.023	15.006	15.042	VV	52326	1083603	13.14%	0.393%
279	15.067	15.042	15.122	VV	58798	2387114	28.96%	0.866%
280	15.127	15.122	15.132	VV	44347	275023	3.34%	0.100%
281	15.137	15.132	15.142	VV	44329	257208	3.12%	0.093%
282	15.177	15.142	15.182	VV	48725	1125990	13.66%	0.409%
283	15.199	15.182	15.246	VV	53661	1819988	22.08%	0.661%
284	15.258	15.246	15.276	VV	44078	784764	9.52%	0.285%
285	15.300	15.276	15.327	VV	60085	1549579	18.80%	0.562%
286	15.343	15.327	15.345	VV	45342	465993	5.65%	0.169%
287	15.350	15.345	15.364	VV	46186	523994	6.36%	0.190%
288	15.371	15.364	15.401	VV	44438	934696	11.34%	0.339%
289	15.409	15.401	15.415	VV	42021	353926	4.29%	0.128%
290	15.463	15.415	15.511	VV	143911	3781471	45.87%	1.373%
291	15.532	15.511	15.552	VV	48388	1079039	13.09%	0.392%
292	15.569	15.552	15.582	VV	43869	757449	9.19%	0.275%
293	15.588	15.582	15.603	VV	41415	515878	6.26%	0.187%
294	15.615	15.603	15.622	VV	40716	451889	5.48%	0.164%
295	15.647	15.622	15.653	VV	41712	770897	9.35%	0.280%
296	15.674	15.653	15.679	VV	42475	661934	8.03%	0.240%
297	15.699	15.679	15.729	VV	44197	1260801	15.29%	0.458%
298	15.751	15.729	15.755	VV	44358	629030	7.63%	0.228%
299	15.767	15.755	15.803	VV	44810	1222219	14.83%	0.444%

					rteres			
300	15.824	15.803	15.847	VV	47343	1109247	13.46%	0.403%
301	15.856	15.847	15.878	VV	40699	741125	8.99%	0.269%
302	15.901	15.878	15.931	VV	39466	1200161	14.56%	0.436%
303	15.971	15.931	16.023	VV	43332	2172289	26.35%	0.788%
304	16.040	16.023	16.086	VV	38037	1355990	16.45%	0.492%
305	16.115	16.086	16.125	VV	38510	845935	10.26%	0.307%
306	16.137	16.125	16.174	VV	38440	1091037	13.23%	0.396%
307	16.185	16.174	16.200	VV	35542	529873	6.43%	0.192%
308	16.205	16.200	16.222	VV	36049	469669	5.70%	0.170%
309	16.255	16.222	16.288	VV	40579	1485201	18.02%	0.539%
310	16.311	16.288	16.365	VV	40137	1673645	20.30%	0.607%
311	16.372	16.365	16.384	VV	33169	365321	4.43%	0.133%
312	16.411	16.384	16.430	VV	48131	1111551	13.48%	0.403%
313	16.437	16.430	16.486	VV	37801	1134885	13.77%	0.412%
314	16.506	16.486	16.512	VV	31568	482387	5.85%	0.175%
315	16.519	16.512	16.524	VV	31595	227462	2.76%	0.083%
316	16.550	16.524	16.573	VV	35559	974551	11.82%	0.354%
317	16.580	16.573	16.621	VV	33107	899486	10.91%	0.326%
318	16.643	16.621	16.679	VV	33760	1083565	13.14%	0.393%
319	16.730	16.679	16.761	VV	38889	1638377	19.87%	0.595%
320	16.786	16.761	16.823	VV	40378	1153524	13.99%	0.419%
321	16.847	16.823	16.870	VV	26939	712961	8.65%	0.259%
322	16.889	16.870	16.903	VV	29668	551010	6.68%	0.200%
323	16.941	16.903	16.985	VV	31729	1347311	16.34%	0.489%
324	17.018	16.985	17.055	VV	25423	1013760	12.30%	0.368%
325	17.058	17.055	17.067	VV	22651	153861	1.87%	0.056%
326	17.144	17.067	17.183	VV	28038	1713138	20.78%	0.622%
327	17.211	17.183	17.229	VV	27575	678086	8.23%	0.246%
328	17.247	17.229	17.269	VV	27288	589699	7.15%	0.214%
329	17.285	17.269	17.300	VV	21925	387409	4.70%	0.141%
330	17.313	17.300	17.352	VV	22696	621918	7.54%	0.226%
331	17.379	17.352	17.412	VV	19389	645950	7.84%	0.234%
332	17.418	17.412	17.426	VV	16652	133684	1.62%	0.049%
333	17.461	17.426	17.486	VV	19380	645333	7.83%	0.234%
334	17.492	17.486	17.498	VV	15391	101018	1.23%	0.037%
335	17.518	17.498	17.538	VV	17567	378253	4.59%	0.137%
336	17.561	17.538	17.595	VV	16087	489659	5.94%	0.178%
337	17.614	17.595	17.651	VV	15043	444596	5.39%	0.161%
338	17.677	17.651	17.684	VV	14608	256440	3.11%	0.093%
339	17.693	17.684	17.728	VV	14747	366896	4.45%	0.133%
340	17.750	17.728	17.755	VV	13415	202559	2.46%	0.074%
341	17.780	17.755	17.804	VV	16133	398272	4.83%	0.145%
342	17.814	17.804	17.832	VV	11515	172004	2.09%	0.062%
343	17.859	17.832	17.885	VV	11733	335617	4.07%	0.122%
344	17.930	17.885	17.946	VV	13804	417933	5.07%	0.152%
345	17.959	17.946	18.020	VV	13063	412305	5.00%	0.150%
346	18.030	18.020	18.037	VV	6853	66129	0.80%	0.024%
347	18.061	18.037	18.081	VV	9956	218877	2.66%	0.079%
348	18.099	18.081	18.107	VV	10043	142226	1.73%	0.052%
349	18.128	18.107	18.175	VV	20376	560916	6.80%	0.204%
350	18.191	18.175	18.216	VV	7994	140912	1.71%	0.051%
351	18.237	18.216	18.258	VV	4177	67527	0.82%	0.025%

						rteres		
352	18.293	18.258	18.348	VV	7900	220281	2.67%	0.080%
353	18.354	18.348	18.358	VV	1146	5968	0.07%	0.002%
354	18.368	18.358	18.383	VV	1626	15882	0.19%	0.006%
355	18.402	18.383	18.434	VV	8678	112816	1.37%	0.041%
356	18.445	18.434	18.468	VV	1051	8681	0.11%	0.003%
357	18.486	18.468	18.492	PV	539	3647	0.04%	0.001%
						Sum of corrected areas:	275505658	

Aromatic EPH 071525.M Thu Jul 17 07:49:02 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-09DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069482.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	151		1.64	11.7	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	12.4		1.29	7.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	50.2		1.52	11.7	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	166		6.21	15.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	97.7		13.8	23.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.15		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-09DL	Acq On:	17 Jul 2025 11:07
Client Sample ID:	END-OF-TRENCHDL	Operator:	YP/AJ
Data file:	FC069482.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	26901089	193.534	300	ug/ml
Aliphatic C12-C16	6.600	10.002	2284696	15.858	200	ug/ml
Aliphatic C16-C21	10.003	13.370	8740608	64.271	300	ug/ml
Aliphatic C21-C28	13.371	17.036	25323066	212.818	400	ug/ml
Aliphatic C28-C40	17.037	22.013	11241227	125.065	600	ug/ml
Aliphatic EPH	3.303	22.013	74490686	611.546		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	469189	4.15		ug/ml
Aliphatic C9-C28	3.303	17.036	63249459	486.481	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069482.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 11:07
 Operator : YP/AJ
 Sample : Q2600-09DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 END-OF-TRENCHDL

Integration File: autoint1.e
 Quant Time: Jul 17 11:31:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.102	469189	4.152 ug/ml
Spiked Amount 50.000		Recovery =	8.30%
Target Compounds			

(f)=RT Delta > 1/2 Window

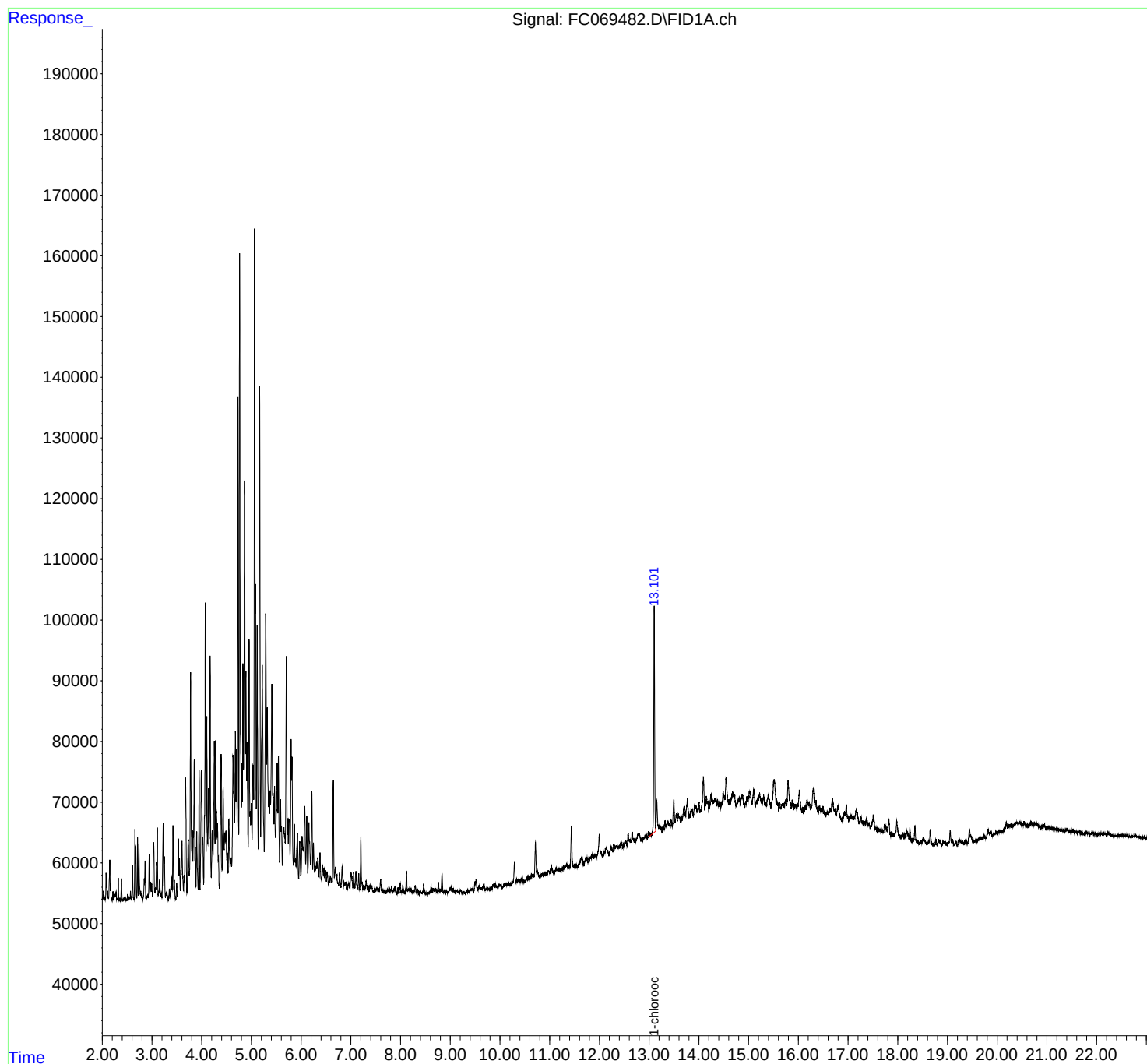
(m)=manual int.

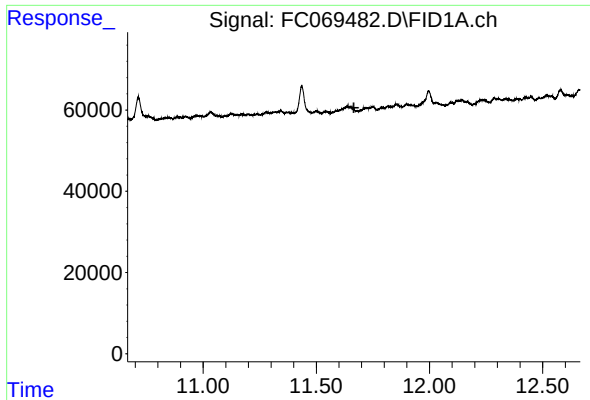
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069482.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 11:07
Operator : YP/AJ
Sample : Q2600-09DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
END-OF-TRENCHDL

Integration File: autoint1.e
Quant Time: Jul 17 11:31:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

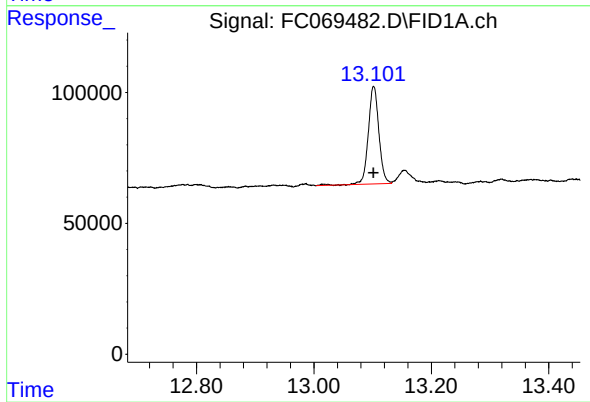




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
END-OF-TRENCHDL



#12 1-chlorooctadecane (SURR)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 469189
Conc: 4.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069482.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 11:07
 Sample : Q2600-09DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.298	3.270	3.323	PV	989	16370	0.98%	0.022%
2	3.351	3.323	3.364	PV	1764	16546	0.99%	0.022%
3	3.398	3.364	3.407	VV	3548	51477	3.08%	0.068%
4	3.423	3.407	3.441	VV	12076	120897	7.23%	0.160%
5	3.450	3.441	3.481	VV	3105	33048	1.98%	0.044%
6	3.498	3.481	3.514	VV	2645	26864	1.61%	0.036%
7	3.531	3.514	3.544	VV	9949	100377	6.00%	0.133%
8	3.554	3.544	3.569	VV	6857	67568	4.04%	0.089%
9	3.604	3.569	3.634	VV	9600	188810	11.29%	0.250%
10	3.674	3.634	3.703	VV	19588	341628	20.44%	0.452%
11	3.730	3.703	3.749	VV	9764	162202	9.70%	0.214%
12	3.777	3.749	3.801	VV	37081	470744	28.16%	0.623%
13	3.811	3.801	3.823	VV	11474	125756	7.52%	0.166%
14	3.850	3.823	3.885	VV	22955	395907	23.68%	0.524%
15	3.900	3.885	3.930	VV	10968	150889	9.03%	0.200%
16	3.949	3.930	3.967	VV	21222	201719	12.07%	0.267%
17	3.993	3.967	4.040	VV	20690	463749	27.74%	0.613%
18	4.074	4.040	4.089	VV	48871	615422	36.81%	0.814%
19	4.102	4.089	4.122	VV	29901	335242	20.05%	0.443%
20	4.137	4.122	4.151	VV	18037	232570	13.91%	0.308%
21	4.169	4.151	4.192	VV	39848	457937	27.39%	0.606%
22	4.211	4.192	4.227	VV	11235	167680	10.03%	0.222%
23	4.254	4.227	4.268	VV	26026	378973	22.67%	0.501%
24	4.282	4.268	4.357	VV	25999	612641	36.65%	0.810%
25	4.391	4.357	4.410	VV	23905	345936	20.69%	0.457%
26	4.431	4.410	4.452	VV	18192	296668	17.75%	0.392%
27	4.466	4.452	4.477	VV	10506	146546	8.77%	0.194%
28	4.487	4.477	4.508	VV	11166	165724	9.91%	0.219%
29	4.517	4.508	4.530	VV	7406	82333	4.93%	0.109%
30	4.547	4.530	4.573	VV	12991	208790	12.49%	0.276%
31	4.592	4.573	4.603	VV	6495	108948	6.52%	0.144%
32	4.630	4.603	4.662	VV	23367	538805	32.23%	0.713%
33	4.677	4.662	4.689	VV	27558	328165	19.63%	0.434%
34	4.700	4.689	4.712	VV	24523	272395	16.29%	0.360%
35	4.730	4.712	4.745	VV	82117	827852	49.52%	1.095%
36	4.763	4.745	4.797	VV	105431	1386575	82.94%	1.834%

					rteres			
37	4.808	4.797	4.816	VV	22126	212546	12.71%	0.281%
38	4.829	4.816	4.841	VV	38611	416290	24.90%	0.550%
39	4.862	4.841	4.878	VV	68556	919100	54.98%	1.215%
40	4.889	4.878	4.934	VV	37248	792690	47.42%	1.048%
41	4.953	4.934	4.986	VV	42486	648785	38.81%	0.858%
42	4.998	4.986	5.013	VV	15484	209142	12.51%	0.277%
43	5.032	5.013	5.044	VV	21852	323861	19.37%	0.428%
44	5.063	5.044	5.099	VV	109010	1671702	100.00%	2.211%
45	5.115	5.099	5.137	VV	44752	580070	34.70%	0.767%
46	5.165	5.137	5.186	VV	84379	1175335	70.31%	1.554%
47	5.218	5.186	5.257	VV	38247	931291	55.71%	1.232%
48	5.288	5.257	5.308	VV	46551	830600	49.69%	1.098%
49	5.318	5.308	5.345	VV	31235	511418	30.59%	0.676%
50	5.354	5.345	5.365	VV	17160	185371	11.09%	0.245%
51	5.410	5.365	5.453	VV	35053	1050720	62.85%	1.389%
52	5.465	5.453	5.485	VV	18287	268853	16.08%	0.356%
53	5.518	5.485	5.531	VV	21993	421753	25.23%	0.558%
54	5.543	5.531	5.568	VV	23098	322836	19.31%	0.427%
55	5.586	5.568	5.622	VV	15972	343932	20.57%	0.455%
56	5.654	5.622	5.679	VV	11495	336603	20.14%	0.445%
57	5.703	5.679	5.742	VV	39768	697874	41.75%	0.923%
58	5.757	5.742	5.777	VV	12787	224193	13.41%	0.296%
59	5.799	5.777	5.809	VV	25958	329878	19.73%	0.436%
60	5.816	5.809	5.845	VV	22560	282098	16.87%	0.373%
61	5.864	5.845	5.897	VV	11960	229761	13.74%	0.304%
62	5.925	5.897	5.950	VV	10491	223112	13.35%	0.295%
63	5.971	5.950	5.995	VV	9059	157261	9.41%	0.208%
64	6.020	5.995	6.044	VV	9703	210177	12.57%	0.278%
65	6.071	6.044	6.093	VV	14913	309018	18.49%	0.409%
66	6.113	6.093	6.134	VV	13276	204106	12.21%	0.270%
67	6.157	6.134	6.189	VV	12130	258665	15.47%	0.342%
68	6.216	6.189	6.234	VV	17229	268729	16.08%	0.355%
69	6.248	6.234	6.274	VV	8848	147298	8.81%	0.195%
70	6.310	6.274	6.322	VV	5569	137101	8.20%	0.181%
71	6.337	6.322	6.361	VV	6325	120477	7.21%	0.159%
72	6.380	6.361	6.404	VV	7132	123883	7.41%	0.164%
73	6.433	6.404	6.448	VV	4970	100329	6.00%	0.133%
74	6.459	6.448	6.474	VV	4464	61105	3.66%	0.081%
75	6.493	6.474	6.508	VV	4162	71949	4.30%	0.095%
76	6.522	6.508	6.548	VV	4025	75342	4.51%	0.100%
77	6.590	6.548	6.606	VV	3191	88452	5.29%	0.117%
78	6.648	6.606	6.670	VV	18967	260594	15.59%	0.345%
79	6.693	6.670	6.710	VV	4739	94000	5.62%	0.124%
80	6.720	6.710	6.755	VV	3571	66892	4.00%	0.088%
81	6.773	6.755	6.799	VV	3679	67483	4.04%	0.089%
82	6.825	6.799	6.848	VV	4771	84165	5.03%	0.111%
83	6.861	6.848	6.874	VV	2290	30466	1.82%	0.040%
84	6.894	6.874	6.928	VV	2240	54484	3.26%	0.072%
85	6.959	6.928	6.984	VV	2062	56910	3.40%	0.075%
86	7.001	6.984	7.040	VV	3911	91540	5.48%	0.121%
87	7.058	7.040	7.083	VV	3760	60189	3.60%	0.080%
88	7.102	7.083	7.141	VV	3947	77128	4.61%	0.102%
89	7.160	7.141	7.178	VV	3587	48442	2.90%	0.064%

					rteres			
90	7.202	7.178	7.244	VV	9685	141347	8.46%	0.187%
91	7.260	7.244	7.275	VV	1646	23818	1.42%	0.031%
92	7.307	7.275	7.337	VV	2342	57174	3.42%	0.076%
93	7.350	7.337	7.367	VV	1190	19053	1.14%	0.025%
94	7.391	7.367	7.409	VV	1563	30592	1.83%	0.040%
95	7.423	7.409	7.458	VV	1405	29262	1.75%	0.039%
96	7.477	7.458	7.499	VV	994	19558	1.17%	0.026%
97	7.516	7.499	7.528	VV	1141	16323	0.98%	0.022%
98	7.544	7.528	7.575	VV	1270	27012	1.62%	0.036%
99	7.598	7.575	7.628	VV	2526	43937	2.63%	0.058%
100	7.646	7.628	7.672	VV	677	15209	0.91%	0.020%
101	7.686	7.672	7.704	VV	739	10159	0.61%	0.013%
102	7.767	7.704	7.782	VV	1374	34999	2.09%	0.046%
103	7.794	7.782	7.806	VV	884	11486	0.69%	0.015%
104	7.820	7.806	7.838	VV	1256	15298	0.92%	0.020%
105	7.878	7.838	7.891	VV	1184	24236	1.45%	0.032%
106	7.904	7.891	7.928	VV	1281	15917	0.95%	0.021%
107	7.947	7.928	7.968	VV	1114	14307	0.86%	0.019%
108	7.992	7.968	8.017	VV	1783	26818	1.60%	0.035%
109	8.046	8.017	8.069	VV	1568	24810	1.48%	0.033%
110	8.082	8.069	8.094	VV	350	5212	0.31%	0.007%
111	8.118	8.094	8.138	VV	3805	46198	2.76%	0.061%
112	8.153	8.138	8.192	VV	790	22925	1.37%	0.030%
113	8.207	8.192	8.237	VV	937	16127	0.96%	0.021%
114	8.247	8.237	8.268	VV	520	8364	0.50%	0.011%
115	8.295	8.268	8.326	VV	1386	24568	1.47%	0.032%
116	8.345	8.326	8.366	VV	767	9539	0.57%	0.013%
117	8.392	8.366	8.434	PV	434	9626	0.58%	0.013%
118	8.465	8.434	8.503	VV	1659	23934	1.43%	0.032%
119	8.521	8.503	8.537	VV	142	1606	0.10%	0.002%
120	8.571	8.537	8.591	VV	302	6437	0.39%	0.009%
121	8.613	8.591	8.639	VV	1141	17809	1.07%	0.024%
122	8.657	8.639	8.680	VV	837	15211	0.91%	0.020%
123	8.696	8.680	8.731	VV	822	18924	1.13%	0.025%
124	8.761	8.731	8.780	VV	1873	26454	1.58%	0.035%
125	8.795	8.780	8.810	VV	736	10678	0.64%	0.014%
126	8.833	8.810	8.863	VV	3371	46522	2.78%	0.062%
127	8.885	8.863	8.901	VV	452	6694	0.40%	0.009%
128	8.921	8.901	8.941	VV	313	5349	0.32%	0.007%
129	8.985	8.941	8.998	VV	748	13516	0.81%	0.018%
130	9.014	8.998	9.039	VV	1004	17253	1.03%	0.023%
131	9.055	9.039	9.087	VV	707	13467	0.81%	0.018%
132	9.140	9.087	9.181	VV	473	15791	0.94%	0.021%
133	9.206	9.181	9.231	VV	533	8942	0.53%	0.012%
134	9.260	9.231	9.294	VV	192	3104	0.19%	0.004%
135	9.309	9.294	9.317	PV	138	1112	0.07%	0.001%
136	9.347	9.317	9.389	VV	420	11244	0.67%	0.015%
137	9.441	9.389	9.466	VV	685	20331	1.22%	0.027%
138	9.518	9.466	9.550	VV	2118	54868	3.28%	0.073%
139	9.577	9.550	9.594	VV	1018	19887	1.19%	0.026%
140	9.604	9.594	9.611	VV	710	7013	0.42%	0.009%
141	9.628	9.611	9.643	VV	674	12105	0.72%	0.016%

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142	9.659	9.643	9.704	VV	904	25298	1.51%	0.033%
143	9.739	9.704	9.759	VV	494	14097	0.84%	0.019%
144	9.766	9.759	9.795	VV	443	8181	0.49%	0.011%
145	9.820	9.795	9.836	VV	633	12806	0.77%	0.017%
146	9.861	9.836	9.887	VV	1126	25457	1.52%	0.034%
147	9.904	9.887	9.943	VV	1171	29298	1.75%	0.039%
148	9.963	9.943	9.983	VV	1000	20266	1.21%	0.027%
149	9.991	9.983	10.056	VV	966	34875	2.09%	0.046%
150	10.075	10.056	10.091	VV	935	16634	1.00%	0.022%
151	10.132	10.091	10.159	VV	1088	37351	2.23%	0.049%
152	10.181	10.159	10.203	VV	1140	25660	1.53%	0.034%
153	10.218	10.203	10.229	VV	1073	15323	0.92%	0.020%
154	10.252	10.229	10.261	VV	1360	22910	1.37%	0.030%
155	10.291	10.261	10.318	VV	4363	84604	5.06%	0.112%
156	10.341	10.318	10.358	VV	1616	36108	2.16%	0.048%
157	10.376	10.358	10.406	VV	1693	43961	2.63%	0.058%
158	10.443	10.406	10.464	VV	2020	55876	3.34%	0.074%
159	10.493	10.464	10.511	VV	1469	38001	2.27%	0.050%
160	10.540	10.511	10.551	VV	1817	37924	2.27%	0.050%
161	10.574	10.551	10.601	VV	2189	55298	3.31%	0.073%
162	10.642	10.601	10.668	VV	2380	82483	4.93%	0.109%
163	10.673	10.668	10.683	VV	2141	18786	1.12%	0.025%
164	10.714	10.683	10.797	VV	7464	231816	13.87%	0.307%
165	10.846	10.797	10.866	VV	2359	89317	5.34%	0.118%
166	10.886	10.866	10.907	VV	2488	57310	3.43%	0.076%
167	10.922	10.907	10.943	VV	2593	51839	3.10%	0.069%
168	10.971	10.943	11.000	VV	2798	87828	5.25%	0.116%
169	11.034	11.000	11.084	VV	3615	145659	8.71%	0.193%
170	11.125	11.084	11.158	VV	3157	123710	7.40%	0.164%
171	11.173	11.158	11.187	VV	3102	51075	3.06%	0.068%
172	11.200	11.187	11.219	VV	2956	55778	3.34%	0.074%
173	11.239	11.219	11.254	VV	2965	60775	3.64%	0.080%
174	11.279	11.254	11.301	VV	3441	89045	5.33%	0.118%
175	11.342	11.301	11.359	VV	3827	120710	7.22%	0.160%
176	11.377	11.359	11.404	VV	3415	88646	5.30%	0.117%
177	11.436	11.404	11.484	VV	9835	250462	14.98%	0.331%
178	11.500	11.484	11.522	VV	3581	76546	4.58%	0.101%
179	11.545	11.522	11.568	VV	3484	89790	5.37%	0.119%
180	11.639	11.568	11.688	VV	4666	283119	16.94%	0.374%
181	11.722	11.688	11.731	VV	4354	104612	6.26%	0.138%
182	11.748	11.731	11.769	VV	4582	95836	5.73%	0.127%
183	11.788	11.769	11.801	VV	4292	80680	4.83%	0.107%
184	11.815	11.801	11.831	VV	4618	80837	4.84%	0.107%
185	11.855	11.831	11.881	VV	5099	140461	8.40%	0.186%
186	11.902	11.881	11.948	VV	4984	192099	11.49%	0.254%
187	11.997	11.948	12.069	VV	8334	413890	24.76%	0.547%
188	12.095	12.069	12.106	VV	5476	115629	6.92%	0.153%
189	12.144	12.106	12.189	VV	5958	276041	16.51%	0.365%
190	12.234	12.189	12.268	VV	6046	261724	15.66%	0.346%
191	12.286	12.268	12.320	VV	6431	191357	11.45%	0.253%
192	12.348	12.320	12.371	VV	6211	183036	10.95%	0.242%
193	12.386	12.371	12.407	VV	6107	129832	7.77%	0.172%
194	12.449	12.407	12.468	VV	6742	230070	13.76%	0.304%

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195	12.518	12.468	12.558	VV	7042	350820	20.99%	0.464%
196	12.579	12.558	12.637	VV	8257	339725	20.32%	0.449%
197	12.661	12.637	12.701	VV	8262	284149	17.00%	0.376%
198	12.709	12.701	12.731	VV	7079	123495	7.39%	0.163%
199	12.778	12.731	12.791	VV	8006	270553	16.18%	0.358%
200	12.800	12.791	12.832	VV	7951	187859	11.24%	0.248%
201	12.855	12.832	12.870	VV	7129	159635	9.55%	0.211%
202	12.932	12.870	12.965	VV	7739	416310	24.90%	0.551%
203	12.984	12.965	13.003	VV	8142	178333	10.67%	0.236%
204	13.018	13.003	13.054	VV	7978	238501	14.27%	0.315%
205	13.102	13.054	13.132	VV	45493	841028	50.31%	1.112%
206	13.154	13.132	13.192	VV	13263	378663	22.65%	0.501%
207	13.213	13.192	13.258	VV	9284	345477	20.67%	0.457%
208	13.284	13.258	13.301	VV	9046	224291	13.42%	0.297%
209	13.319	13.301	13.341	VV	9800	222349	13.30%	0.294%
210	13.377	13.341	13.417	VV	9615	425019	25.42%	0.562%
211	13.441	13.417	13.466	VV	9807	274371	16.41%	0.363%
212	13.496	13.466	13.523	VV	13232	371125	22.20%	0.491%
213	13.546	13.523	13.567	VV	10879	272185	16.28%	0.360%
214	13.588	13.567	13.635	VV	10730	419473	25.09%	0.555%
215	13.650	13.635	13.663	VV	10371	163407	9.77%	0.216%
216	13.713	13.663	13.735	VV	11925	479074	28.66%	0.634%
217	13.771	13.735	13.806	VV	13092	493521	29.52%	0.653%
218	13.867	13.806	13.890	VV	11428	552469	33.05%	0.731%
219	13.915	13.890	13.929	VV	12134	266185	15.92%	0.352%
220	13.939	13.929	13.962	VV	11938	232409	13.90%	0.307%
221	14.004	13.962	14.023	VV	12579	420204	25.14%	0.556%
222	14.092	14.023	14.119	VV	16770	745252	44.58%	0.986%
223	14.153	14.119	14.174	VV	13397	418398	25.03%	0.553%
224	14.181	14.174	14.201	VV	12576	188103	11.25%	0.249%
225	14.243	14.201	14.298	VV	13584	731119	43.74%	0.967%
226	14.317	14.298	14.359	VV	12996	457085	27.34%	0.604%
227	14.375	14.359	14.402	VV	12773	317409	18.99%	0.420%
228	14.421	14.402	14.437	VV	12509	253630	15.17%	0.335%
229	14.489	14.437	14.525	VV	13997	669209	40.03%	0.885%
230	14.549	14.525	14.603	VV	16306	655074	39.19%	0.866%
231	14.617	14.603	14.631	VV	12595	207050	12.39%	0.274%
232	14.678	14.631	14.692	VV	13718	476029	28.48%	0.629%
233	14.700	14.692	14.711	VV	13733	153571	9.19%	0.203%
234	14.721	14.711	14.747	VV	13325	266509	15.94%	0.352%
235	14.817	14.747	14.833	VV	13043	634145	37.93%	0.839%
236	14.853	14.833	14.865	VV	13218	243607	14.57%	0.322%
237	14.877	14.865	14.924	VV	13220	438386	26.22%	0.580%
238	14.967	14.924	14.987	VV	12928	464293	27.77%	0.614%
239	15.016	14.987	15.070	VV	13785	637495	38.13%	0.843%
240	15.103	15.070	15.136	VV	14057	509538	30.48%	0.674%
241	15.155	15.136	15.181	VV	12190	322399	19.29%	0.426%
242	15.221	15.181	15.273	VV	13497	689352	41.24%	0.912%
243	15.302	15.273	15.334	VV	12829	447888	26.79%	0.592%
244	15.347	15.334	15.364	VV	11686	207574	12.42%	0.274%
245	15.396	15.364	15.451	VV	12988	628264	37.58%	0.831%
246	15.509	15.451	15.554	VV	15459	819252	49.01%	1.083%

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247	15.564	15.554	15.608	VV	12207	372317	22.27%	0.492%
248	15.625	15.608	15.648	VV	11669	265642	15.89%	0.351%
249	15.677	15.648	15.700	VV	11474	351120	21.00%	0.464%
250	15.711	15.700	15.721	VV	11473	141350	8.46%	0.187%
251	15.741	15.721	15.767	VV	11885	314897	18.84%	0.416%
252	15.796	15.767	15.859	VV	15213	694551	41.55%	0.918%
253	15.876	15.859	15.889	VV	11871	205380	12.29%	0.272%
254	15.900	15.889	15.914	VV	11335	168163	10.06%	0.222%
255	15.932	15.914	15.967	VV	11226	344376	20.60%	0.455%
256	15.984	15.967	15.997	VV	11377	197376	11.81%	0.261%
257	16.022	15.997	16.072	VV	13451	525797	31.45%	0.695%
258	16.091	16.072	16.107	VV	10661	215454	12.89%	0.285%
259	16.147	16.107	16.158	VV	10897	315837	18.89%	0.418%
260	16.177	16.158	16.218	VV	11902	404547	24.20%	0.535%
261	16.222	16.218	16.243	VV	11465	165109	9.88%	0.218%
262	16.256	16.243	16.264	VV	10773	135720	8.12%	0.179%
263	16.302	16.264	16.339	VV	13586	540648	32.34%	0.715%
264	16.358	16.339	16.402	VV	11692	397473	23.78%	0.526%
265	16.419	16.402	16.458	VV	10601	343005	20.52%	0.454%
266	16.465	16.458	16.485	VV	10279	163494	9.78%	0.216%
267	16.497	16.485	16.515	VV	10647	184862	11.06%	0.244%
268	16.523	16.515	16.545	VV	9710	167159	10.00%	0.221%
269	16.593	16.545	16.610	VV	9674	367615	21.99%	0.486%
270	16.646	16.610	16.658	VV	10224	282521	16.90%	0.374%
271	16.691	16.658	16.724	VV	11711	427499	25.57%	0.565%
272	16.736	16.724	16.761	VV	10197	208899	12.50%	0.276%
273	16.795	16.761	16.873	VV	10406	626898	37.50%	0.829%
274	16.933	16.873	16.947	VV	9419	391388	23.41%	0.518%
275	16.965	16.947	17.011	VV	10427	354788	21.22%	0.469%
276	17.023	17.011	17.031	VV	8531	99108	5.93%	0.131%
277	17.070	17.031	17.092	VV	8872	314871	18.84%	0.416%
278	17.123	17.092	17.137	VV	8499	222005	13.28%	0.294%
279	17.170	17.137	17.222	VV	9871	453061	27.10%	0.599%
280	17.259	17.222	17.303	VV	8451	378438	22.64%	0.500%
281	17.316	17.303	17.324	VV	7834	99677	5.96%	0.132%
282	17.335	17.324	17.351	VV	7663	117813	7.05%	0.156%
283	17.368	17.351	17.411	VV	8161	275497	16.48%	0.364%
284	17.425	17.411	17.457	VV	7447	189836	11.36%	0.251%
285	17.508	17.457	17.554	VV	8656	429558	25.70%	0.568%
286	17.560	17.554	17.581	VV	6503	99616	5.96%	0.132%
287	17.598	17.581	17.638	VV	6660	213032	12.74%	0.282%
288	17.662	17.638	17.714	VV	6179	276017	16.51%	0.365%
289	17.735	17.714	17.788	VV	6999	285842	17.10%	0.378%
290	17.821	17.788	17.857	VV	7725	265271	15.87%	0.351%
291	17.878	17.857	17.904	VV	5699	152398	9.12%	0.202%
292	17.911	17.904	17.924	VV	5215	62093	3.71%	0.082%
293	17.981	17.924	18.057	VV	7351	450712	26.96%	0.596%
294	18.074	18.057	18.088	VV	4962	90043	5.39%	0.119%
295	18.107	18.088	18.134	VV	5489	135875	8.13%	0.180%
296	18.146	18.134	18.168	VV	5178	98386	5.89%	0.130%
297	18.181	18.168	18.226	VV	5673	181012	10.83%	0.239%
298	18.244	18.226	18.283	VV	6174	164676	9.85%	0.218%
299	18.311	18.283	18.324	VV	4380	104806	6.27%	0.139%

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300	18.346	18.324	18.402	VV	6466	213333	12.76%	0.282%
301	18.411	18.402	18.429	VV	3966	61293	3.67%	0.081%
302	18.452	18.429	18.469	VV	3787	86682	5.19%	0.115%
303	18.521	18.469	18.586	VV	4478	272485	16.30%	0.360%
304	18.597	18.586	18.607	VV	3623	44221	2.65%	0.058%
305	18.719	18.701	18.738	VV	3234	69671	4.17%	0.092%
306	18.770	18.738	18.792	VV	4065	113543	6.79%	0.150%
307	18.821	18.792	18.879	VV	3977	182209	10.90%	0.241%
308	18.913	18.879	18.929	VV	3580	100189	5.99%	0.132%
309	18.952	18.929	18.976	VV	3583	94712	5.67%	0.125%
310	18.988	18.976	19.006	VV	3361	56770	3.40%	0.075%
311	19.103	19.087	19.128	VV	3921	84340	5.05%	0.112%
312	19.139	19.128	19.148	VV	3040	36912	2.21%	0.049%
313	19.241	19.201	19.284	VV	3781	171469	10.26%	0.227%
314	19.302	19.284	19.321	VV	3472	72219	4.32%	0.096%
315	19.349	19.321	19.381	VV	3450	118868	7.11%	0.157%
316	19.390	19.381	19.404	VV	3377	43722	2.62%	0.058%
317	19.577	19.541	19.597	VV	3711	115131	6.89%	0.152%
318	19.655	19.644	19.668	VV	3844	54014	3.23%	0.071%
319	19.682	19.668	19.693	VV	3788	55540	3.32%	0.073%
320	19.737	19.693	19.781	VV	4114	203929	12.20%	0.270%
321	19.876	19.843	19.901	VV	4685	156579	9.37%	0.207%
322	19.972	19.955	20.030	VV	4587	203465	12.17%	0.269%
323	20.045	20.030	20.064	VV	4833	94108	5.63%	0.124%
324	20.073	20.064	20.086	VV	4692	62568	3.74%	0.083%
325	20.099	20.086	20.114	VV	4803	79205	4.74%	0.105%
326	20.276	20.263	20.292	VV	5728	97578	5.84%	0.129%
327	20.329	20.292	20.336	VV	5693	145244	8.69%	0.192%
328	20.367	20.336	20.388	VV	6003	181013	10.83%	0.239%
329	20.399	20.388	20.409	VV	6045	76555	4.58%	0.101%
330	20.444	20.409	20.498	VV	6172	311958	18.66%	0.413%
331	20.511	20.498	20.521	VV	5724	76220	4.56%	0.101%
332	20.543	20.521	20.594	VV	6096	245857	14.71%	0.325%
333	20.616	20.594	20.626	VV	5506	102900	6.16%	0.136%
334	20.771	20.758	20.864	VV	5692	344748	20.62%	0.456%
335	20.872	20.864	20.894	VV	5080	88350	5.29%	0.117%
336	20.918	20.894	20.926	VV	5112	98188	5.87%	0.130%
337	20.949	20.926	20.980	VV	5366	164838	9.86%	0.218%
338	21.029	21.014	21.041	VV	4896	77591	4.64%	0.103%
339	21.059	21.041	21.088	VV	4915	133473	7.98%	0.177%
340	21.094	21.088	21.124	VV	4742	99730	5.97%	0.132%
341	21.237	21.227	21.274	VV	4390	122508	7.33%	0.162%
342	21.287	21.274	21.311	VV	4373	94308	5.64%	0.125%
343	21.404	21.354	21.446	VV	4409	231482	13.85%	0.306%
344	21.579	21.574	21.598	VV	3897	52921	3.17%	0.070%
345	21.611	21.598	21.622	VV	3798	53937	3.23%	0.071%
346	21.638	21.622	21.648	VV	3785	57831	3.46%	0.076%
347	21.661	21.648	21.691	VV	3697	94553	5.66%	0.125%
348	21.713	21.691	21.748	VV	3693	121743	7.28%	0.161%
349	21.831	21.821	21.884	VV	3521	129468	7.74%	0.171%
350	21.997	21.961	22.027	VV	3345	130521	7.81%	0.173%
351	22.039	22.027	22.061	VV	3244	64465	3.86%	0.085%

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352	22.069	22.061	22.087	VV	3336	52071	3.11%	0.069%	
353	22.124	22.116	22.133	VV	3264	34166	2.04%	0.045%	
354	22.160	22.133	22.174	VV	3325	79437	4.75%	0.105%	
355	22.369	22.358	22.378	VBA	2753	42422	2.54%	0.056%	

Sum of corrected areas: 75620659

Aliphatic EPH 071525.M Thu Jul 17 11:46:04 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-09DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049572.D	5	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	46.5		0.70	3.91	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.4		1.35	5.86	mg/kg
Aromatic C16-C21	Aromatic C16-C21	24.5		2.34	9.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	70.5		6.97	15.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.64		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	8.98		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	8.46		40 - 140	85%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-09DL	Acq On:	17 Jul 2025 11:07
Client Sample ID:	END-OF-TRENCHDL	Operator:	YP/AJ
Data file:	FD049572.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.430	6.172	16402340	119.053	200	ug/ml
Aromatic C12-C16	6.173	8.799	4974960	31.828	300	ug/ml
Aromatic C16-C21	8.800	13.090	11695319	72.514	500	ug/ml
Aromatic C21-C36	13.091	18.508	23658524	168.962	800	ug/ml
Aromatic EPH	4.430	18.508	56731143	392.356		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	1261096	9.64		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	831658	8.98		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	1387306	8.46		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049572.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 11:07
 Operator : YP/AJ
 Sample : Q2600-09DL 5X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 END-OF-TRENCHDL

Integration File: autoint1.e
 Quant Time: Jul 17 11:55:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.734	1261096	9.639 ug/ml
Spiked Amount 50.000		Recovery =	19.28%
6) S 2-Fluorobiphenyl (SURR)	8.599	831658	8.975 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	17.95%
11) S ortho-Terphenyl (SURR)	11.642	1387306	8.461 ug/ml
Spiked Amount 50.000		Recovery =	16.92%

Target Compounds

(f)=RT Delta > 1/2 Window

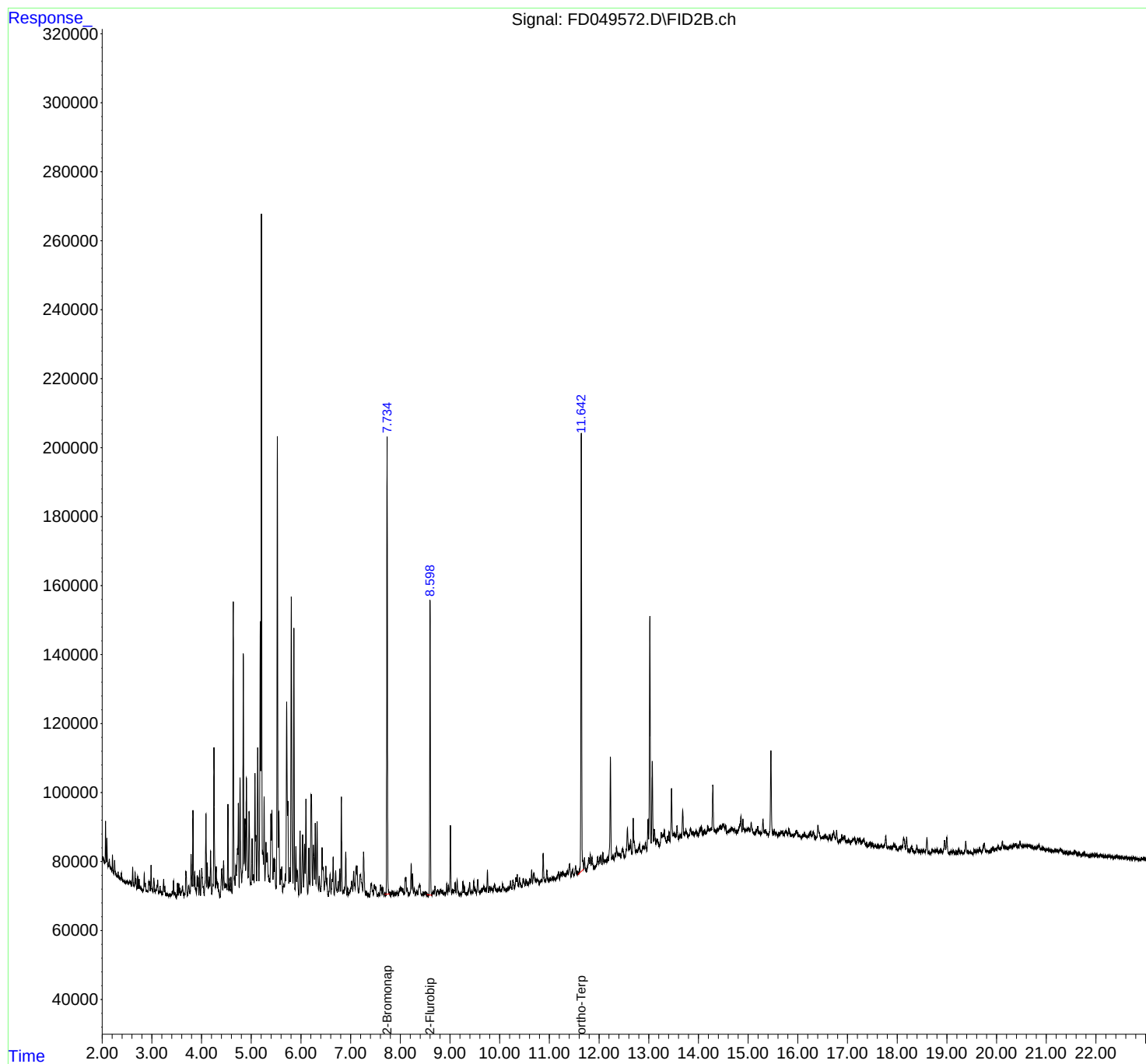
(m)=manual int.

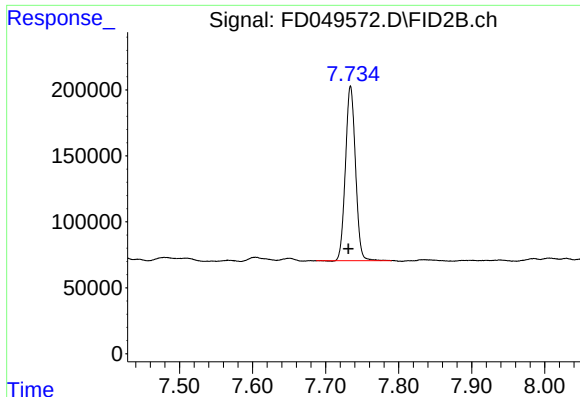
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
Data File : FD049572.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 11:07
Operator : YP/AJ
Sample : Q2600-09DL 5X
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
END-OF-TRENCHDL

Integration File: autoint1.e
Quant Time: Jul 17 11:55:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

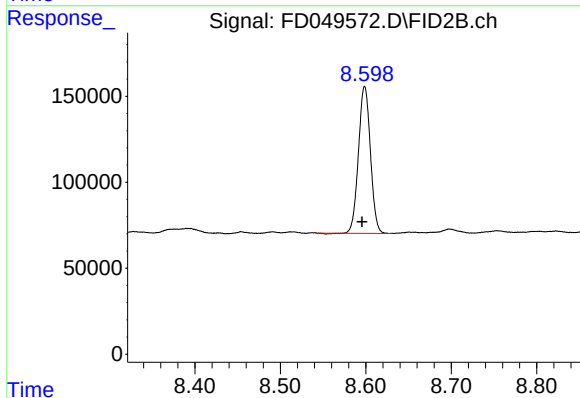




#4 2-Bromonaphthalene (SURR)

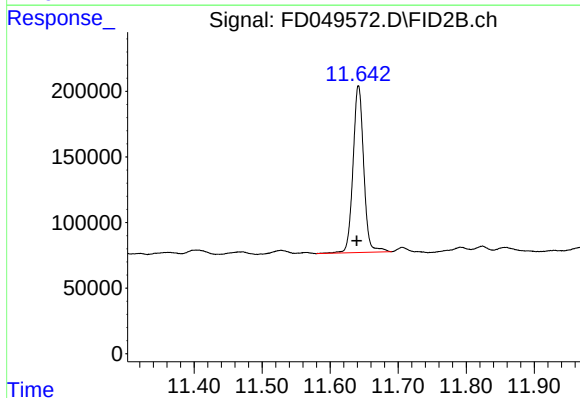
R.T.: 7.734 min
Delta R.T.: 0.003 min
Response: 1261096
Conc: 9.64 ug/ml

Instrument :
FID_D
ClientSampleId :
END-OF-TRENCHDL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: 0.003 min
Response: 831658
Conc: 8.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.003 min
Response: 1387306
Conc: 8.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
Data File : FD049572.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 11:07
Sample : Q2600-09DL 5X
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.332	4.323	4.345	PV	1534	8898	0.45%	0.015%
2	4.350	4.345	4.374	PV	651	1855	0.09%	0.003%
3	4.405	4.374	4.427	PV	8039	131641	6.71%	0.217%
4	4.444	4.427	4.467	VV	10559	137429	7.00%	0.226%
5	4.484	4.467	4.493	VV	3595	50282	2.56%	0.083%
6	4.500	4.493	4.513	VV	3706	36260	1.85%	0.060%
7	4.531	4.513	4.547	VV	26862	243506	12.41%	0.401%
8	4.559	4.547	4.578	VV	5010	61233	3.12%	0.101%
9	4.592	4.578	4.615	VV	5693	68765	3.50%	0.113%
10	4.637	4.615	4.675	VV	85521	834408	42.53%	1.373%
11	4.690	4.675	4.701	VV	9202	105516	5.38%	0.174%
12	4.723	4.701	4.730	VV	14062	188094	9.59%	0.310%
13	4.741	4.730	4.757	VV	27133	255953	13.04%	0.421%
14	4.775	4.757	4.808	VV	34594	432589	22.05%	0.712%
15	4.840	4.808	4.857	VV	70418	720180	36.70%	1.185%
16	4.874	4.857	4.887	VV	22676	275918	14.06%	0.454%
17	4.903	4.887	4.937	VV	34518	494847	25.22%	0.814%
18	4.957	4.937	4.982	VV	24781	359902	18.34%	0.592%
19	4.988	4.982	4.996	VV	4253	34606	1.76%	0.057%
20	5.017	4.996	5.032	VV	16912	200582	10.22%	0.330%
21	5.042	5.032	5.057	VV	6454	84828	4.32%	0.140%
22	5.075	5.057	5.087	VV	35857	373504	19.04%	0.615%
23	5.093	5.087	5.109	VV	17990	160128	8.16%	0.264%
24	5.130	5.109	5.155	VV	43341	571534	29.13%	0.941%
25	5.181	5.155	5.191	VV	79857	842513	42.94%	1.386%
26	5.205	5.191	5.247	VV	197131	1962127	100.00%	3.229%
27	5.259	5.247	5.276	VV	28842	279088	14.22%	0.459%
28	5.297	5.276	5.311	VV	15884	236092	12.03%	0.389%
29	5.324	5.311	5.356	VV	12781	230706	11.76%	0.380%
30	5.365	5.356	5.375	VV	5317	54230	2.76%	0.089%
31	5.395	5.375	5.405	VV	24100	268242	13.67%	0.441%
32	5.416	5.405	5.437	VV	25135	306089	15.60%	0.504%
33	5.455	5.437	5.465	VV	11142	138293	7.05%	0.228%
34	5.475	5.465	5.496	VV	11048	124918	6.37%	0.206%
35	5.526	5.496	5.544	VV	133342	1316919	67.12%	2.167%
36	5.556	5.544	5.580	VV	24746	307191	15.66%	0.506%

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37	5.594	5.580	5.605	VV	8053	92311	4.70%	0.152%
38	5.615	5.605	5.631	VV	8799	84757	4.32%	0.139%
39	5.660	5.631	5.669	VV	3481	63928	3.26%	0.105%
40	5.684	5.669	5.693	VV	6774	72957	3.72%	0.120%
41	5.713	5.693	5.730	VV	56567	695371	35.44%	1.144%
42	5.737	5.730	5.758	VV	27830	271320	13.83%	0.446%
43	5.774	5.758	5.785	VV	8563	98137	5.00%	0.161%
44	5.807	5.785	5.840	VV	87081	1075330	54.80%	1.770%
45	5.859	5.840	5.882	VV	77902	741815	37.81%	1.221%
46	5.899	5.882	5.914	VV	14665	156218	7.96%	0.257%
47	5.927	5.914	5.957	VV	7709	118622	6.05%	0.195%
48	5.983	5.957	6.003	VV	19209	220183	11.22%	0.362%
49	6.034	6.003	6.054	VV	18040	264881	13.50%	0.436%
50	6.073	6.054	6.087	VV	15202	184048	9.38%	0.303%
51	6.102	6.087	6.136	VV	28432	345906	17.63%	0.569%
52	6.160	6.136	6.179	VV	14198	160084	8.16%	0.263%
53	6.209	6.179	6.234	VV	29764	530133	27.02%	0.872%
54	6.251	6.234	6.274	VV	15081	237572	12.11%	0.391%
55	6.289	6.274	6.305	VV	21400	223115	11.37%	0.367%
56	6.326	6.305	6.355	VV	21778	290303	14.80%	0.478%
57	6.370	6.355	6.398	VV	5942	86536	4.41%	0.142%
58	6.426	6.398	6.440	VV	14270	183859	9.37%	0.303%
59	6.449	6.440	6.471	VV	8402	116906	5.96%	0.192%
60	6.503	6.471	6.515	VV	8910	136874	6.98%	0.225%
61	6.523	6.515	6.552	VV	5387	54257	2.77%	0.089%
62	6.587	6.552	6.606	VV	6586	101883	5.19%	0.168%
63	6.628	6.606	6.635	VV	5031	62399	3.18%	0.103%
64	6.649	6.635	6.672	VV	11525	126946	6.47%	0.209%
65	6.700	6.672	6.717	VV	7611	100443	5.12%	0.165%
66	6.722	6.717	6.734	VV	2205	19066	0.97%	0.031%
67	6.751	6.734	6.764	VV	4358	52046	2.65%	0.086%
68	6.782	6.764	6.799	VV	8044	92433	4.71%	0.152%
69	6.814	6.799	6.844	VV	28958	290904	14.83%	0.479%
70	6.856	6.844	6.867	VV	2016	21776	1.11%	0.036%
71	6.903	6.867	6.926	VV	13125	168086	8.57%	0.277%
72	6.941	6.926	6.960	VV	2449	28812	1.47%	0.047%
73	7.024	6.960	7.045	VV	4311	118474	6.04%	0.195%
74	7.063	7.045	7.077	VV	7412	90917	4.63%	0.150%
75	7.082	7.077	7.092	VV	3746	29457	1.50%	0.048%
76	7.108	7.092	7.118	VV	8631	100041	5.10%	0.165%
77	7.130	7.118	7.158	VV	8962	124949	6.37%	0.206%
78	7.191	7.158	7.197	VV	6473	83395	4.25%	0.137%
79	7.203	7.197	7.244	VV	6453	118836	6.06%	0.196%
80	7.262	7.244	7.306	VV	13066	194543	9.91%	0.320%
81	7.311	7.306	7.325	VV	1223	11865	0.60%	0.020%
82	7.329	7.325	7.346	VV	1070	9218	0.47%	0.015%
83	7.361	7.346	7.375	VV	913	9504	0.48%	0.016%
84	7.418	7.375	7.437	PV	3800	78605	4.01%	0.129%
85	7.444	7.437	7.457	VV	1890	17661	0.90%	0.029%
86	7.479	7.457	7.502	VV	3239	64478	3.29%	0.106%
87	7.510	7.502	7.540	VV	2687	34822	1.77%	0.057%
88	7.545	7.540	7.551	VV	487	2723	0.14%	0.004%
89	7.567	7.551	7.584	VV	1117	13747	0.70%	0.023%

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90	7.604	7.584	7.633	VV	3359	58571	2.99%	0.096%
91	7.650	7.633	7.669	VV	2582	34948	1.78%	0.058%
92	7.680	7.669	7.709	VV	817	15534	0.79%	0.026%
93	7.734	7.709	7.777	VV	133143	1292469	65.87%	2.127%
94	7.780	7.777	7.805	VV	1061	12969	0.66%	0.021%
95	7.814	7.805	7.819	VV	727	4744	0.24%	0.008%
96	7.836	7.819	7.877	VV	1491	33164	1.69%	0.055%
97	7.902	7.877	7.909	VV	1060	15957	0.81%	0.026%
98	7.921	7.909	7.926	VV	976	9181	0.47%	0.015%
99	7.939	7.926	7.962	VV	1222	17790	0.91%	0.029%
100	7.986	7.962	7.995	VV	2352	30577	1.56%	0.050%
101	8.006	7.995	8.021	VV	2726	34774	1.77%	0.057%
102	8.030	8.021	8.040	VV	2581	24143	1.23%	0.040%
103	8.052	8.040	8.067	VV	2073	24241	1.24%	0.040%
104	8.076	8.067	8.082	VV	867	6972	0.36%	0.011%
105	8.101	8.082	8.107	VV	5362	49697	2.53%	0.082%
106	8.114	8.107	8.130	VV	5511	55076	2.81%	0.091%
107	8.140	8.130	8.168	VV	2353	31143	1.59%	0.051%
108	8.181	8.168	8.187	VV	653	7007	0.36%	0.012%
109	8.219	8.187	8.234	VV	9408	112892	5.75%	0.186%
110	8.247	8.234	8.265	VV	6561	69439	3.54%	0.114%
111	8.283	8.265	8.305	VV	2301	33841	1.72%	0.056%
112	8.329	8.305	8.351	VV	1490	27205	1.39%	0.045%
113	8.392	8.351	8.422	VV	3249	86579	4.41%	0.142%
114	8.428	8.422	8.439	VV	626	4620	0.24%	0.008%
115	8.454	8.439	8.473	VV	1354	13932	0.71%	0.023%
116	8.491	8.473	8.501	VV	1303	13711	0.70%	0.023%
117	8.513	8.501	8.530	VV	1234	15250	0.78%	0.025%
118	8.538	8.530	8.554	VV	716	6665	0.34%	0.011%
119	8.599	8.554	8.630	PV	85853	847516	43.19%	1.395%
120	8.651	8.630	8.670	VV	1029	17054	0.87%	0.028%
121	8.698	8.670	8.729	VV	2790	47262	2.41%	0.078%
122	8.754	8.729	8.774	VV	1833	32438	1.65%	0.053%
123	8.803	8.774	8.810	VV	1429	24789	1.26%	0.041%
124	8.822	8.810	8.845	VV	1677	24380	1.24%	0.040%
125	8.858	8.845	8.872	VV	1180	13487	0.69%	0.022%
126	8.896	8.872	8.901	VV	745	10378	0.53%	0.017%
127	8.904	8.901	8.913	VV	658	4418	0.23%	0.007%
128	8.935	8.913	8.955	VV	3545	46586	2.37%	0.077%
129	8.969	8.955	8.986	VV	2922	35789	1.82%	0.059%
130	9.009	8.986	9.030	VV	20225	210450	10.73%	0.346%
131	9.041	9.030	9.047	VV	1094	10038	0.51%	0.017%
132	9.060	9.047	9.073	VV	1817	20833	1.06%	0.034%
133	9.104	9.073	9.120	VV	3650	53987	2.75%	0.089%
134	9.144	9.120	9.182	VV	4457	66694	3.40%	0.110%
135	9.201	9.182	9.219	VV	492	6053	0.31%	0.010%
136	9.260	9.219	9.276	PV	3975	50780	2.59%	0.084%
137	9.291	9.276	9.316	VV	2382	26927	1.37%	0.044%
138	9.338	9.316	9.353	VV	633	8723	0.44%	0.014%
139	9.376	9.353	9.382	VV	1497	14303	0.73%	0.024%
140	9.396	9.382	9.422	VV	3462	43370	2.21%	0.071%
141	9.440	9.422	9.457	VV	944	11842	0.60%	0.019%

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142	9.478	9.457	9.494	VV	3957	43769	2.23%	0.072%
143	9.505	9.494	9.531	VV	1714	22295	1.14%	0.037%
144	9.559	9.531	9.587	VV	4190	63569	3.24%	0.105%
145	9.597	9.587	9.612	VV	647	7060	0.36%	0.012%
146	9.630	9.612	9.645	VV	1199	13960	0.71%	0.023%
147	9.659	9.645	9.670	VV	1441	17621	0.90%	0.029%
148	9.682	9.670	9.703	VV	2081	26111	1.33%	0.043%
149	9.725	9.703	9.735	VV	1219	17745	0.90%	0.029%
150	9.754	9.735	9.781	VV	6565	73137	3.73%	0.120%
151	9.799	9.781	9.820	VV	1856	25908	1.32%	0.043%
152	9.832	9.820	9.843	VV	1284	13649	0.70%	0.022%
153	9.850	9.843	9.867	VV	1051	10371	0.53%	0.017%
154	9.897	9.867	9.915	VV	2102	42231	2.15%	0.069%
155	9.920	9.915	9.949	VV	1090	15537	0.79%	0.026%
156	9.962	9.949	9.975	VV	955	10896	0.56%	0.018%
157	9.994	9.975	10.029	VV	1307	20946	1.07%	0.034%
158	10.059	10.029	10.094	PV	2398	43453	2.21%	0.072%
159	10.097	10.094	10.107	VV	669	4673	0.24%	0.008%
160	10.111	10.107	10.129	VV	600	6827	0.35%	0.011%
161	10.134	10.129	10.142	VV	518	3347	0.17%	0.006%
162	10.161	10.142	10.177	VV	885	12844	0.65%	0.021%
163	10.187	10.177	10.192	VV	779	6119	0.31%	0.010%
164	10.218	10.192	10.244	VV	2938	46925	2.39%	0.077%
165	10.269	10.244	10.297	VV	2982	55553	2.83%	0.091%
166	10.326	10.297	10.339	VV	3764	58988	3.01%	0.097%
167	10.353	10.339	10.380	VV	4595	70912	3.61%	0.117%
168	10.399	10.380	10.445	VV	3655	75110	3.83%	0.124%
169	10.472	10.445	10.485	VV	3257	51565	2.63%	0.085%
170	10.488	10.485	10.510	VV	2454	28455	1.45%	0.047%
171	10.535	10.510	10.557	VV	2836	58547	2.98%	0.096%
172	10.564	10.557	10.581	VV	1783	22489	1.15%	0.037%
173	10.605	10.581	10.623	VV	2930	57161	2.91%	0.094%
174	10.644	10.623	10.661	VV	5568	78867	4.02%	0.130%
175	10.689	10.661	10.737	VV	4444	138585	7.06%	0.228%
176	10.755	10.737	10.764	VV	2622	39320	2.00%	0.065%
177	10.773	10.764	10.796	VV	2396	38045	1.94%	0.063%
178	10.819	10.796	10.823	VV	2131	28642	1.46%	0.047%
179	10.838	10.823	10.851	VV	2509	37732	1.92%	0.062%
180	10.875	10.851	10.911	VV	10222	165991	8.46%	0.273%
181	10.915	10.911	10.928	VV	2172	21506	1.10%	0.035%
182	10.951	10.928	10.995	VV	5111	120873	6.16%	0.199%
183	11.017	10.995	11.035	VV	2945	58265	2.97%	0.096%
184	11.057	11.035	11.075	VV	3165	59031	3.01%	0.097%
185	11.094	11.075	11.113	VV	2995	58816	3.00%	0.097%
186	11.119	11.113	11.123	VV	2449	13829	0.70%	0.023%
187	11.130	11.123	11.136	VV	2538	17945	0.91%	0.030%
188	11.185	11.136	11.205	VV	4390	130246	6.64%	0.214%
189	11.234	11.205	11.249	VV	4078	88852	4.53%	0.146%
190	11.265	11.249	11.291	VV	4308	94643	4.82%	0.156%
191	11.297	11.291	11.307	VV	3693	34980	1.78%	0.058%
192	11.321	11.307	11.332	VV	3584	48821	2.49%	0.080%
193	11.363	11.332	11.382	VV	4325	113174	5.77%	0.186%
194	11.404	11.382	11.437	VV	6008	150125	7.65%	0.247%

					rteres			
195	11.471	11.437	11.493	VV	4674	123376	6.29%	0.203%
196	11.528	11.493	11.550	VV	5727	141991	7.24%	0.234%
197	11.566	11.550	11.580	VV	4044	65449	3.34%	0.108%
198	11.642	11.580	11.690	VV	131049	1639573	83.56%	2.698%
199	11.706	11.690	11.744	VV	7798	171977	8.76%	0.283%
200	11.792	11.744	11.807	VV	7724	211061	10.76%	0.347%
201	11.824	11.807	11.840	VV	8565	137346	7.00%	0.226%
202	11.858	11.840	11.907	VV	7487	232630	11.86%	0.383%
203	11.930	11.907	11.936	VV	5140	81320	4.14%	0.134%
204	11.938	11.936	11.943	VV	4967	21623	1.10%	0.036%
205	11.972	11.943	11.992	VV	7695	187288	9.55%	0.308%
206	12.012	11.992	12.025	VV	7405	127752	6.51%	0.210%
207	12.040	12.025	12.057	VV	8061	134648	6.86%	0.222%
208	12.077	12.057	12.101	VV	8719	182511	9.30%	0.300%
209	12.121	12.101	12.132	VV	6605	115145	5.87%	0.189%
210	12.146	12.132	12.158	VV	6770	101956	5.20%	0.168%
211	12.176	12.158	12.190	VV	7477	129803	6.62%	0.214%
212	12.229	12.190	12.263	VV	36304	646682	32.96%	1.064%
213	12.282	12.263	12.303	VV	7502	166112	8.47%	0.273%
214	12.323	12.303	12.336	VV	8343	150522	7.67%	0.248%
215	12.351	12.336	12.384	VV	10109	245342	12.50%	0.404%
216	12.390	12.384	12.406	VV	7979	105196	5.36%	0.173%
217	12.420	12.406	12.444	VV	7943	167983	8.56%	0.276%
218	12.464	12.444	12.473	VV	9324	148175	7.55%	0.244%
219	12.480	12.473	12.512	VV	9298	188811	9.62%	0.311%
220	12.518	12.512	12.523	VV	6892	45597	2.32%	0.075%
221	12.571	12.523	12.595	VV	15302	447167	22.79%	0.736%
222	12.609	12.595	12.618	VV	10266	133745	6.82%	0.220%
223	12.635	12.618	12.664	VV	11840	261961	13.35%	0.431%
224	12.688	12.664	12.704	VV	17948	302359	15.41%	0.498%
225	12.709	12.704	12.735	VV	11088	178384	9.09%	0.294%
226	12.748	12.735	12.772	VV	8687	184248	9.39%	0.303%
227	12.794	12.772	12.800	VV	9343	147879	7.54%	0.243%
228	12.814	12.800	12.835	VV	10329	194138	9.89%	0.319%
229	12.844	12.835	12.856	VV	8345	98841	5.04%	0.163%
230	12.877	12.856	12.893	VV	9394	199821	10.18%	0.329%
231	12.902	12.893	12.914	VV	9416	113646	5.79%	0.187%
232	12.936	12.914	12.961	VV	10572	270487	13.79%	0.445%
233	12.985	12.961	12.999	VV	17202	284456	14.50%	0.468%
234	13.023	12.999	13.048	VV	75692	1029644	52.48%	1.694%
235	13.072	13.048	13.096	VV	33839	568359	28.97%	0.935%
236	13.115	13.096	13.148	VV	14166	367277	18.72%	0.604%
237	13.170	13.148	13.185	VV	11299	240573	12.26%	0.396%
238	13.191	13.185	13.208	VV	10426	136192	6.94%	0.224%
239	13.251	13.208	13.266	VV	13167	378472	19.29%	0.623%
240	13.291	13.266	13.301	VV	12393	251921	12.84%	0.415%
241	13.314	13.301	13.361	VV	13872	418842	21.35%	0.689%
242	13.380	13.361	13.393	VV	11850	213599	10.89%	0.352%
243	13.409	13.393	13.426	VV	13062	230985	11.77%	0.380%
244	13.459	13.426	13.490	VV	25537	606435	30.91%	0.998%
245	13.508	13.490	13.526	VV	12366	262023	13.35%	0.431%
246	13.531	13.526	13.550	VV	12187	165728	8.45%	0.273%

rteres								
247	13.570	13.550	13.599	VV	14532	370462	18.88%	0.610%
248	13.619	13.599	13.630	VV	11870	214701	10.94%	0.353%
249	13.647	13.630	13.660	VV	12046	201901	10.29%	0.332%
250	13.684	13.660	13.712	VV	19013	455491	23.21%	0.750%
251	13.718	13.712	13.723	VV	12199	81658	4.16%	0.134%
252	13.749	13.723	13.790	VV	13332	487023	24.82%	0.801%
253	13.804	13.790	13.818	VV	11673	197204	10.05%	0.325%
254	13.842	13.818	13.871	VV	13570	396421	20.20%	0.652%
255	13.876	13.871	13.880	VV	12266	67105	3.42%	0.110%
256	13.887	13.880	13.906	VV	12469	191992	9.78%	0.316%
257	14.025	13.997	14.036	VV	13013	285797	14.57%	0.470%
258	14.055	14.036	14.094	VV	13702	438854	22.37%	0.722%
259	14.118	14.094	14.150	VV	12606	407347	20.76%	0.670%
260	14.228	14.210	14.236	VV	12884	197149	10.05%	0.324%
261	14.256	14.236	14.265	VV	13179	224520	11.44%	0.369%
262	14.384	14.363	14.398	VV	12797	261173	13.31%	0.430%
263	14.420	14.398	14.425	VV	12887	206784	10.54%	0.340%
264	14.489	14.462	14.495	VV	13881	258860	13.19%	0.426%
265	14.509	14.495	14.532	VV	14014	298711	15.22%	0.492%
266	14.546	14.532	14.569	VV	13562	280701	14.31%	0.462%
267	14.577	14.569	14.583	VV	11516	97537	4.97%	0.161%
268	14.596	14.583	14.616	VV	11869	231254	11.79%	0.381%
269	14.650	14.616	14.657	VV	12457	295813	15.08%	0.487%
270	14.669	14.657	14.692	VV	12778	263939	13.45%	0.434%
271	14.697	14.692	14.715	VV	12293	168356	8.58%	0.277%
272	14.732	14.715	14.753	VV	12289	268974	13.71%	0.443%
273	14.760	14.753	14.771	VV	11443	118016	6.01%	0.194%
274	14.777	14.771	14.787	VV	11364	108004	5.50%	0.178%
275	14.856	14.787	14.874	VV	15810	679071	34.61%	1.117%
276	14.895	14.874	14.915	VV	14957	313608	15.98%	0.516%
277	14.920	14.915	14.938	VV	12194	164636	8.39%	0.271%
278	14.954	14.938	14.970	VV	11822	220363	11.23%	0.363%
279	15.016	15.009	15.032	VV	12268	164004	8.36%	0.270%
280	15.124	15.120	15.134	VV	10371	83962	4.28%	0.138%
281	15.195	15.134	15.214	VV	12329	536763	27.36%	0.883%
282	15.223	15.214	15.250	VV	10678	229108	11.68%	0.377%
283	15.261	15.250	15.265	VV	10347	89950	4.58%	0.148%
284	15.298	15.265	15.327	VV	14046	432239	22.03%	0.711%
285	15.350	15.327	15.400	VV	11288	458282	23.36%	0.754%
286	15.458	15.400	15.508	VV	33910	946115	48.22%	1.557%
287	15.527	15.508	15.544	VV	11207	224696	11.45%	0.370%
288	15.563	15.544	15.576	VV	10183	188678	9.62%	0.310%
289	15.582	15.576	15.597	VV	9683	115464	5.88%	0.190%
290	15.609	15.597	15.614	VV	9719	94888	4.84%	0.156%
291	15.626	15.614	15.637	VV	9628	134020	6.83%	0.221%
292	15.671	15.637	15.679	VV	10363	246029	12.54%	0.405%
293	15.758	15.725	15.767	VV	10441	248645	12.67%	0.409%
294	15.770	15.767	15.794	VV	10277	158083	8.06%	0.260%
295	15.820	15.794	15.871	VV	10853	443655	22.61%	0.730%
296	15.892	15.871	15.899	VV	9137	148863	7.59%	0.245%
297	15.905	15.899	15.926	VV	9166	145848	7.43%	0.240%
298	15.974	15.926	16.014	VV	10322	493587	25.16%	0.812%
299	16.031	16.014	16.084	VV	8859	351449	17.91%	0.578%

					rteres			
300	16.105	16.084	16.115	VV	8899	160092	8.16%	0.263%
301	16.135	16.115	16.150	VV	9090	185697	9.46%	0.306%
302	16.189	16.184	16.198	VV	8424	66732	3.40%	0.110%
303	16.208	16.198	16.217	VV	8357	93865	4.78%	0.154%
304	16.252	16.217	16.279	VV	9157	328055	16.72%	0.540%
305	16.309	16.279	16.360	VV	9461	408438	20.82%	0.672%
306	16.481	16.477	16.489	VV	7736	52235	2.66%	0.086%
307	16.510	16.489	16.517	VV	7563	125861	6.41%	0.207%
308	16.540	16.517	16.567	VV	8257	231218	11.78%	0.380%
309	16.570	16.567	16.575	VV	7591	37719	1.92%	0.062%
310	16.592	16.575	16.615	VV	7658	172778	8.81%	0.284%
311	16.637	16.615	16.674	VV	7925	259809	13.24%	0.428%
312	16.782	16.762	16.810	VV	9351	218351	11.13%	0.359%
313	16.839	16.810	16.849	VV	6271	139371	7.10%	0.229%
314	16.855	16.849	16.865	VV	6006	57665	2.94%	0.095%
315	16.885	16.865	16.901	VV	7937	148632	7.58%	0.245%
316	16.935	16.901	16.981	VV	7477	314152	16.01%	0.517%
317	16.988	16.981	16.995	VV	5764	49944	2.55%	0.082%
318	17.013	16.995	17.048	VV	6075	184543	9.41%	0.304%
319	17.054	17.048	17.072	VV	5607	77733	3.96%	0.128%
320	17.098	17.072	17.107	VV	5964	119787	6.10%	0.197%
321	17.141	17.107	17.170	VV	6576	226136	11.53%	0.372%
322	17.206	17.170	17.224	VV	6349	183632	9.36%	0.302%
323	17.246	17.224	17.275	VV	6393	171538	8.74%	0.282%
324	17.283	17.275	17.294	VV	5337	59026	3.01%	0.097%
325	17.330	17.294	17.356	VV	6090	199471	10.17%	0.328%
326	17.365	17.356	17.372	VV	4742	44269	2.26%	0.073%
327	17.375	17.372	17.426	VV	4564	134842	6.87%	0.222%
328	17.442	17.426	17.447	VV	4681	54939	2.80%	0.090%
329	17.451	17.447	17.499	VV	4769	131876	6.72%	0.217%
330	17.510	17.499	17.531	VV	4402	76910	3.92%	0.127%
331	17.554	17.531	17.589	VV	3926	124851	6.36%	0.205%
332	17.615	17.589	17.645	VV	3821	115513	5.89%	0.190%
333	17.673	17.645	17.678	VV	3636	67124	3.42%	0.110%
334	17.693	17.678	17.708	VV	3792	63044	3.21%	0.104%
335	17.720	17.708	17.732	VV	3536	47162	2.40%	0.078%
336	17.739	17.732	17.745	VV	3578	28535	1.45%	0.047%
337	17.821	17.803	17.825	VV	3136	40208	2.05%	0.066%
338	17.883	17.877	17.890	VV	2838	21822	1.11%	0.036%
339	17.901	17.890	17.913	VV	3065	40040	2.04%	0.066%
340	17.927	17.913	17.940	VV	3624	54894	2.80%	0.090%
341	17.953	17.940	17.985	VV	3638	79670	4.06%	0.131%
342	17.990	17.985	18.016	VV	2274	38876	1.98%	0.064%
343	18.027	18.016	18.031	VV	2250	18433	0.94%	0.030%
344	18.054	18.031	18.075	VV	2922	66709	3.40%	0.110%
345	18.127	18.106	18.168	VV	5354	143952	7.34%	0.237%
346	18.190	18.168	18.219	VV	5477	98299	5.01%	0.162%
347	18.233	18.219	18.251	VV	1743	29349	1.50%	0.048%
348	18.290	18.251	18.351	VV	2750	93359	4.76%	0.154%
349	18.364	18.351	18.377	VV	1087	14743	0.75%	0.024%
350	18.396	18.377	18.419	VV	2874	44383	2.26%	0.073%
351	18.423	18.419	18.430	VV	1004	6831	0.35%	0.011%

						rteres		
352	18.437	18.430	18.450	VV	1059	11404	0.58%	0.019%
353	18.460	18.450	18.469	VV	914	9074	0.46%	0.015%
354	18.484	18.469	18.517	VV	1236	25133	1.28%	0.041%
355	18.530	18.517	18.549	VV	1260	19247	0.98%	0.032%
356	18.552	18.549	18.561	VV	861	5652	0.29%	0.009%
357	18.598	18.561	18.643	VV	4852	84442	4.30%	0.139%
358	18.656	18.643	18.666	VV	372	3453	0.18%	0.006%
359	18.670	18.666	18.678	VV	215	1282	0.07%	0.002%
					Sum of corrected areas:	60767170		

Aromatic EPH 071525.M Thu Jul 17 12:12:36 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC071525AL

AreaCount

Parameter Range	FC069448.D	FC069449.D	FC069450.D	FC069451.D	FC069452.D	
Aliphatic C9-C12	40045369.000	19347816.000	8027560.000	4373179.000	2294433.000	
Aliphatic C12-C16	27682150.000	13377176.000	5535957.000	3031800.000	1581956.000	
Aliphatic C16-C21	39110534.000	19006400.000	7808775.000	4286297.000	2248262.000	
Aliphatic C21-C28	45569666.000	22124549.000	9106701.000	5004692.000	2628946.000	
Aliphatic C28-C40	50207637.000	24374390.000	10318570.000	5685866.000	3112078.000	
Aliphatic EPH	202615356.000	98230331.000	40797563.000	22381834.000	11865675.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138999.5006664	7.182				
Aliphatic C12-C16	144073.407	7.166				
Aliphatic C16-C21	135996.9459996	7.282				
Aliphatic C21-C28	118989.0545	7.458				
Aliphatic C28-C40	89883.162333	10.317				
Aliphatic EPH	118243.9636662	8.038				

Concentration

Parameter Range	FC069448.D	FC069449.D	FC069450.D	FC069451.D	FC069452.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	FC069448.D	FC069449.D	FC069450.D	FC069451.D	FC069452.D	
Aliphatic C9-C12	133484.563333	128985.440000	133792.666666	145772.633333	152962.200000	
Aliphatic C12-C16	138410.750000	133771.760000	138398.925000	151590.000000	158195.600000	
Aliphatic C16-C21	130368.446666	126709.333333	130146.250000	142876.566666	149884.133333	

Initial Calibration Report for SequenceID : FC071525AL

Aliphatic C21-C28	113924.165000	110622.745000	113833.762500	125117.300000	131447.300000	
Aliphatic C28-C40	83679.395000	81247.966666	85988.083333	94764.433333	103735.933333	
Aliphatic EPH	112564.086666	109144.812222	113326.563888	124343.522222	131840.833333	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069448.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 09:05
 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: Jul 15 10:58:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 10:56:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.679	14279406	100.233 ug/ml
Spiked Amount 50.000		Recovery =	200.47%
12) S 1-chlorooctadecane (S...	13.112	10923644	100.498 ug/ml
Spiked Amount 50.000		Recovery =	201.00%
Target Compounds			
1) T n-Nonane (C9)	3.407	13034330	99.691 ug/ml
2) T n-Decane (C10)	4.481	13354937	99.821 ug/ml
3) T A~Naphthalene (C11.7)	6.076	14466197	99.631 ug/ml
4) T n-Dodecane (C12)	6.506	13656102	100.133 ug/ml
5) T A~2-methylnaphthalene...	7.136	14050606	100.045 ug/ml
6) T n-Tetradecane (C14)	8.305	13682478	99.985 ug/ml
7) T n-Hexadecane (C16)	9.910	13999672	100.023 ug/ml
8) T n-Octadecane (C18)	11.356	13791460	99.999 ug/ml
10) T n-Eicosane (C20)	12.666	12862062	100.092 ug/ml
11) T n-Heneicosane (C21)	13.279	12457012	100.174 ug/ml
13) T n-Docosane (C22)	13.866	12185301	100.145 ug/ml
14) T n-Tetracosane (C24)	14.970	11718968	100.145 ug/ml
15) T n-Hexacosane (C26)	15.993	11141729	100.143 ug/ml
16) T n-Octacosane (C28)	16.944	10523668	99.693 ug/ml
17) T n-Tricontane (C30)	17.833	10222229	98.980 ug/ml
18) T n-Dotriacontane (C32)	18.666	9560238	98.467 ug/ml
19) T n-Tetratriacontane (C34)	19.449	8724728	98.453 ug/ml
20) T n-Hexatriacontane (C36)	20.191	7686807	98.499 ug/ml
21) T n-Octatriacontane (C38)	20.955	7121260	98.702 ug/ml
22) T n-Tetracontane (C40)	21.921	6892375	98.702 ug/ml

(f)=RT Delta > 1/2 Window

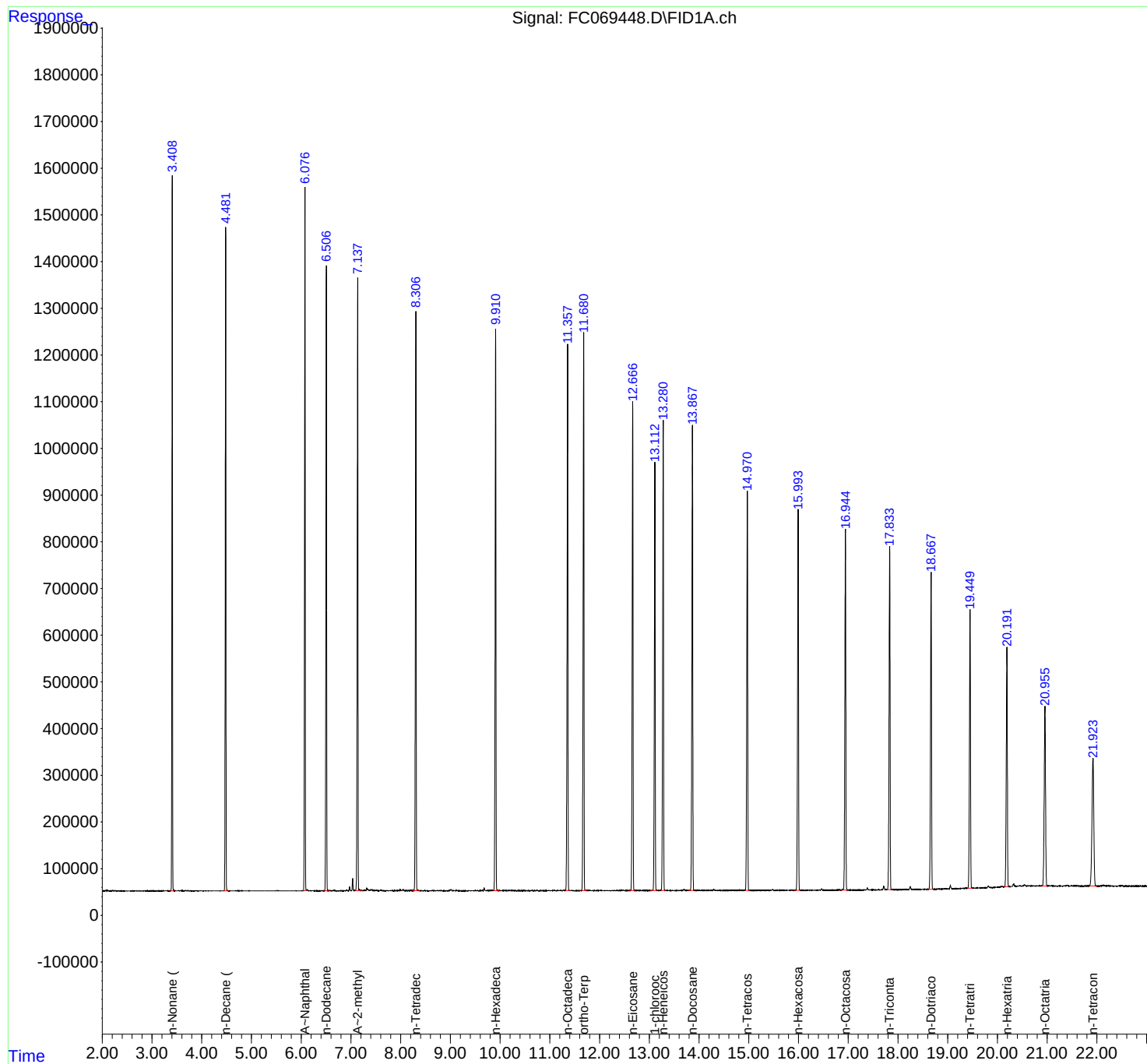
(m)=manual int.

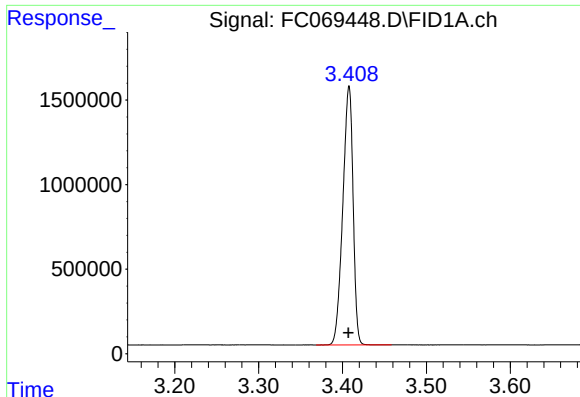
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069448.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 09:05
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 15 10:58:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 10:56:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

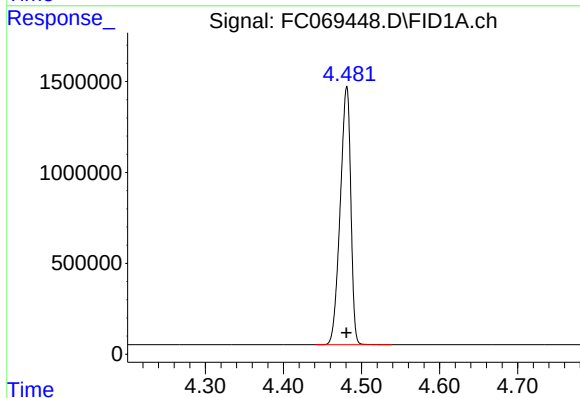




#1 n-Nonane (C9)

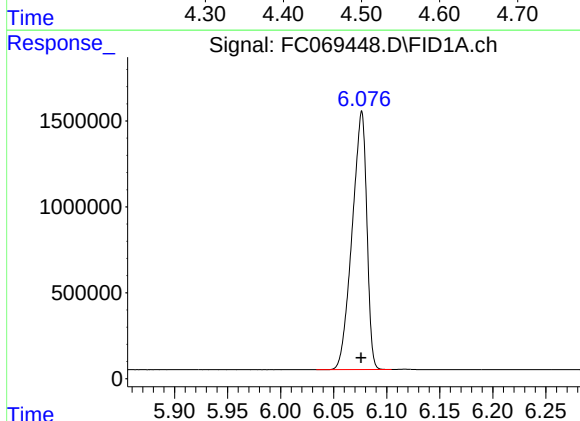
R.T.: 3.407 min
Delta R.T.: 0.000 min
Response: 13034330
Conc: 99.69 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



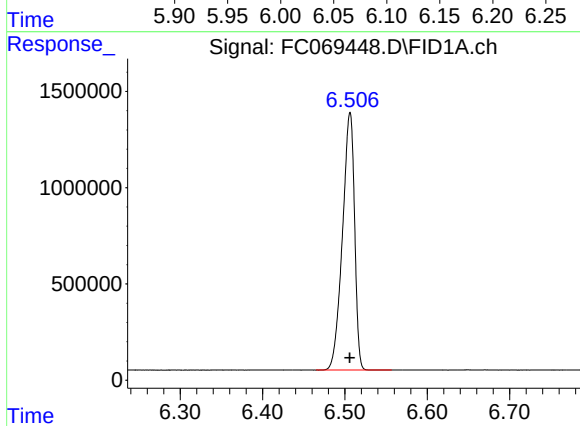
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 13354937
Conc: 99.82 ug/ml



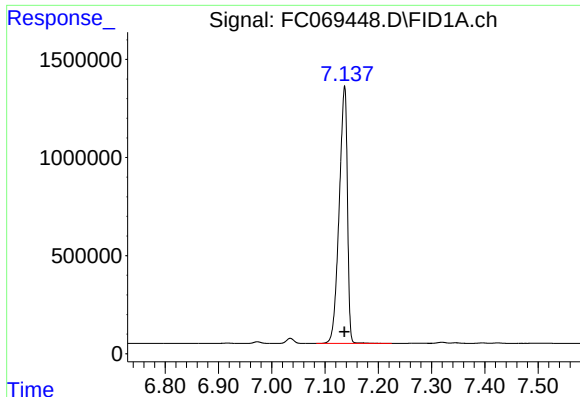
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 14466197
Conc: 99.63 ug/ml



#4 n-Dodecane (C12)

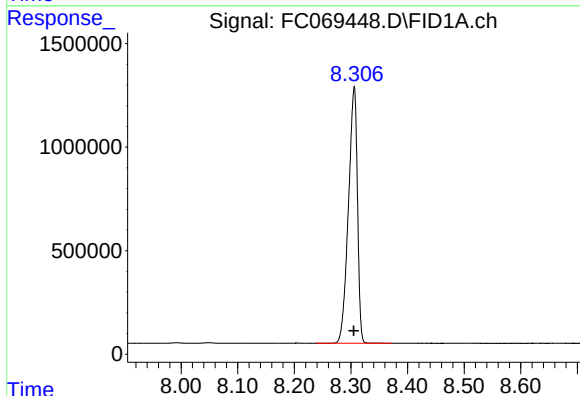
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 13656102
Conc: 100.13 ug/ml



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

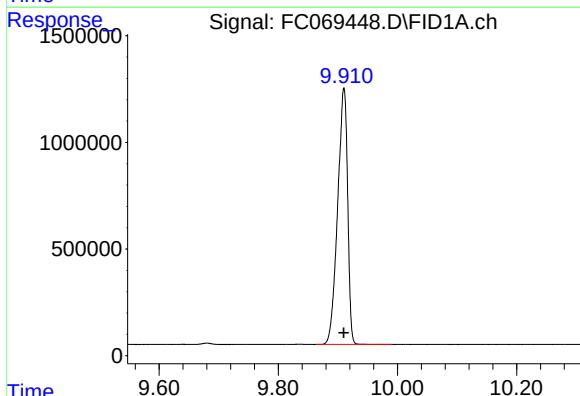
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 14050606
Conc: 100.05 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



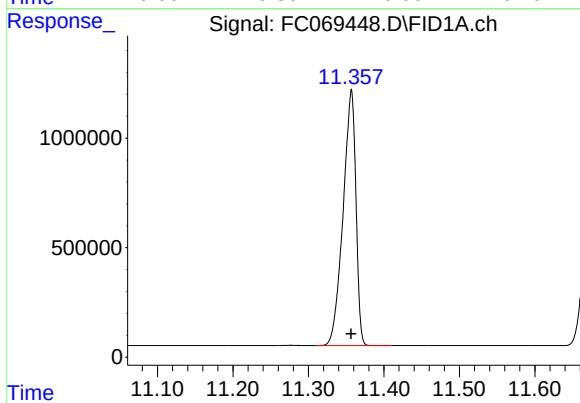
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: 0.000 min
Response: 13682478
Conc: 99.99 ug/ml



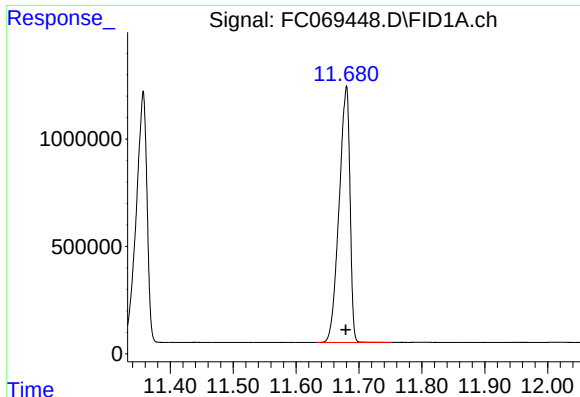
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 13999672
Conc: 100.02 ug/ml



#8 n-Octadecane (C18)

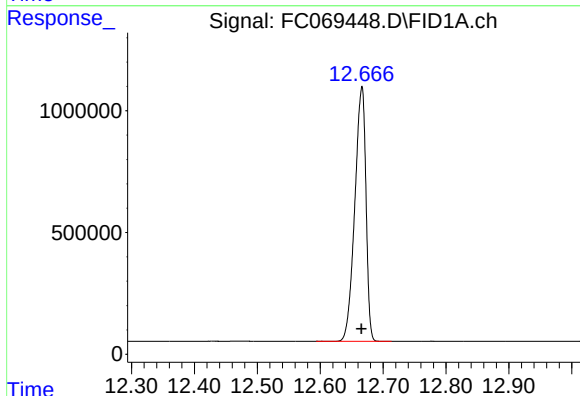
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 13791460
Conc: 100.00 ug/ml



#9 ortho-Terphenyl (SURR)

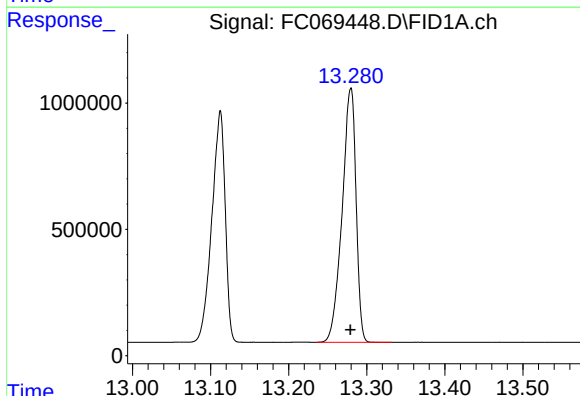
R.T.: 11.679 min
Delta R.T.: 0.000 min
Response: 14279406
Conc: 100.23 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



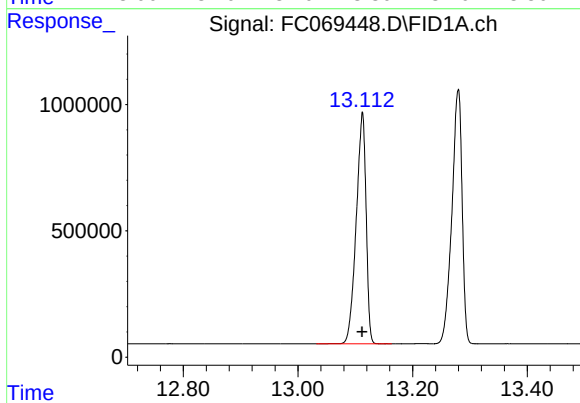
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: 0.000 min
Response: 12862062
Conc: 100.09 ug/ml



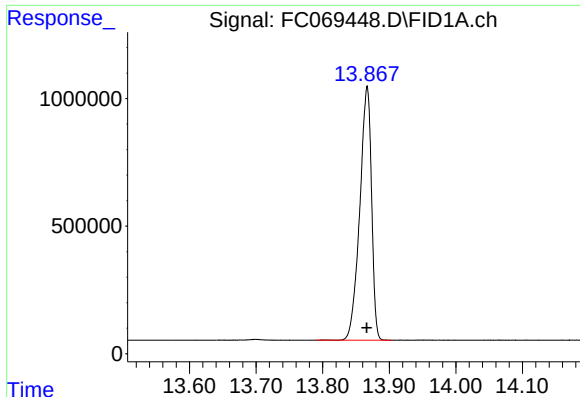
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: 0.000 min
Response: 12457012
Conc: 100.17 ug/ml



#12 1-chlorooctadecane (SURR)

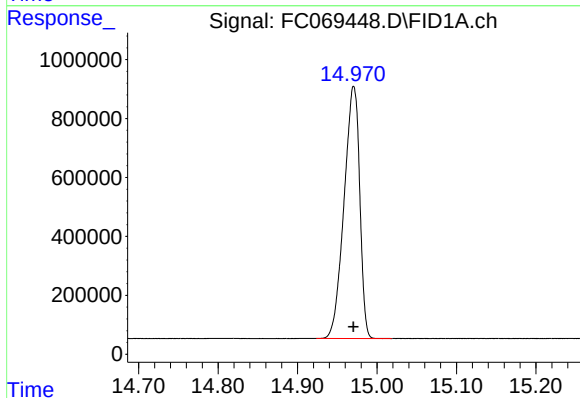
R.T.: 13.112 min
Delta R.T.: 0.000 min
Response: 10923644
Conc: 100.50 ug/ml



#13 n-Docosane (C22)

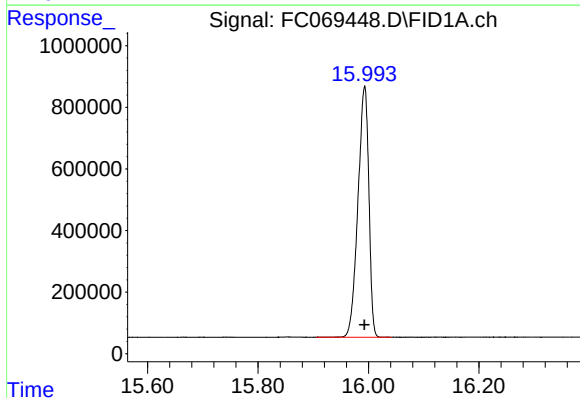
R.T.: 13.866 min
Delta R.T.: 0.000 min
Response: 12185301
Conc: 100.15 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



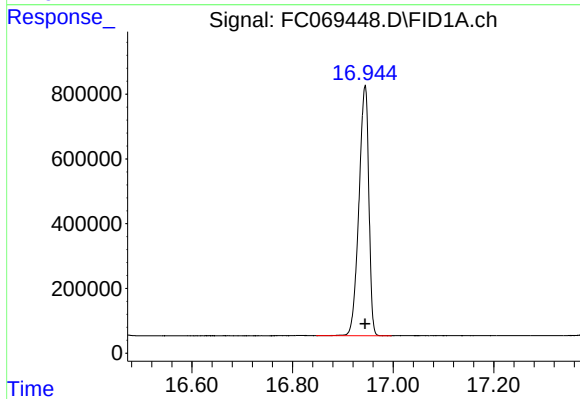
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: 0.000 min
Response: 11718968
Conc: 100.14 ug/ml



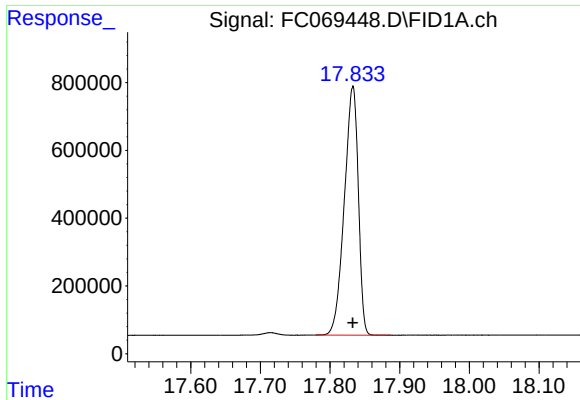
#15 n-Hexacosane (C26)

R.T.: 15.993 min
Delta R.T.: 0.000 min
Response: 11141729
Conc: 100.14 ug/ml



#16 n-Octacosane (C28)

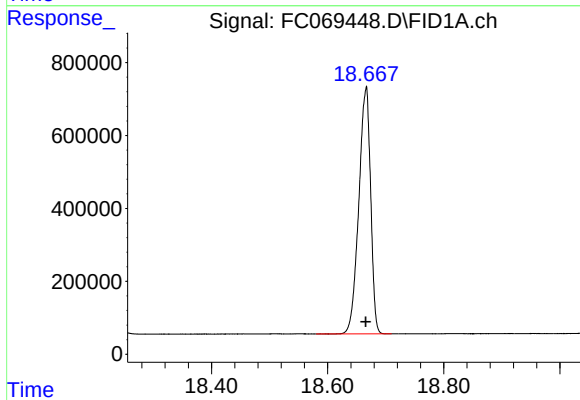
R.T.: 16.944 min
Delta R.T.: 0.000 min
Response: 10523668
Conc: 99.69 ug/ml



#17 n-Tricontane (C30)

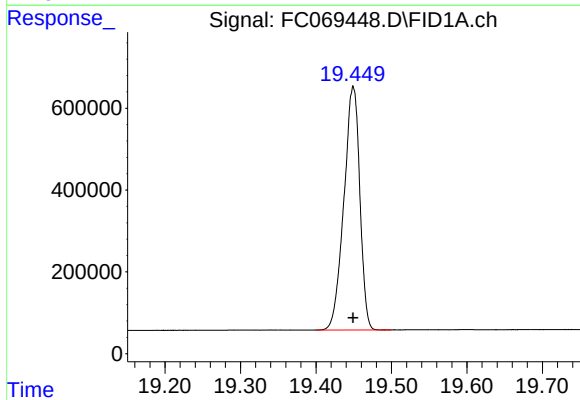
R.T.: 17.833 min
Delta R.T.: 0.000 min
Response: 10222229
Conc: 98.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



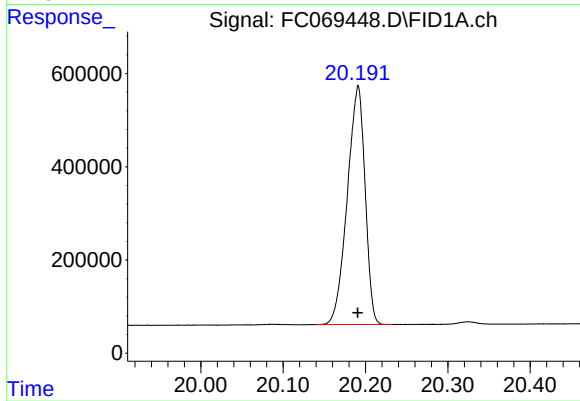
#18 n-Dotriacontane (C32)

R.T.: 18.666 min
Delta R.T.: 0.000 min
Response: 9560238
Conc: 98.47 ug/ml



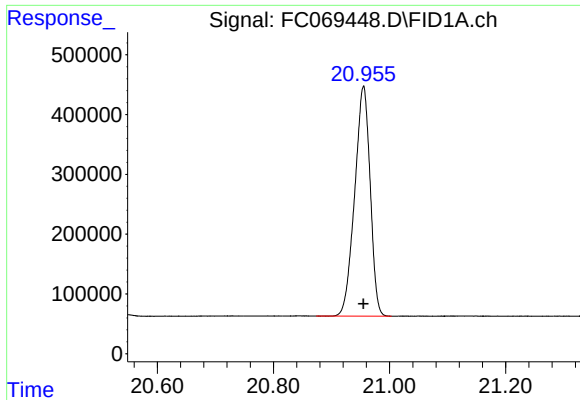
#19 n-Tetratriacontane (C34)

R.T.: 19.449 min
Delta R.T.: 0.000 min
Response: 8724728
Conc: 98.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.191 min
Delta R.T.: 0.000 min
Response: 7686807
Conc: 98.50 ug/ml



#21 n-Octatriacontane (C38)

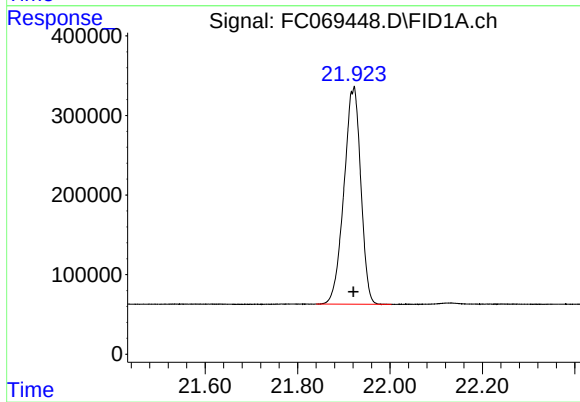
R.T.: 20.955 min
Delta R.T.: 0.000 min
Response: 7121260
Conc: 98.70 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.921 min
Delta R.T.: 0.000 min
Response: 6892375
Conc: 98.70 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069448.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 09:05
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 071525.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	3.407	3.368	3.458	BB	1522257	13034330	90.10%	5.085%
2	4.481	4.442	4.538	BB	1415387	13354937	92.32%	5.210%
3	6.076	6.033	6.105	BV	1483358	14466197	100.00%	5.643%
4	6.506	6.465	6.557	BB	1334251	13656102	94.40%	5.327%
5	7.136	7.083	7.225	BB	1318698	14050606	97.13%	5.481%
6	8.305	8.238	8.372	BB	1233035	13682478	94.58%	5.338%
7	9.910	9.863	9.990	BB	1204830	13999672	96.78%	5.461%
8	11.356	11.310	11.410	BB	1172409	13791460	95.34%	5.380%
9	11.679	11.632	11.752	BB	1172532	14279406	98.71%	5.571%
10	12.666	12.593	12.713	BB	1038076	12862062	88.91%	5.018%
11	13.112	13.032	13.163	BB	915373	10923644	75.51%	4.261%
12	13.279	13.235	13.332	PB	1003328	12457012	86.11%	4.860%
13	13.866	13.790	13.903	BB	999073	12185301	84.23%	4.754%
14	14.971	14.923	15.018	BB	857401	11718968	81.01%	4.572%
15	15.993	15.905	16.042	BB	818935	11141729	77.02%	4.347%
16	16.944	16.847	16.997	BB	770943	10523668	72.75%	4.105%
17	17.833	17.780	17.888	BB	732870	10222229	70.66%	3.988%
18	18.666	18.580	18.710	BB	669131	9560238	66.09%	3.730%
19	19.449	19.400	19.500	BB	594021	8724728	60.31%	3.404%
20	20.191	20.140	20.232	BB	509939	7686807	53.14%	2.999%
21	20.955	20.873	21.003	BB	384763	7121260	49.23%	2.778%
22	21.921	21.840	22.003	BB	272165	6892375	47.64%	2.689%
Sum of corrected areas:						256335210		

Aliphatic EPH 071525.M Tue Jul 15 12:41:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069449.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 09:50
 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: Jul 15 11:00:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 10:56:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.673	6934332	49.109 ug/ml
Spiked Amount 50.000		Recovery =	98.22%
12) S 1-chlorooctadecane (S...	13.107	5294608	49.133 ug/ml
Spiked Amount 50.000		Recovery =	98.27%
Target Compounds			
1) T n-Nonane (C9)	3.405	6306166	48.807 ug/ml
2) T n-Decane (C10)	4.477	6457064	48.828 ug/ml
3) T A~Naphthalene (C11.7)	6.071	7013053	48.854 ug/ml
4) T n-Dodecane (C12)	6.502	6584586	48.841 ug/ml
5) T A~2-methylnaphthalene...	7.131	6809757	48.982 ug/ml
6) T n-Tetradecane (C14)	8.301	6602714	48.819 ug/ml
7) T n-Hexadecane (C16)	9.905	6774462	48.923 ug/ml
8) T n-Octadecane (C18)	11.350	6695985	49.025 ug/ml
10) T n-Eicosane (C20)	12.662	6253714	49.103 ug/ml
11) T n-Heneicosane (C21)	13.274	6056701	49.129 ug/ml
13) T n-Docosane (C22)	13.862	5923068	49.111 ug/ml
14) T n-Tetracosane (C24)	14.966	5695887	49.108 ug/ml
15) T n-Hexacosane (C26)	15.988	5408177	49.064 ug/ml
16) T n-Octacosane (C28)	16.939	5097417	48.846 ug/ml
17) T n-Tricontane (C30)	17.828	4961375	48.676 ug/ml
18) T n-Dotriacontane (C32)	18.661	4644179	48.534 ug/ml
19) T n-Tetratriacontane (C34)	19.444	4230530	48.469 ug/ml
20) T n-Hexatriacontane (C36)	20.187	3732506	48.531 ug/ml
21) T n-Octatriacontane (C38)	20.951	3453731	48.559 ug/ml
22) T n-Tetracontane (C40)	21.915	3352069	48.651 ug/ml

(f)=RT Delta > 1/2 Window

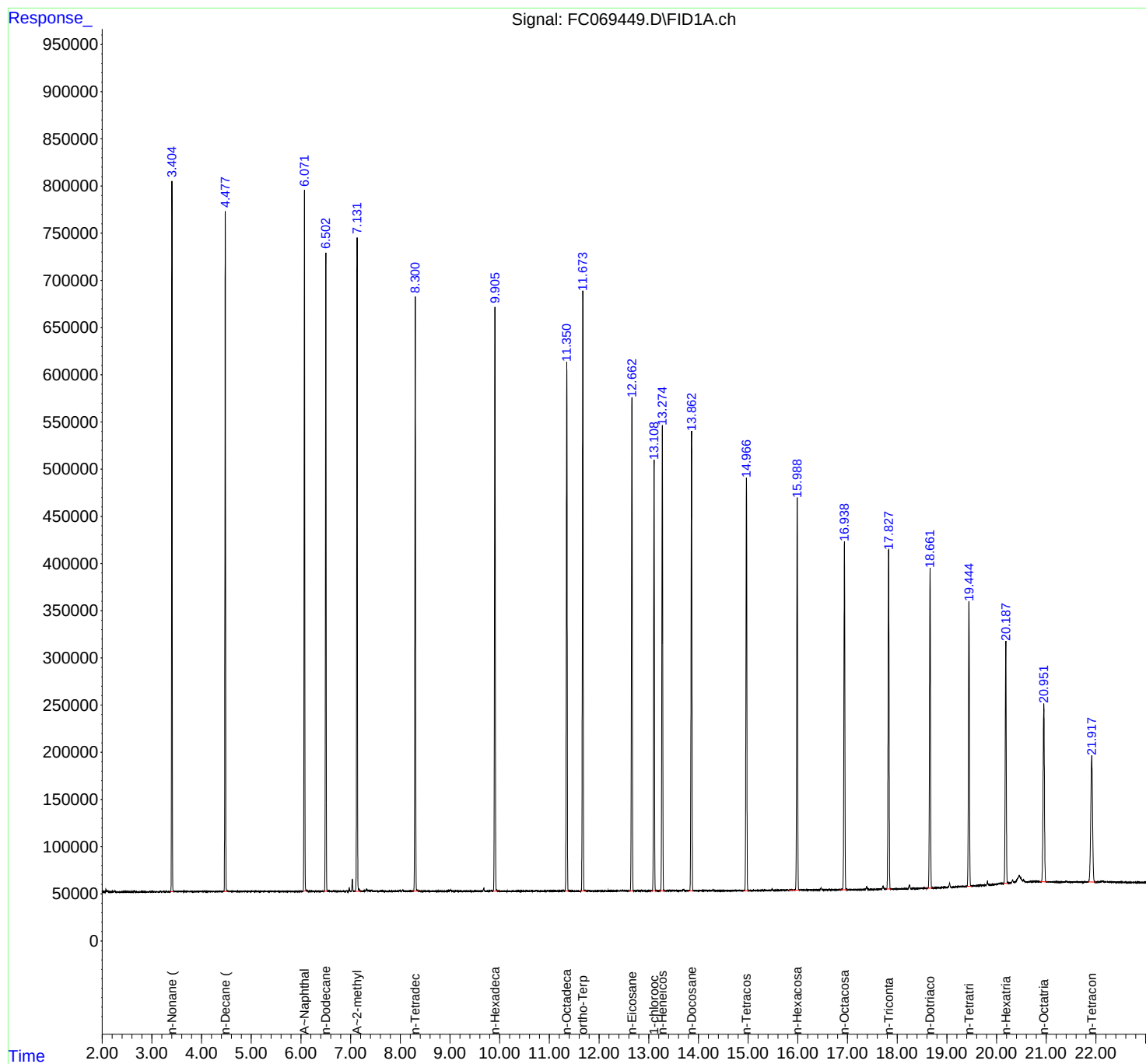
(m)=manual int.

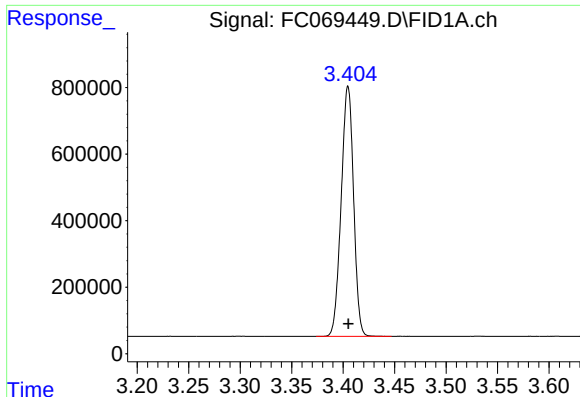
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069449.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 09:50
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 15 11:00:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 10:56:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

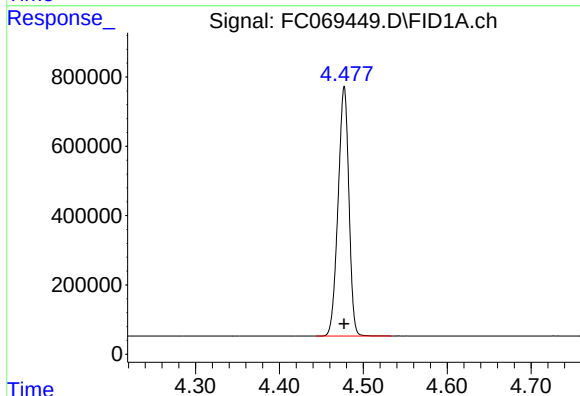




#1 n-Nonane (C9)

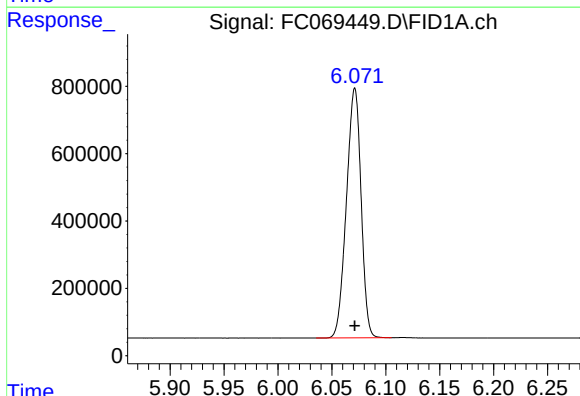
R.T.: 3.405 min
Delta R.T.: 0.000 min
Response: 6306166
Conc: 48.81 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



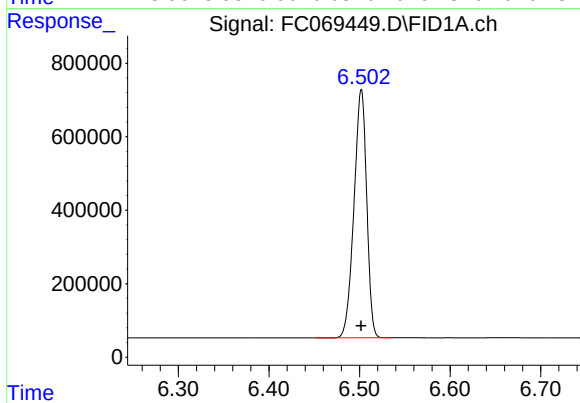
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: 0.000 min
Response: 6457064
Conc: 48.83 ug/ml



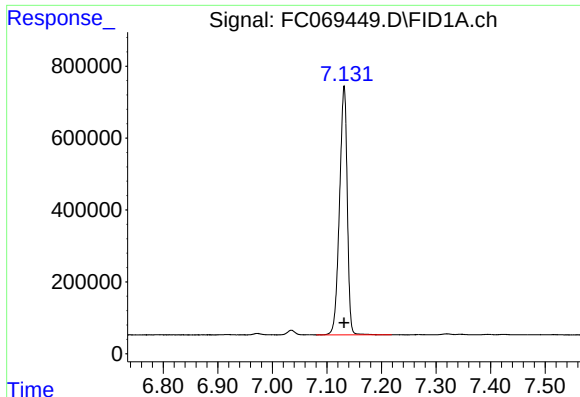
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 7013053
Conc: 48.85 ug/ml



#4 n-Dodecane (C12)

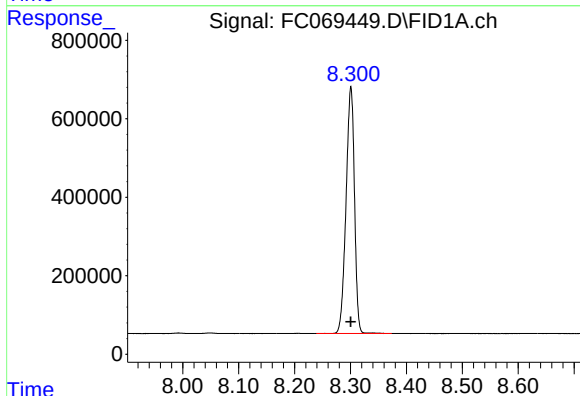
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 6584586
Conc: 48.84 ug/ml



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

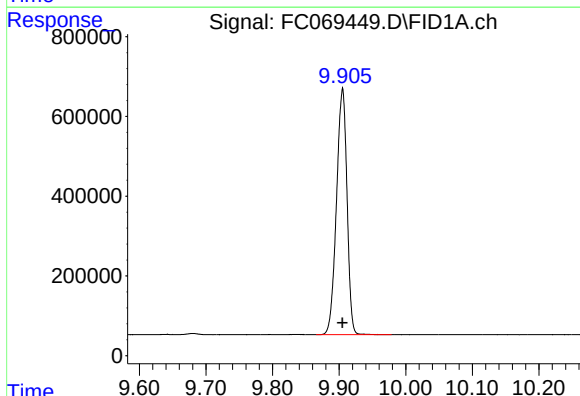
R.T.: 7.131 min
Delta R.T.: 0.000 min
Response: 6809757
Conc: 48.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



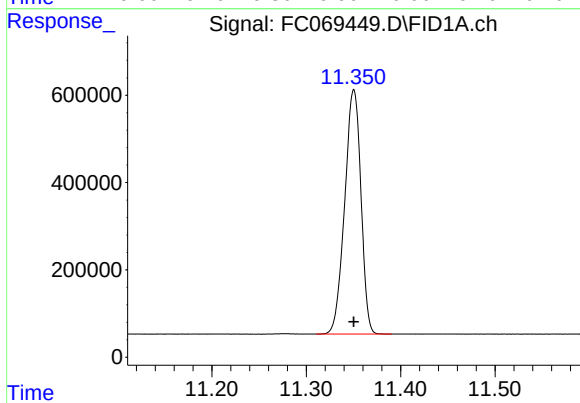
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: 0.000 min
Response: 6602714
Conc: 48.82 ug/ml



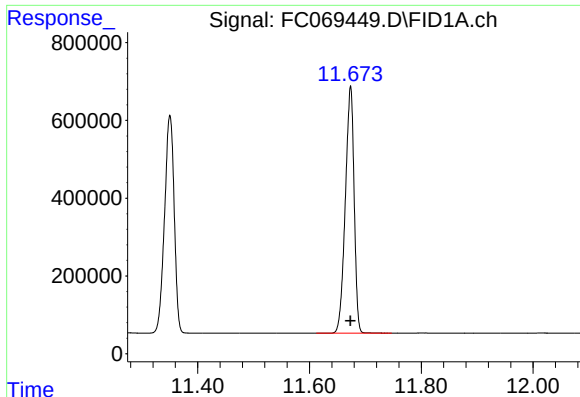
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: 0.000 min
Response: 6774462
Conc: 48.92 ug/ml



#8 n-Octadecane (C18)

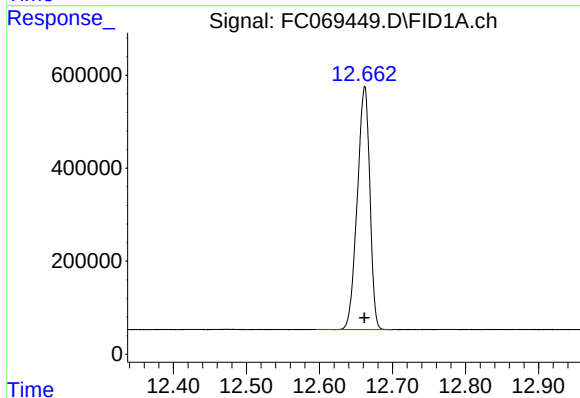
R.T.: 11.350 min
Delta R.T.: 0.000 min
Response: 6695985
Conc: 49.02 ug/ml



#9 ortho-Terphenyl (SURR)

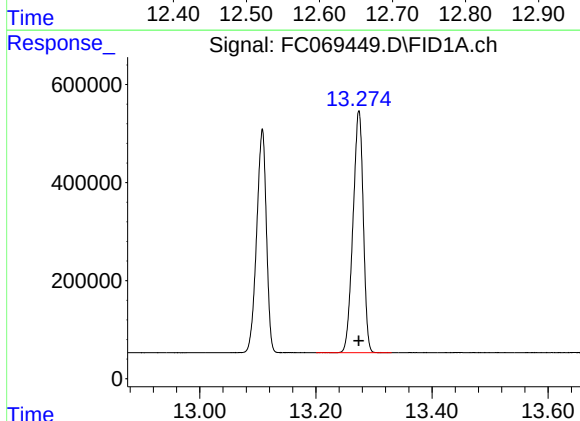
R.T.: 11.673 min
Delta R.T.: 0.000 min
Response: 6934332
Conc: 49.11 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



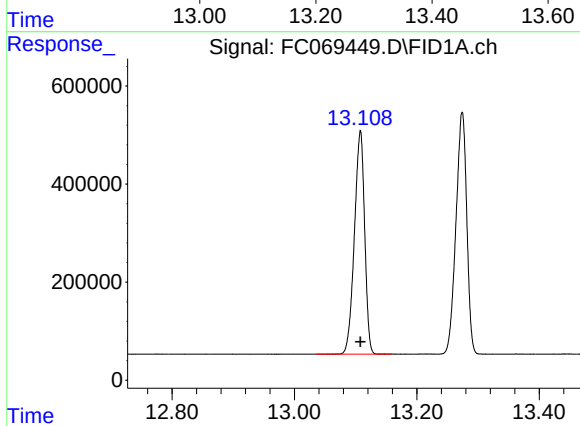
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: 0.000 min
Response: 6253714
Conc: 49.10 ug/ml



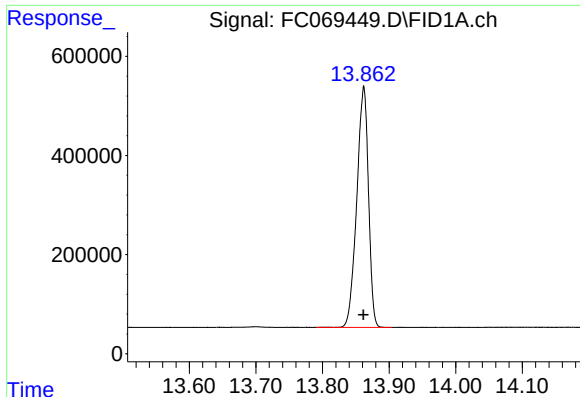
#11 n-Heneicosane (C21)

R.T.: 13.274 min
Delta R.T.: 0.000 min
Response: 6056701
Conc: 49.13 ug/ml



#12 1-chlorooctadecane (SURR)

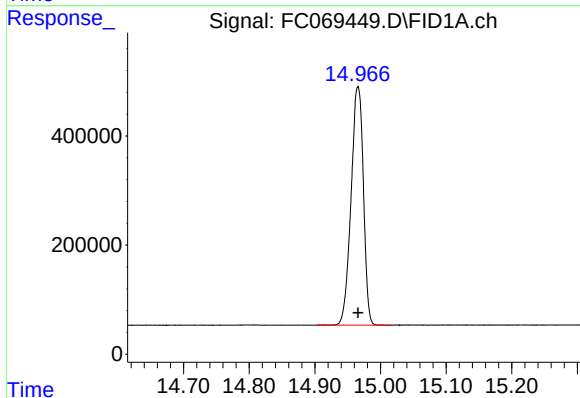
R.T.: 13.107 min
Delta R.T.: 0.000 min
Response: 5294608
Conc: 49.13 ug/ml



#13 n-Docosane (C22)

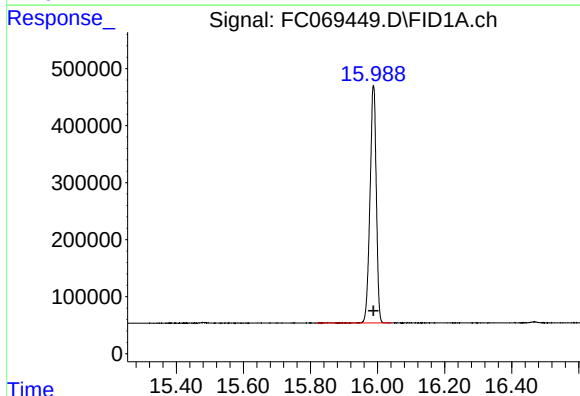
R.T.: 13.862 min
Delta R.T.: 0.000 min
Response: 5923068
Conc: 49.11 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



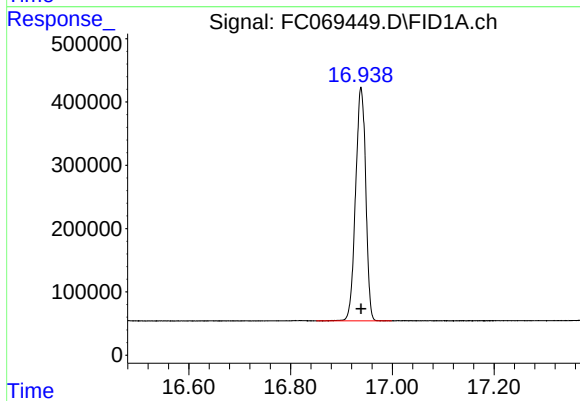
#14 n-Tetracosane (C24)

R.T.: 14.966 min
Delta R.T.: 0.000 min
Response: 5695887
Conc: 49.11 ug/ml



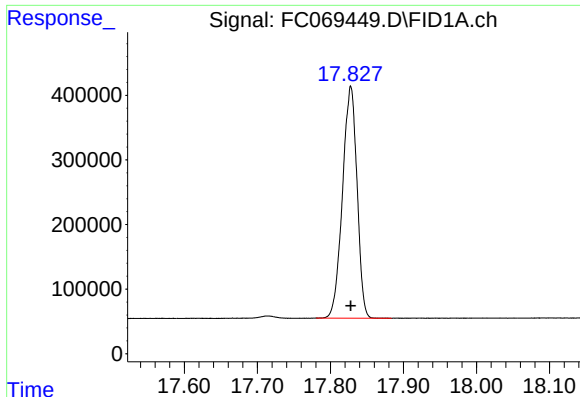
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 5408177
Conc: 49.06 ug/ml



#16 n-Octacosane (C28)

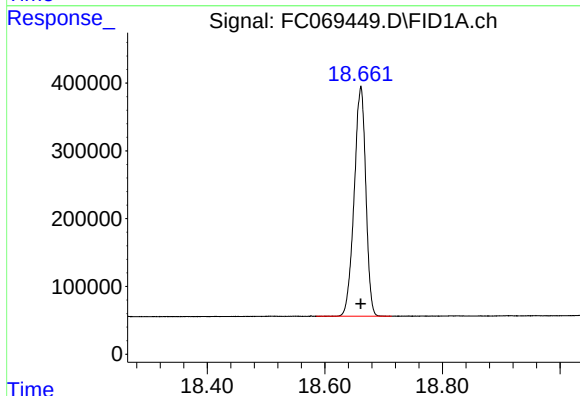
R.T.: 16.939 min
Delta R.T.: 0.000 min
Response: 5097417
Conc: 48.85 ug/ml



#17 n-Tricontane (C30)

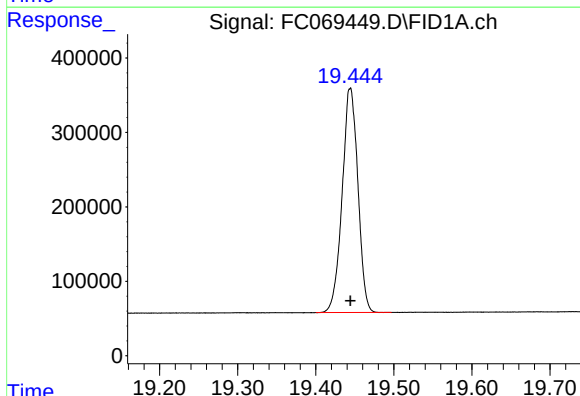
R.T.: 17.828 min
Delta R.T.: 0.000 min
Response: 4961375
Conc: 48.68 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



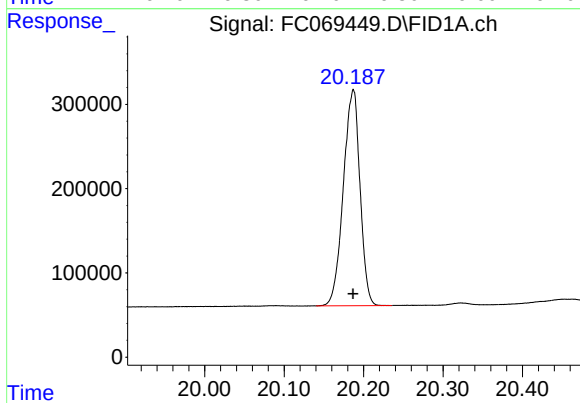
#18 n-Dotriacontane (C32)

R.T.: 18.661 min
Delta R.T.: 0.000 min
Response: 4644179
Conc: 48.53 ug/ml



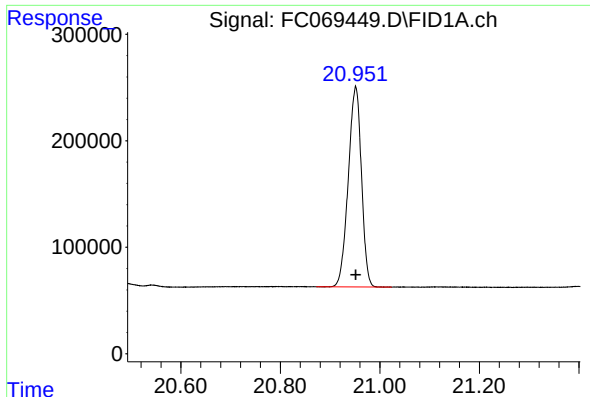
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: 0.000 min
Response: 4230530
Conc: 48.47 ug/ml



#20 n-Hexatriacontane (C36)

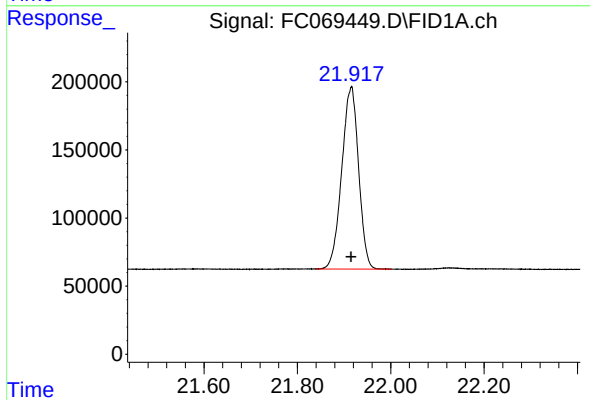
R.T.: 20.187 min
Delta R.T.: 0.000 min
Response: 3732506
Conc: 48.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: 0.000 min
Response: 3453731
Conc: 48.56 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: 0.000 min
Response: 3352069
Conc: 48.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069449.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 09:50
 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 071525.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	3.405	3.374	3.447	BB	754080	6306166	89.92%	5.074%
2	4.477	4.444	4.534	BB	720465	6457064	92.07%	5.195%
3	6.071	6.035	6.105	BV	740270	7013053	100.00%	5.643%
4	6.502	6.452	6.535	BB	677594	6584586	93.89%	5.298%
5	7.131	7.080	7.219	BB	695934	6809757	97.10%	5.479%
6	8.301	8.239	8.374	BB	629347	6602714	94.15%	5.313%
7	9.905	9.865	9.979	BB	620932	6774462	96.60%	5.451%
8	11.350	11.310	11.390	BB	560533	6695985	95.48%	5.388%
9	11.673	11.612	11.747	BB	638338	6934332	98.88%	5.580%
10	12.662	12.595	12.699	BB	524646	6253714	89.17%	5.032%
11	13.107	13.035	13.159	BB	454832	5294608	75.50%	4.260%
12	13.274	13.200	13.330	BB	493762	6056701	86.36%	4.873%
13	13.862	13.790	13.904	BB	488387	5923068	84.46%	4.766%
14	14.966	14.902	15.017	BB	436691	5695887	81.22%	4.583%
15	15.988	15.817	16.042	BB	416357	5408177	77.12%	4.352%
16	16.939	16.850	16.999	BB	367830	5097417	72.68%	4.101%
17	17.828	17.780	17.884	BB	359667	4961375	70.74%	3.992%
18	18.661	18.585	18.714	BB	336779	4644179	66.22%	3.737%
19	19.444	19.400	19.497	BB	301064	4230530	60.32%	3.404%
20	20.187	20.140	20.235	BB	257284	3732506	53.22%	3.003%
21	20.951	20.872	21.024	BB	188452	3453731	49.25%	2.779%
22	21.915	21.840	22.002	BB	133930	3352069	47.80%	2.697%
Sum of corrected areas:						124282080		

Aliphatic EPH 071525.M Tue Jul 15 12:41:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069450.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 10:35
 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: Jul 15 10:56:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 10:56:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.669	2842591	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.104	2163070	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.403	2623005	20.000 ug/ml
2) T n-Decane (C10)	4.475	2680576	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.069	2914664	20.000 ug/ml
4) T n-Dodecane (C12)	6.499	2723979	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.128	2807568	20.000 ug/ml
6) T n-Tetradecane (C14)	8.299	2737305	20.000 ug/ml
7) T n-Hexadecane (C16)	9.902	2798652	20.000 ug/ml
8) T n-Octadecane (C18)	11.346	2758332	20.000 ug/ml
10) T n-Eicosane (C20)	12.658	2567676	20.000 ug/ml
11) T n-Heneicosane (C21)	13.270	2482767	20.000 ug/ml
13) T n-Docosane (C22)	13.857	2429989	20.000 ug/ml
14) T n-Tetracosane (C24)	14.962	2337029	20.000 ug/ml
15) T n-Hexacosane (C26)	15.984	2222003	20.000 ug/ml
16) T n-Octacosane (C28)	16.935	2117680	20.000 ug/ml
17) T n-Tricontane (C30)	17.823	2086565	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.656	1971574	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.442	1799794	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.183	1584214	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.947	1461703	20.000 ug/ml
22) T n-Tetracontane (C40)	21.911	1414720	20.000 ug/ml

(f)=RT Delta > 1/2 Window

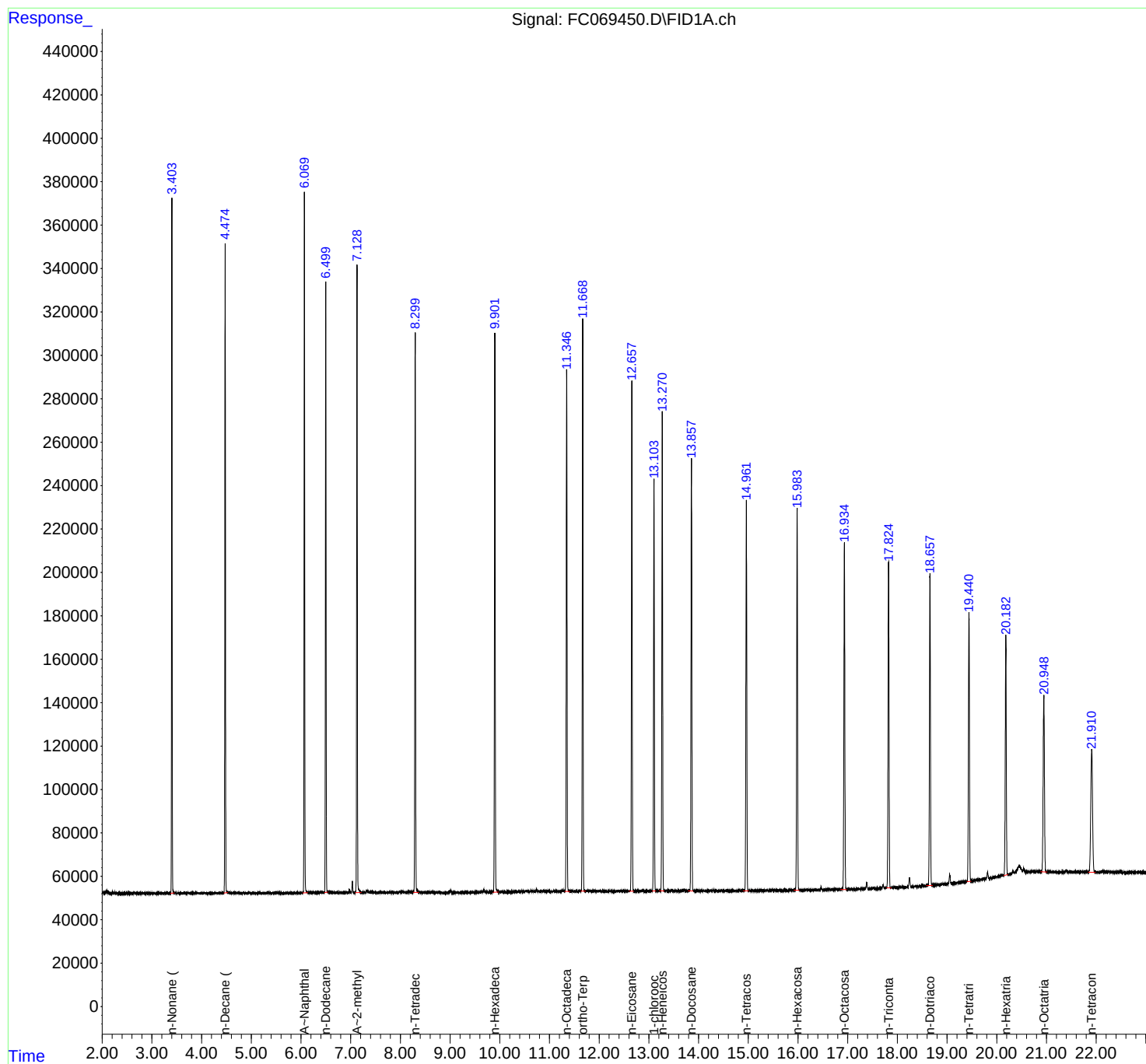
(m)=manual int.

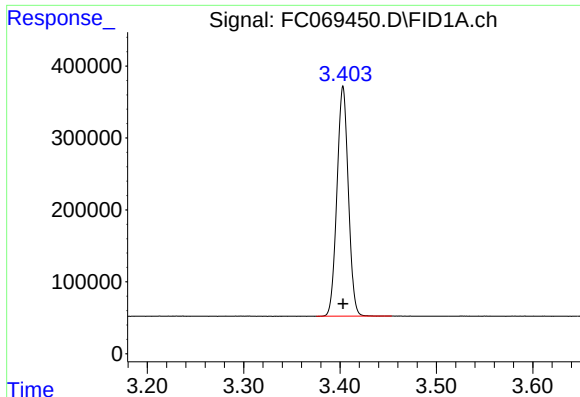
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069450.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 10:35
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 15 10:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 10:56:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

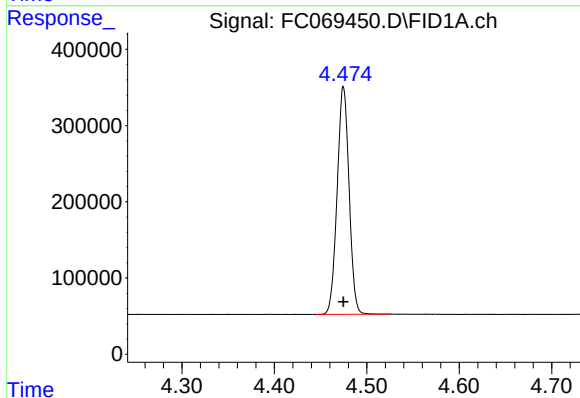




#1 n-Nonane (C9)

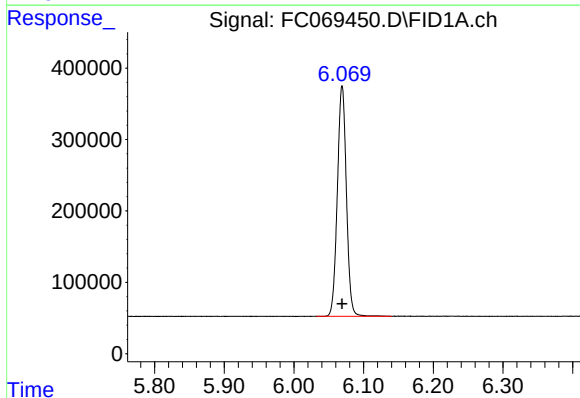
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 2623005
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



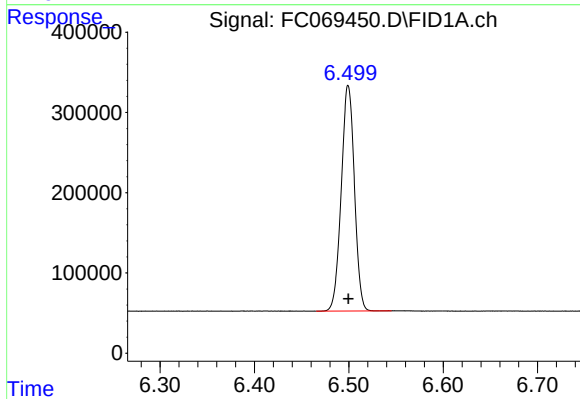
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: 0.000 min
Response: 2680576
Conc: 20.00 ug/ml



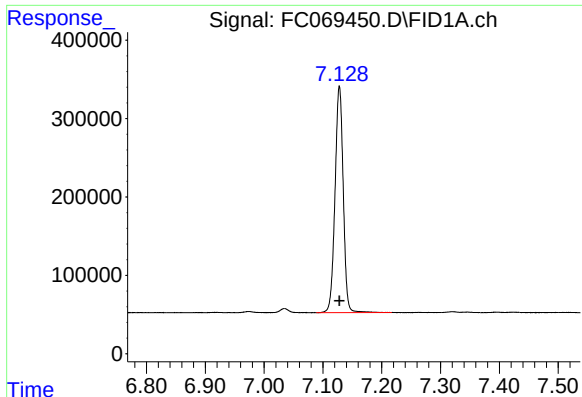
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2914664
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

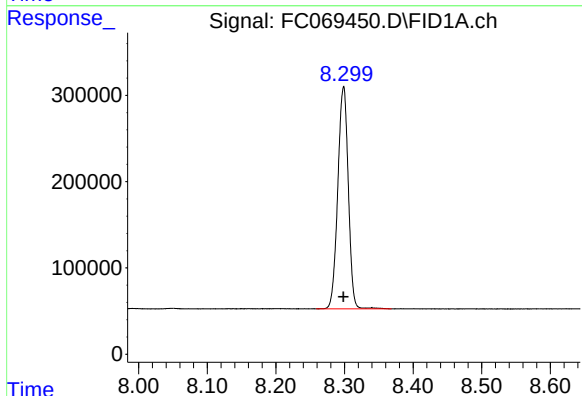
R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 2723979
Conc: 20.00 ug/ml



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

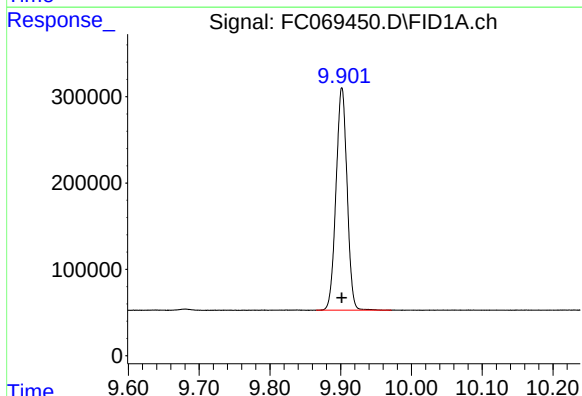
R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 2807568
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



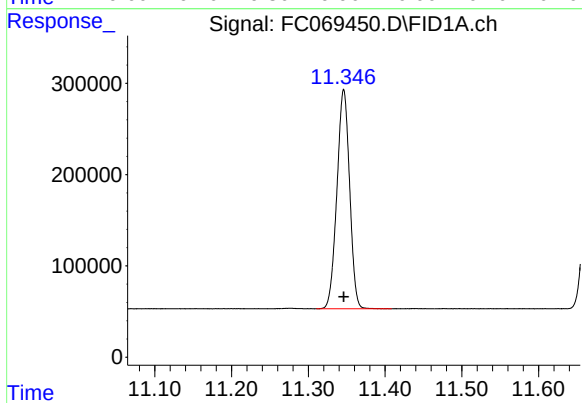
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 2737305
Conc: 20.00 ug/ml



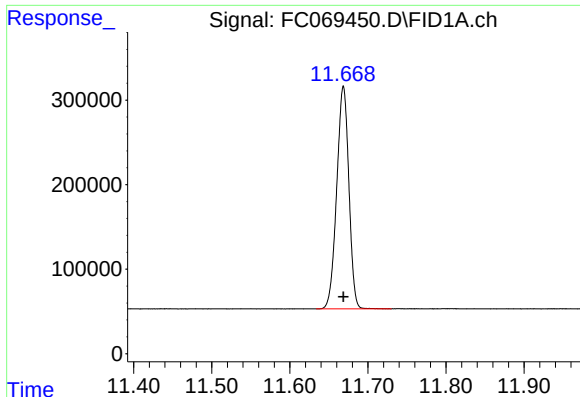
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 2798652
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

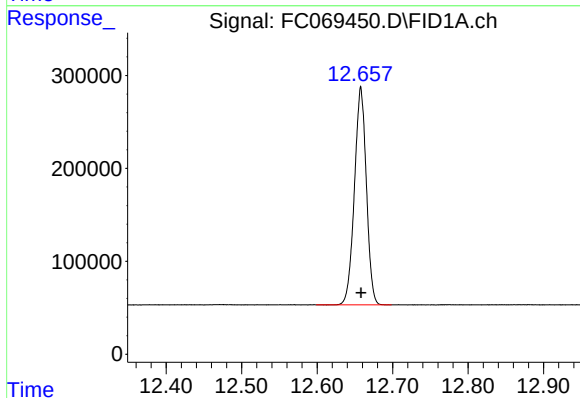
R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 2758332
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

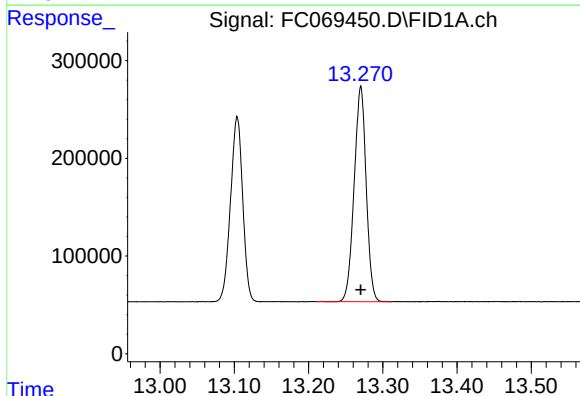
R.T.: 11.669 min
Delta R.T.: 0.000 min
Response: 2842591
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



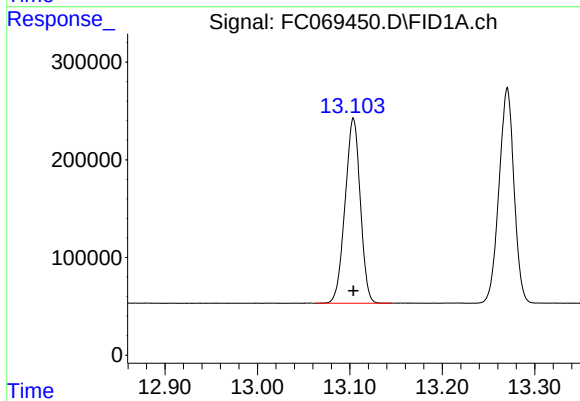
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.000 min
Response: 2567676
Conc: 20.00 ug/ml



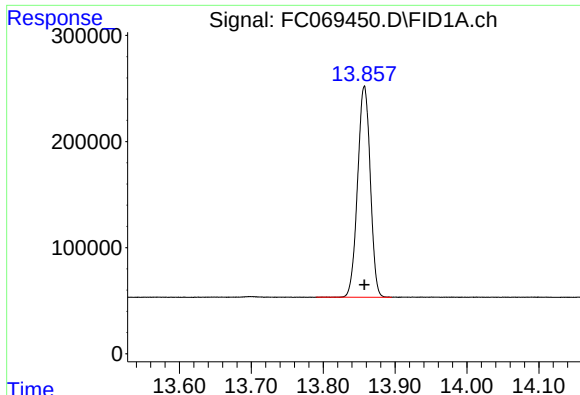
#11 n-Heneicosane (C21)

R.T.: 13.270 min
Delta R.T.: 0.000 min
Response: 2482767
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

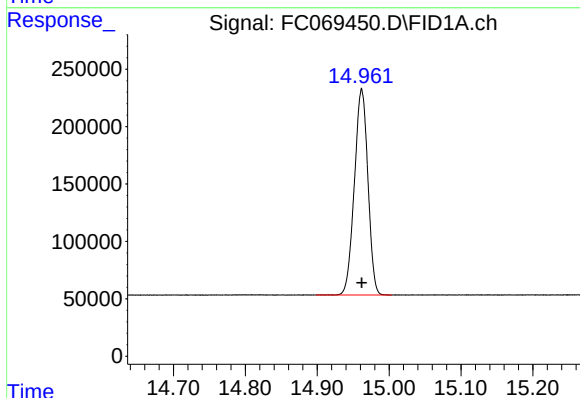
R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 2163070
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

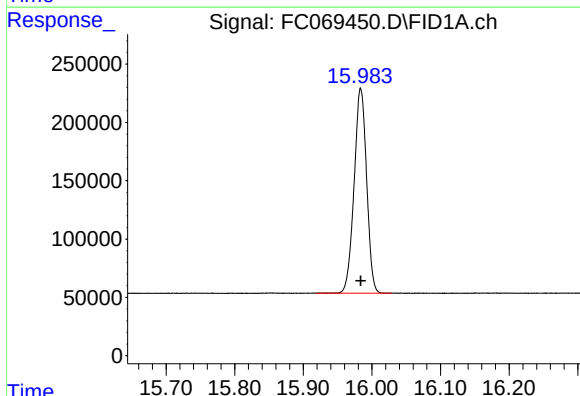
R.T.: 13.857 min
Delta R.T.: 0.000 min
Response: 2429989
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



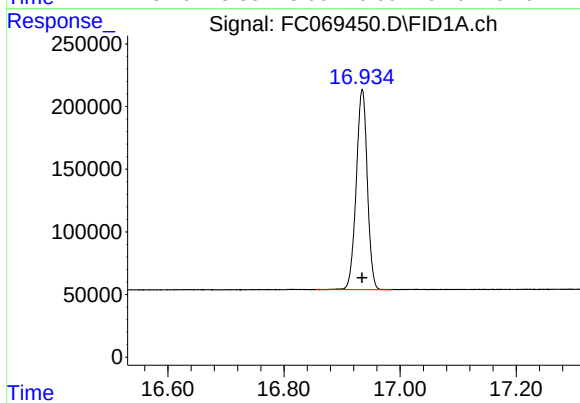
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: 0.000 min
Response: 2337029
Conc: 20.00 ug/ml



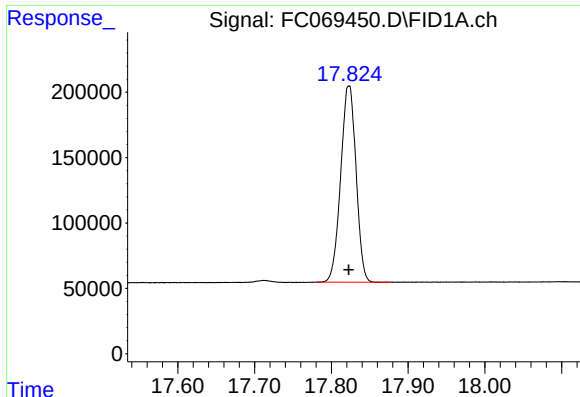
#15 n-Hexacosane (C26)

R.T.: 15.984 min
Delta R.T.: 0.000 min
Response: 2222003
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

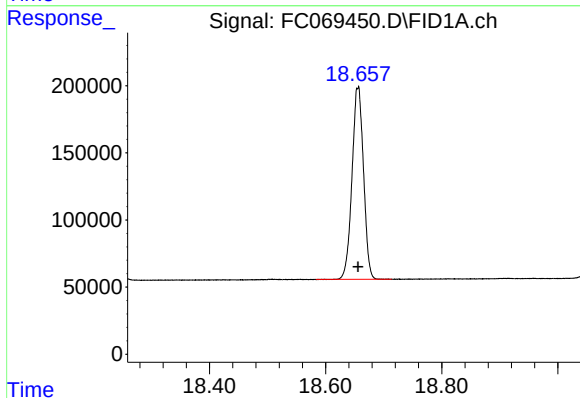
R.T.: 16.935 min
Delta R.T.: 0.000 min
Response: 2117680
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

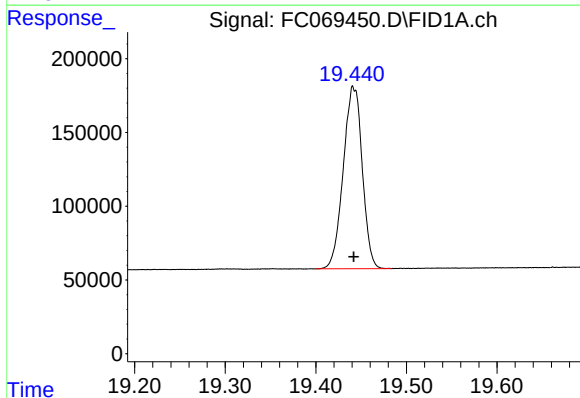
R.T.: 17.823 min
Delta R.T.: 0.000 min
Response: 2086565
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



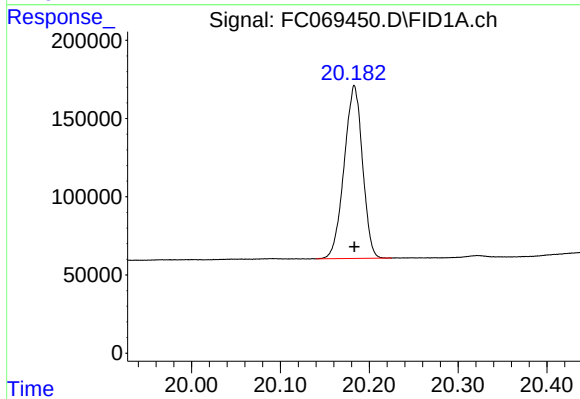
#18 n-Dotriacontane (C32)

R.T.: 18.656 min
Delta R.T.: 0.000 min
Response: 1971574
Conc: 20.00 ug/ml



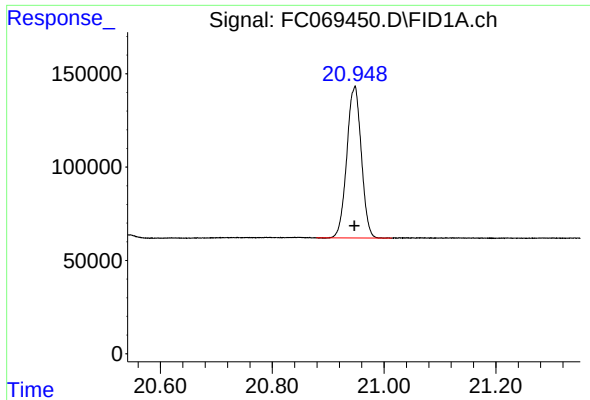
#19 n-Tetratriacontane (C34)

R.T.: 19.442 min
Delta R.T.: 0.000 min
Response: 1799794
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

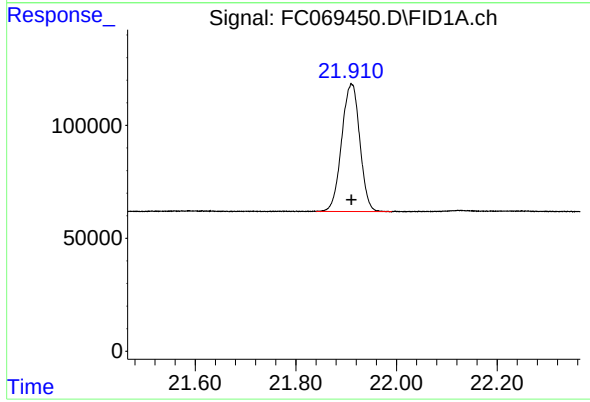
R.T.: 20.183 min
Delta R.T.: 0.000 min
Response: 1584214
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.947 min
Delta R.T.: 0.000 min
Response: 1461703
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.911 min
Delta R.T.: 0.000 min
Response: 1414720
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069450.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 10:35
 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 071525.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	3.403	3.375	3.454	BB	320459	2623005	89.99%	5.091%
2	4.475	4.445	4.527	BB	298122	2680576	91.97%	5.202%
3	6.069	6.032	6.140	BB	323067	2914664	100.00%	5.657%
4	6.499	6.465	6.545	BB	280676	2723979	93.46%	5.287%
5	7.128	7.089	7.217	BB	289171	2807568	96.33%	5.449%
6	8.299	8.259	8.369	BB	257819	2737305	93.91%	5.313%
7	9.902	9.865	9.972	BB	257945	2798652	96.02%	5.432%
8	11.346	11.310	11.409	BB	240467	2758332	94.64%	5.353%
9	11.669	11.634	11.730	BB	263608	2842591	97.53%	5.517%
10	12.658	12.599	12.699	BB	233637	2567676	88.10%	4.983%
11	13.104	13.064	13.145	BB	189574	2163070	74.21%	4.198%
12	13.270	13.210	13.312	BB	220630	2482767	85.18%	4.819%
13	13.857	13.790	13.895	BB	198720	2429989	83.37%	4.716%
14	14.962	14.899	15.004	BB	179669	2337029	80.18%	4.536%
15	15.984	15.919	16.029	BB	175609	2222003	76.24%	4.312%
16	16.935	16.855	16.985	BB	160029	2117680	72.66%	4.110%
17	17.823	17.780	17.879	BB	150550	2086565	71.59%	4.050%
18	18.656	18.584	18.714	BB	142265	1971574	67.64%	3.826%
19	19.442	19.400	19.484	BB	121602	1799794	61.75%	3.493%
20	20.183	20.140	20.225	BB	110620	1584214	54.35%	3.075%
21	20.947	20.879	21.014	BB	80729	1461703	50.15%	2.837%
22	21.911	21.840	21.990	BB	56649	1414720	48.54%	2.746%
Sum of corrected areas:						51525455		

Aliphatic EPH 071525.M Tue Jul 15 12:40:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069451.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 11:20
 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: Jul 15 11:48:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:48:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.666	1555533	10.743 ug/ml
Spiked Amount 50.000		Recovery =	21.49%
12) S 1-chlorooctadecane (S...	13.101	1182724	10.714 ug/ml
Spiked Amount 50.000		Recovery =	21.43%
Target Compounds			
1) T n-Nonane (C9)	3.403	1426907	10.763 ug/ml
2) T n-Decane (C10)	4.474	1461675	10.770 ug/ml
3) T A~Naphthalene (C11.7)	6.069	1582883	10.751 ug/ml
4) T n-Dodecane (C12)	6.499	1484597	10.740 ug/ml
5) T A~2-methylnaphthalene...	7.127	1531338	10.742 ug/ml
6) T n-Tetradecane (C14)	8.297	1495509	10.773 ug/ml
7) T n-Hexadecane (C16)	9.901	1536291	10.799 ug/ml
8) T n-Octadecane (C18)	11.345	1511440	10.779 ug/ml
10) T n-Eicosane (C20)	12.656	1410977	10.788 ug/ml
11) T n-Heneicosane (C21)	13.268	1363880	10.777 ug/ml
13) T n-Docosane (C22)	13.856	1333797	10.774 ug/ml
14) T n-Tetracosane (C24)	14.960	1283028	10.776 ug/ml
15) T n-Hexacosane (C26)	15.982	1223037	10.800 ug/ml
16) T n-Octacosane (C28)	16.933	1164830	10.847 ug/ml
17) T n-Tricontane (C30)	17.822	1154429	10.963 ug/ml
18) T n-Dotriacontane (C32)	18.657	1093995	11.038 ug/ml
19) T n-Tetratriacontane (C34)	19.442	994086	11.007 ug/ml
20) T n-Hexatriacontane (C36)	20.181	870135	10.954 ug/ml
21) T n-Octatriacontane (C38)	20.948	798625	10.894 ug/ml
22) T n-Tetracontane (C40)	21.909	774596	10.904 ug/ml

(f)=RT Delta > 1/2 Window

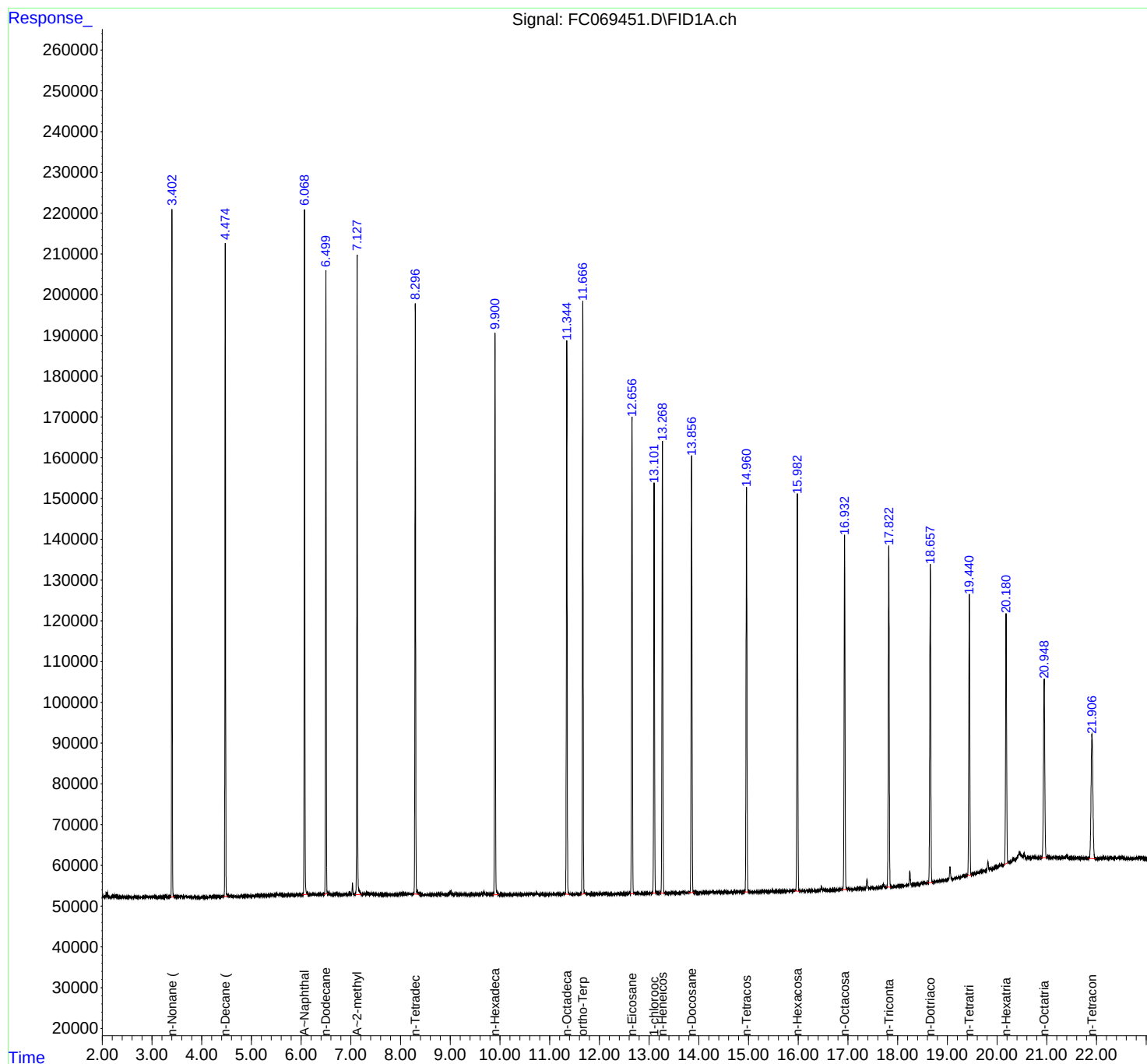
(m)=manual int.

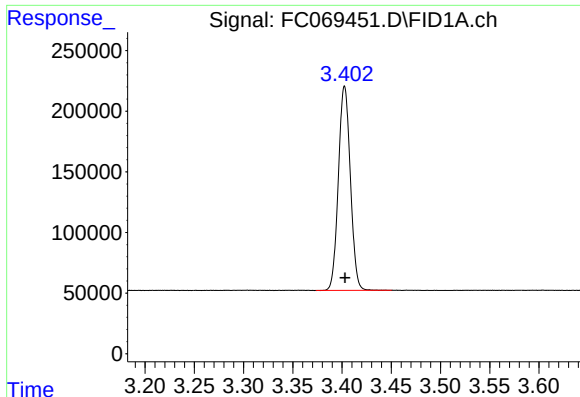
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069451.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 11:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 15 11:48:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

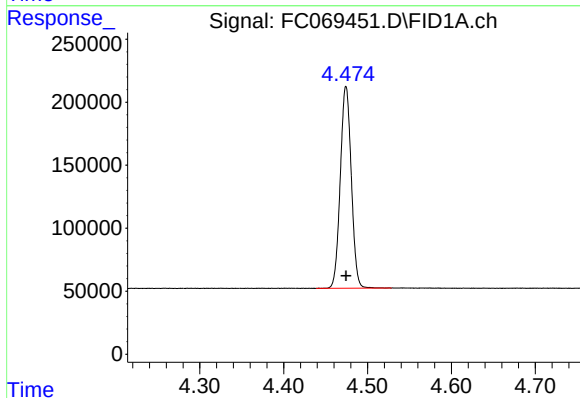




#1 n-Nonane (C9)

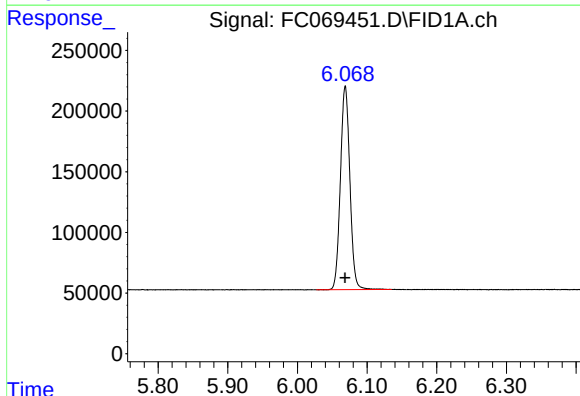
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 1426907
Conc: 10.76 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



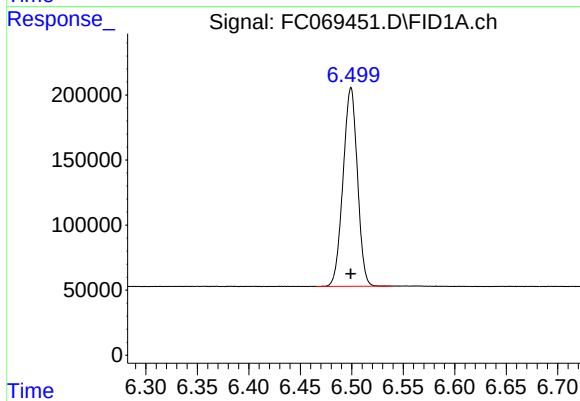
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.000 min
Response: 1461675
Conc: 10.77 ug/ml



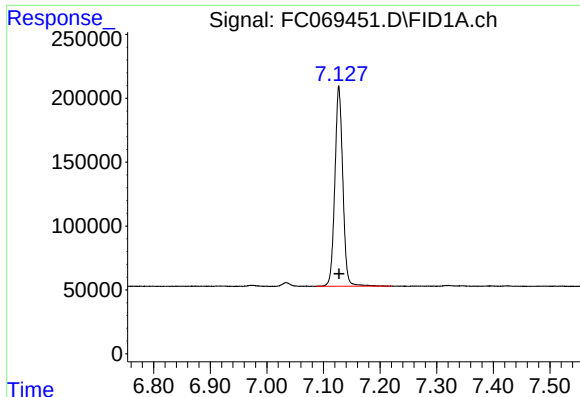
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 1582883
Conc: 10.75 ug/ml



#4 n-Dodecane (C12)

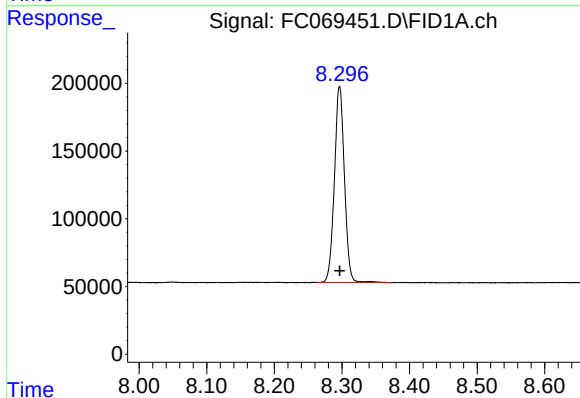
R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 1484597
Conc: 10.74 ug/ml



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

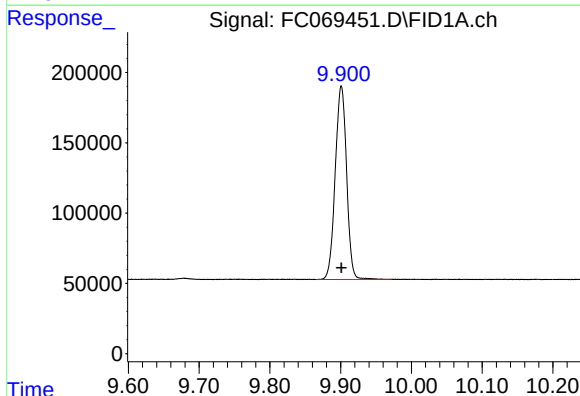
R.T.: 7.127 min
Delta R.T.: 0.000 min
Response: 1531338
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



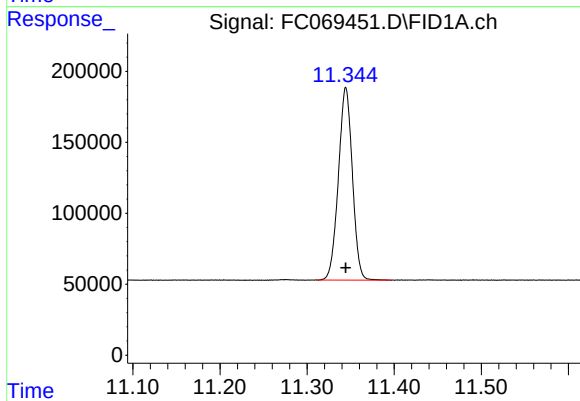
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 1495509
Conc: 10.77 ug/ml



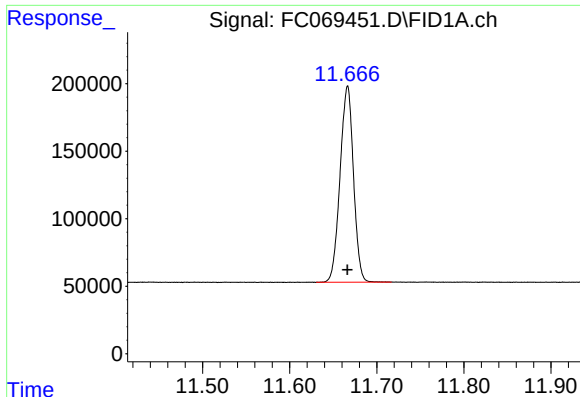
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: 0.000 min
Response: 1536291
Conc: 10.80 ug/ml



#8 n-Octadecane (C18)

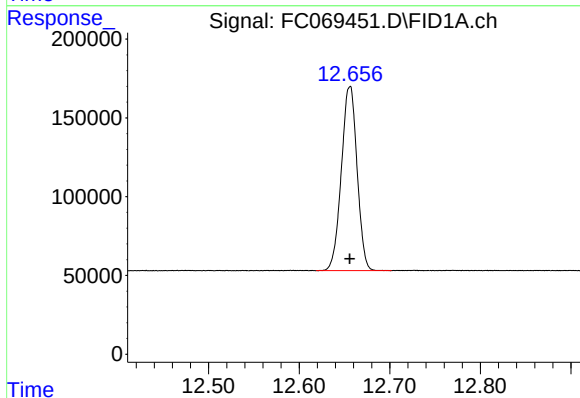
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 1511440
Conc: 10.78 ug/ml



#9 ortho-Terphenyl (SURR)

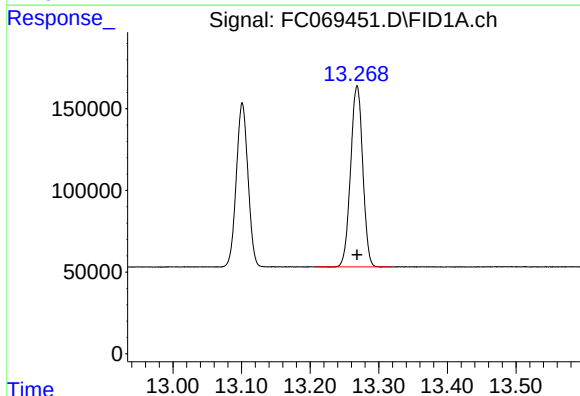
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 1555533
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



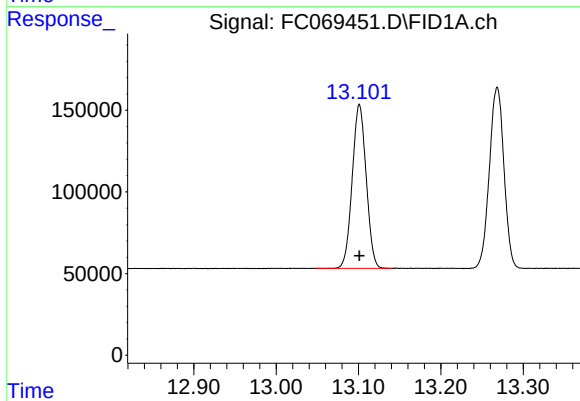
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.000 min
Response: 1410977
Conc: 10.79 ug/ml



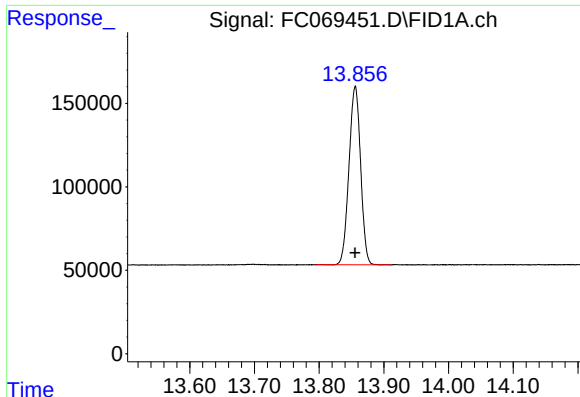
#11 n-Heneicosane (C21)

R.T.: 13.268 min
Delta R.T.: 0.000 min
Response: 1363880
Conc: 10.78 ug/ml



#12 1-chlorooctadecane (SURR)

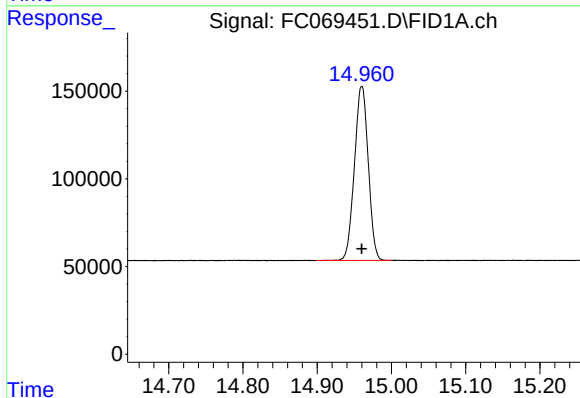
R.T.: 13.101 min
Delta R.T.: 0.000 min
Response: 1182724
Conc: 10.71 ug/ml



#13 n-Docosane (C22)

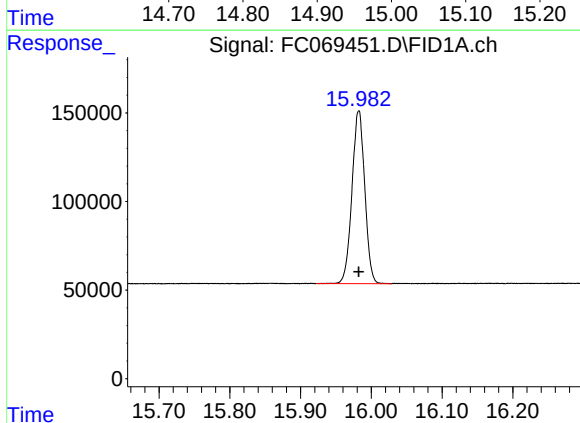
R.T.: 13.856 min
Delta R.T.: 0.000 min
Response: 1333797
Conc: 10.77 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



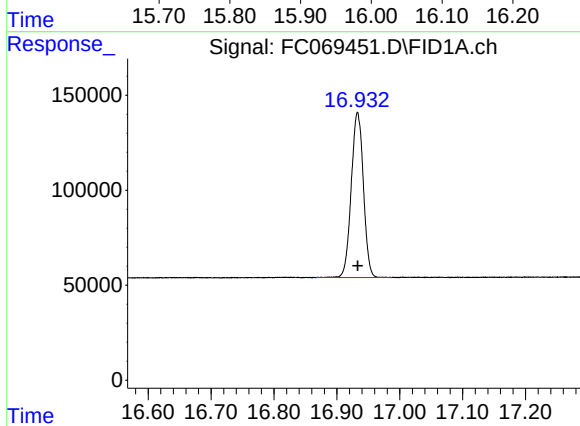
#14 n-Tetracosane (C24)

R.T.: 14.960 min
Delta R.T.: 0.000 min
Response: 1283028
Conc: 10.78 ug/ml



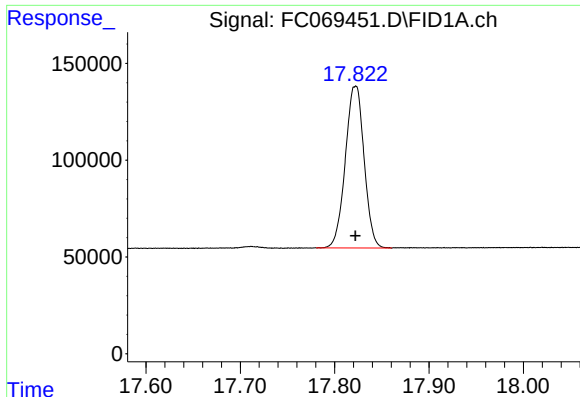
#15 n-Hexacosane (C26)

R.T.: 15.982 min
Delta R.T.: 0.000 min
Response: 1223037
Conc: 10.80 ug/ml



#16 n-Octacosane (C28)

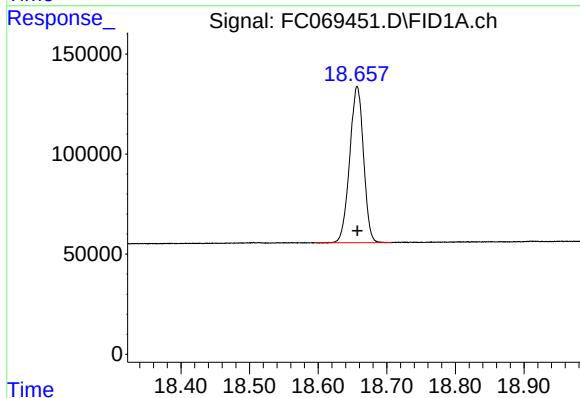
R.T.: 16.933 min
Delta R.T.: 0.000 min
Response: 1164830
Conc: 10.85 ug/ml



#17 n-Tricontane (C30)

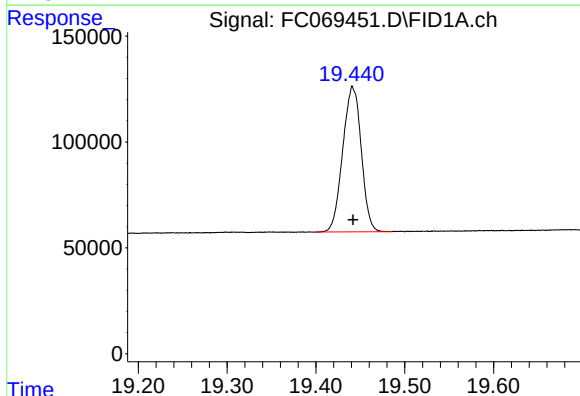
R.T.: 17.822 min
Delta R.T.: 0.000 min
Response: 1154429
Conc: 10.96 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



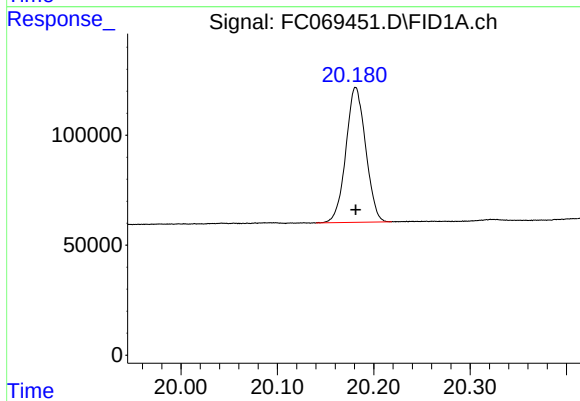
#18 n-Dotriacontane (C32)

R.T.: 18.657 min
Delta R.T.: 0.000 min
Response: 1093995
Conc: 11.04 ug/ml



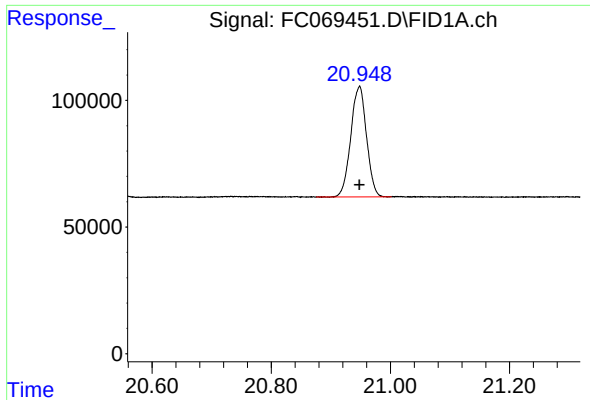
#19 n-Tetratriacontane (C34)

R.T.: 19.442 min
Delta R.T.: 0.000 min
Response: 994086
Conc: 11.01 ug/ml



#20 n-Hexatriacontane (C36)

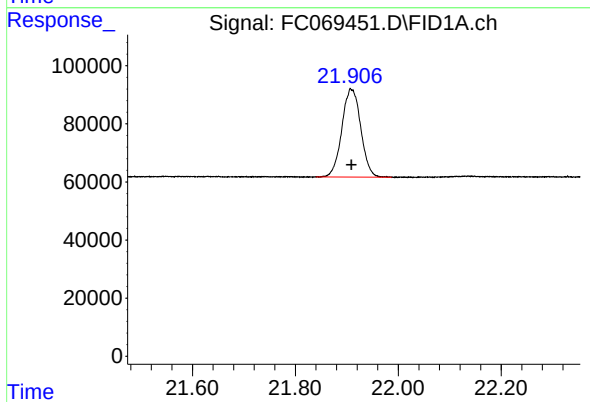
R.T.: 20.181 min
Delta R.T.: 0.000 min
Response: 870135
Conc: 10.95 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.948 min
Delta R.T.: 0.000 min
Response: 798625
Conc: 10.89 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.909 min
Delta R.T.: 0.000 min
Response: 774596
Conc: 10.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069451.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 11:20
 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 071525.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	3.403	3.374	3.450	BB	168656	1426907	90.15%	5.054%
2	4.474	4.439	4.529	BB	160526	1461675	92.34%	5.177%
3	6.069	6.027	6.135	BB	167782	1582883	100.00%	5.606%
4	6.499	6.465	6.539	BB	152526	1484597	93.79%	5.258%
5	7.127	7.087	7.220	BB	156589	1531338	96.74%	5.424%
6	8.297	8.262	8.374	BB	144795	1495509	94.48%	5.297%
7	9.901	9.865	9.972	BB	137780	1536291	97.06%	5.441%
8	11.345	11.310	11.397	BB	135741	1511440	95.49%	5.353%
9	11.666	11.630	11.717	BB	146331	1555533	98.27%	5.509%
10	12.656	12.619	12.702	BB	116701	1410977	89.14%	4.997%
11	13.101	13.049	13.140	BB	100312	1182724	74.72%	4.189%
12	13.268	13.209	13.319	BB	111145	1363880	86.16%	4.831%
13	13.856	13.795	13.912	BB	106790	1333797	84.26%	4.724%
14	14.960	14.899	15.000	BB	99359	1283028	81.06%	4.544%
15	15.982	15.922	16.029	BB	97519	1223037	77.27%	4.332%
16	16.933	16.867	16.987	BB	86966	1164830	73.59%	4.126%
17	17.822	17.780	17.860	BB	83445	1154429	72.93%	4.089%
18	18.657	18.597	18.707	BB	78037	1093995	69.11%	3.875%
19	19.442	19.400	19.485	BB	67904	994086	62.80%	3.521%
20	20.181	20.140	20.219	BB	61275	870135	54.97%	3.082%
21	20.948	20.875	21.002	BB	43886	798625	50.45%	2.829%
22	21.909	21.840	21.987	BB	30014	774596	48.94%	2.743%
Sum of corrected areas:							28234313	

Aliphatic EPH 071525.M Tue Jul 15 12:40:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069452.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 12:05
 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: Jul 15 12:35:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.666	814301	5.487 ug/ml
Spiked Amount 50.000		Recovery =	10.97%
12) S 1-chlorooctadecane (S...	13.102	617490	5.464 ug/ml
Spiked Amount 50.000		Recovery =	10.93%
Target Compounds			
1) T n-Nonane (C9)	3.394	750485	5.515 ug/ml
2) T n-Decane (C10)	4.470	765101	5.497 ug/ml
3) T A~Naphthalene (C11.7)	6.066	833004	5.513 ug/ml
4) T n-Dodecane (C12)	6.496	778847	5.495 ug/ml
5) T A~2-methylnaphthalene...	7.125	801282	5.485 ug/ml
6) T n-Tetradecane (C14)	8.295	778133	5.473 ug/ml
7) T n-Hexadecane (C16)	9.900	803823	5.507 ug/ml
8) T n-Octadecane (C18)	11.345	791730	5.504 ug/ml
10) T n-Eicosane (C20)	12.656	740380	5.515 ug/ml
11) T n-Heneicosane (C21)	13.268	716152	5.513 ug/ml
13) T n-Docosane (C22)	13.855	699269	5.506 ug/ml
14) T n-Tetracosane (C24)	14.960	670008	5.489 ug/ml
15) T n-Hexacosane (C26)	15.982	639609	5.505 ug/ml
16) T n-Octacosane (C28)	16.934	620060	5.601 ug/ml
17) T n-Tricontane (C30)	17.822	631378	5.766 ug/ml
18) T n-Dotriacontane (C32)	18.655	611929	5.897 ug/ml
19) T n-Tetratriacontane (C34)	19.441	549425	5.831 ug/ml
20) T n-Hexatriacontane (C36)	20.182	476252	5.766 ug/ml
21) T n-Octatriacontane (C38)	20.946	432685	5.697 ug/ml
22) T n-Tetracontane (C40)	21.909	410409	5.603 ug/ml

(f)=RT Delta > 1/2 Window

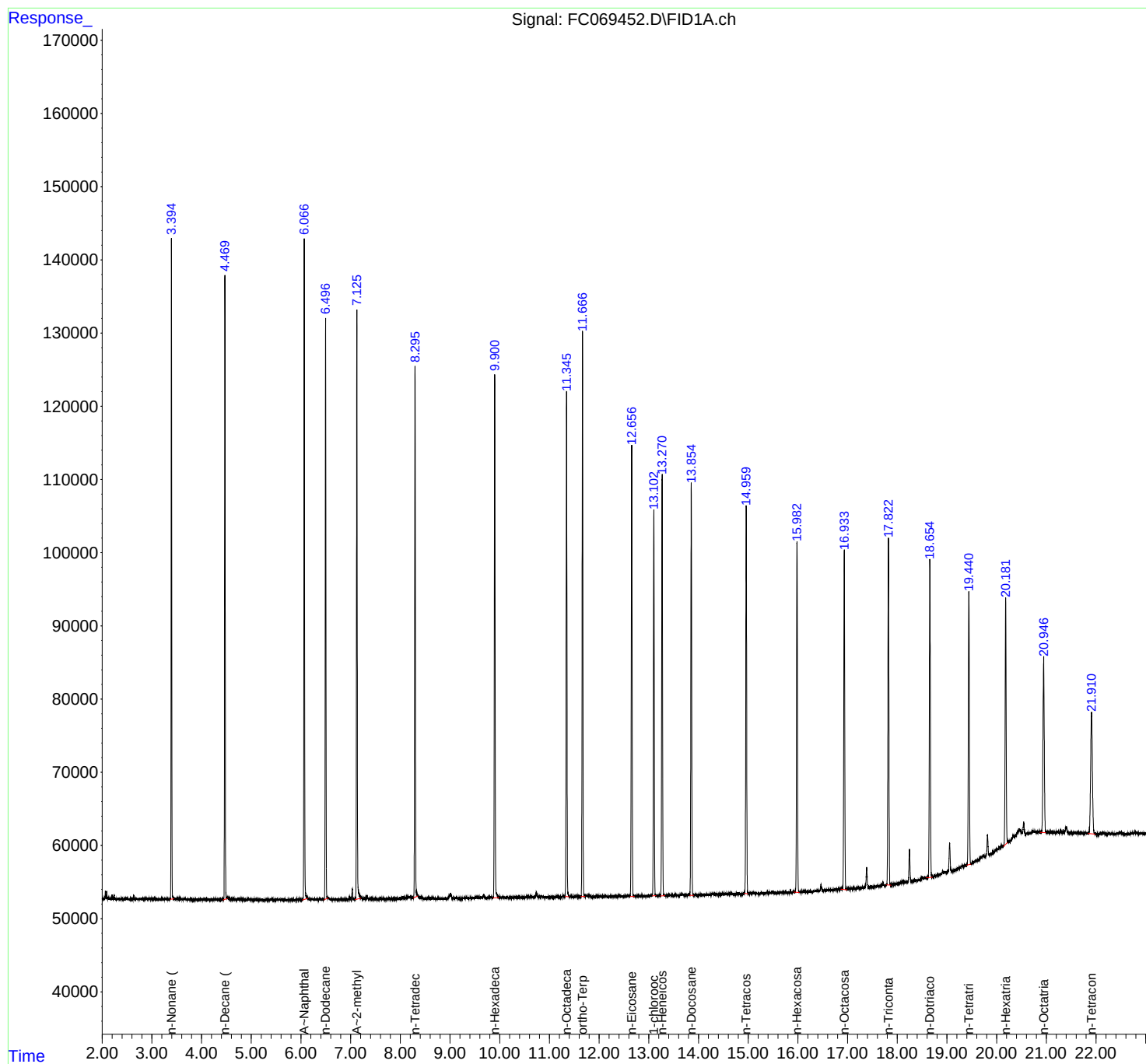
(m)=manual int.

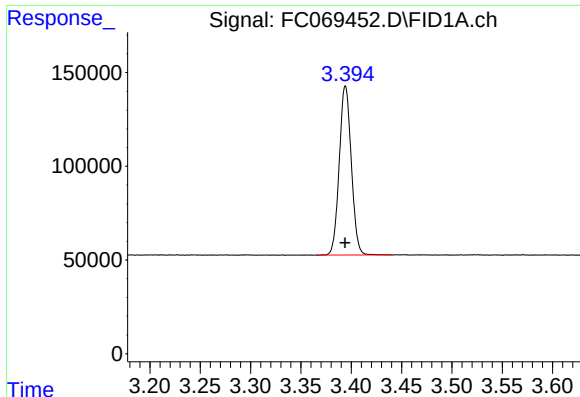
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069452.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 12:05
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 15 12:35:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

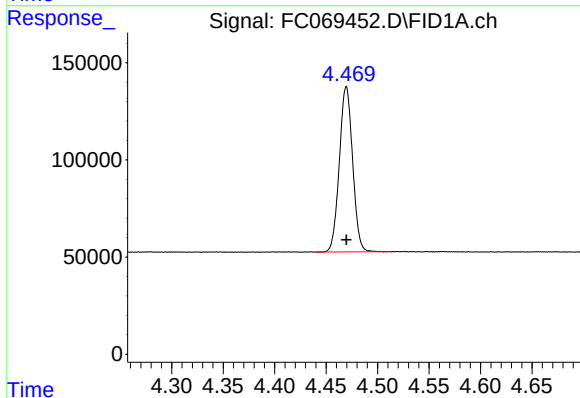




#1 n-Nonane (C9)

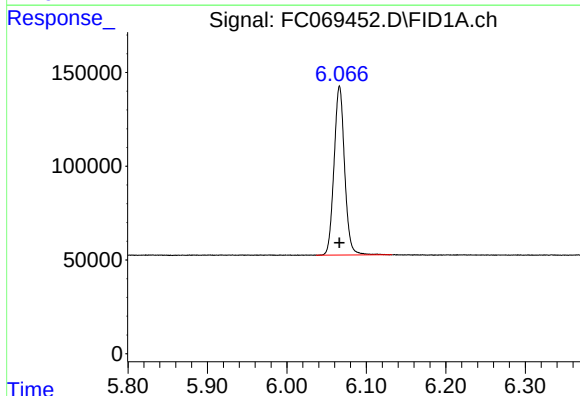
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 750485
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



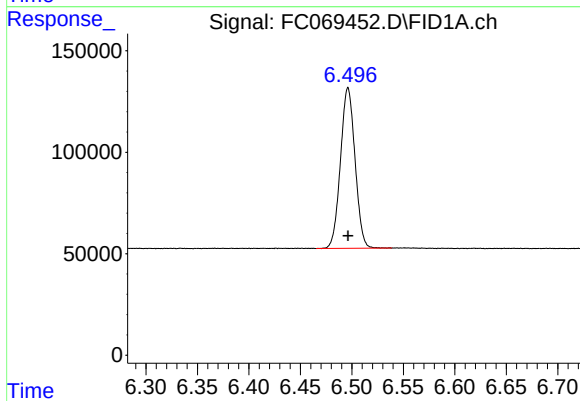
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 765101
Conc: 5.50 ug/ml



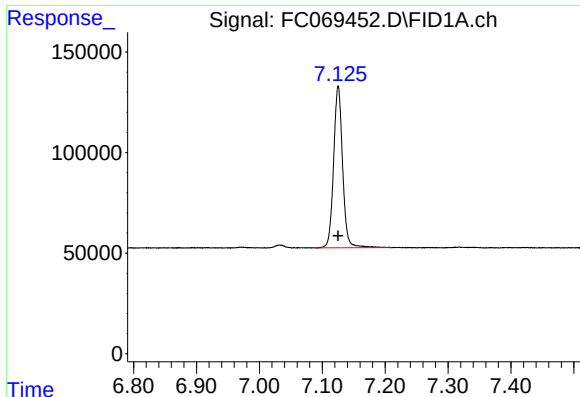
#3 A~Naphthalene (C11.7)

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 833004
Conc: 5.51 ug/ml



#4 n-Dodecane (C12)

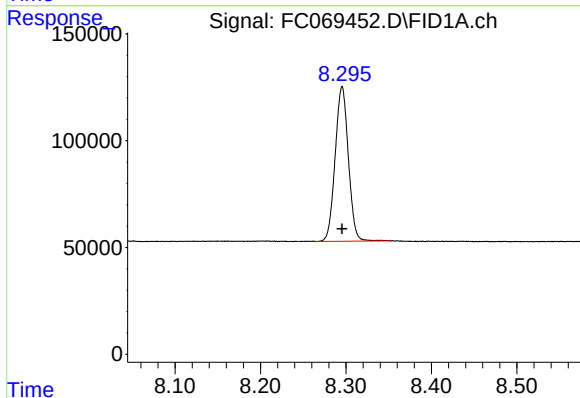
R.T.: 6.496 min
Delta R.T.: 0.000 min
Response: 778847
Conc: 5.50 ug/ml



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

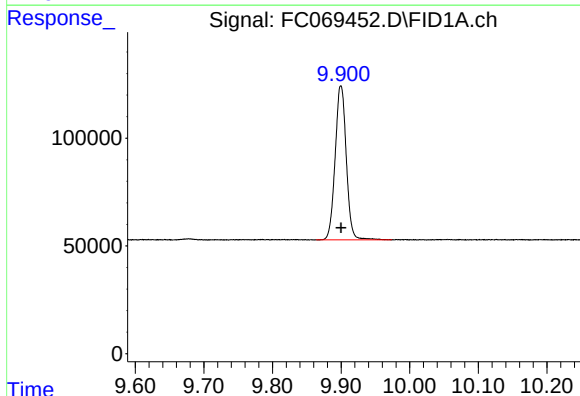
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 801282
Conc: 5.48 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



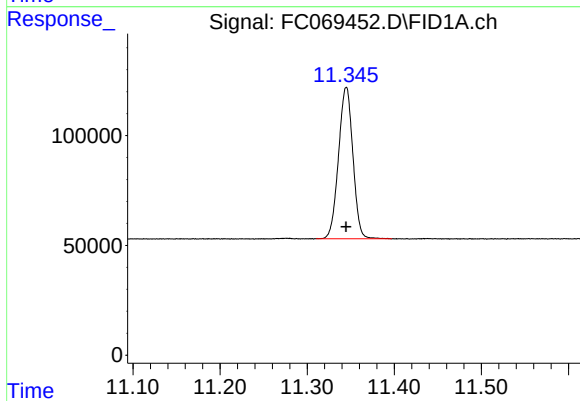
#6 n-Tetradecane (C14)

R.T.: 8.295 min
Delta R.T.: 0.000 min
Response: 778133
Conc: 5.47 ug/ml



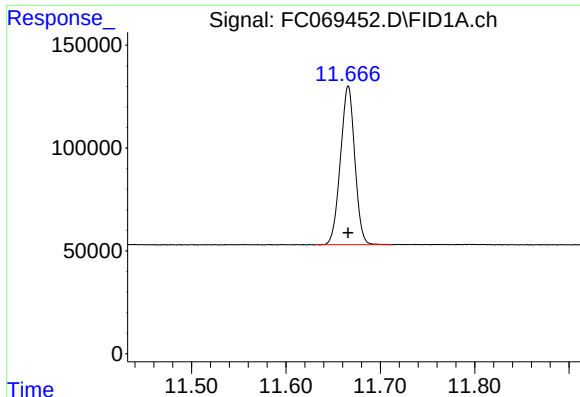
#7 n-Hexadecane (C16)

R.T.: 9.900 min
Delta R.T.: 0.000 min
Response: 803823
Conc: 5.51 ug/ml



#8 n-Octadecane (C18)

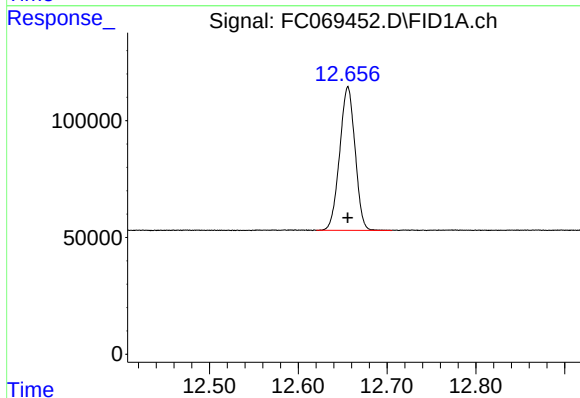
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 791730
Conc: 5.50 ug/ml



#9 ortho-Terphenyl (SURR)

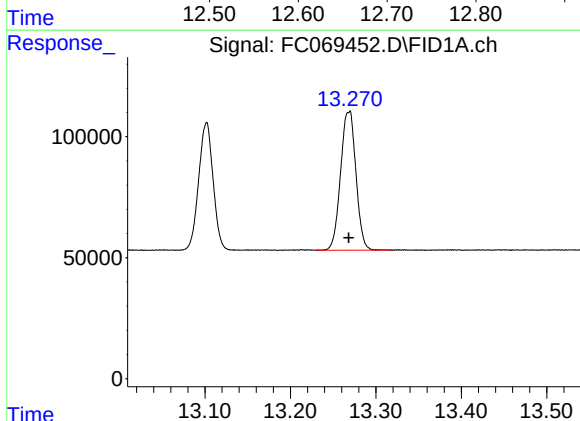
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 814301
Conc: 5.49 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



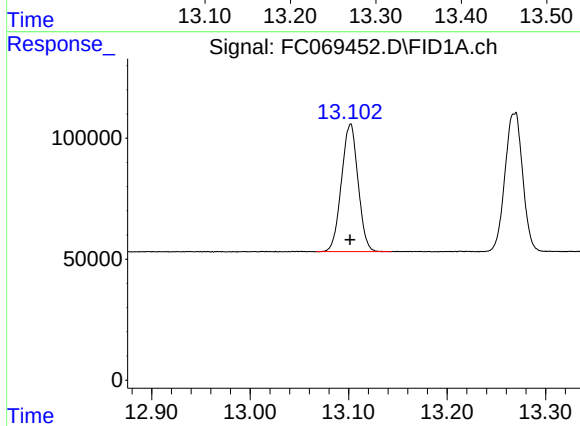
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.000 min
Response: 740380
Conc: 5.51 ug/ml



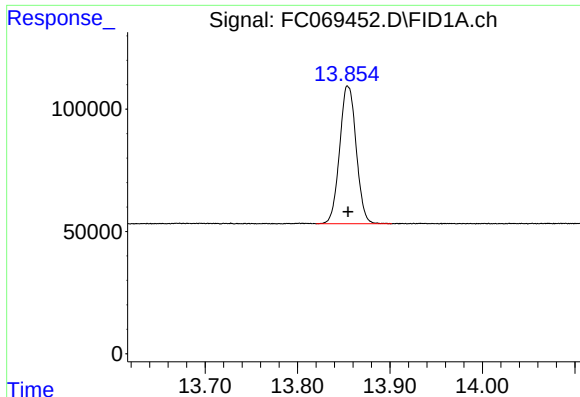
#11 n-Heneicosane (C21)

R.T.: 13.268 min
Delta R.T.: 0.000 min
Response: 716152
Conc: 5.51 ug/ml



#12 1-chlorooctadecane (SURR)

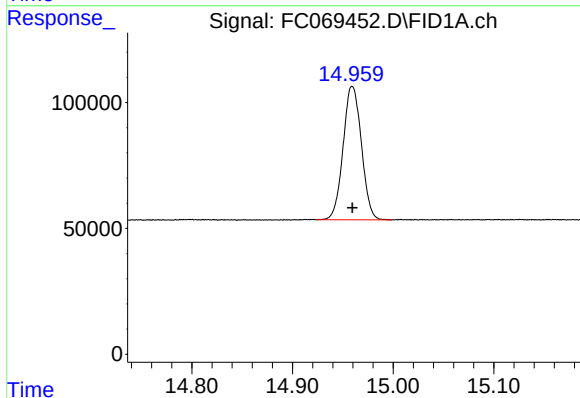
R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 617490
Conc: 5.46 ug/ml



#13 n-Docosane (C22)

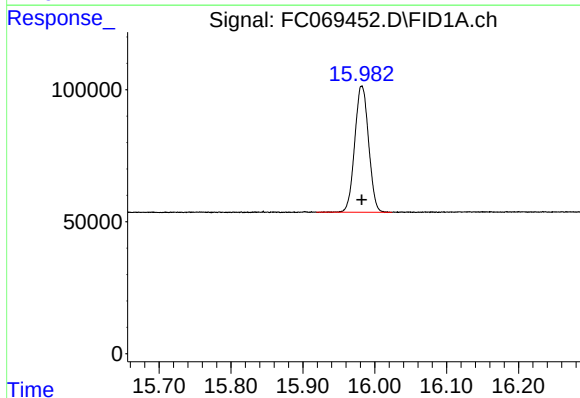
R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 699269
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



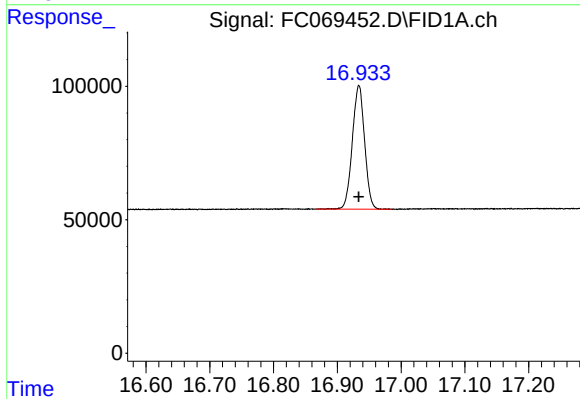
#14 n-Tetracosane (C24)

R.T.: 14.960 min
Delta R.T.: 0.000 min
Response: 670008
Conc: 5.49 ug/ml



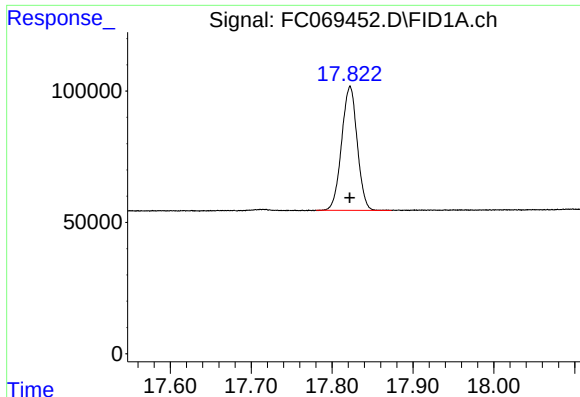
#15 n-Hexacosane (C26)

R.T.: 15.982 min
Delta R.T.: 0.000 min
Response: 639609
Conc: 5.51 ug/ml



#16 n-Octacosane (C28)

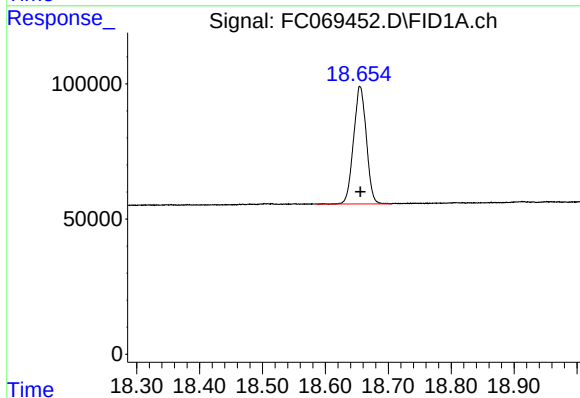
R.T.: 16.934 min
Delta R.T.: 0.000 min
Response: 620060
Conc: 5.60 ug/ml



#17 n-Tricontane (C30)

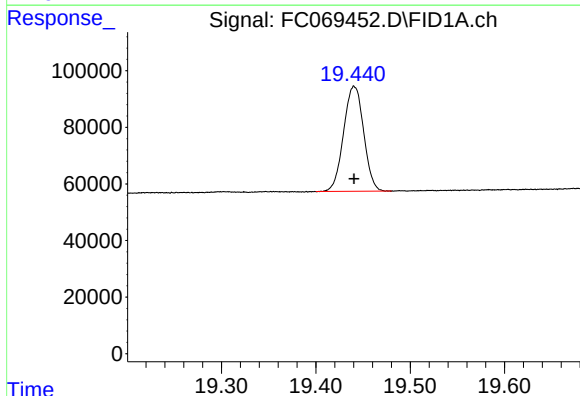
R.T.: 17.822 min
Delta R.T.: 0.000 min
Response: 631378
Conc: 5.77 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



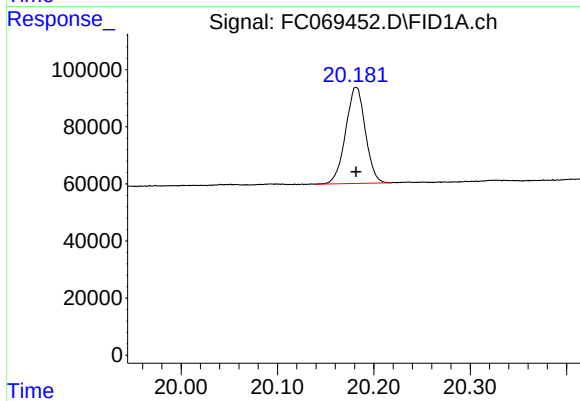
#18 n-Dotriacontane (C32)

R.T.: 18.655 min
Delta R.T.: 0.000 min
Response: 611929
Conc: 5.90 ug/ml



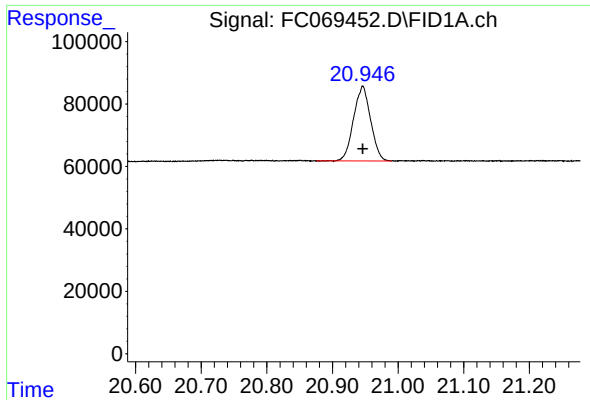
#19 n-Tetratriacontane (C34)

R.T.: 19.441 min
Delta R.T.: 0.000 min
Response: 549425
Conc: 5.83 ug/ml



#20 n-Hexatriacontane (C36)

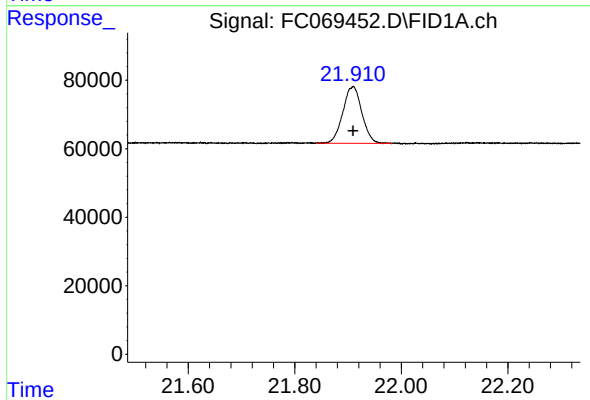
R.T.: 20.182 min
Delta R.T.: 0.000 min
Response: 476252
Conc: 5.77 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.946 min
Delta R.T.: 0.000 min
Response: 432685
Conc: 5.70 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.909 min
Delta R.T.: 0.000 min
Response: 410409
Conc: 5.60 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069452.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 12:05
 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 071525.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	3.394	3.365	3.440	BB	90397	750485	90.09%	5.026%
2	4.470	4.440	4.514	BB	85196	765101	91.85%	5.124%
3	6.066	6.037	6.132	BB	90198	833004	100.00%	5.579%
4	6.496	6.465	6.539	BB	79215	778847	93.50%	5.216%
5	7.125	7.090	7.210	BB	80603	801282	96.19%	5.366%
6	8.295	8.265	8.354	BB	72406	778133	93.41%	5.211%
7	9.900	9.864	9.974	BB	71433	803823	96.50%	5.383%
8	11.345	11.310	11.397	BB	69121	791730	95.05%	5.302%
9	11.666	11.632	11.712	BB	77099	814301	97.75%	5.453%
10	12.656	12.620	12.705	BB	61401	740380	88.88%	4.958%
11	13.102	13.067	13.144	BB	52870	617490	74.13%	4.135%
12	13.268	13.230	13.319	BB	56844	716152	85.97%	4.796%
13	13.855	13.820	13.902	BB	55872	699269	83.95%	4.683%
14	14.960	14.924	14.999	BB	52918	670008	80.43%	4.487%
15	15.982	15.919	16.024	BB	47746	639609	76.78%	4.284%
16	16.934	16.867	16.985	BB	46455	620060	74.44%	4.153%
17	17.822	17.780	17.874	BB	47237	631378	75.80%	4.228%
18	18.655	18.585	18.705	BB	43285	611929	73.46%	4.098%
19	19.441	19.400	19.480	BB	37221	549425	65.96%	3.680%
20	20.182	20.140	20.219	BB	33628	476252	57.17%	3.190%
21	20.946	20.875	20.990	BB	24032	432685	51.94%	2.898%
22	21.909	21.840	21.982	BB	16534	410409	49.27%	2.749%
Sum of corrected areas:							14931751	

Aliphatic EPH 071525.M Tue Jul 15 12:40:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069453.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 12:52
 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: Jul 15 13:16:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.668	2845378	19.173 ug/ml
Spiked Amount 50.000		Recovery =	38.35%
12) S 1-chlorooctadecane (S...	13.104	2167375	19.179 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
Target Compounds			
1) T n-Nonane (C9)	3.400	2643588	19.427 ug/ml
2) T n-Decane (C10)	4.474	2716268	19.516 ug/ml
3) T A~Naphthalene (C11.7)	6.068	2929559	19.387 ug/ml
4) T n-Dodecane (C12)	6.499	2786385	19.659 ug/ml
5) T A~2-methylnaphthalene...	7.128	2828279	19.359 ug/ml
6) T n-Tetradecane (C14)	8.298	2809138	19.757 ug/ml
7) T n-Hexadecane (C16)	9.902	2870883	19.669 ug/ml
8) T n-Octadecane (C18)	11.347	2802831	19.485 ug/ml
10) T n-Eicosane (C20)	12.658	2593298	19.317 ug/ml
11) T n-Heneicosane (C21)	13.271	2502094	19.263 ug/ml
13) T n-Docosane (C22)	13.858	2437741	19.193 ug/ml
14) T n-Tetracosane (C24)	14.962	2338129	19.157 ug/ml
15) T n-Hexacosane (C26)	15.985	2218225	19.093 ug/ml
16) T n-Octacosane (C28)	16.935	2114801	19.102 ug/ml
17) T n-Tricontane (C30)	17.824	2102291	19.199 ug/ml
18) T n-Dotriacontane (C32)	18.658	2003331	19.305 ug/ml
19) T n-Tetratriacontane (C34)	19.442	1827746	19.397 ug/ml
20) T n-Hexatriacontane (C36)	20.184	1603885	19.418 ug/ml
21) T n-Octatriacontane (C38)	20.948	1475764	19.430 ug/ml
22) T n-Tetracontane (C40)	21.911	1429602	19.517 ug/ml

(f)=RT Delta > 1/2 Window

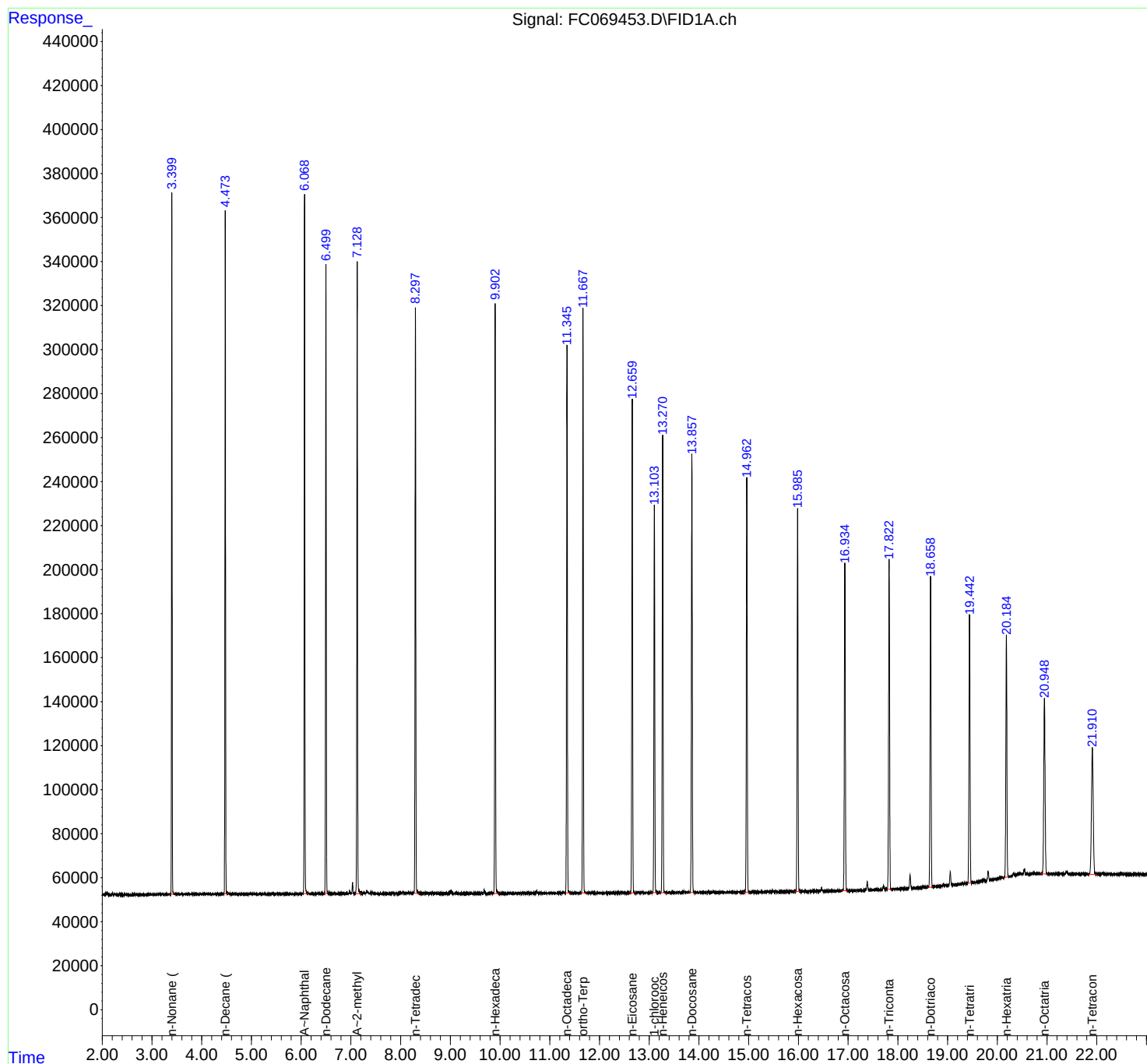
(m)=manual int.

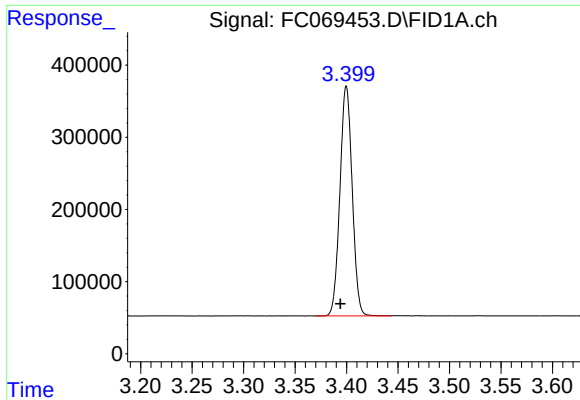
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069453.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 12:52
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 15 13:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

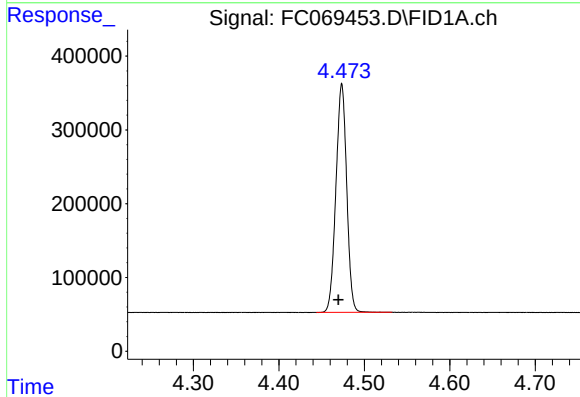




#1 n-Nonane (C9)

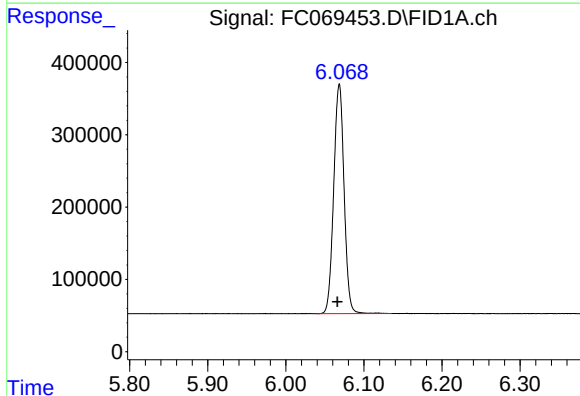
R.T.: 3.400 min
Delta R.T.: 0.006 min
Response: 2643588
Conc: 19.43 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



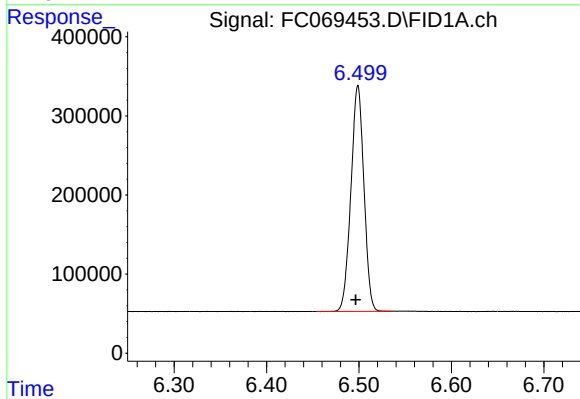
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.004 min
Response: 2716268
Conc: 19.52 ug/ml



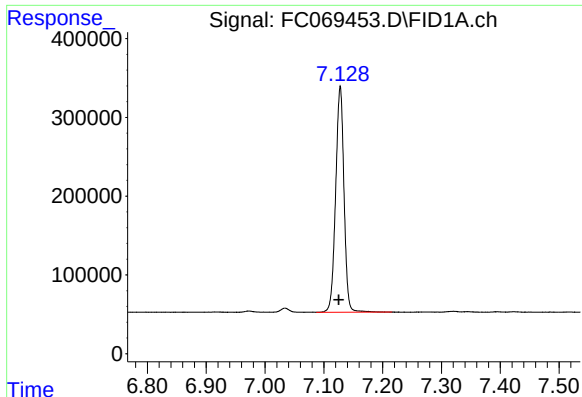
#3 A~Naphthalene (C11.7)

R.T.: 6.068 min
Delta R.T.: 0.002 min
Response: 2929559
Conc: 19.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.499 min
Delta R.T.: 0.002 min
Response: 2786385
Conc: 19.66 ug/ml



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

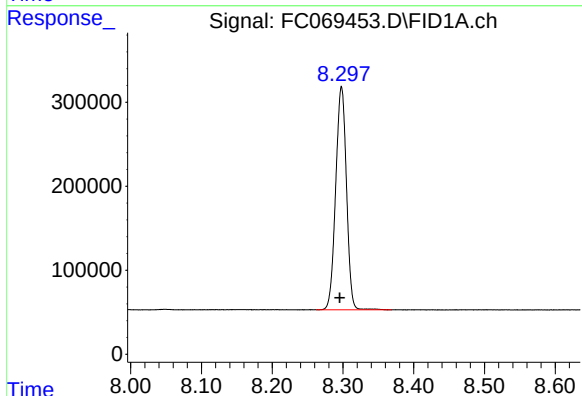
R.T.: 7.128 min
Delta R.T.: 0.002 min
Response: 2828279
Conc: 19.36 ug/ml

Instrument :

FID_C

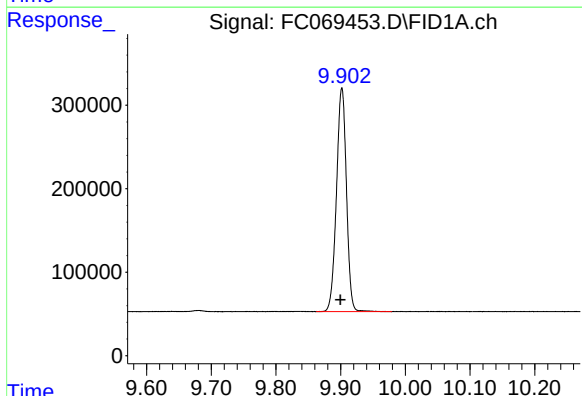
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



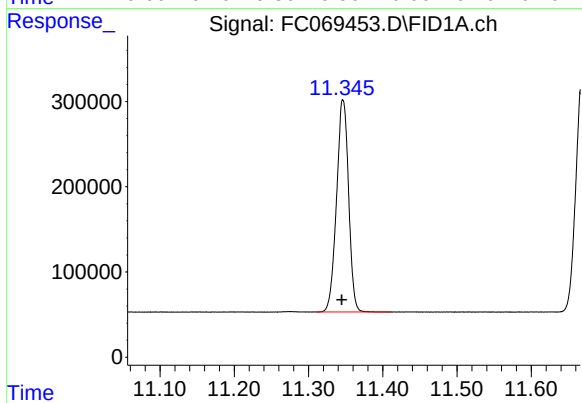
#6 n-Tetradecane (C14)

R.T.: 8.298 min
Delta R.T.: 0.002 min
Response: 2809138
Conc: 19.76 ug/ml



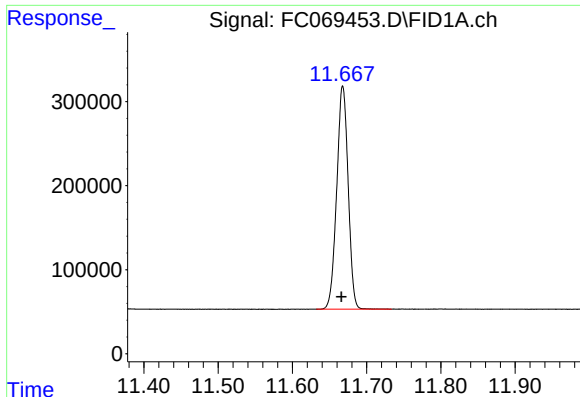
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.002 min
Response: 2870883
Conc: 19.67 ug/ml



#8 n-Octadecane (C18)

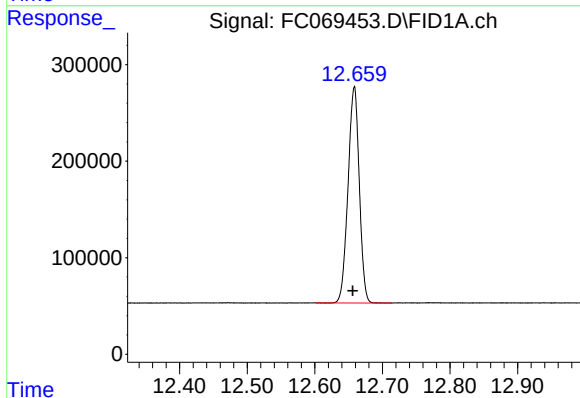
R.T.: 11.347 min
Delta R.T.: 0.002 min
Response: 2802831
Conc: 19.48 ug/ml



#9 ortho-Terphenyl (SURR)

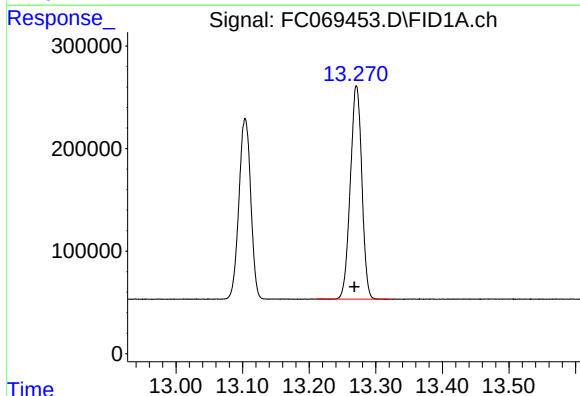
R.T.: 11.668 min
Delta R.T.: 0.002 min
Response: 2845378
Conc: 19.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



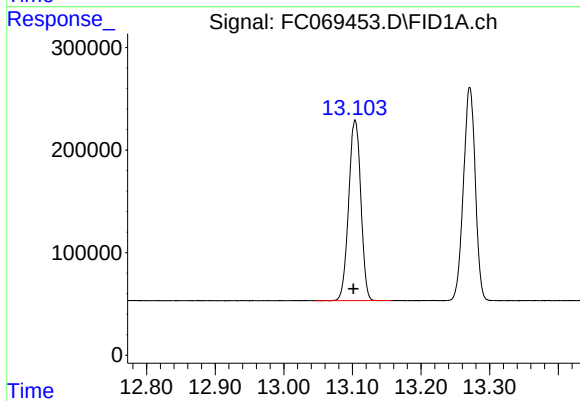
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.002 min
Response: 2593298
Conc: 19.32 ug/ml



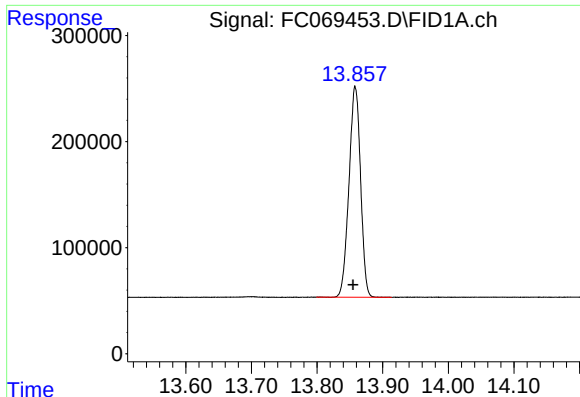
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.003 min
Response: 2502094
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

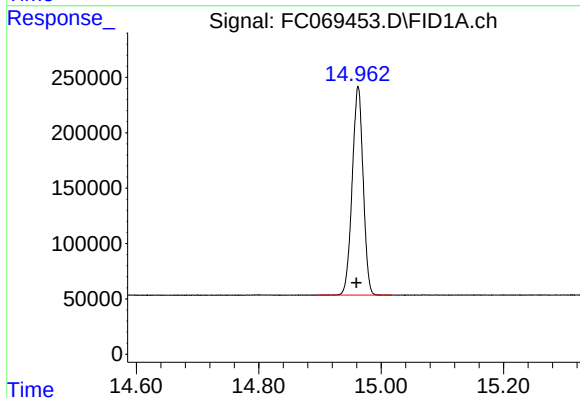
R.T.: 13.104 min
Delta R.T.: 0.002 min
Response: 2167375
Conc: 19.18 ug/ml



#13 n-Docosane (C22)

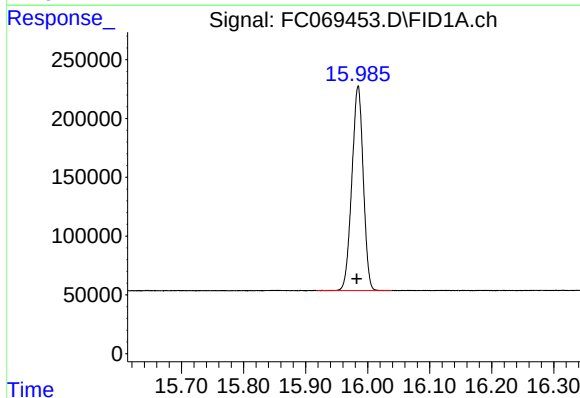
R.T.: 13.858 min
Delta R.T.: 0.003 min
Response: 2437741
Conc: 19.19 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



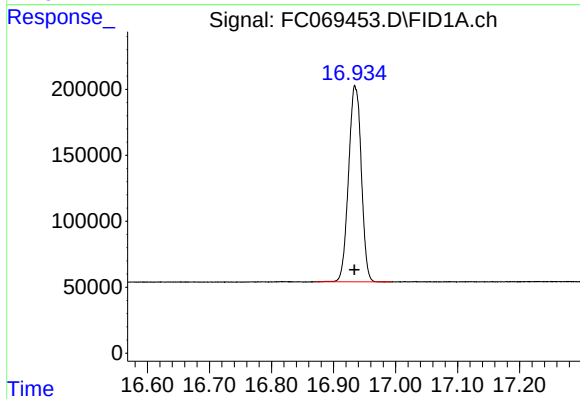
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: 0.003 min
Response: 2338129
Conc: 19.16 ug/ml



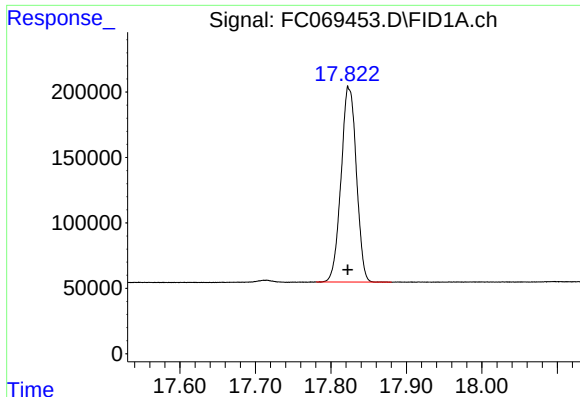
#15 n-Hexacosane (C26)

R.T.: 15.985 min
Delta R.T.: 0.002 min
Response: 2218225
Conc: 19.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.935 min
Delta R.T.: 0.001 min
Response: 2114801
Conc: 19.10 ug/ml



#17 n-Tricontane (C30)

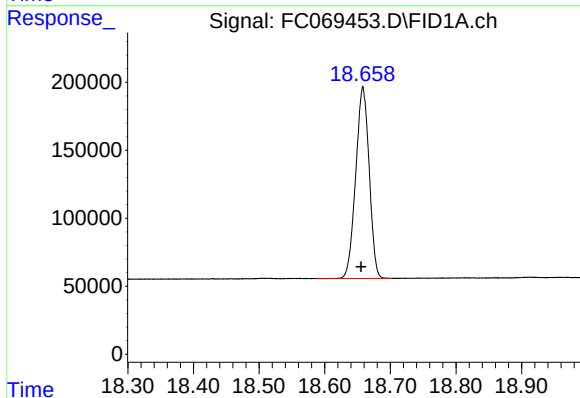
R.T.: 17.824 min
Delta R.T.: 0.002 min
Response: 2102291
Conc: 19.20 ug/ml

Instrument :

FID_C

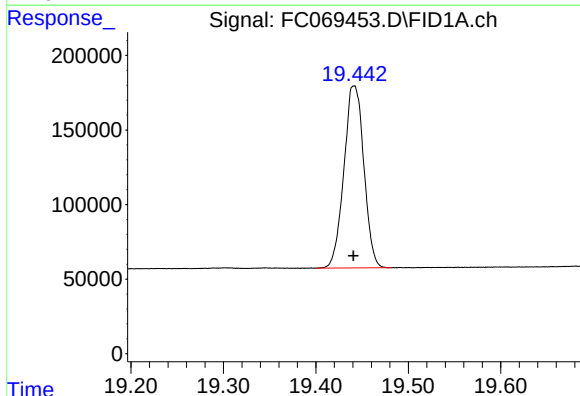
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



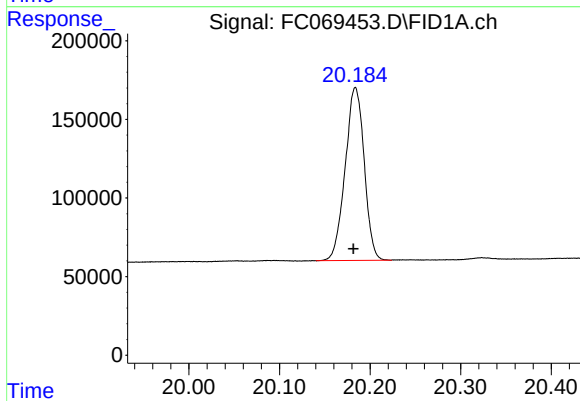
#18 n-Dotriacontane (C32)

R.T.: 18.658 min
Delta R.T.: 0.003 min
Response: 2003331
Conc: 19.31 ug/ml



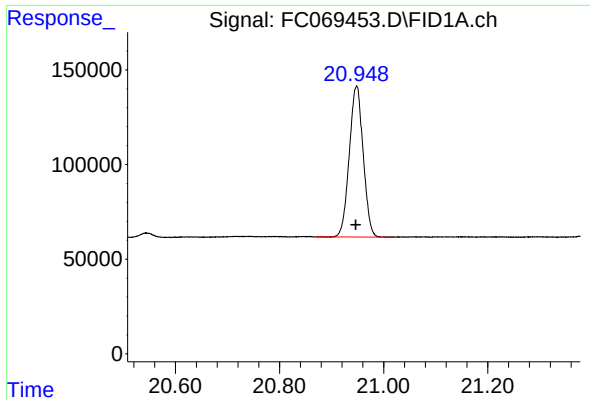
#19 n-Tetratriacontane (C34)

R.T.: 19.442 min
Delta R.T.: 0.000 min
Response: 1827746
Conc: 19.40 ug/ml



#20 n-Hexatriacontane (C36)

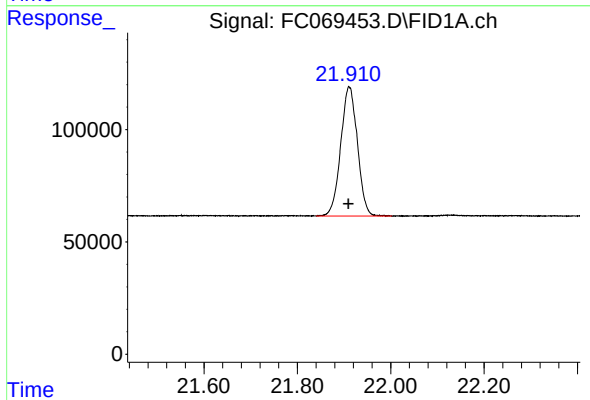
R.T.: 20.184 min
Delta R.T.: 0.002 min
Response: 1603885
Conc: 19.42 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.948 min
Delta R.T.: 0.002 min
Response: 1475764
Conc: 19.43 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.911 min
Delta R.T.: 0.002 min
Response: 1429602
Conc: 19.52 ug/ml

Initial Calibration Report for SequenceID : FD071525AR

AreaCount

Parameter Range	FD049538.D	FD049539.D	FD049540.D	FD049541.D	FD049542.D	
Aromatic C10-C12	27542661.000	13670315.000	5629658.000	2796971.000	1338631.000	
Aromatic C12-C16	46873326.000	23392224.000	9513685.000	4783181.000	2270185.000	
Aromatic C16-C21	64295889.000	32144925.000	13063585.000	6631185.000	3117571.000	
Aromatic C21-C36	124530069.000	62781441.000	25558142.000	12902531.000	6159693.000	
Aromatic EPH	263241945.000	131988905.000	53765070.000	27113868.000	12886080.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	137773.911	1.973				
Aromatic C12-C16	156307.8059996	2.014				
Aromatic C16-C21	161283.467	2.28				
Aromatic C21-C36	140022.8513328	1.885				
Aromatic EPH	147211.709444	1.974				

Concentration

Parameter Range	FD049538.D	FD049539.D	FD049540.D	FD049541.D	FD049542.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	FD049538.D	FD049539.D	FD049540.D	FD049541.D	FD049542.D	
Aromatic C10-C12	137713.305000	136703.150000	140741.450000	139848.550000	133863.100000	
Aromatic C12-C16	156244.420000	155948.160000	158561.416666	159439.366666	151345.666666	
Aromatic C16-C21	160739.722500	160724.625000	163294.812500	165779.625000	155878.550000	
Aromatic C21-C36	138366.743333	139514.313333	141989.677777	143361.455555	136882.066666	
Aromatic EPH	146245.525000	146654.338888	149347.416666	150632.600000	143178.666666	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049538.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 09:05
 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: Jul 15 11:12:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:09:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

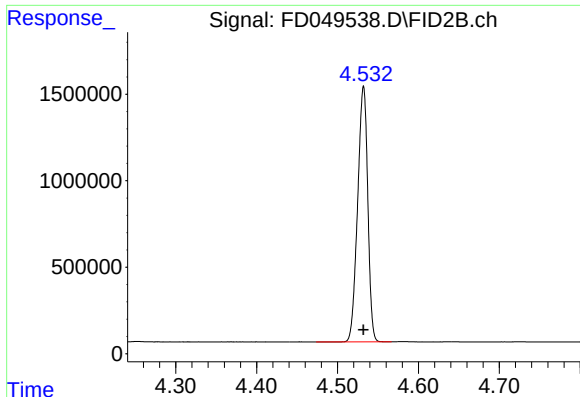
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.740	13114429	99.345 ug/ml
Spiked Amount 50.000		Recovery =	198.69%
6) S 2-Fluorobiphenyl (SURR)	8.607	9328277	99.781 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.56%#
11) S ortho-Terphenyl (SURR)	11.651	16179409	98.994 ug/ml
Spiked Amount 50.000		Recovery =	197.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	12838724	98.468 ug/ml
2) T Naphthalene (C11.7)	6.077	14703937	99.304 ug/ml
3) T 2-Methylnaphthalene (...)	7.132	15251945	99.307 ug/ml
5) T Acenaphthylene (C15.06)	8.411	15818960	99.138 ug/ml
7) T Acenaphthene (C15.5)	8.709	15802421	99.349 ug/ml
8) T Flouorene (C16.55)	9.490	15933145	99.418 ug/ml
9) T Phenanthrene (C19.36)	10.889	16293108	99.056 ug/ml
10) T Anthracene (C19.43)	10.966	15958629	99.393 ug/ml
12) T Fluoranthene (C21.85)	12.705	16137775	98.964 ug/ml
13) T Pyrene (C20.8)	13.004	16111007	98.987 ug/ml
14) T Benzo[a]anthracene (C...	14.875	14742474	99.351 ug/ml
15) T Chrysene (C27.41)	14.923	14884346	99.192 ug/ml
16) T benzo[b]fluoranthene ...	16.428	14149991	99.133 ug/ml
17) T Bnezo[k]fluoranthene ...	16.466	13166303	98.457 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.811	13647797	98.747 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.176	12612631	100.175 ug/ml
20) T Dibenz[a,h]anthracene...	18.216	12279372	96.677 ug/ml
21) T Benzo[g,h,i]perylene ...	18.438	12909380	98.040 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



#1 1,2,3-Trimethylbenzene (C10.1)

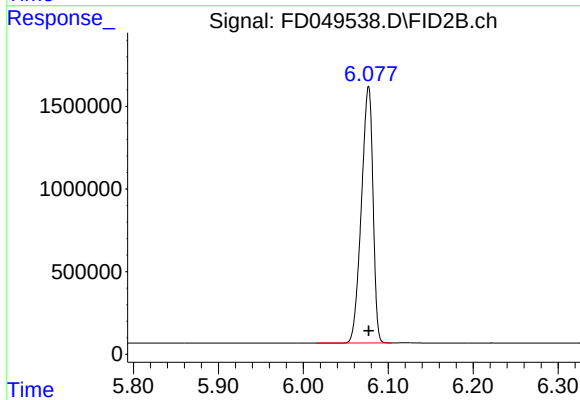
R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 12838724
Conc: 98.47 ug/ml

Instrument :

FID_D

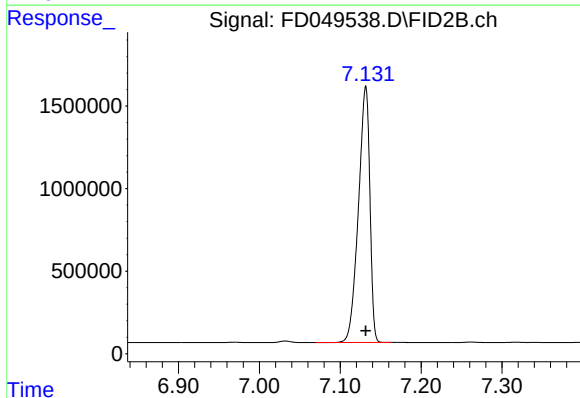
ClientSampleId :

100 PPM AROMATIC HC STD1



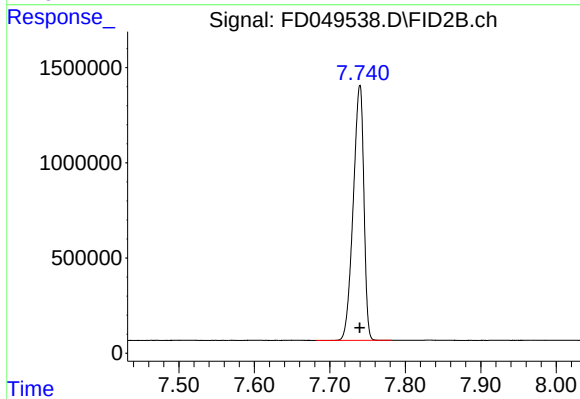
#2 Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 14703937
Conc: 99.30 ug/ml



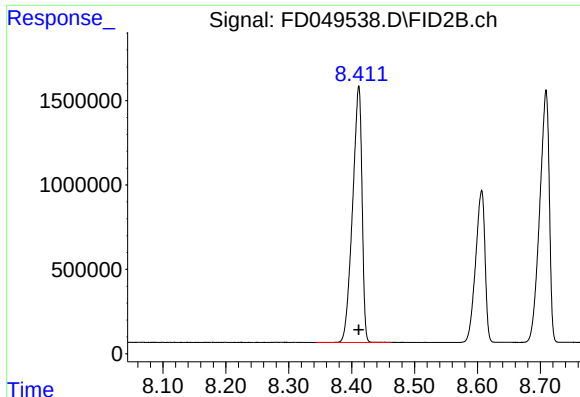
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 15251945
Conc: 99.31 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.740 min
Delta R.T.: 0.000 min
Response: 13114429
Conc: 99.34 ug/ml



#5 Acenaphthylene (C15.06)

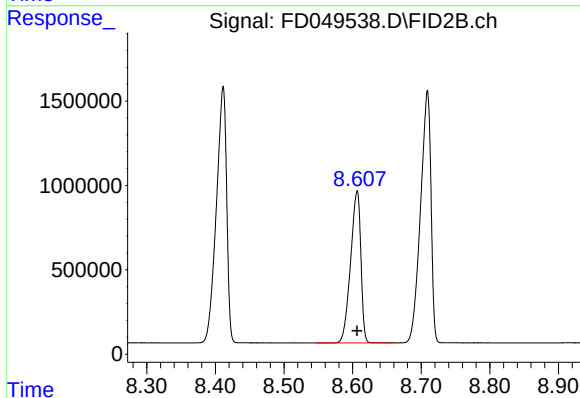
R.T.: 8.411 min
Delta R.T.: 0.000 min
Response: 15818960
Conc: 99.14 ug/ml

Instrument :

FID_D

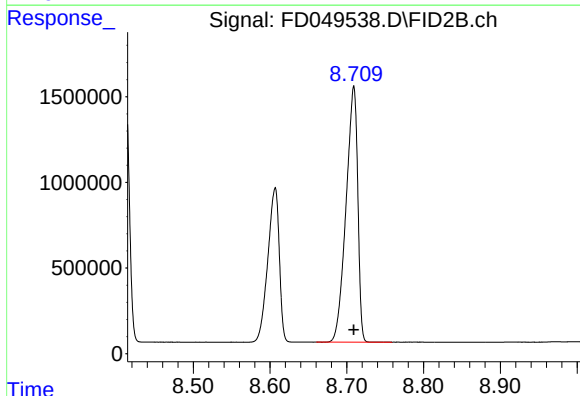
ClientSampleId :

100 PPM AROMATIC HC STD1



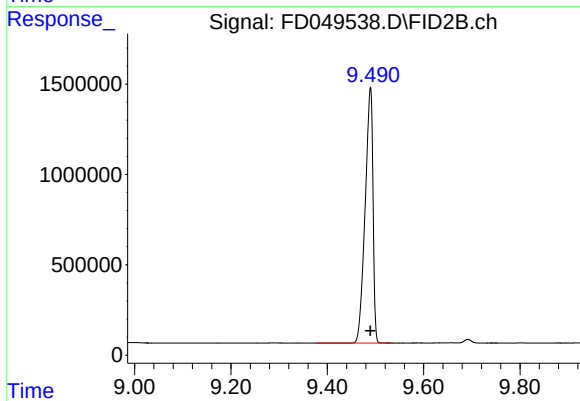
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.607 min
Delta R.T.: 0.000 min
Response: 9328277
Conc: 99.78 ug/ml



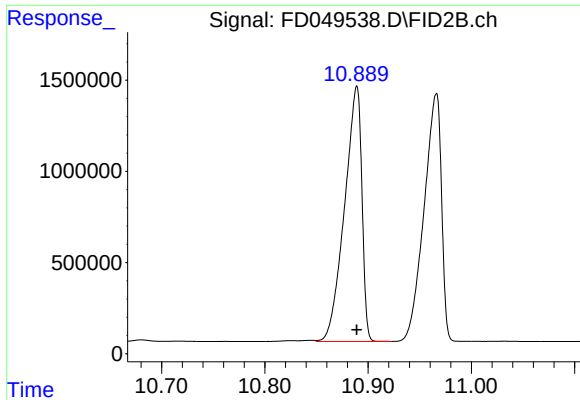
#7 Acenaphthene (C15.5)

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 15802421
Conc: 99.35 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.490 min
Delta R.T.: 0.000 min
Response: 15933145
Conc: 99.42 ug/ml



#9 Phenanthrene (C19.36)

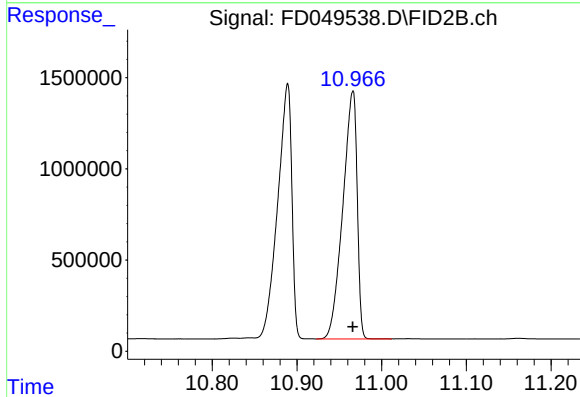
R.T.: 10.889 min
Delta R.T.: 0.000 min
Response: 16293108
Conc: 99.06 ug/ml

Instrument :

FID_D

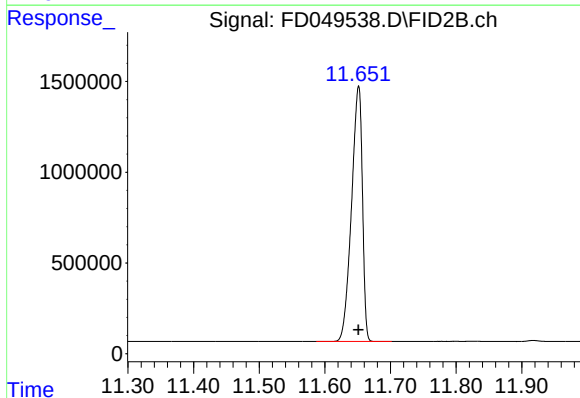
ClientSampleId :

100 PPM AROMATIC HC STD1



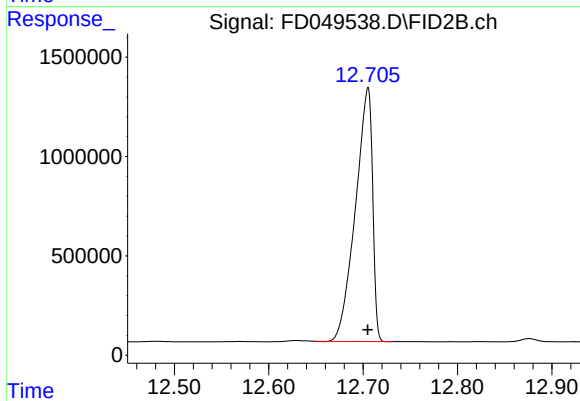
#10 Anthracene (C19.43)

R.T.: 10.966 min
Delta R.T.: 0.000 min
Response: 15958629
Conc: 99.39 ug/ml



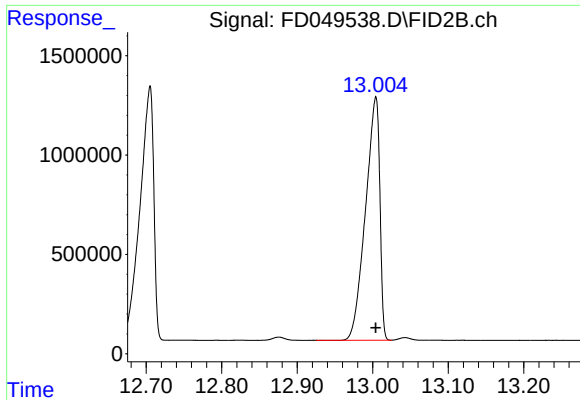
#11 ortho-Terphenyl (SURR)

R.T.: 11.651 min
Delta R.T.: 0.000 min
Response: 16179409
Conc: 98.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 16137775
Conc: 98.96 ug/ml



#13 Pyrene (C20.8)

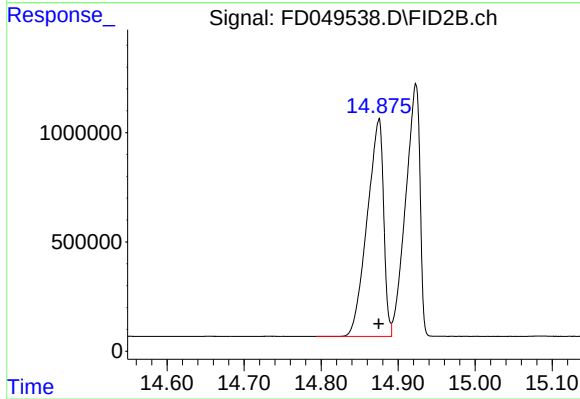
R.T.: 13.004 min
Delta R.T.: 0.000 min
Response: 16111007
Conc: 98.99 ug/ml

Instrument :

FID_D

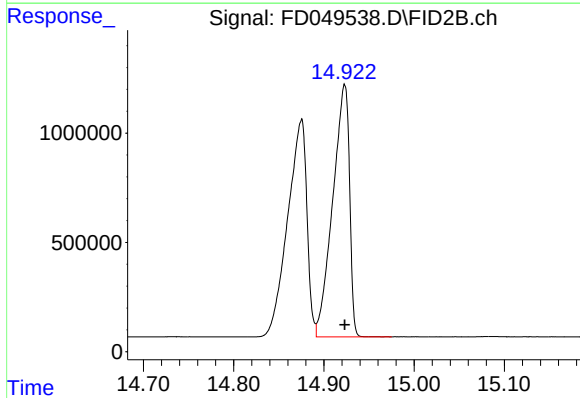
ClientSampleId :

100 PPM AROMATIC HC STD1



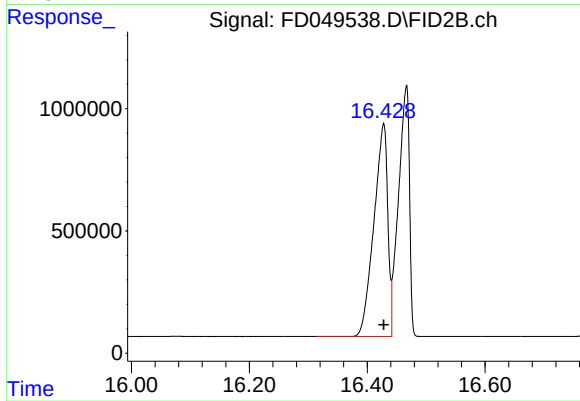
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.875 min
Delta R.T.: 0.000 min
Response: 14742474
Conc: 99.35 ug/ml



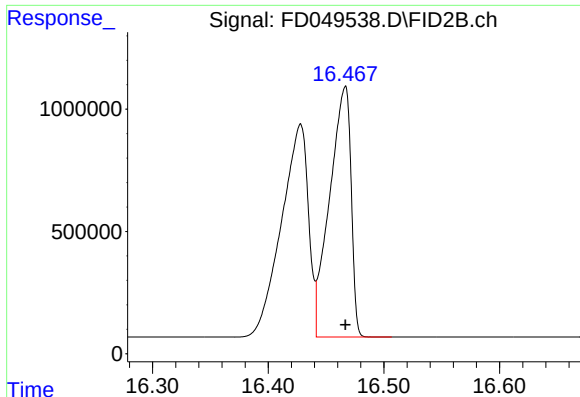
#15 Chrysene (C27.41)

R.T.: 14.923 min
Delta R.T.: 0.000 min
Response: 14884346
Conc: 99.19 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.428 min
Delta R.T.: 0.000 min
Response: 14149991
Conc: 99.13 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

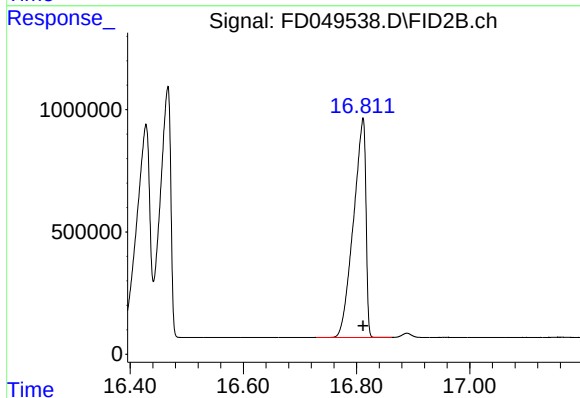
R.T.: 16.466 min
Delta R.T.: 0.000 min
Response: 13166303
Conc: 98.46 ug/ml

Instrument :

FID_D

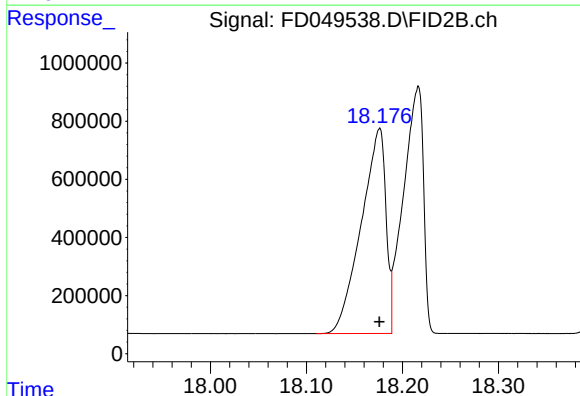
ClientSampleId :

100 PPM AROMATIC HC STD1



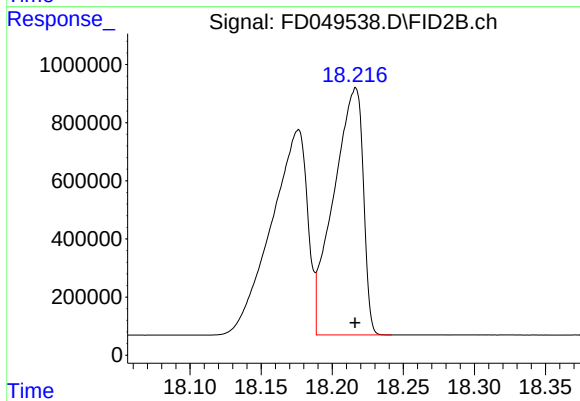
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.811 min
Delta R.T.: 0.000 min
Response: 13647797
Conc: 98.75 ug/ml



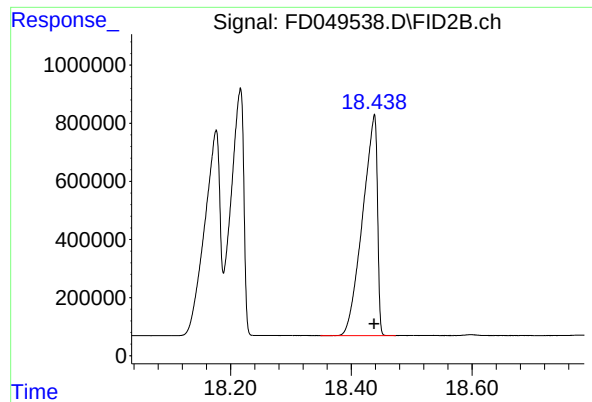
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.176 min
Delta R.T.: 0.000 min
Response: 12612631
Conc: 100.18 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 12279372
Conc: 96.68 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.438 min
Delta R.T.: 0.000 min
Response: 12909380
Conc: 98.04 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049538.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 09:05
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 071525.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	4.532	4.473	4.567	BV	1477478	12838724	78.80%	4.253%
2	6.077	6.015	6.104	BV	1556240	14703937	90.25%	4.871%
3	7.132	7.070	7.163	BV	1555108	15251945	93.61%	5.053%
4	7.740	7.682	7.782	BV	1343744	13114429	80.49%	4.344%
5	8.411	8.343	8.463	BB	1524951	15818960	97.09%	5.240%
6	8.607	8.547	8.657	BB	902204	9328277	57.25%	3.090%
7	8.709	8.660	8.758	BB	1491868	15802421	96.99%	5.235%
8	9.490	9.377	9.533	BB	1418641	15933145	97.79%	5.278%
9	10.889	10.850	10.923	VV	1398093	16293108	100.00%	5.397%
10	10.966	10.923	11.012	VV	1358426	15958629	97.95%	5.287%
11	11.651	11.587	11.702	BB	1410826	16179409	99.30%	5.360%
12	12.705	12.650	12.730	BB	1281166	16137775	99.05%	5.346%
13	13.004	12.925	13.025	BV	1222335	16111007	98.88%	5.337%
14	14.875	14.793	14.891	BV	993912	14742474	90.48%	4.884%
15	14.923	14.891	14.975	VB	1155491	14884346	91.35%	4.931%
16	16.428	16.313	16.442	BV	872222	14149991	86.85%	4.688%
17	16.466	16.442	16.507	VB	1027770	13166303	80.81%	4.362%
18	16.811	16.728	16.862	BB	901010	13647797	83.76%	4.521%
19	18.176	18.110	18.189	BV	709317	12612631	77.41%	4.178%
20	18.216	18.189	18.242	VB	853148	12279372	75.37%	4.068%
21	18.438	18.348	18.473	BB	763932	12909380	79.23%	4.277%
Sum of corrected areas:						301864059		

Aromatic EPH 071525.M Tue Jul 15 12:44:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049539.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 09:50
 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: Jul 15 11:13:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:09:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.736	6542337	49.706 ug/ml
Spiked Amount 50.000		Recovery =	99.41%
6) S 2-Fluorobiphenyl (SURR)	8.602	4647189	49.806 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.61%
11) S ortho-Terphenyl (SURR)	11.646	8100297	49.707 ug/ml
Spiked Amount 50.000		Recovery =	99.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.530	6376298	49.264 ug/ml
2) T Naphthalene (C11.7)	6.073	7294017	49.505 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	7592042	49.620 ug/ml
5) T Acenaphthylene (C15.06)	8.406	7904367	49.690 ug/ml
7) T Acenaphthene (C15.5)	8.702	7895815	49.760 ug/ml
8) T Flouorene (C16.55)	9.483	7966758	49.806 ug/ml
9) T Phenanthrene (C19.36)	10.881	8143591	49.672 ug/ml
10) T Anthracene (C19.43)	10.958	7957582	49.707 ug/ml
12) T Fluoranthene (C21.85)	12.696	8091221	49.745 ug/ml
13) T Pyrene (C20.8)	12.995	8076994	49.750 ug/ml
14) T Benzo[a]anthracene (C...	14.865	7383814	49.840 ug/ml
15) T Chrysene (C27.41)	14.911	7457276	49.797 ug/ml
16) T benzo[b]fluoranthene ...	16.417	7096871	49.813 ug/ml
17) T Bnezo[k]fluoranthene ...	16.452	6672332	49.919 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.798	6890720	49.905 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.161	6233249	49.670 ug/ml
20) T Dibenz[a,h]anthracene...	18.201	6408313	50.097 ug/ml
21) T Benzo[g,h,i]perylene ...	18.420	6547645	49.817 ug/ml

(f)=RT Delta > 1/2 Window

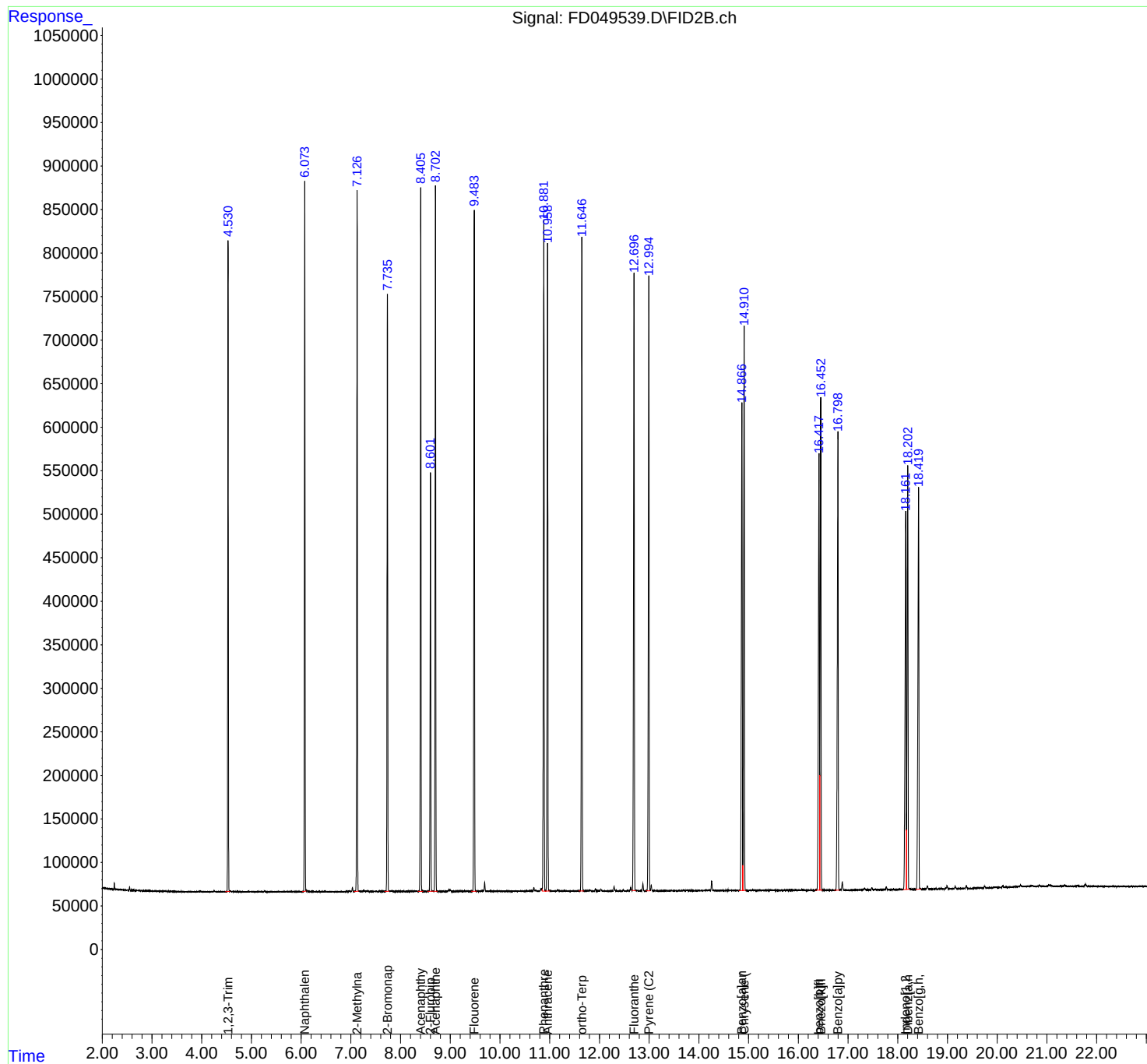
(m)=manual int.

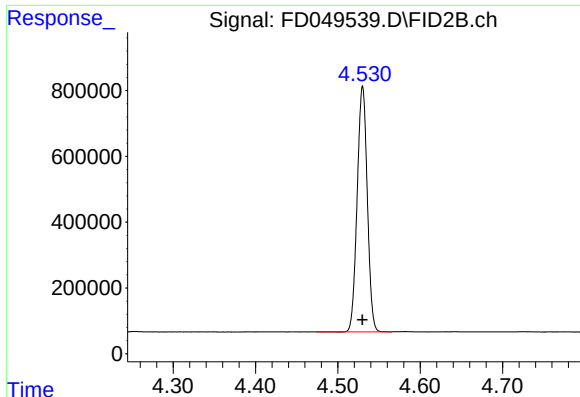
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049539.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 09:50
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 15 11:13:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:09:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

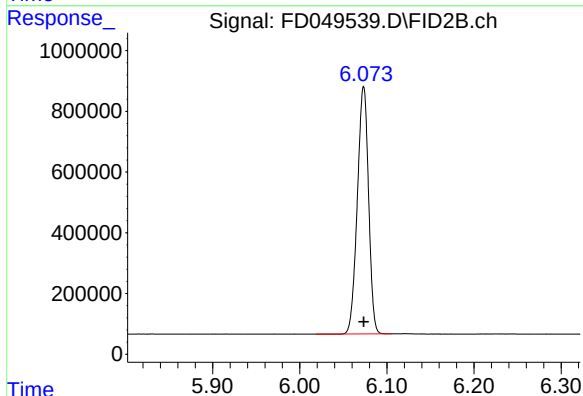




#1 1,2,3-Trimethylbenzene (C10.1)

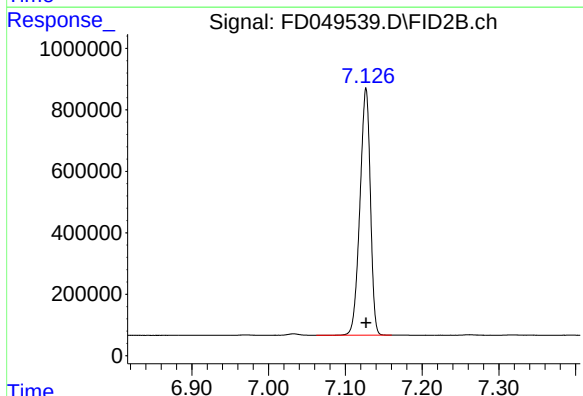
R.T.: 4.530 min
Delta R.T.: 0.000 min
Response: 6376298
Conc: 49.26 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



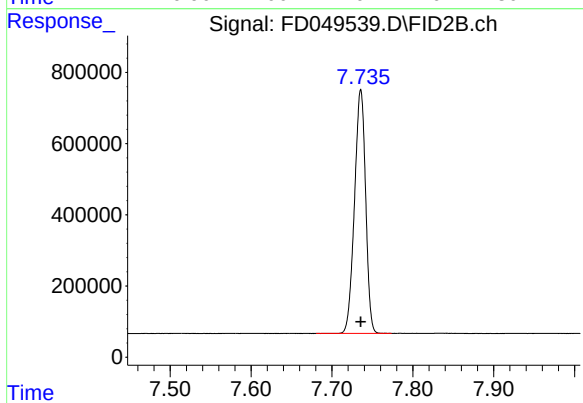
#2 Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 7294017
Conc: 49.50 ug/ml



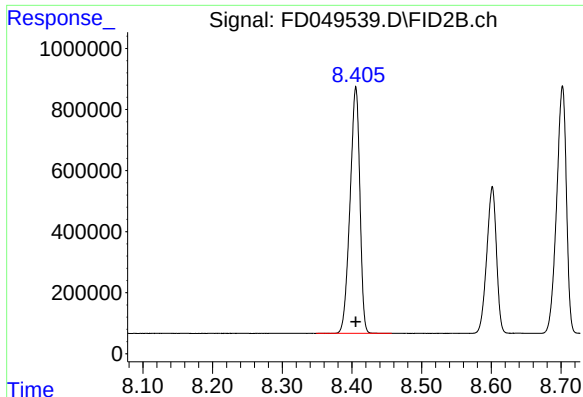
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.127 min
Delta R.T.: 0.000 min
Response: 7592042
Conc: 49.62 ug/ml



#4 2-Bromonaphthalene (SURR)

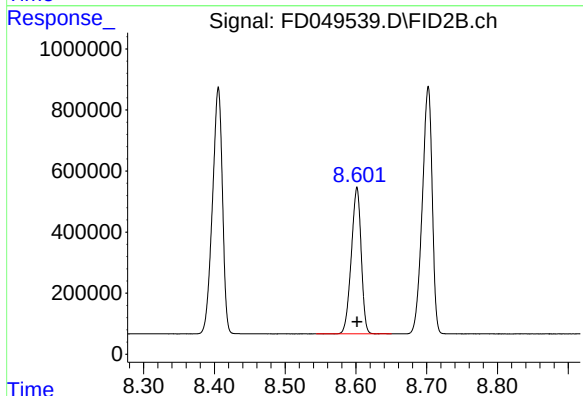
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 6542337
Conc: 49.71 ug/ml



#5 Acenaphthylene (C15.06)

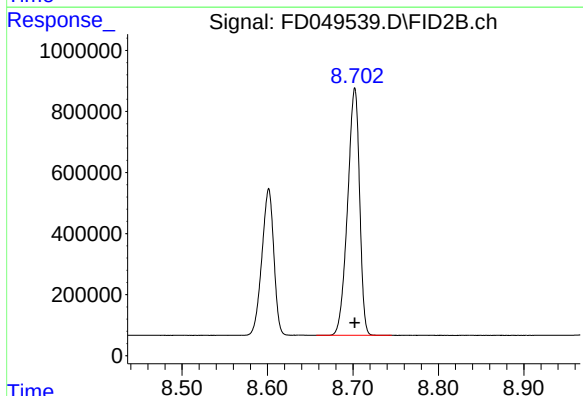
R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 7904367
Conc: 49.69 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



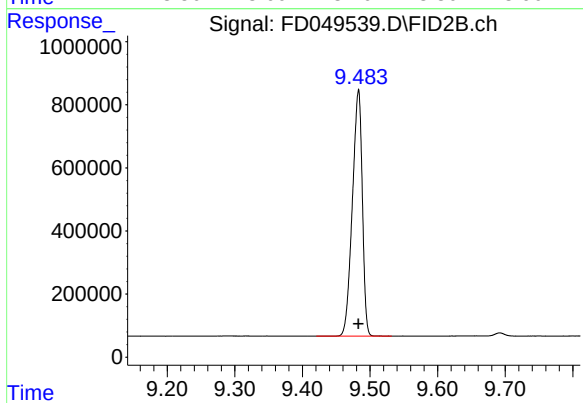
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.602 min
Delta R.T.: 0.000 min
Response: 4647189
Conc: 49.81 ug/ml



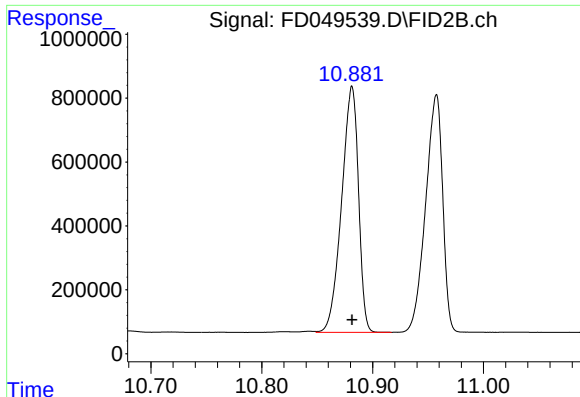
#7 Acenaphthene (C15.5)

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 7895815
Conc: 49.76 ug/ml



#8 Fluorene (C16.55)

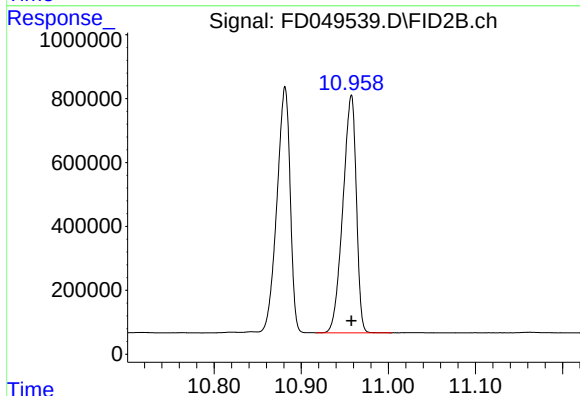
R.T.: 9.483 min
Delta R.T.: 0.000 min
Response: 7966758
Conc: 49.81 ug/ml



#9 Phenanthrene (C19.36)

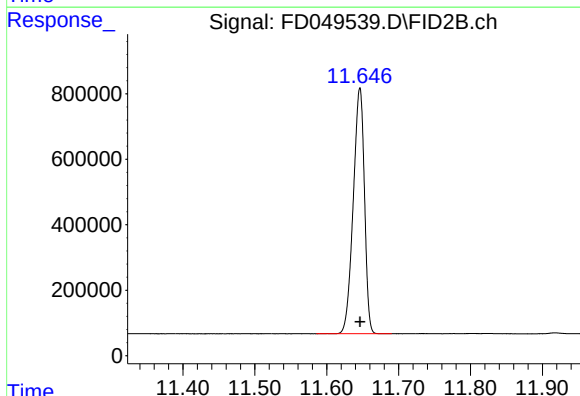
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 8143591
Conc: 49.67 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



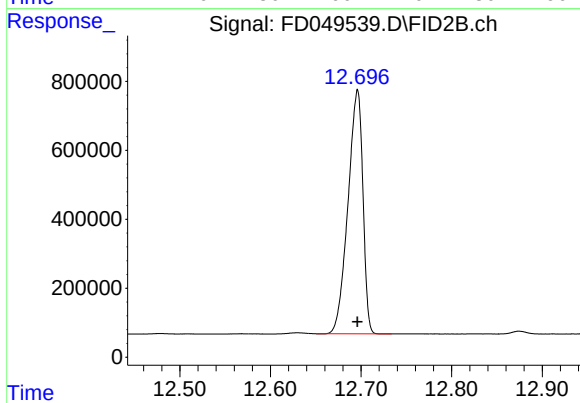
#10 Anthracene (C19.43)

R.T.: 10.958 min
Delta R.T.: 0.000 min
Response: 7957582
Conc: 49.71 ug/ml



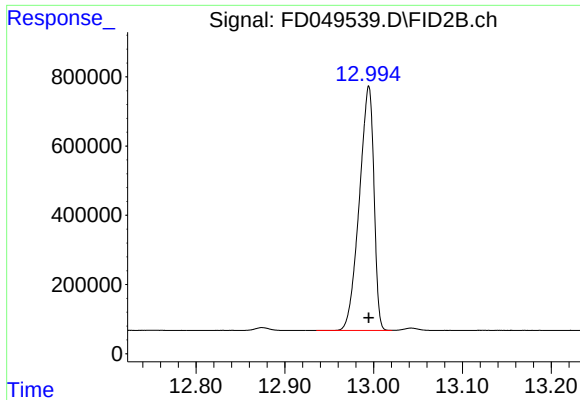
#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: 0.000 min
Response: 8100297
Conc: 49.71 ug/ml



#12 Fluoranthene (C21.85)

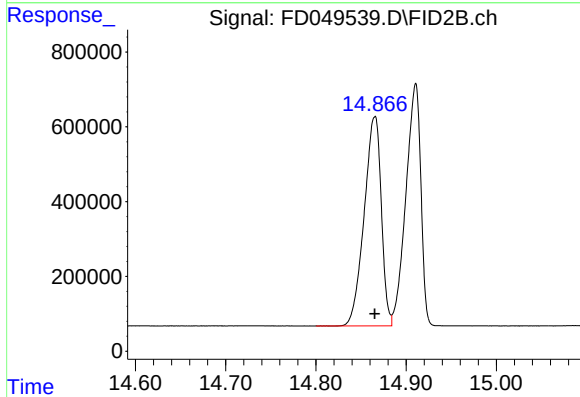
R.T.: 12.696 min
Delta R.T.: 0.000 min
Response: 8091221
Conc: 49.75 ug/ml



#13 Pyrene (C20.8)

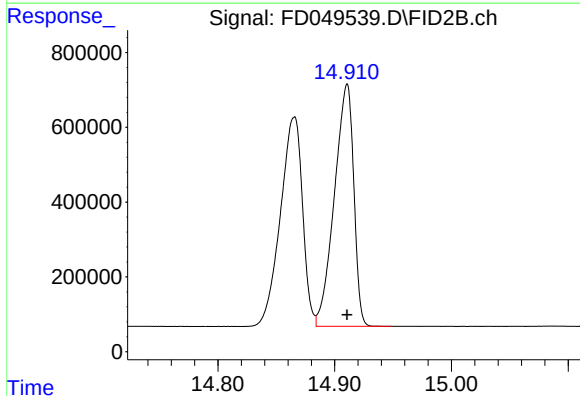
R.T.: 12.995 min
Delta R.T.: 0.000 min
Response: 8076994
Conc: 49.75 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



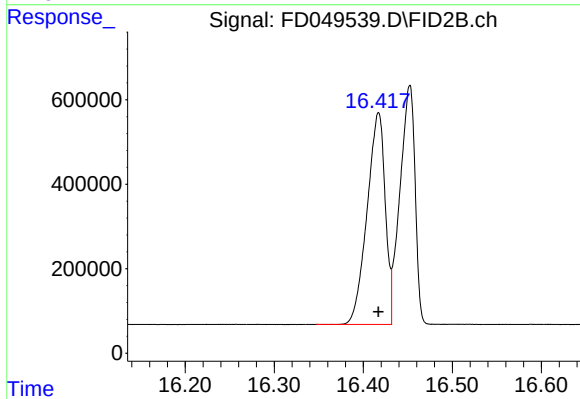
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.865 min
Delta R.T.: 0.000 min
Response: 7383814
Conc: 49.84 ug/ml



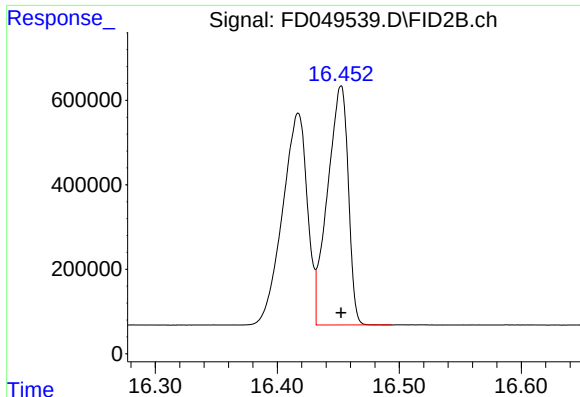
#15 Chrysene (C27.41)

R.T.: 14.911 min
Delta R.T.: 0.000 min
Response: 7457276
Conc: 49.80 ug/ml



#16 benzo[b]fluoranthene (C30.41)

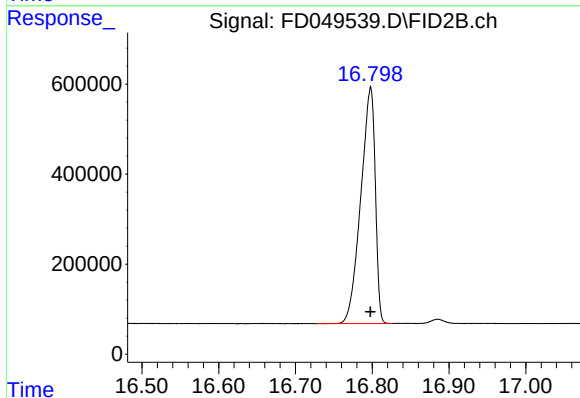
R.T.: 16.417 min
Delta R.T.: 0.000 min
Response: 7096871
Conc: 49.81 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

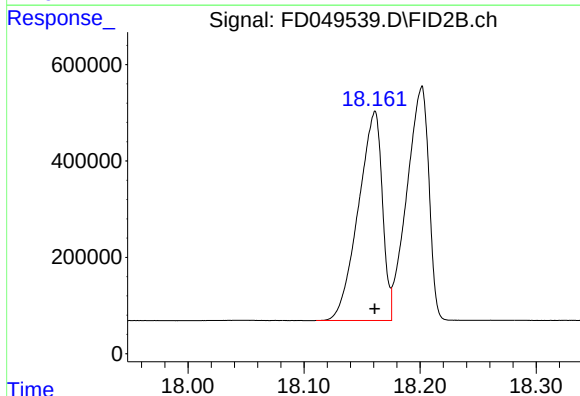
R.T.: 16.452 min
Delta R.T.: 0.000 min
Response: 6672332
Conc: 49.92 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



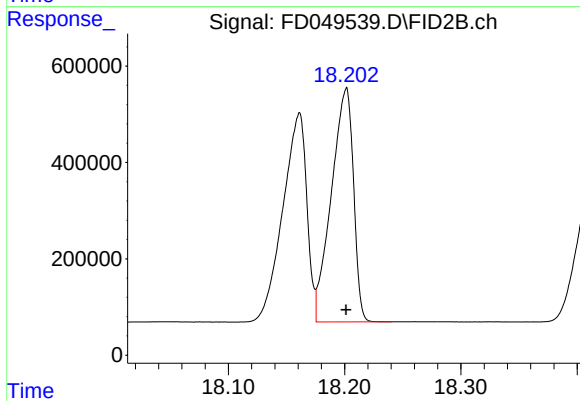
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.798 min
Delta R.T.: 0.000 min
Response: 6890720
Conc: 49.90 ug/ml



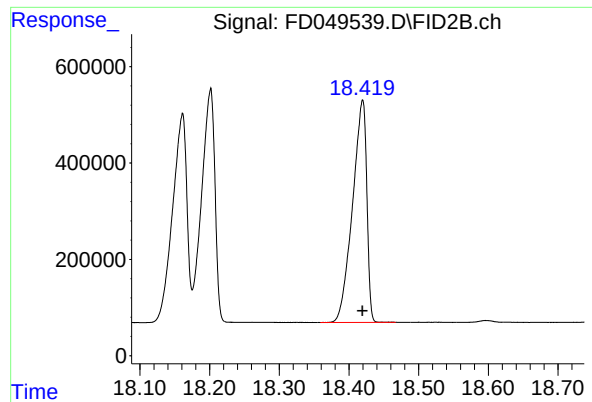
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.161 min
Delta R.T.: 0.000 min
Response: 6233249
Conc: 49.67 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.201 min
Delta R.T.: 0.000 min
Response: 6408313
Conc: 50.10 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.420 min
Delta R.T.: 0.000 min
Response: 6547645
Conc: 49.82 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049539.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 09:50
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 071525.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	4.530	4.474	4.565	BV	747377	6376298	78.30%	4.215%
2	6.073	6.019	6.105	BV	816102	7294017	89.57%	4.822%
3	7.127	7.062	7.160	BB	805226	7592042	93.23%	5.019%
4	7.736	7.680	7.774	BB	684805	6542337	80.34%	4.325%
5	8.406	8.349	8.457	BB	806469	7904367	97.06%	5.225%
6	8.602	8.544	8.650	BB	481482	4647189	57.07%	3.072%
7	8.702	8.657	8.745	BB	810273	7895815	96.96%	5.219%
8	9.483	9.420	9.532	BB	785375	7966758	97.83%	5.266%
9	10.881	10.849	10.917	VV	771300	8143591	100.00%	5.383%
10	10.958	10.917	11.004	VB	743155	7957582	97.72%	5.260%
11	11.646	11.585	11.690	BB	750720	8100297	99.47%	5.355%
12	12.696	12.650	12.734	BB	706274	8091221	99.36%	5.349%
13	12.995	12.935	13.020	BV	707490	8076994	99.18%	5.339%
14	14.865	14.800	14.884	BV	559414	7383814	90.67%	4.881%
15	14.911	14.884	14.949	VB	647797	7457276	91.57%	4.929%
16	16.417	16.347	16.432	BV	501708	7096871	87.15%	4.691%
17	16.452	16.432	16.494	VB	566097	6672332	81.93%	4.411%
18	16.798	16.727	16.825	BV	526594	6890720	84.62%	4.555%
19	18.161	18.110	18.175	BV	432420	6233249	76.54%	4.120%
20	18.201	18.175	18.240	VB	488804	6408313	78.69%	4.236%
21	18.420	18.359	18.467	BB	463003	6547645	80.40%	4.328%
Sum of corrected areas:						151278727		

Aromatic EPH 071525.M Tue Jul 15 12:43:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049540.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 10:35
 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: Jul 15 11:09:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:09:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	2657495	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.598	1873831	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.642	3301622	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	2647645	20.000 ug/ml
2) T Naphthalene (C11.7)	6.071	2982013	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.124	3092952	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.402	3218800	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.698	3201933	20.000 ug/ml
8) T Flouorene (C16.55)	9.478	3223959	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.876	3320753	20.000 ug/ml
10) T Anthracene (C19.43)	10.951	3230701	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.689	3295137	20.000 ug/ml
13) T Pyrene (C20.8)	12.987	3288172	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.857	2987017	20.000 ug/ml
15) T Chrysene (C27.41)	14.899	3025343	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.407	2879515	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.439	2717547	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.785	2798827	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	2513712	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.189	2655955	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.404	2685089	20.000 ug/ml

(f)=RT Delta > 1/2 Window

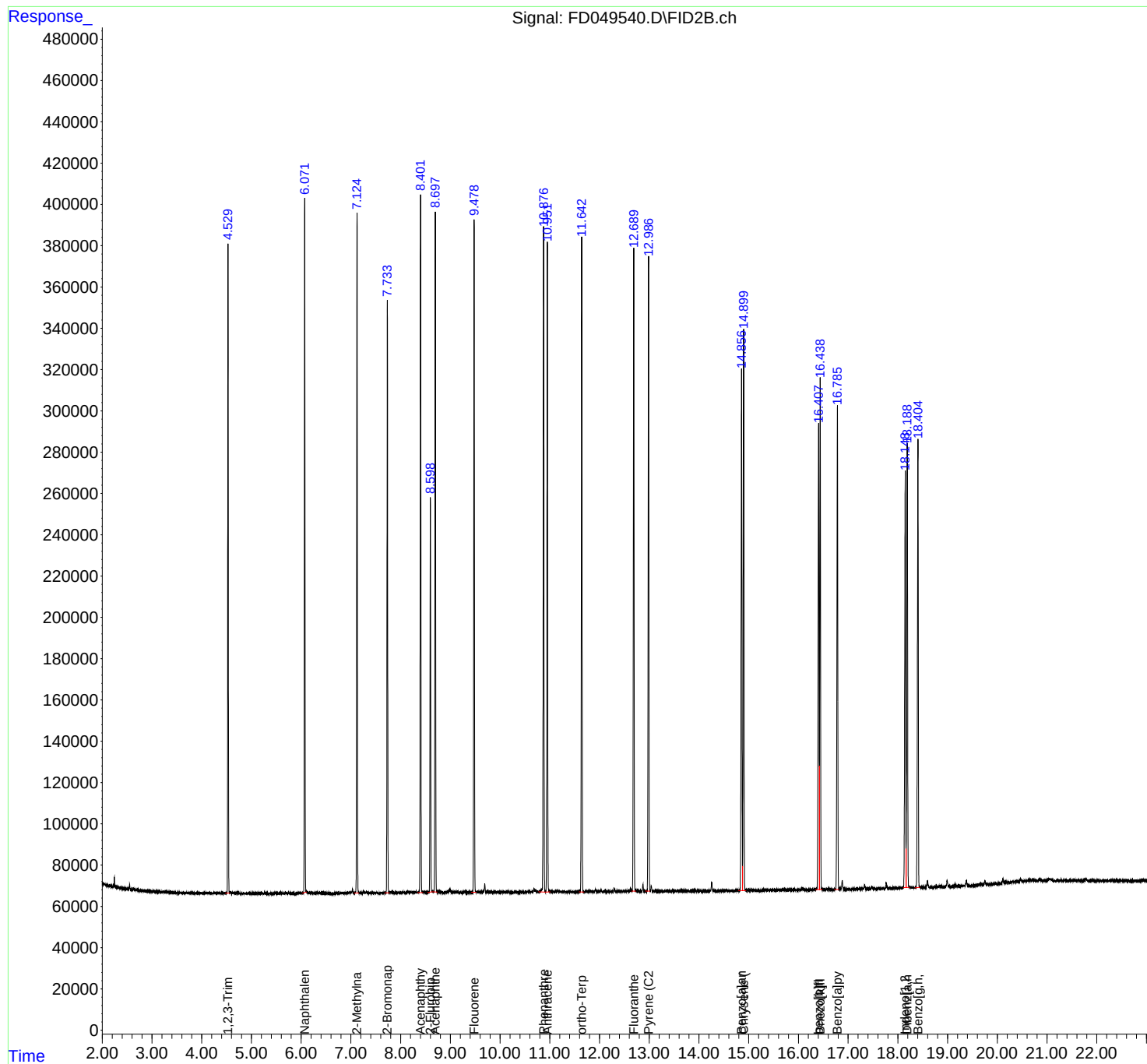
(m)=manual int.

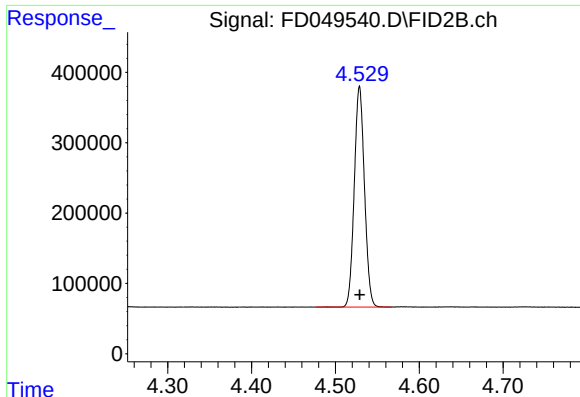
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049540.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 10:35
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 15 11:09:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:09:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

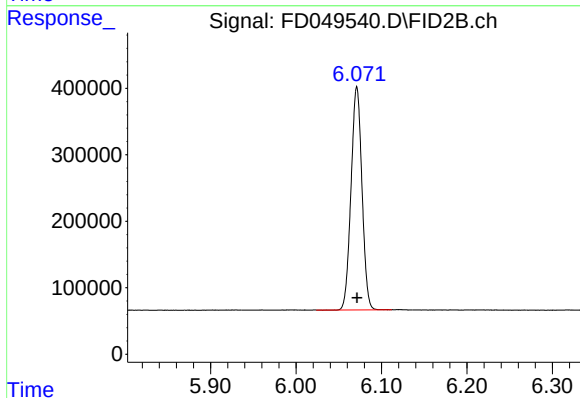




#1 1,2,3-Trimethylbenzene (C10.1)

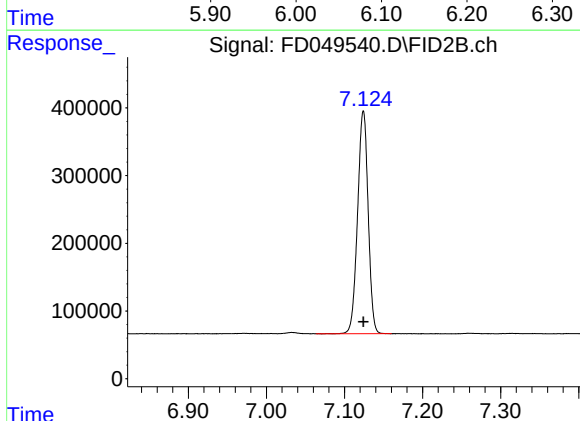
R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 2647645
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



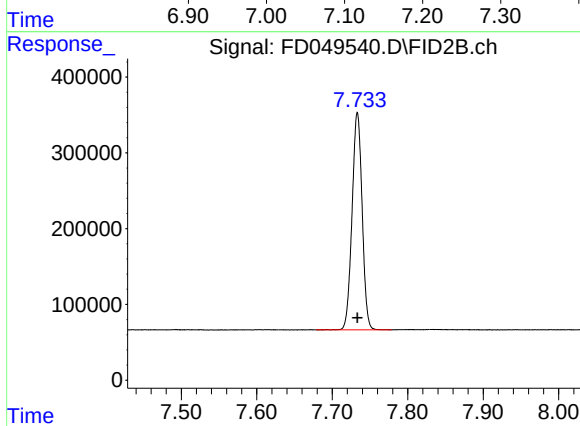
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 2982013
Conc: 20.00 ug/ml



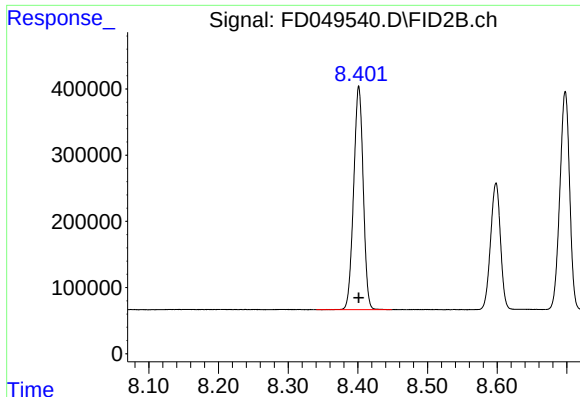
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 3092952
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

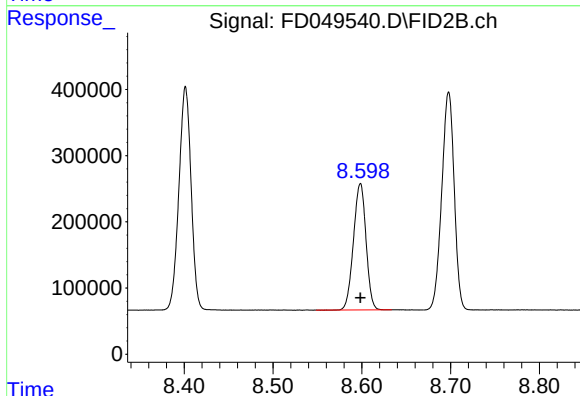
R.T.: 7.733 min
Delta R.T.: 0.000 min
Response: 2657495
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

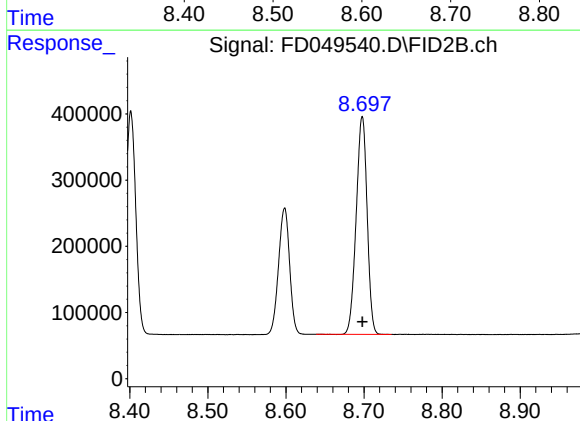
R.T.: 8.402 min
Delta R.T.: 0.000 min
Response: 3218800
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



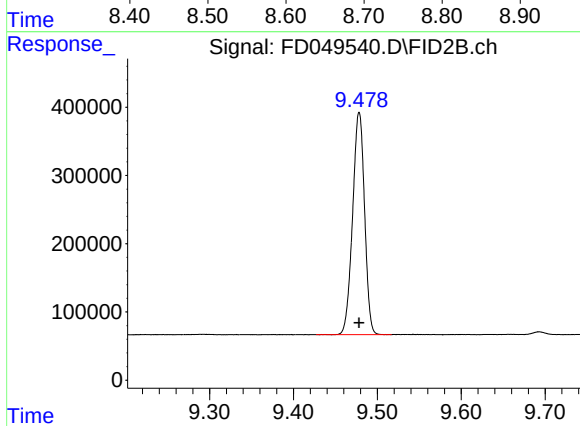
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: 0.000 min
Response: 1873831
Conc: 20.00 ug/ml



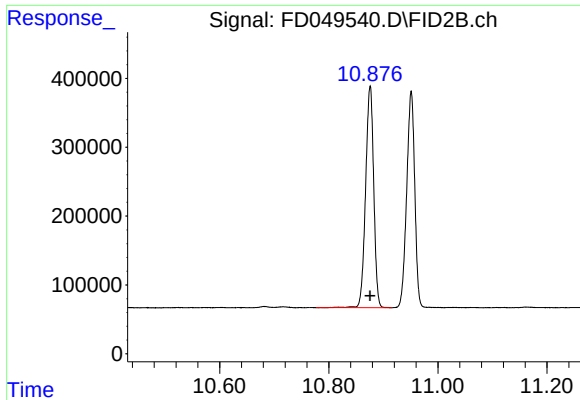
#7 Acenaphthene (C15.5)

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 3201933
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

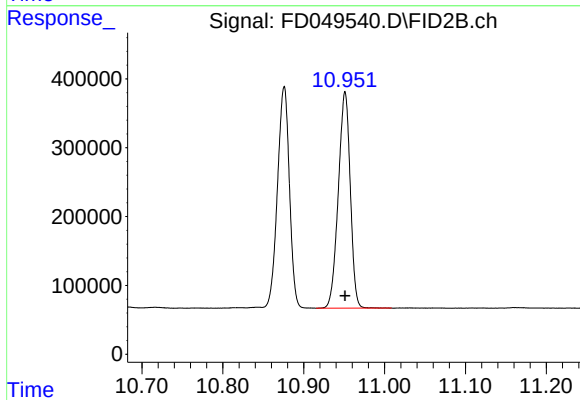
R.T.: 9.478 min
Delta R.T.: 0.000 min
Response: 3223959
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

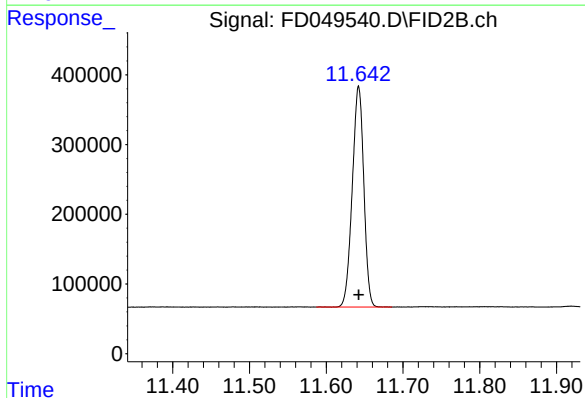
R.T.: 10.876 min
Delta R.T.: 0.000 min
Response: 3320753
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



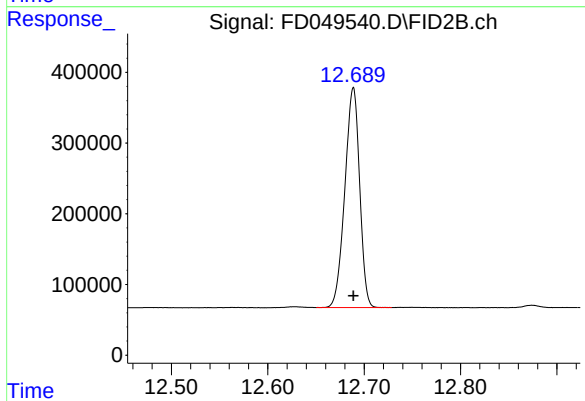
#10 Anthracene (C19.43)

R.T.: 10.951 min
Delta R.T.: 0.000 min
Response: 3230701
Conc: 20.00 ug/ml



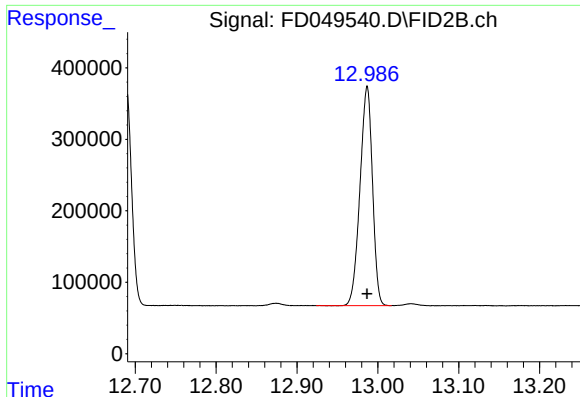
#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.000 min
Response: 3301622
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

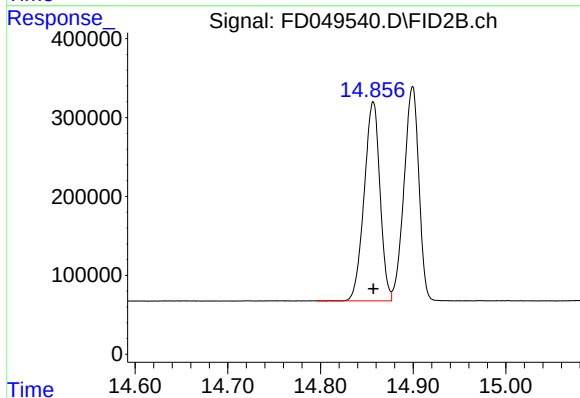
R.T.: 12.689 min
Delta R.T.: 0.000 min
Response: 3295137
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

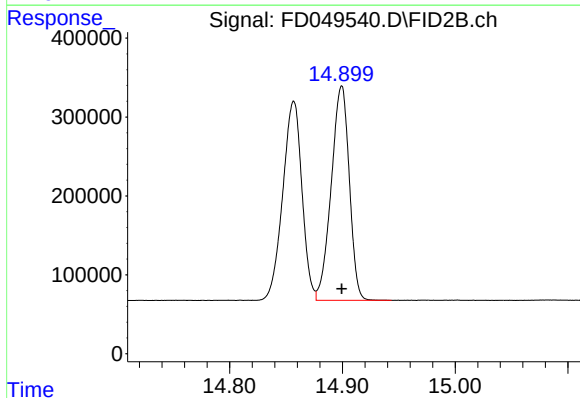
R.T.: 12.987 min
Delta R.T.: 0.000 min
Response: 3288172
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



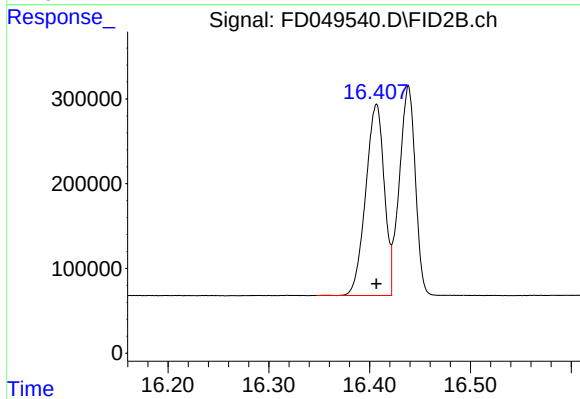
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.857 min
Delta R.T.: 0.000 min
Response: 2987017
Conc: 20.00 ug/ml



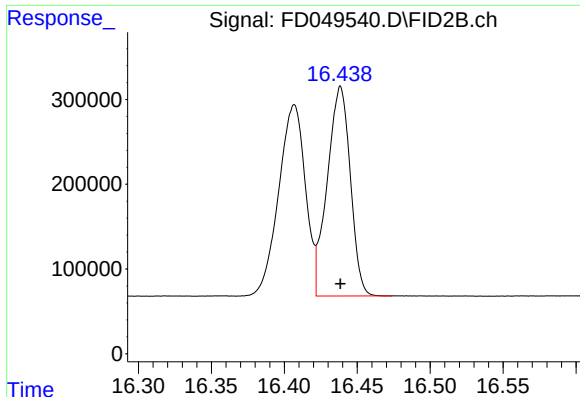
#15 Chrysene (C27.41)

R.T.: 14.899 min
Delta R.T.: 0.000 min
Response: 3025343
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

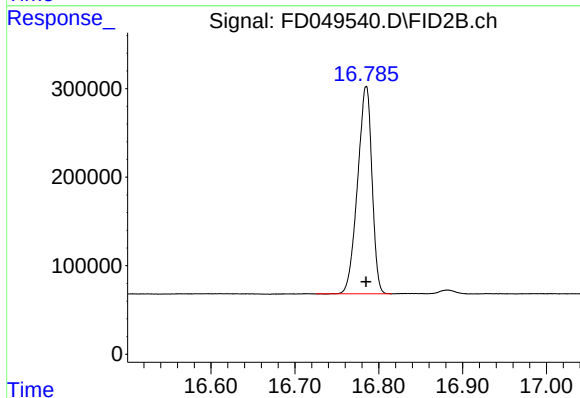
R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2879515
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

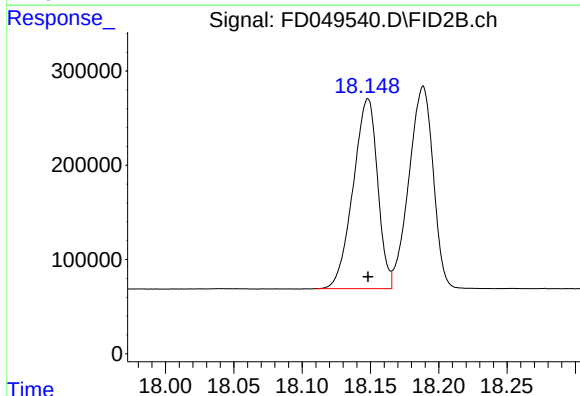
R.T.: 16.439 min
Delta R.T.: 0.000 min
Response: 2717547
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



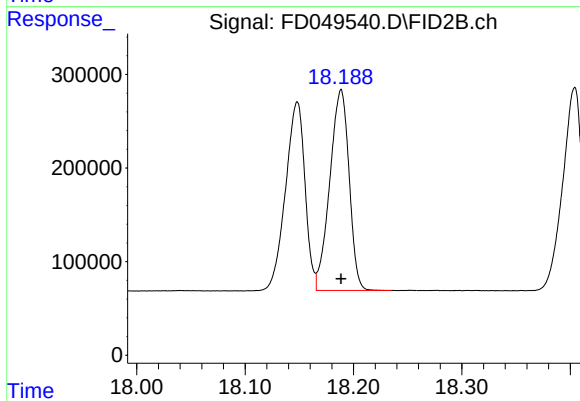
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.785 min
Delta R.T.: 0.000 min
Response: 2798827
Conc: 20.00 ug/ml



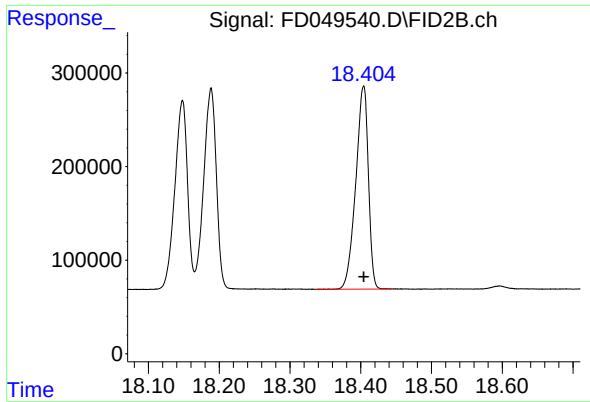
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.148 min
Delta R.T.: 0.000 min
Response: 2513712
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.189 min
Delta R.T.: 0.000 min
Response: 2655955
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.404 min
Delta R.T.: 0.000 min
Response: 2685089
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049540.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 10:35
 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 071525.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	4.529	4.477	4.567	BB	313756	2647645	79.73%	4.298%
2	6.071	6.024	6.112	BB	335445	2982013	89.80%	4.841%
3	7.124	7.064	7.160	BB	329083	3092952	93.14%	5.021%
4	7.733	7.679	7.779	BB	286821	2657495	80.03%	4.314%
5	8.402	8.340	8.449	BB	337097	3218800	96.93%	5.225%
6	8.598	8.549	8.634	BB	191318	1873831	56.43%	3.042%
7	8.698	8.639	8.735	BB	329804	3201933	96.42%	5.198%
8	9.478	9.427	9.517	BB	325979	3223959	97.09%	5.234%
9	10.876	10.777	10.915	BV	321924	3320753	100.00%	5.391%
10	10.951	10.915	11.009	PB	314347	3230701	97.29%	5.245%
11	11.642	11.587	11.685	BB	316909	3301622	99.42%	5.360%
12	12.689	12.650	12.729	BB	311022	3295137	99.23%	5.349%
13	12.987	12.924	13.017	BV	307230	3288172	99.02%	5.338%
14	14.857	14.795	14.877	BV	252710	2987017	89.95%	4.849%
15	14.899	14.877	14.944	VB	271687	3025343	91.10%	4.911%
16	16.407	16.347	16.422	BV	226065	2879515	86.71%	4.675%
17	16.439	16.422	16.474	VB	247924	2717547	81.84%	4.412%
18	16.785	16.725	16.815	BB	234368	2798827	84.28%	4.544%
19	18.148	18.110	18.166	BV	201915	2513712	75.70%	4.081%
20	18.189	18.166	18.235	VB	215022	2655955	79.98%	4.312%
21	18.404	18.337	18.444	BB	216768	2685089	80.86%	4.359%
Sum of corrected areas:							61598017	

Aromatic EPH 071525.M Tue Jul 15 12:43:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049541.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 11:20
 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: Jul 15 11:46:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:46:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	1331110	10.085 ug/ml
Spiked Amount 50.000		Recovery =	20.17%
6) S 2-Fluorobiphenyl (SURR)	8.597	944217	10.089 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.18%
11) S ortho-Terphenyl (SURR)	11.639	1696094	10.303 ug/ml
Spiked Amount 50.000		Recovery =	20.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	1313376	10.110 ug/ml
2) T Naphthalene (C11.7)	6.071	1483595	10.052 ug/ml
3) T 2-Methylnaphthalene (...)	7.124	1540732	10.052 ug/ml
5) T Acenaphthylene (C15.06)	8.400	1623051	10.152 ug/ml
7) T Acenaphthene (C15.5)	8.696	1619398	10.153 ug/ml
8) T Flouorene (C16.55)	9.476	1636908	10.174 ug/ml
9) T Phenanthrene (C19.36)	10.873	1685110	10.207 ug/ml
10) T Anthracene (C19.43)	10.947	1639412	10.179 ug/ml
12) T Fluoranthene (C21.85)	12.685	1674231	10.218 ug/ml
13) T Pyrene (C20.8)	12.982	1669755	10.212 ug/ml
14) T Benzo[a]anthracene (C...	14.853	1490031	10.043 ug/ml
15) T Chrysene (C27.41)	14.895	1512963	10.077 ug/ml
16) T benzo[b]fluoranthene ...	16.403	1442916	10.096 ug/ml
17) T Bnezo[k]fluoranthene ...	16.435	1368187	10.176 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.781	1407620	10.145 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.144	1275059	10.120 ug/ml
20) T Dibenz[a,h]anthracene...	18.185	1372351	10.536 ug/ml
21) T Benzo[g,h,i]perylene ...	18.399	1359173	10.254 ug/ml

(f)=RT Delta > 1/2 Window

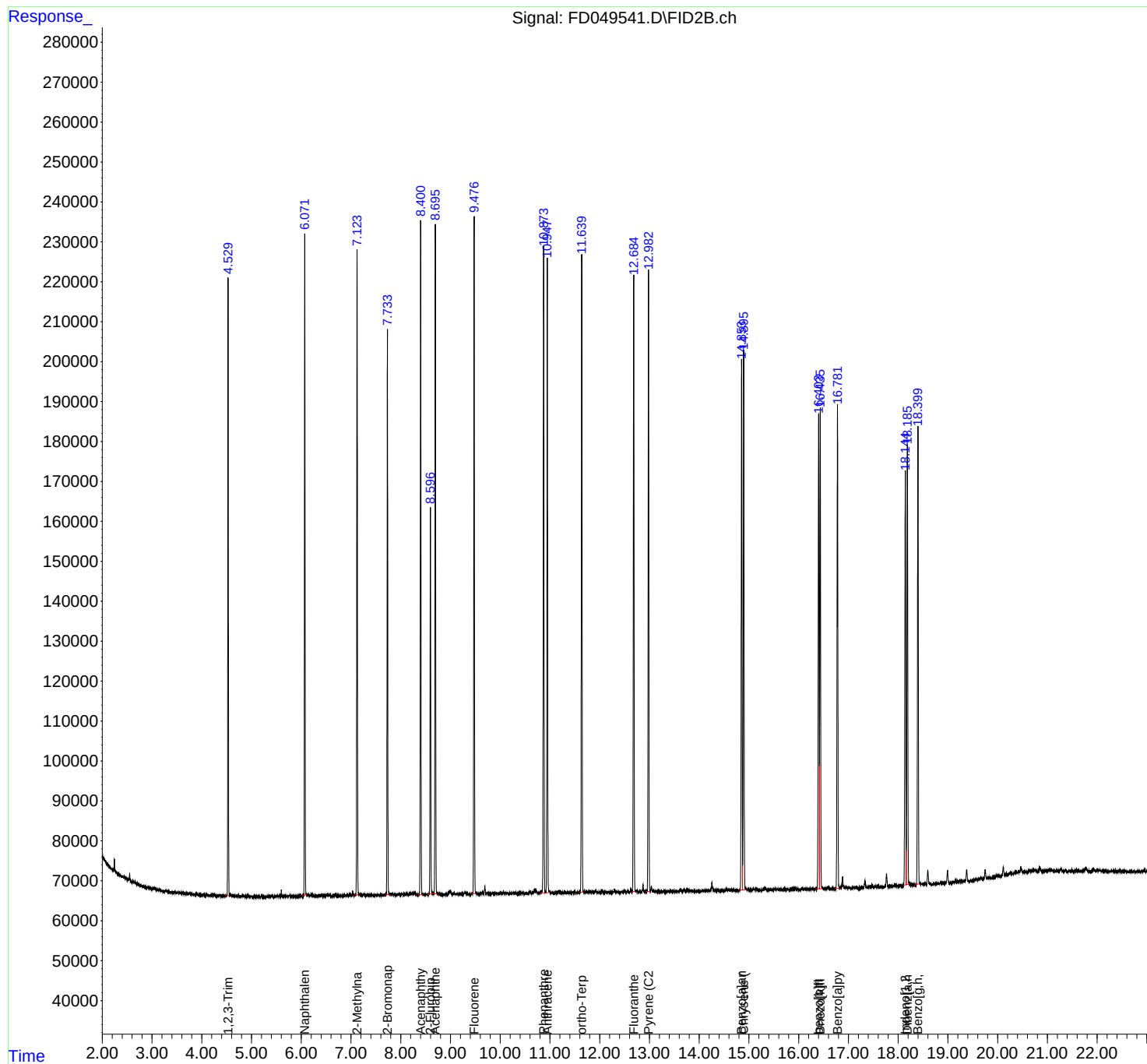
(m)=manual int.

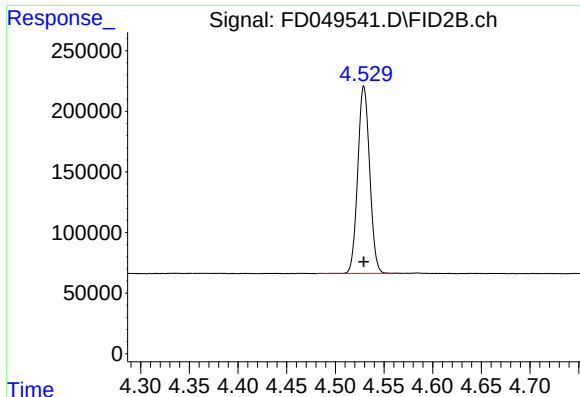
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049541.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 11:20
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 15 11:46:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:46:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

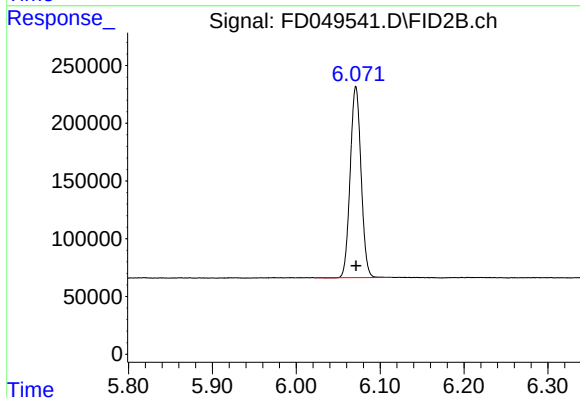




#1 1,2,3-Trimethylbenzene (C10.1)

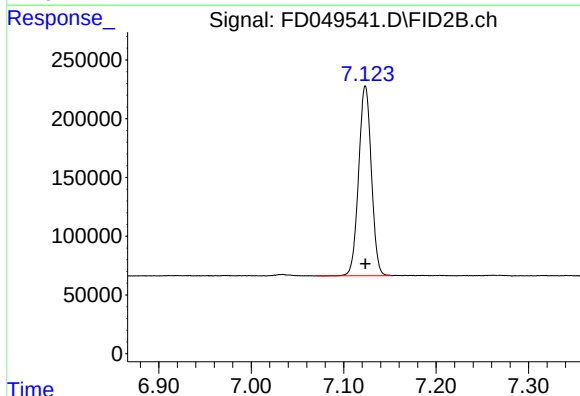
R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 1313376
Conc: 10.11 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



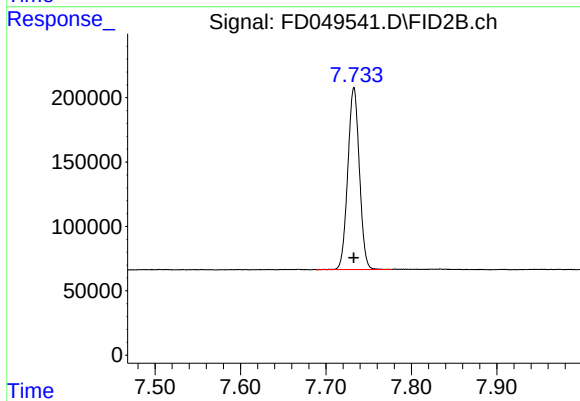
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 1483595
Conc: 10.05 ug/ml



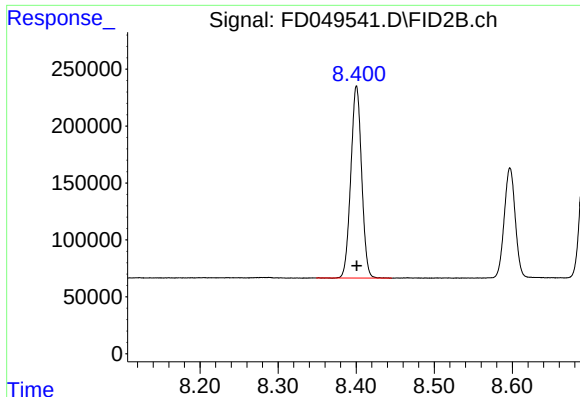
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1540732
Conc: 10.05 ug/ml



#4 2-Bromonaphthalene (SURR)

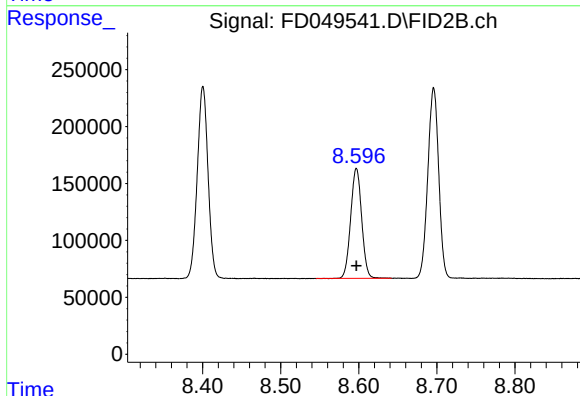
R.T.: 7.733 min
Delta R.T.: 0.000 min
Response: 1331110
Conc: 10.08 ug/ml



#5 Acenaphthylene (C15.06)

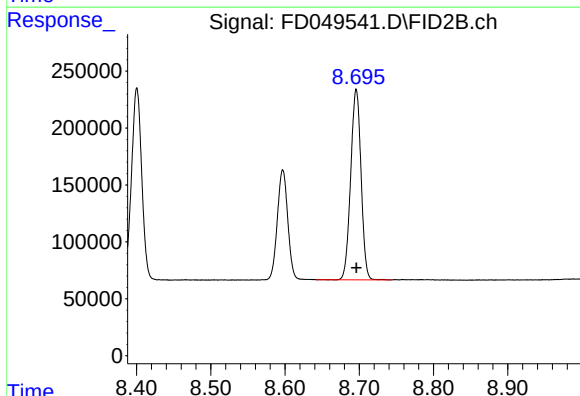
R.T.: 8.400 min
Delta R.T.: 0.000 min
Response: 1623051
Conc: 10.15 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



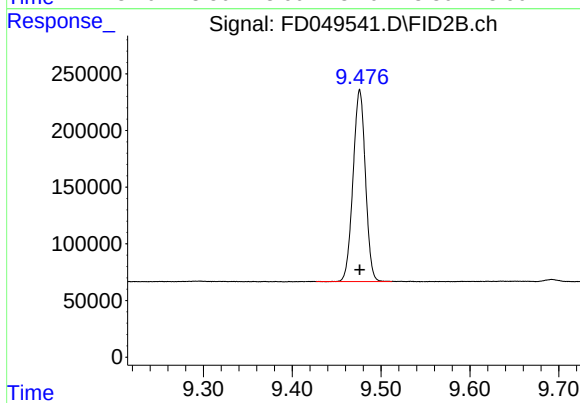
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.597 min
Delta R.T.: 0.000 min
Response: 944217
Conc: 10.09 ug/ml



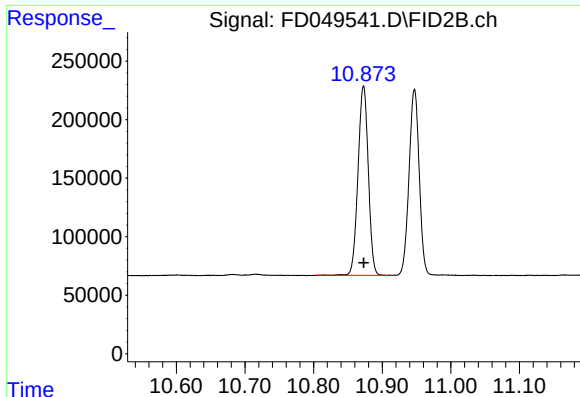
#7 Acenaphthene (C15.5)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 1619398
Conc: 10.15 ug/ml



#8 Fluorene (C16.55)

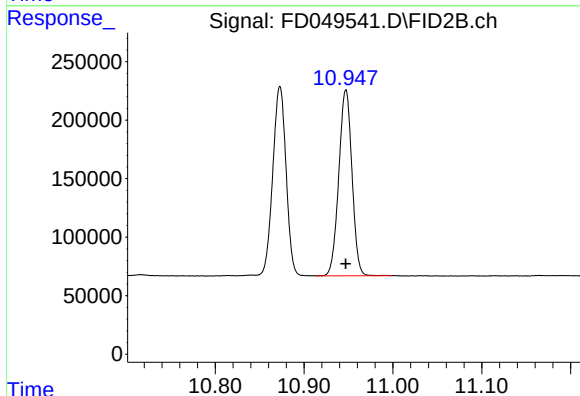
R.T.: 9.476 min
Delta R.T.: 0.000 min
Response: 1636908
Conc: 10.17 ug/ml



#9 Phenanthrene (C19.36)

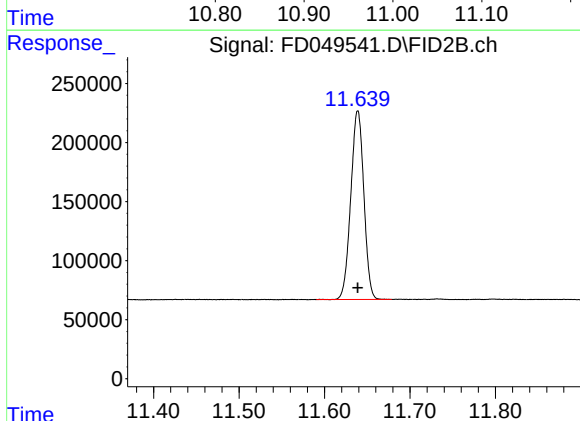
R.T.: 10.873 min
Delta R.T.: 0.000 min
Response: 1685110
Conc: 10.21 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



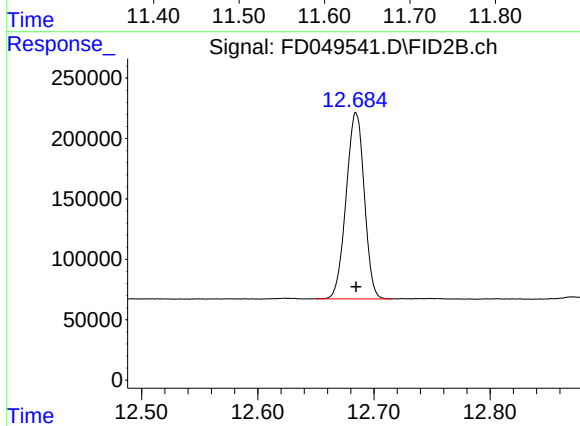
#10 Anthracene (C19.43)

R.T.: 10.947 min
Delta R.T.: 0.000 min
Response: 1639412
Conc: 10.18 ug/ml



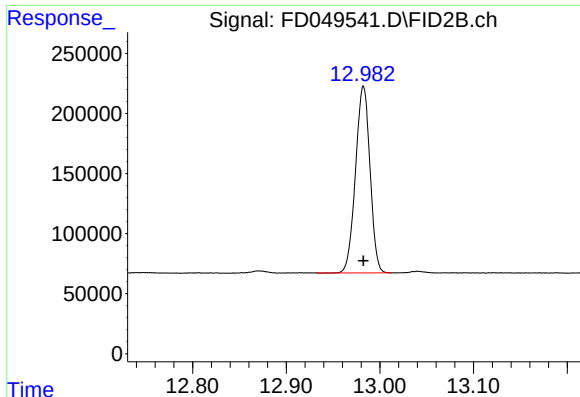
#11 ortho-Terphenyl (SURR)

R.T.: 11.639 min
Delta R.T.: 0.000 min
Response: 1696094
Conc: 10.30 ug/ml



#12 Fluoranthene (C21.85)

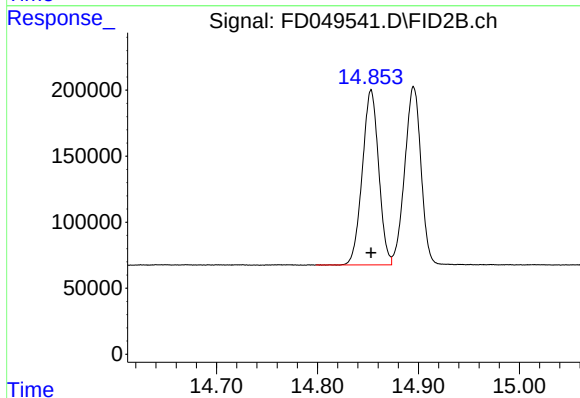
R.T.: 12.685 min
Delta R.T.: 0.000 min
Response: 1674231
Conc: 10.22 ug/ml



#13 Pyrene (C20.8)

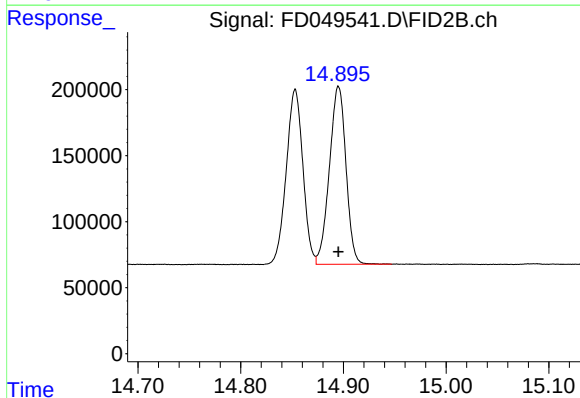
R.T.: 12.982 min
Delta R.T.: 0.000 min
Response: 1669755
Conc: 10.21 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



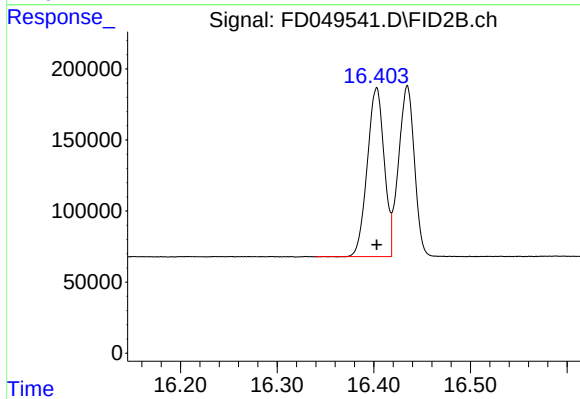
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.853 min
Delta R.T.: 0.000 min
Response: 1490031
Conc: 10.04 ug/ml



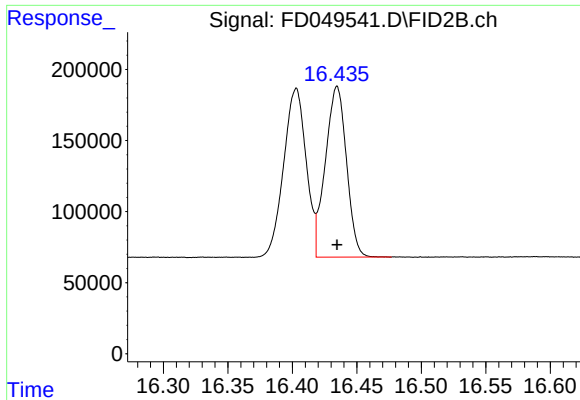
#15 Chrysene (C27.41)

R.T.: 14.895 min
Delta R.T.: 0.000 min
Response: 1512963
Conc: 10.08 ug/ml



#16 benzo[b]fluoranthene (C30.41)

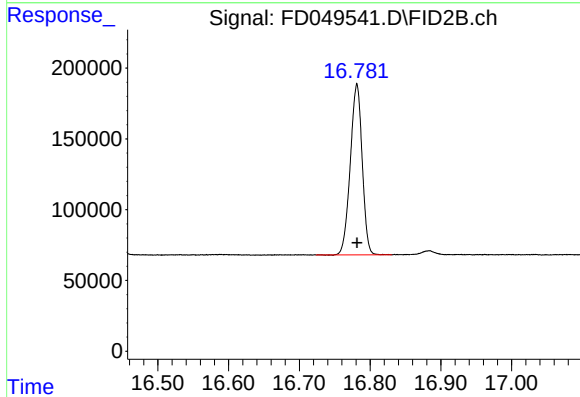
R.T.: 16.403 min
Delta R.T.: 0.000 min
Response: 1442916
Conc: 10.10 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

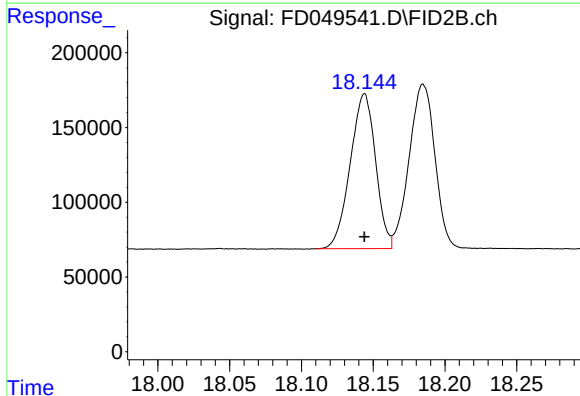
R.T.: 16.435 min
Delta R.T.: 0.000 min
Response: 1368187
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



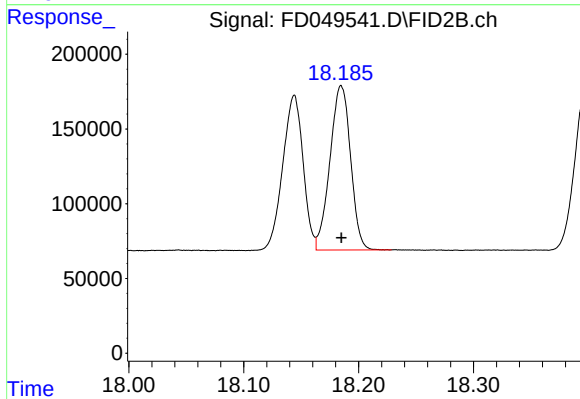
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.781 min
Delta R.T.: 0.000 min
Response: 1407620
Conc: 10.15 ug/ml



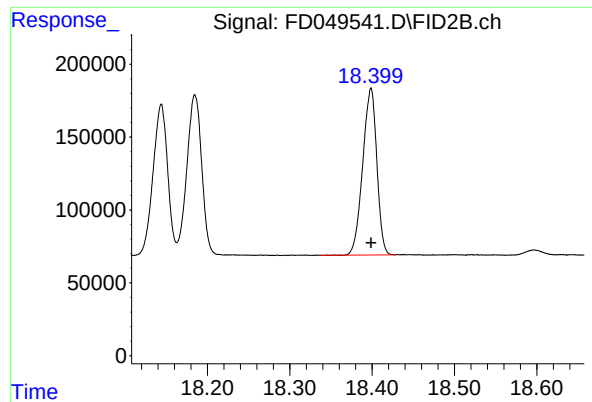
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.144 min
Delta R.T.: 0.000 min
Response: 1275059
Conc: 10.12 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.185 min
Delta R.T.: 0.000 min
Response: 1372351
Conc: 10.54 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.399 min
Delta R.T.: 0.000 min
Response: 1359173
Conc: 10.25 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049541.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 11:20
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 071525.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	4.529	4.480	4.558	BB	154390	1313376	77.44%	4.225%
2	6.071	6.024	6.114	BB	165310	1483595	87.47%	4.773%
3	7.124	7.070	7.152	BB	161586	1540732	90.84%	4.956%
4	7.733	7.689	7.777	BB	141822	1331110	78.48%	4.282%
5	8.400	8.349	8.445	BB	168861	1623051	95.69%	5.221%
6	8.597	8.545	8.642	BB	96671	944217	55.67%	3.038%
7	8.696	8.642	8.744	BB	167402	1619398	95.48%	5.210%
8	9.476	9.427	9.512	BB	168882	1636908	96.51%	5.266%
9	10.873	10.804	10.914	BV	162080	1685110	99.35%	5.421%
10	10.947	10.914	10.999	PB	158889	1639412	96.66%	5.274%
11	11.639	11.590	11.679	BB	159897	1696094	100.00%	5.456%
12	12.685	12.650	12.715	BB	153340	1674231	98.71%	5.386%
13	12.982	12.932	13.013	BV	155548	1669755	98.45%	5.372%
14	14.853	14.799	14.873	BV	132697	1490031	87.85%	4.793%
15	14.895	14.873	14.947	VB	134850	1512963	89.20%	4.867%
16	16.403	16.340	16.418	BV	119388	1442916	85.07%	4.642%
17	16.435	16.418	16.477	VB	120320	1368187	80.67%	4.401%
18	16.781	16.724	16.830	BB	120917	1407620	82.99%	4.528%
19	18.144	18.110	18.163	BV	103624	1275059	75.18%	4.102%
20	18.185	18.163	18.229	VB	109862	1372351	80.91%	4.415%
21	18.399	18.337	18.429	BB	114710	1359173	80.14%	4.372%
Sum of corrected areas:						31085290		

Aromatic EPH 071525.M Tue Jul 15 12:42:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049542.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 12:05
 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: Jul 15 12:31:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:31:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.731	630984	4.823 ug/ml
Spiked Amount 50.000		Recovery =	9.65%
6) S 2-Fluorobiphenyl (SURR)	8.596	444887	4.801 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.60%
11) S ortho-Terphenyl (SURR)	11.639	806734	4.920 ug/ml
Spiked Amount 50.000		Recovery =	9.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	631555	4.889 ug/ml
2) T Naphthalene (C11.7)	6.069	707076	4.831 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	731156	4.815 ug/ml
5) T Acenaphthylene (C15.06)	8.399	770713	4.855 ug/ml
7) T Acenaphthene (C15.5)	8.694	768316	4.853 ug/ml
8) T Fluorene (C16.55)	9.475	775858	4.857 ug/ml
9) T Phenanthrene (C19.36)	10.872	793351	4.843 ug/ml
10) T Anthracene (C19.43)	10.946	761259	4.779 ug/ml
12) T Fluoranthene (C21.85)	12.685	786676	4.840 ug/ml
13) T Pyrene (C20.8)	12.982	787103	4.850 ug/ml
14) T Benzo[a]anthracene (C...	14.853	693980	4.739 ug/ml
15) T Chrysene (C27.41)	14.894	717861	4.824 ug/ml
16) T benzo[b]fluoranthene ...	16.401	683719	4.825 ug/ml
17) T Bnezo[k]fluoranthene ...	16.433	653067	4.885 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.779	667040	4.845 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.142	611265	4.880 ug/ml
20) T Dibenz[a,h]anthracene...	18.184	688571	5.227 ug/ml
21) T Benzo[g,h,i]perylene ...	18.395	657514	4.968 ug/ml

(f)=RT Delta > 1/2 Window

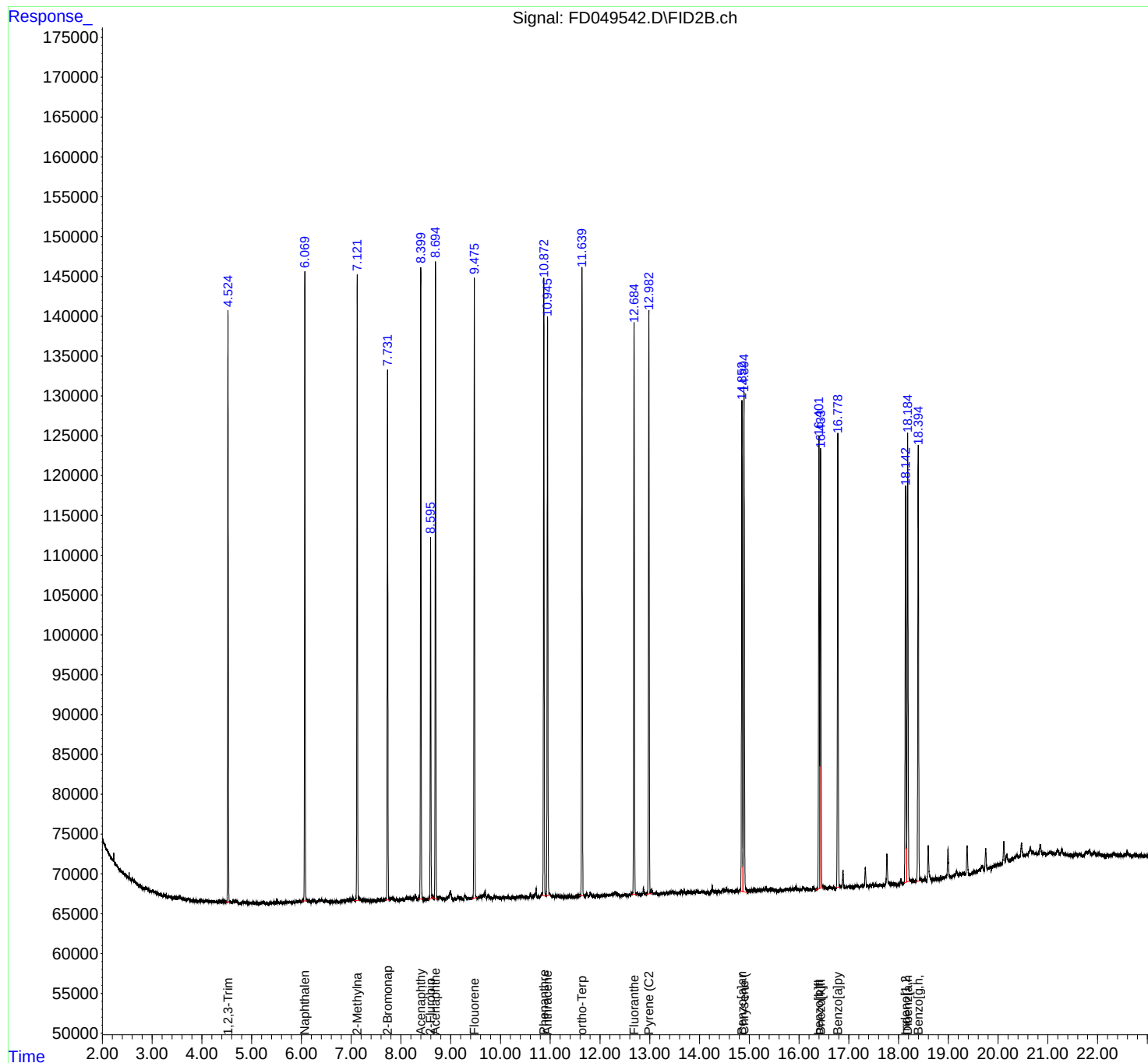
(m)=manual int.

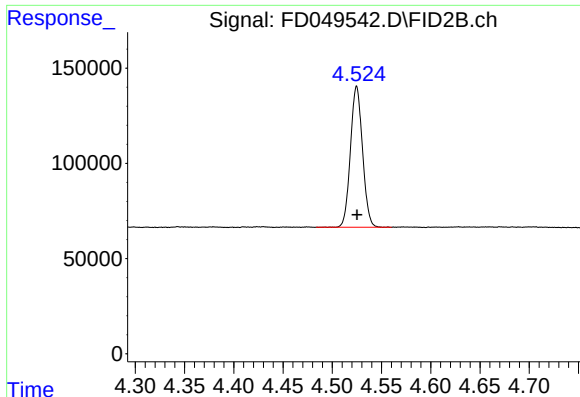
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049542.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 12:05
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 15 12:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:31:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

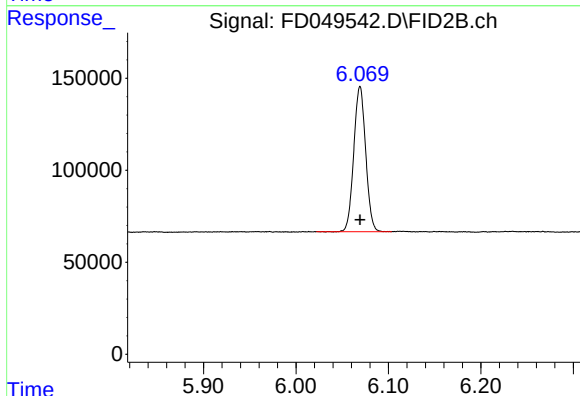




#1 1,2,3-Trimethylbenzene (C10.1)

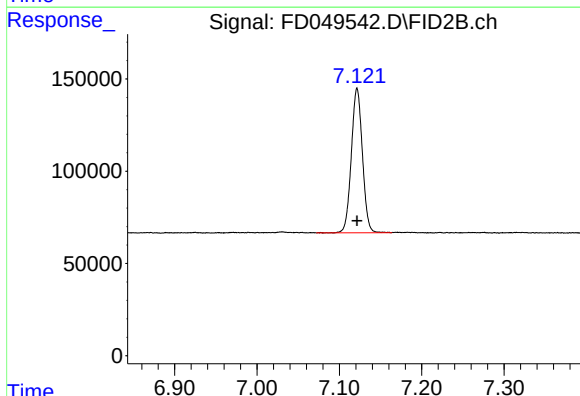
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 631555
Conc: 4.89 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



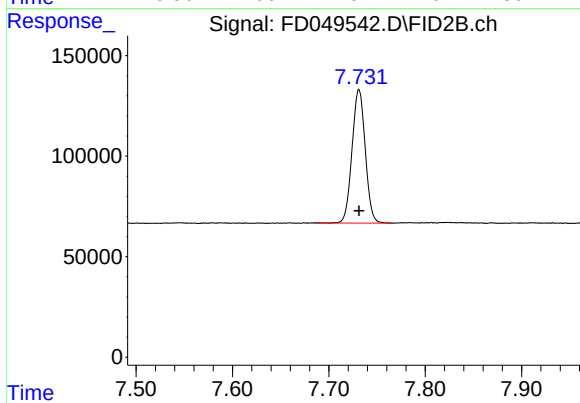
#2 Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 707076
Conc: 4.83 ug/ml



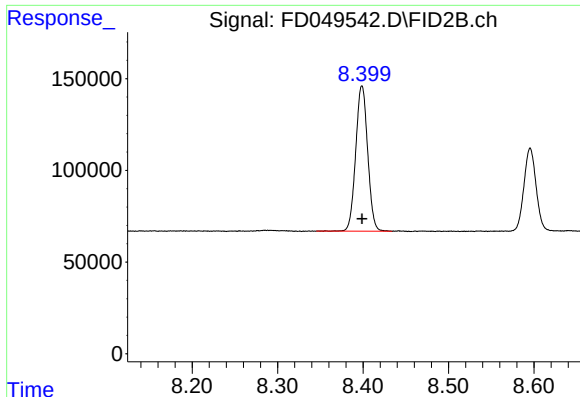
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.122 min
Delta R.T.: 0.000 min
Response: 731156
Conc: 4.81 ug/ml



#4 2-Bromonaphthalene (SURR)

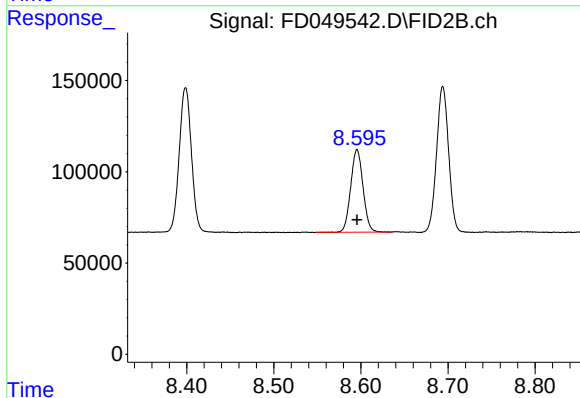
R.T.: 7.731 min
Delta R.T.: 0.000 min
Response: 630984
Conc: 4.82 ug/ml



#5 Acenaphthylene (C15.06)

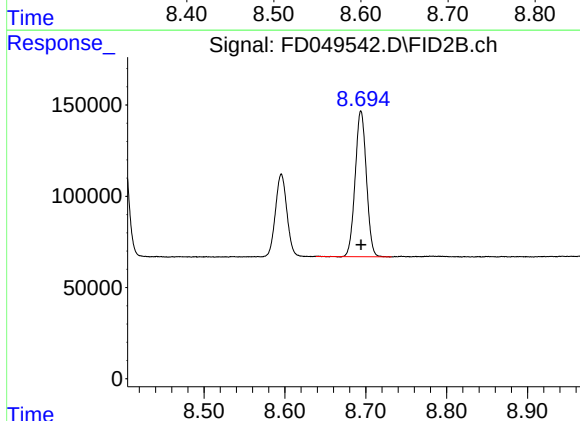
R.T.: 8.399 min
Delta R.T.: 0.000 min
Response: 770713
Conc: 4.86 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



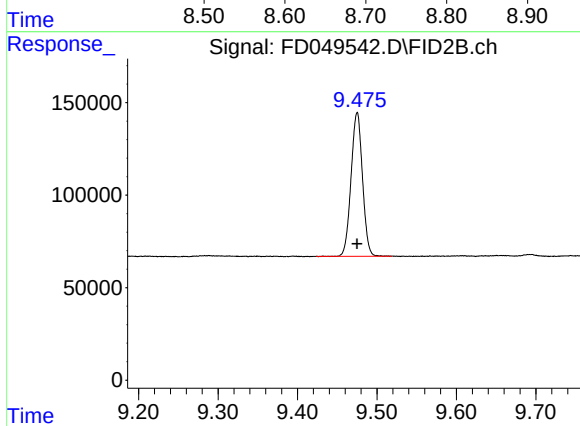
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 444887
Conc: 4.80 ug/ml



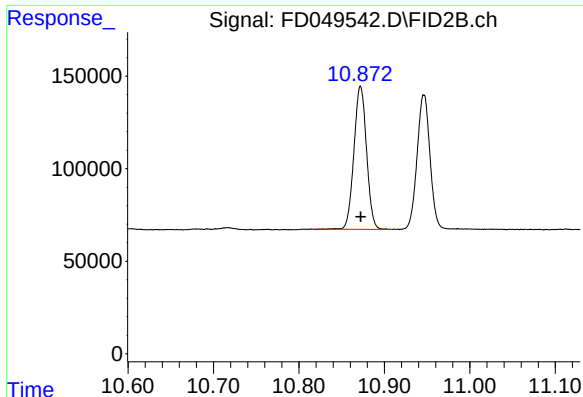
#7 Acenaphthene (C15.5)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 768316
Conc: 4.85 ug/ml



#8 Fluorene (C16.55)

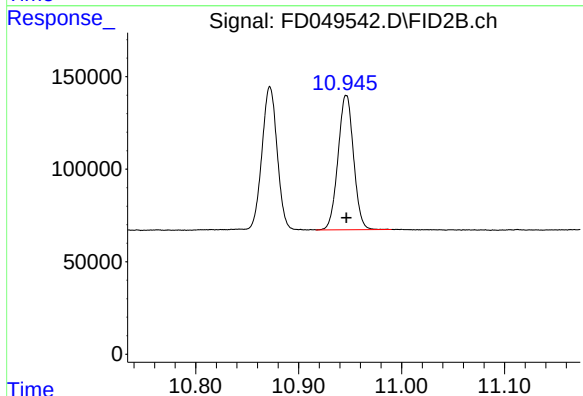
R.T.: 9.475 min
Delta R.T.: 0.000 min
Response: 775858
Conc: 4.86 ug/ml



#9 Phenanthrene (C19.36)

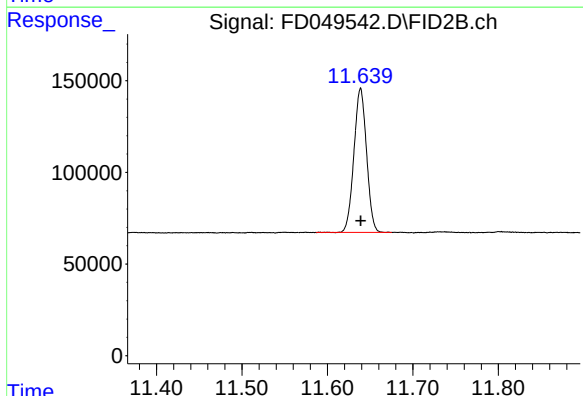
R.T.: 10.872 min
Delta R.T.: 0.000 min
Response: 793351
Conc: 4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



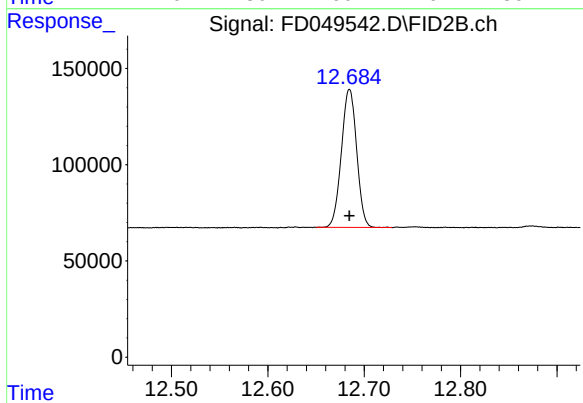
#10 Anthracene (C19.43)

R.T.: 10.946 min
Delta R.T.: 0.000 min
Response: 761259
Conc: 4.78 ug/ml



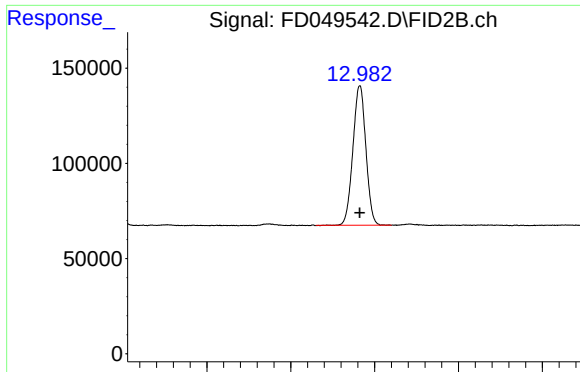
#11 ortho-Terphenyl (SURR)

R.T.: 11.639 min
Delta R.T.: 0.000 min
Response: 806734
Conc: 4.92 ug/ml



#12 Fluoranthene (C21.85)

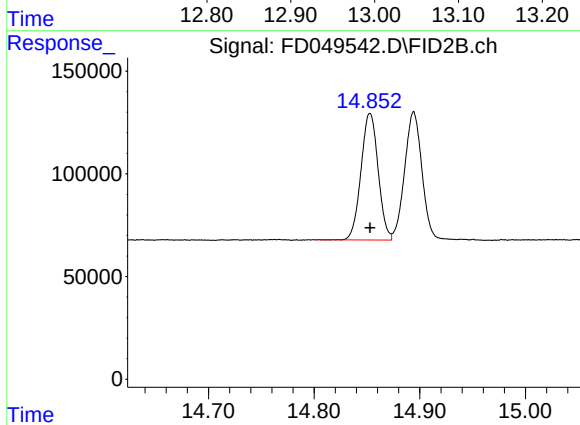
R.T.: 12.685 min
Delta R.T.: 0.000 min
Response: 786676
Conc: 4.84 ug/ml



#13 Pyrene (C20.8)

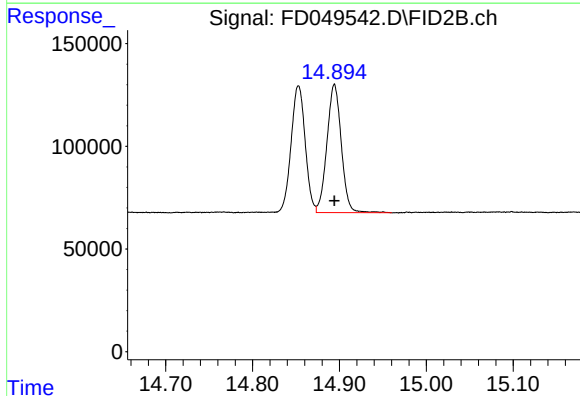
R.T.: 12.982 min
Delta R.T.: 0.000 min
Response: 787103
Conc: 4.85 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



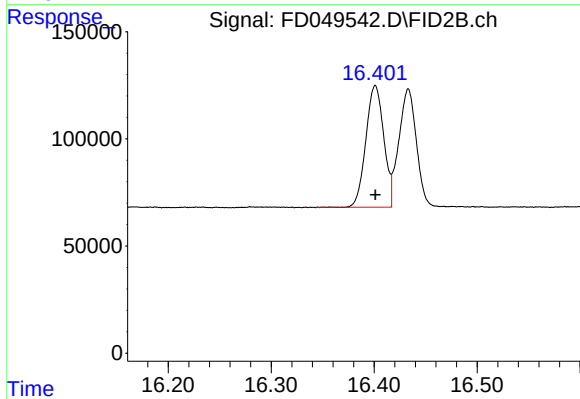
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.853 min
Delta R.T.: 0.000 min
Response: 693980
Conc: 4.74 ug/ml



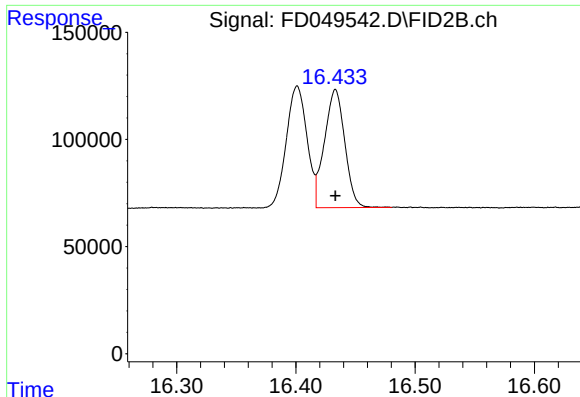
#15 Chrysene (C27.41)

R.T.: 14.894 min
Delta R.T.: 0.000 min
Response: 717861
Conc: 4.82 ug/ml



#16 benzo[b]fluoranthene (C30.41)

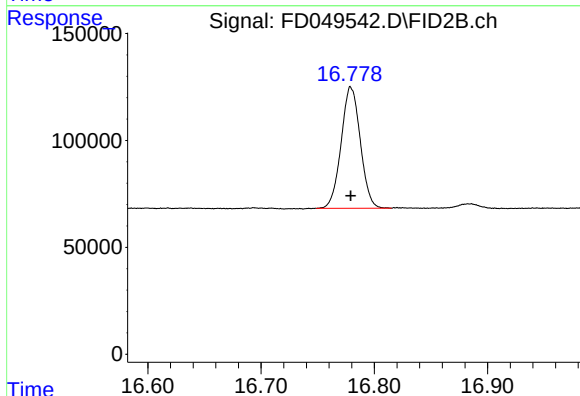
R.T.: 16.401 min
Delta R.T.: 0.000 min
Response: 683719
Conc: 4.83 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

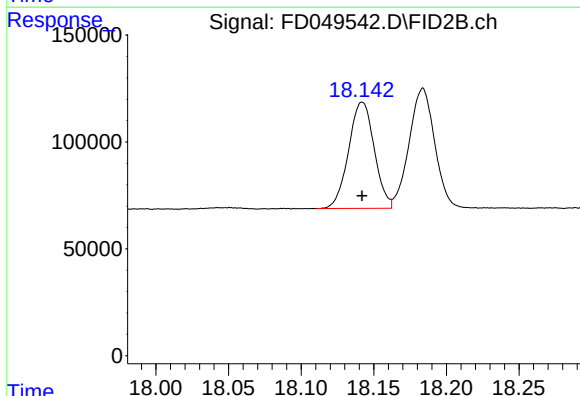
R.T.: 16.433 min
Delta R.T.: 0.000 min
Response: 653067
Conc: 4.89 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



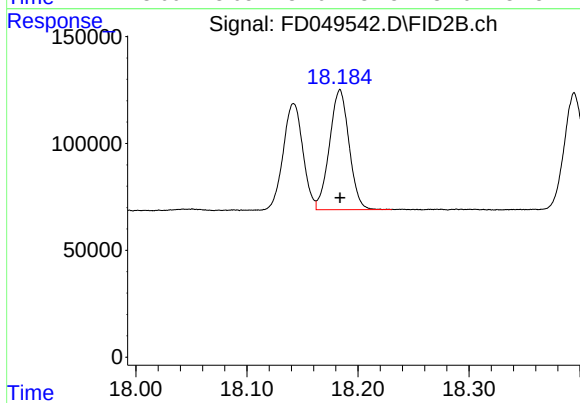
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.779 min
Delta R.T.: 0.000 min
Response: 667040
Conc: 4.84 ug/ml



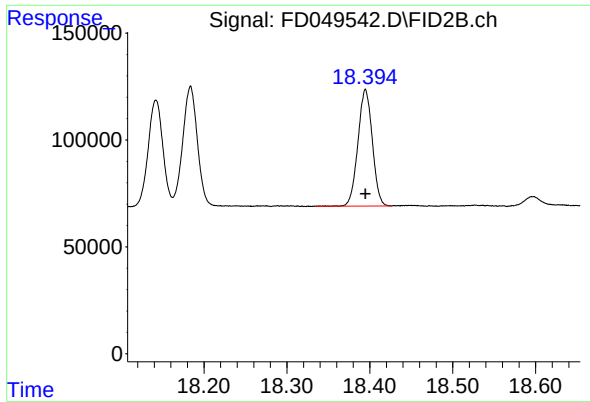
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.142 min
Delta R.T.: 0.000 min
Response: 611265
Conc: 4.88 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.184 min
Delta R.T.: 0.000 min
Response: 688571
Conc: 5.23 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.395 min
Delta R.T.: 0.000 min
Response: 657514
Conc: 4.97 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049542.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 12:05
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 071525.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	4.525	4.484	4.560	BB	74173	631555	78.29%	4.276%
2	6.069	6.022	6.104	BB	78807	707076	87.65%	4.788%
3	7.122	7.072	7.164	BB	78294	731156	90.63%	4.951%
4	7.731	7.687	7.765	BB	66297	630984	78.21%	4.272%
5	8.399	8.345	8.434	BB	79267	770713	95.53%	5.219%
6	8.596	8.549	8.635	BB	45264	444887	55.15%	3.012%
7	8.694	8.639	8.732	BB	79948	768316	95.24%	5.202%
8	9.475	9.424	9.519	BB	77803	775858	96.17%	5.253%
9	10.872	10.820	10.909	BB	77450	793351	98.34%	5.372%
10	10.946	10.917	10.990	BB	72702	761259	94.36%	5.155%
11	11.639	11.587	11.675	BB	78537	806734	100.00%	5.462%
12	12.685	12.650	12.729	BB	71798	786676	97.51%	5.327%
13	12.982	12.930	13.020	BB	73342	787103	97.57%	5.330%
14	14.853	14.802	14.873	BV	61720	693980	86.02%	4.699%
15	14.894	14.873	14.960	VB	62400	717861	88.98%	4.861%
16	16.401	16.344	16.417	BV	56907	683719	84.75%	4.630%
17	16.433	16.417	16.480	VB	55182	653067	80.95%	4.422%
18	16.779	16.749	16.815	BB	56915	667040	82.68%	4.517%
19	18.142	18.110	18.162	BV	49734	611265	75.77%	4.139%
20	18.184	18.162	18.230	VB	56164	688571	85.35%	4.662%
21	18.395	18.335	18.426	BB	54619	657514	81.50%	4.452%
Sum of corrected areas:						14768685		

Aromatic EPH 071525.M Tue Jul 15 12:42:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049543.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 12:52
 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: Jul 15 13:17:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	2782715	21.269 ug/ml
Spiked Amount 50.000		Recovery =	42.54%
6) S 2-Fluorobiphenyl (SURR)	8.598	1966976	21.227 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.45%
11) S ortho-Terphenyl (SURR)	11.642	3466684	21.143 ug/ml
Spiked Amount 50.000		Recovery =	42.29%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.527	2738664	21.199 ug/ml
2) T Naphthalene (C11.7)	6.071	3118656	21.308 ug/ml
3) T 2-Methylnaphthalene (...)	7.123	3230552	21.273 ug/ml
5) T Acenaphthylene (C15.06)	8.402	3372659	21.247 ug/ml
7) T Acenaphthene (C15.5)	8.698	3363808	21.246 ug/ml
8) T Flouorene (C16.55)	9.478	3388760	21.214 ug/ml
9) T Phenanthrene (C19.36)	10.876	3471797	21.195 ug/ml
10) T Anthracene (C19.43)	10.951	3361485	21.103 ug/ml
12) T Fluoranthene (C21.85)	12.690	3446070	21.201 ug/ml
13) T Pyrene (C20.8)	12.988	3439374	21.193 ug/ml
14) T Benzo[a]anthracene (C...	14.858	3117998	21.290 ug/ml
15) T Chrysene (C27.41)	14.900	3158262	21.221 ug/ml
16) T benzo[b]fluoranthene ...	16.408	3016295	21.288 ug/ml
17) T Bnezo[k]fluoranthene ...	16.441	2837900	21.228 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.787	2923398	21.233 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.150	2637416	21.058 ug/ml
20) T Dibenz[a,h]anthracene...	18.191	2788714	21.168 ug/ml
21) T Benzo[g,h,i]perylene ...	18.406	2814550	21.267 ug/ml

(f)=RT Delta > 1/2 Window

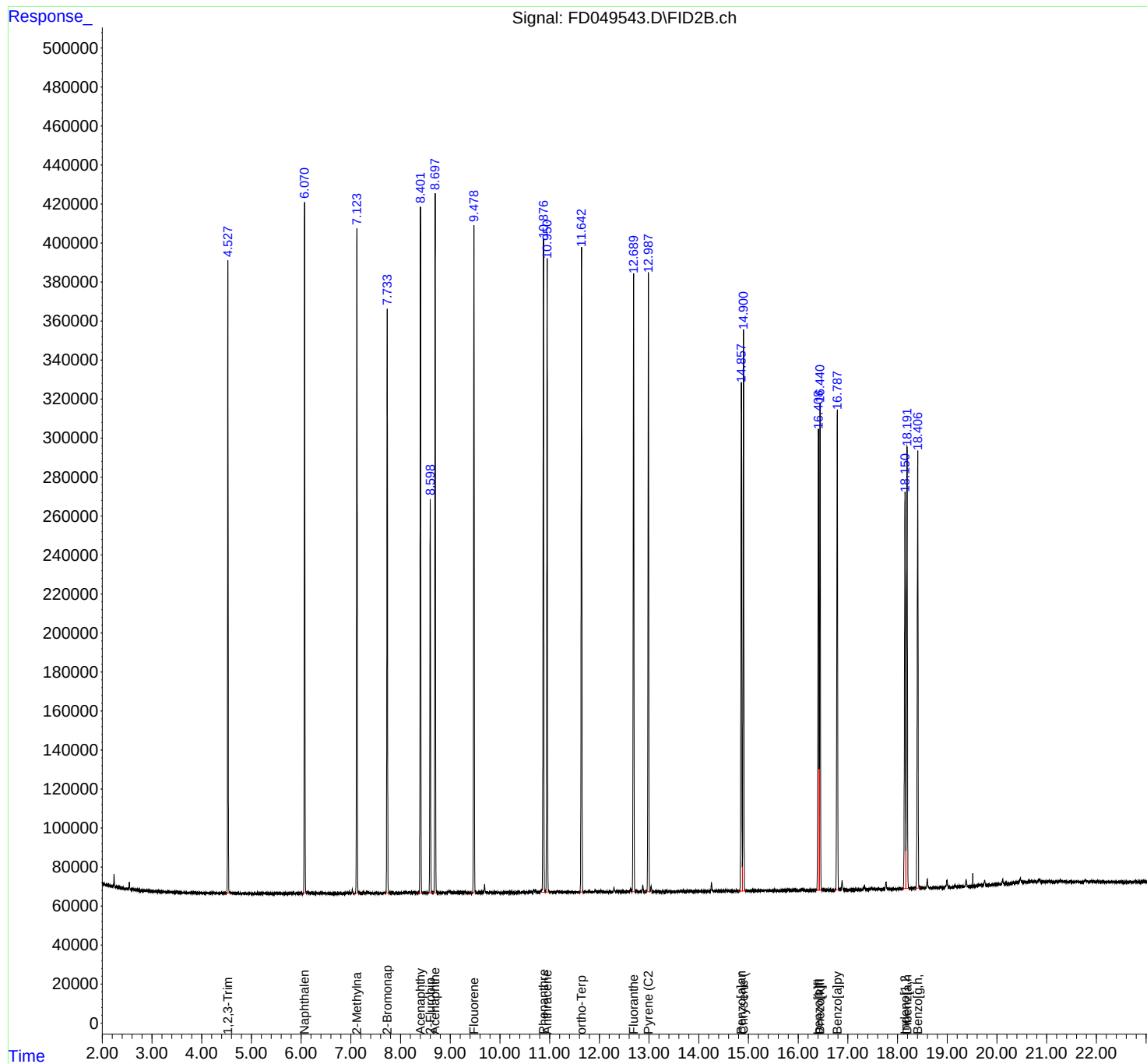
(m)=manual int.

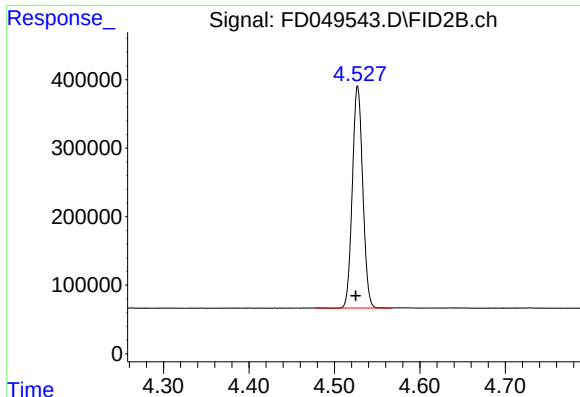
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049543.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 12:52
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 15 13:17:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

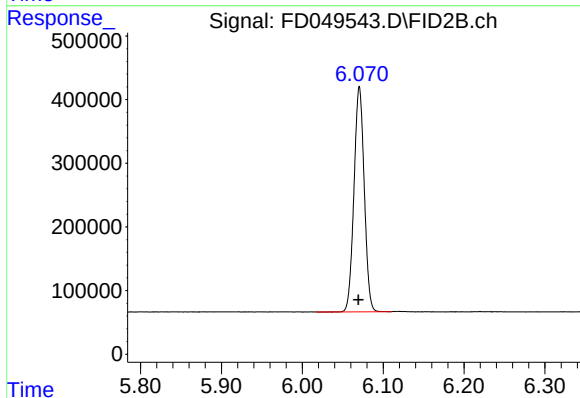




#1 1,2,3-Trimethylbenzene (C10.1)

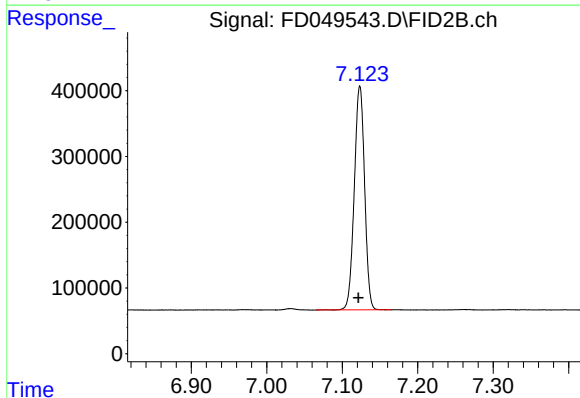
R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 2738664
Conc: 21.20 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



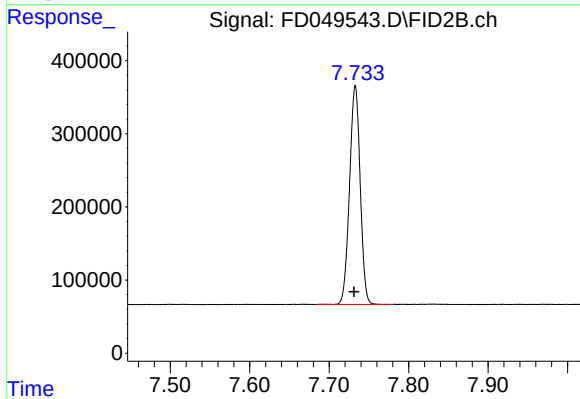
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.001 min
Response: 3118656
Conc: 21.31 ug/ml



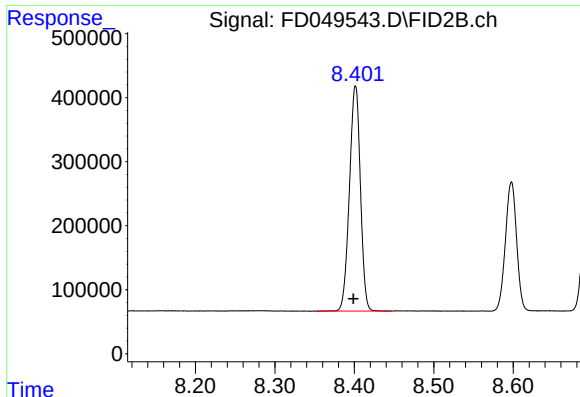
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.123 min
Delta R.T.: 0.002 min
Response: 3230552
Conc: 21.27 ug/ml



#4 2-Bromonaphthalene (SURR)

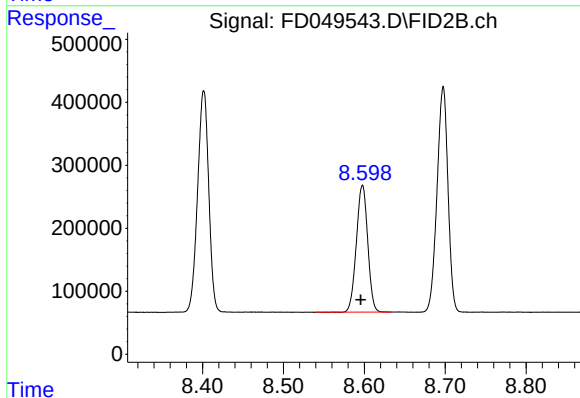
R.T.: 7.733 min
Delta R.T.: 0.002 min
Response: 2782715
Conc: 21.27 ug/ml



#5 Acenaphthylene (C15.06)

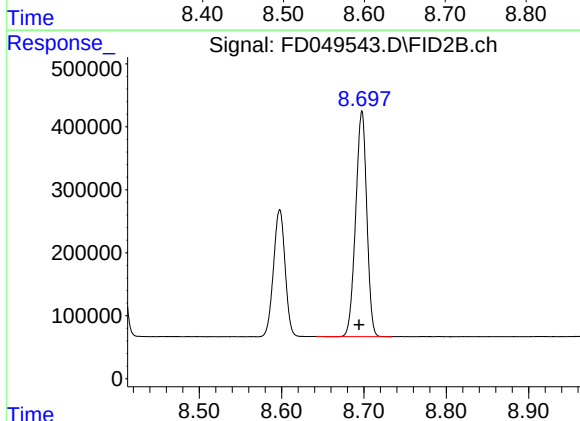
R.T.: 8.402 min
Delta R.T.: 0.003 min
Response: 3372659
Conc: 21.25 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



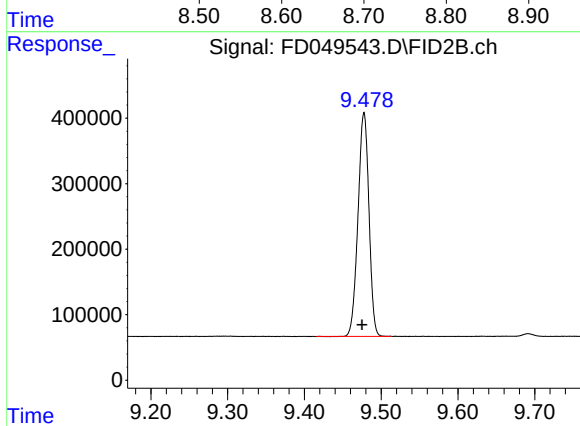
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: 0.002 min
Response: 1966976
Conc: 21.23 ug/ml



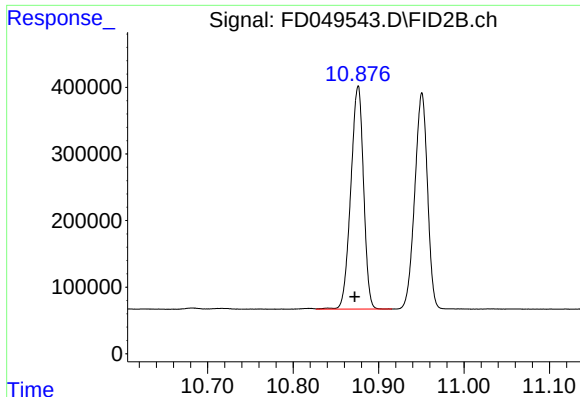
#7 Acenaphthene (C15.5)

R.T.: 8.698 min
Delta R.T.: 0.003 min
Response: 3363808
Conc: 21.25 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.478 min
Delta R.T.: 0.003 min
Response: 3388760
Conc: 21.21 ug/ml



#9 Phenanthrene (C19.36)

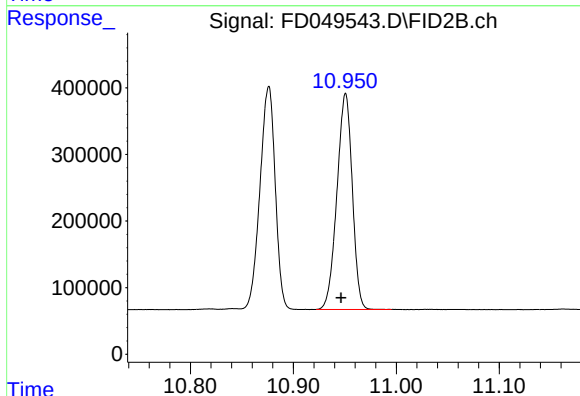
R.T.: 10.876 min
Delta R.T.: 0.004 min
Response: 3471797
Conc: 21.19 ug/ml

Instrument :

FID_D

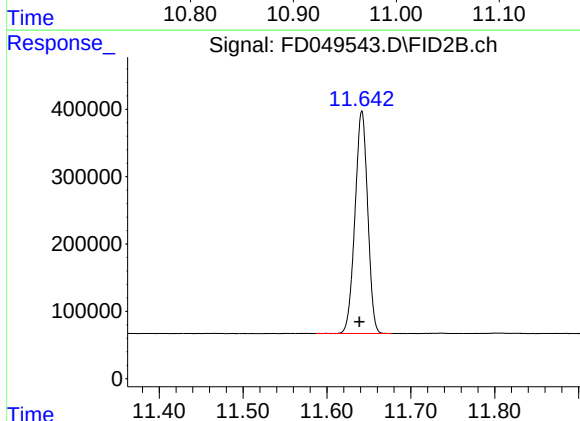
ClientSampleId :

20 PPM AROMATIC HC STD ICV



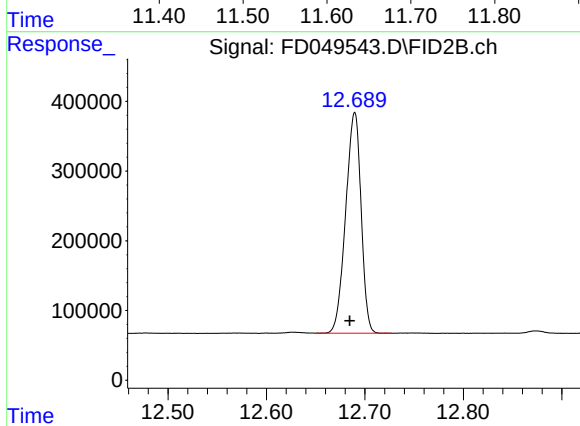
#10 Anthracene (C19.43)

R.T.: 10.951 min
Delta R.T.: 0.004 min
Response: 3361485
Conc: 21.10 ug/ml



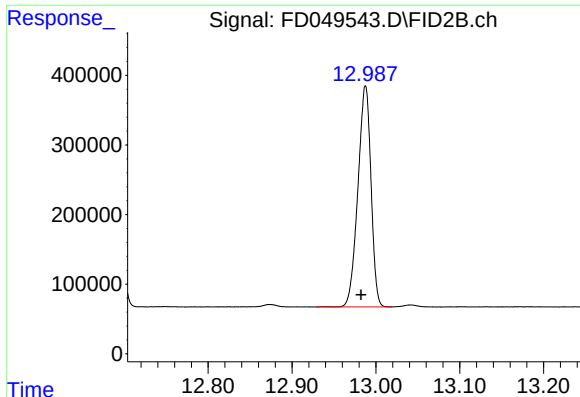
#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.003 min
Response: 3466684
Conc: 21.14 ug/ml



#12 Fluoranthene (C21.85)

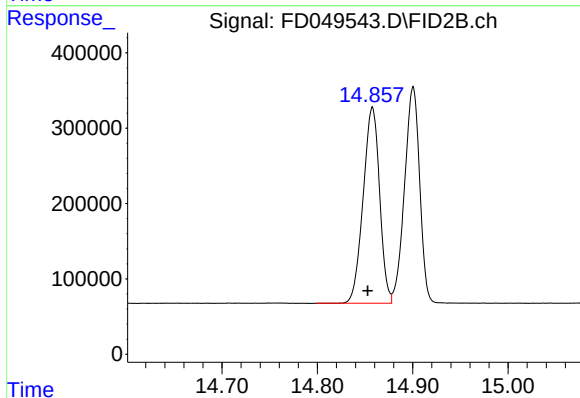
R.T.: 12.690 min
Delta R.T.: 0.005 min
Response: 3446070
Conc: 21.20 ug/ml



#13 Pyrene (C20.8)

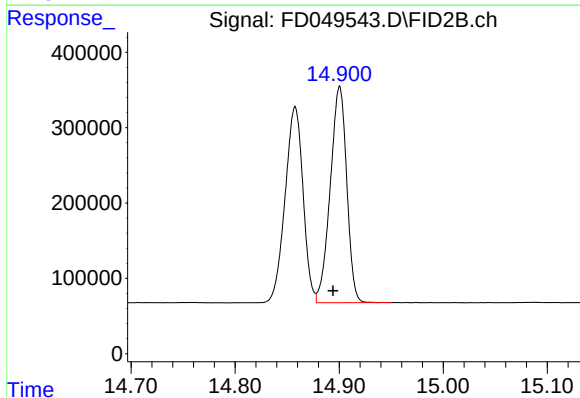
R.T.: 12.988 min
Delta R.T.: 0.005 min
Response: 3439374
Conc: 21.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



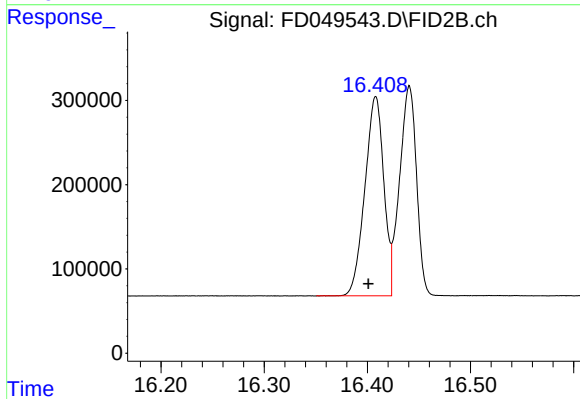
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.858 min
Delta R.T.: 0.005 min
Response: 3117998
Conc: 21.29 ug/ml



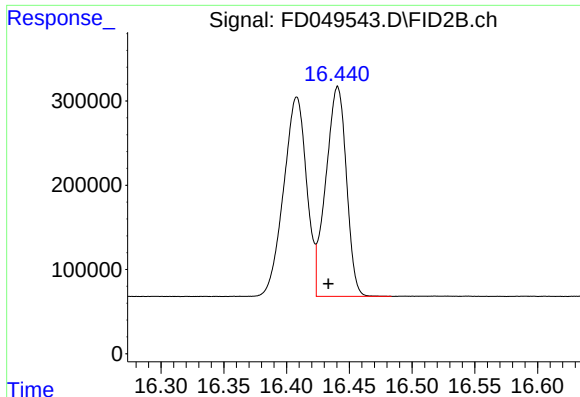
#15 Chrysene (C27.41)

R.T.: 14.900 min
Delta R.T.: 0.006 min
Response: 3158262
Conc: 21.22 ug/ml



#16 benzo[b]fluoranthene (C30.41)

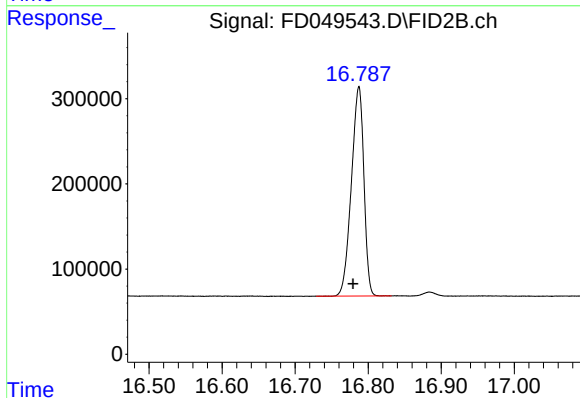
R.T.: 16.408 min
Delta R.T.: 0.007 min
Response: 3016295
Conc: 21.29 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

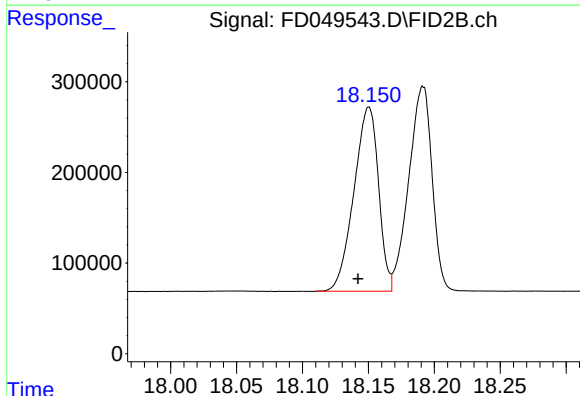
R.T.: 16.441 min
Delta R.T.: 0.008 min
Response: 2837900
Conc: 21.23 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



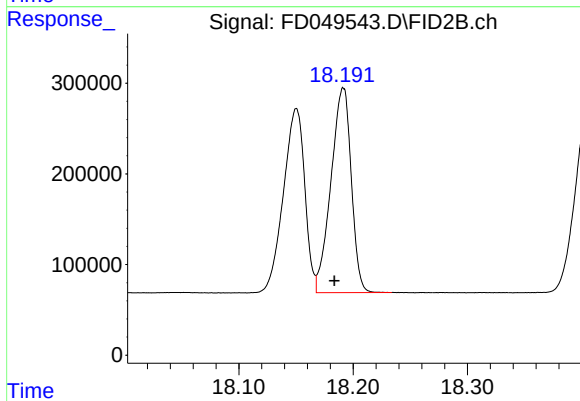
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.787 min
Delta R.T.: 0.008 min
Response: 2923398
Conc: 21.23 ug/ml



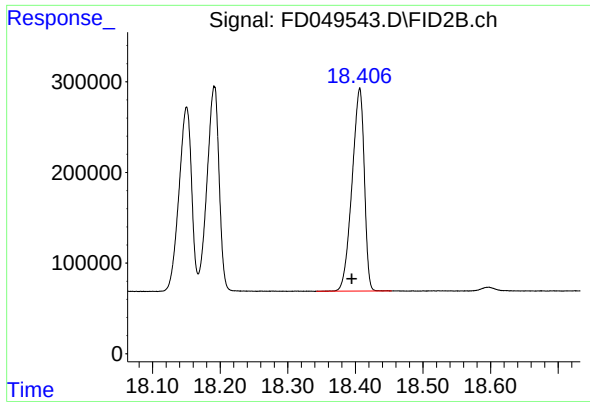
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.150 min
Delta R.T.: 0.008 min
Response: 2637416
Conc: 21.06 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.191 min
Delta R.T.: 0.008 min
Response: 2788714
Conc: 21.17 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.406 min
Delta R.T.: 0.012 min
Response: 2814550
Conc: 21.27 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Continuing Calibration Report for SequenceID : FC071625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069458.D

Aliphatic C9-C12	8429055.000	60.000	3.297	6.597	140484.250	138999.501	-1.068
Aliphatic C12-C16	5860780.000	40.000	6.598	10.000	146519.500	144073.407	-1.698
Aliphatic C16-C21	8127643.000	60.000	10.001	13.371	135460.717	135996.946	0.394
Aliphatic C21-C28	9303508.000	80.000	13.372	17.037	116293.850	118989.055	2.265
Aliphatic C28-C40	10489112.000	120.000	17.038	22.012	87409.267	89883.162	2.752
Aliphatic EPH	42210098.000	360.000	3.297	22.012	117250.272	118243.964	0.840

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	16 Jul 2025 13:47
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069458.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.297	6.597	8429055.000	60.000	ug/ml
Aliphatic C12-C16	6.598	10.000	5860780.000	40.000	ug/ml
Aliphatic C16-C21	10.001	13.371	8127643.000	60.000	ug/ml
Aliphatic C21-C28	13.372	17.037	9303508.000	80.000	ug/ml
Aliphatic C28-C40	17.038	22.012	10489112.000	120.000	ug/ml
Aliphatic EPH	3.297	22.012	42210098.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069458.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 13:47
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: sample.E
 Quant Time: Jul 17 06:49:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.667	2919867	19.675 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
12) S 1-chlorooctadecane (S...	13.104	2208468	19.542 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
Target Compounds			
1) T n-Nonane (C9)	3.397	2740974	20.142 ug/ml
2) T n-Decane (C10)	4.471	2811580	20.201 ug/ml
3) T A~Naphthalene (C11.7)	6.066	3023354	20.008 ug/ml
4) T n-Dodecane (C12)	6.497	2876501	20.295 ug/ml
5) T A~2-methylnaphthalene...	7.126	2916397	19.962 ug/ml
6) T n-Tetradecane (C14)	8.296	2906169	20.439 ug/ml
7) T n-Hexadecane (C16)	9.900	2954611	20.242 ug/ml
8) T n-Octadecane (C18)	11.345	2890991	20.098 ug/ml
10) T n-Eicosane (C20)	12.657	2668120	19.874 ug/ml
11) T n-Heneicosane (C21)	13.271	2568532	19.774 ug/ml
13) T n-Docosane (C22)	13.857	2502715	19.705 ug/ml
14) T n-Tetracosane (C24)	14.961	2394954	19.622 ug/ml
15) T n-Hexacosane (C26)	15.985	2260549	19.457 ug/ml
16) T n-Octacosane (C28)	16.937	2145290	19.377 ug/ml
17) T n-Tricontane (C30)	17.825	2118794	19.350 ug/ml
18) T n-Dotriacontane (C32)	18.658	2029743	19.560 ug/ml
19) T n-Tetratriacontane (C34)	19.443	1853548	19.671 ug/ml
20) T n-Hexatriacontane (C36)	20.185	1610971	19.504 ug/ml
21) T n-Octatriacontane (C38)	20.950	1473709	19.403 ug/ml
22) T n-Tetracontane (C40)	21.912	1402347	19.145 ug/ml

(f)=RT Delta > 1/2 Window

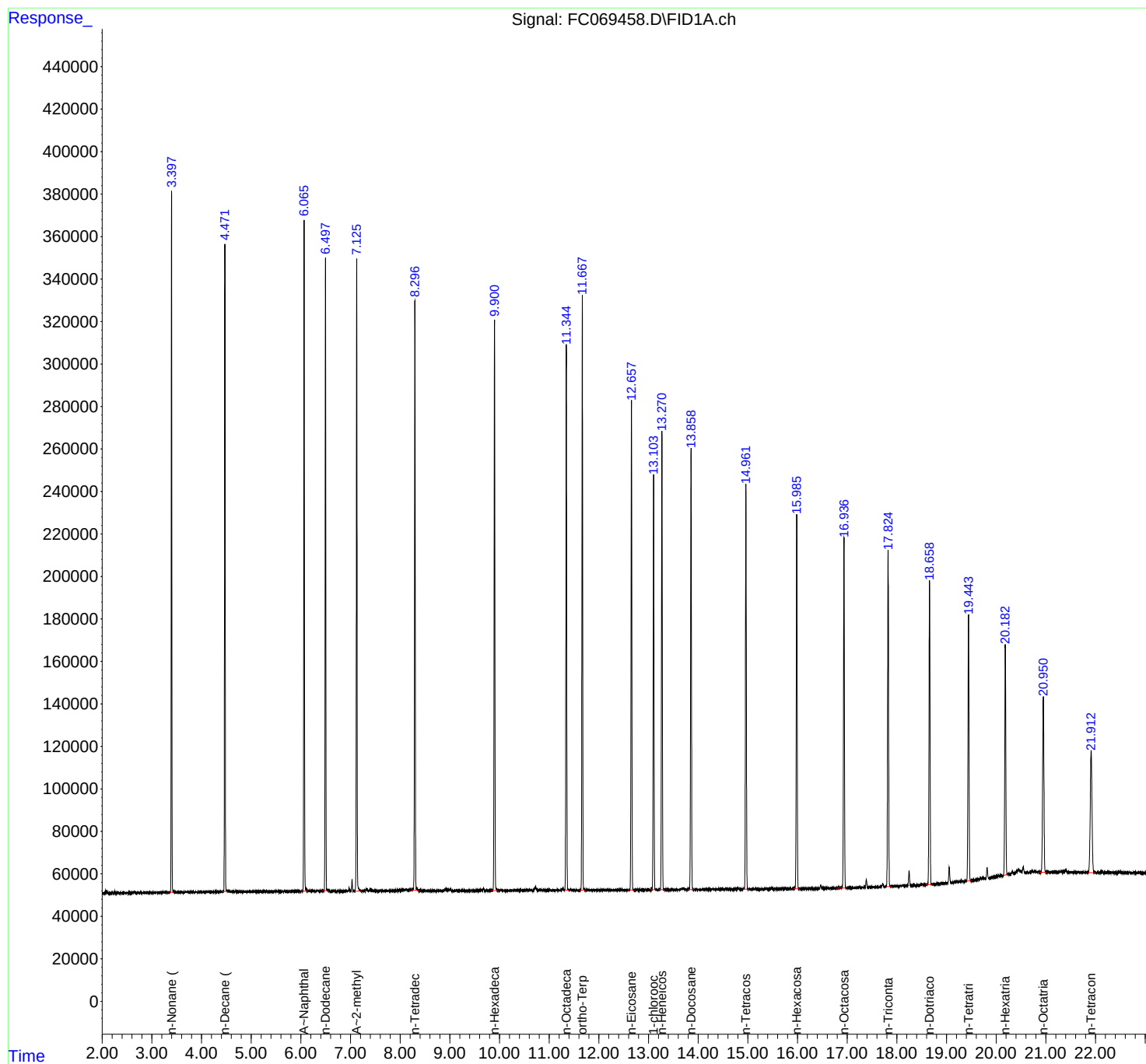
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069458.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 13:47
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: sample.E
Quant Time: Jul 17 06:49:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069458.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 13:47
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.397	3.362	3.444	BB	329630	2740974	90.66%	5.145%
2	4.471	4.417	4.522	BB	304557	2811580	93.00%	5.277%
3	6.066	6.012	6.140	BB	316075	3023354	100.00%	5.675%
4	6.497	6.434	6.527	BB	298009	2876501	95.14%	5.399%
5	7.126	7.077	7.219	BB	297869	2916397	96.46%	5.474%
6	8.296	8.227	8.374	BB	277522	2906169	96.12%	5.455%
7	9.900	9.842	9.974	BB	268764	2954611	97.73%	5.546%
8	11.345	11.310	11.404	BB	255910	2890991	95.62%	5.426%
9	11.667	11.609	11.724	BB	279911	2919867	96.58%	5.480%
10	12.657	12.592	12.712	BB	230179	2668120	88.25%	5.008%
11	13.104	13.045	13.137	BB	195663	2208468	73.05%	4.145%
12	13.271	13.207	13.317	BB	215984	2568532	84.96%	4.821%
13	13.857	13.797	13.907	BB	206627	2502715	82.78%	4.697%
14	14.961	14.904	15.009	BB	190322	2394954	79.22%	4.495%
15	15.985	15.922	16.034	BB	176344	2260549	74.77%	4.243%
16	16.937	16.780	16.979	BB	164997	2145290	70.96%	4.027%
17	17.825	17.780	17.877	BB	156049	2118794	70.08%	3.977%
18	18.658	18.585	18.710	BB	141333	2029743	67.14%	3.810%
19	19.443	19.400	19.504	BB	125470	1853548	61.31%	3.479%
20	20.185	20.140	20.225	BB	107279	1610971	53.28%	3.024%
21	20.950	20.870	21.005	BB	82951	1473709	48.74%	2.766%
22	21.912	21.840	21.999	BB	57322	1402347	46.38%	2.632%
Sum of corrected areas:							53278183	

Aliphatic EPH 071525.M Thu Jul 17 07:51:15 2025

Continuing Calibration Report for SequenceID : FC071625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069469.D

Aliphatic C9-C12	7802791.000	60.000	3.297	6.597	130046.517	138999.501	6.441
Aliphatic C12-C16	5268638.000	40.000	6.598	10.000	131715.950	144073.407	8.577
Aliphatic C16-C21	7395694.000	60.000	10.001	13.371	123261.567	135996.946	9.364
Aliphatic C21-C28	8615350.000	80.000	13.372	17.037	107691.875	118989.055	9.494
Aliphatic C28-C40	9784801.000	120.000	17.038	22.012	81540.008	89883.162	9.282
Aliphatic EPH	38867274.000	360.000	3.297	22.012	107964.650	118243.964	8.693

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	16 Jul 2025 23:34
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069469.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.297	6.597	7802791.000	60.000	ug/ml
Aliphatic C12-C16	6.598	10.000	5268638.000	40.000	ug/ml
Aliphatic C16-C21	10.001	13.371	7395694.000	60.000	ug/ml
Aliphatic C21-C28	13.372	17.037	8615350.000	80.000	ug/ml
Aliphatic C28-C40	17.038	22.012	9784801.000	120.000	ug/ml
Aliphatic EPH	3.297	22.012	38867274.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069469.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 23:34
 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: Jul 17 06:52:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.668	2743217	18.485 ug/ml
Spiked Amount 50.000		Recovery =	36.97%
12) S 1-chlorooctadecane (S...	13.103	2061011	18.237 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
Target Compounds			
1) T n-Nonane (C9)	3.403	2546955	18.716 ug/ml
2) T n-Decane (C10)	4.475	2612455	18.770 ug/ml
3) T A~Naphthalene (C11.7)	6.068	2850278	18.862 ug/ml
4) T n-Dodecane (C12)	6.499	2643381	18.650 ug/ml
5) T A~2-methylnaphthalene...	7.128	2733774	18.712 ug/ml
6) T n-Tetradecane (C14)	8.297	2613927	18.384 ug/ml
7) T n-Hexadecane (C16)	9.901	2654711	18.188 ug/ml
8) T n-Octadecane (C18)	11.346	2608832	18.136 ug/ml
10) T n-Eicosane (C20)	12.657	2431892	18.115 ug/ml
11) T n-Heneicosane (C21)	13.270	2354970	18.130 ug/ml
13) T n-Docosane (C22)	13.856	2303872	18.139 ug/ml
14) T n-Tetracosane (C24)	14.961	2218717	18.178 ug/ml
15) T n-Hexacosane (C26)	15.983	2104927	18.118 ug/ml
16) T n-Octacosane (C28)	16.935	1987834	17.955 ug/ml
17) T n-Tricontane (C30)	17.824	1949879	17.807 ug/ml
18) T n-Dotriacontane (C32)	18.658	1847332	17.802 ug/ml
19) T n-Tetratriacontane (C34)	19.445	1704142	18.085 ug/ml
20) T n-Hexatriacontane (C36)	20.185	1504614	18.216 ug/ml
21) T n-Octatriacontane (C38)	20.950	1409678	18.560 ug/ml
22) T n-Tetracontane (C40)	21.914	1369156	18.692 ug/ml

(f)=RT Delta > 1/2 Window

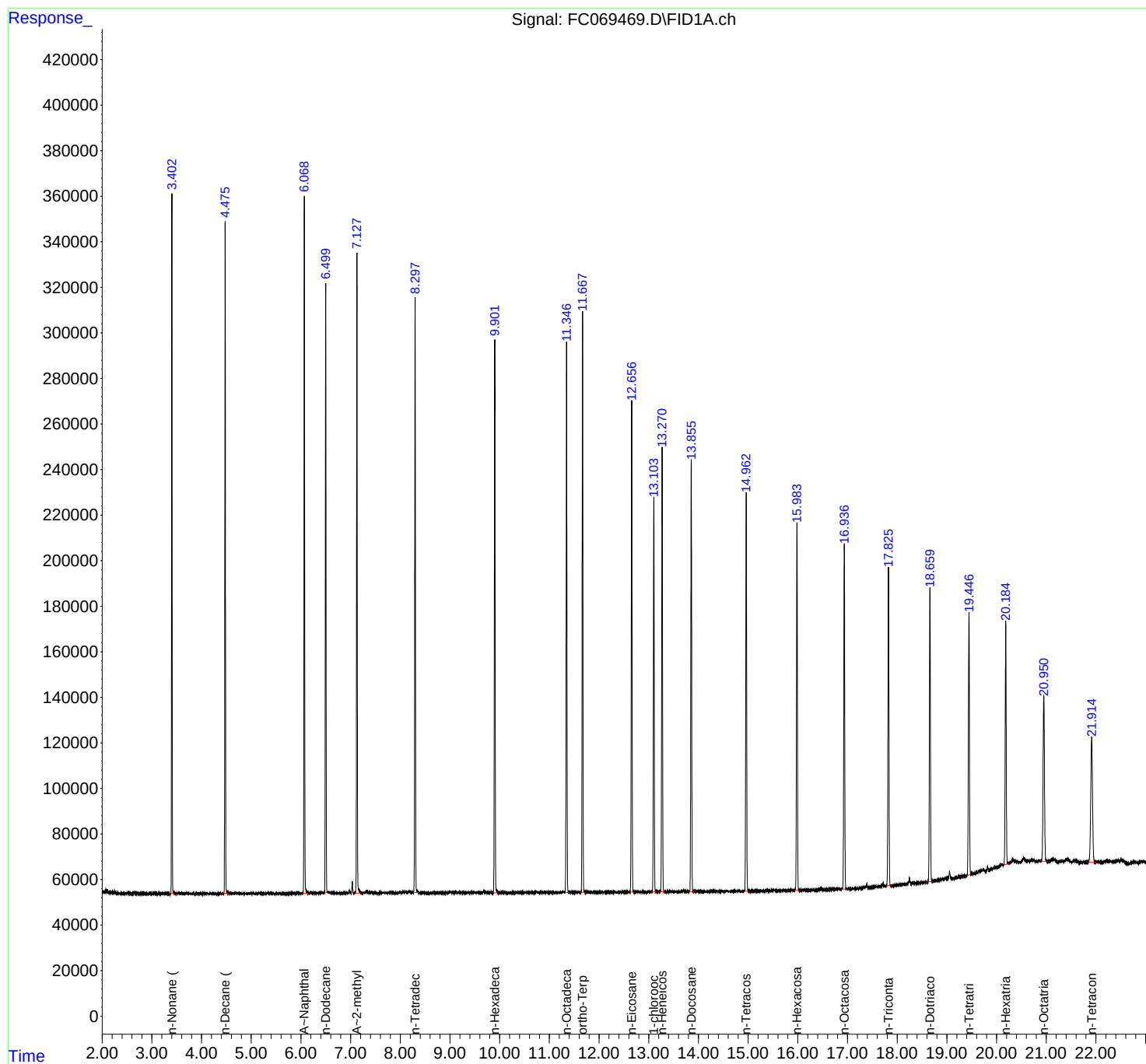
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069469.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 23:34
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: Jul 17 06:52:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069469.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 23:34
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 071525.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	3.403	3.353	3.453	BB	306060	2546955	89.36%	5.171%
2	4.475	4.422	4.538	BB	295642	2612455	91.66%	5.304%
3	6.068	6.030	6.142	BB	306430	2850278	100.00%	5.787%
4	6.499	6.463	6.532	BB	267172	2643381	92.74%	5.367%
5	7.128	7.088	7.220	BB	280510	2733774	95.91%	5.550%
6	8.297	8.262	8.368	BB	260610	2613927	91.71%	5.307%
7	9.901	9.863	9.975	BB	242865	2654711	93.14%	5.390%
8	11.346	11.310	11.405	BB	240351	2608832	91.53%	5.297%
9	11.668	11.630	11.728	BB	255172	2743217	96.24%	5.569%
10	12.657	12.617	12.710	BB	215446	2431892	85.32%	4.937%
11	13.103	13.058	13.155	BB	174015	2061011	72.31%	4.184%
12	13.270	13.232	13.318	BB	195534	2354970	82.62%	4.781%
13	13.856	13.817	13.905	BB	189437	2303872	80.83%	4.677%
14	14.961	14.920	15.010	BB	176063	2218717	77.84%	4.505%
15	15.983	15.928	16.027	BB	161438	2104927	73.85%	4.273%
16	16.935	16.868	16.987	BB	151463	1987834	69.74%	4.036%
17	17.824	17.780	17.877	BB	139513	1949879	68.41%	3.959%
18	18.658	18.595	18.698	BB	128626	1847332	64.81%	3.751%
19	19.445	19.400	19.480	BB	115161	1704142	59.79%	3.460%
20	20.185	20.140	20.252	BB	106611	1504614	52.79%	3.055%
21	20.950	20.873	21.032	BB	72451	1409678	49.46%	2.862%
22	21.914	21.840	22.008	BB	54695	1369156	48.04%	2.780%
Sum of corrected areas:							49255552	

Aliphatic EPH 071525.M Thu Jul 17 07:54:24 2025

Continuing Calibration Report for SequenceID : FC071625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069476.D

Aliphatic C9-C12	7813680.000	60.000	3.297	6.597	130228.000	138999.501	6.310
Aliphatic C12-C16	5274676.000	40.000	6.598	10.000	131866.900	144073.407	8.472
Aliphatic C16-C21	7394008.000	60.000	10.001	13.371	123233.467	135996.946	9.385
Aliphatic C21-C28	8600619.000	80.000	13.372	17.037	107507.738	118989.055	9.649
Aliphatic C28-C40	9724515.000	120.000	17.038	22.012	81037.625	89883.162	9.841
Aliphatic EPH	38807498.000	360.000	3.297	22.012	107798.606	118243.964	8.834

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Jul 2025 06:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069476.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.297	6.597	7813680.000	60.000	ug/ml
Aliphatic C12-C16	6.598	10.000	5274676.000	40.000	ug/ml
Aliphatic C16-C21	10.001	13.371	7394008.000	60.000	ug/ml
Aliphatic C21-C28	13.372	17.037	8600619.000	80.000	ug/ml
Aliphatic C28-C40	17.038	22.012	9724515.000	120.000	ug/ml
Aliphatic EPH	3.297	22.012	38807498.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069476.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 06:04
 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: Jul 17 06:53:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.668	2739057	18.457 ug/ml
Spiked Amount 50.000		Recovery =	36.91%
12) S 1-chlorooctadecane (S...	13.103	2054280	18.178 ug/ml
Spiked Amount 50.000		Recovery =	36.36%
Target Compounds			
1) T n-Nonane (C9)	3.403	2553892	18.767 ug/ml
2) T n-Decane (C10)	4.475	2616073	18.796 ug/ml
3) T A~Naphthalene (C11.7)	6.069	2840522	18.798 ug/ml
4) T n-Dodecane (C12)	6.499	2643715	18.652 ug/ml
5) T A~2-methylnaphthalene...	7.128	2725067	18.653 ug/ml
6) T n-Tetradecane (C14)	8.298	2620053	18.427 ug/ml
7) T n-Hexadecane (C16)	9.902	2654623	18.187 ug/ml
8) T n-Octadecane (C18)	11.346	2606661	18.121 ug/ml
10) T n-Eicosane (C20)	12.657	2432653	18.120 ug/ml
11) T n-Heneicosane (C21)	13.271	2354694	18.128 ug/ml
13) T n-Docosane (C22)	13.858	2301350	18.120 ug/ml
14) T n-Tetracosane (C24)	14.963	2213321	18.134 ug/ml
15) T n-Hexacosane (C26)	15.986	2100264	18.077 ug/ml
16) T n-Octacosane (C28)	16.936	1985684	17.935 ug/ml
17) T n-Tricontane (C30)	17.825	1950056	17.809 ug/ml
18) T n-Dotriacontane (C32)	18.659	1850353	17.831 ug/ml
19) T n-Tetratriacontane (C34)	19.444	1696589	18.005 ug/ml
20) T n-Hexatriacontane (C36)	20.185	1496343	18.116 ug/ml
21) T n-Octatriacontane (C38)	20.952	1389345	18.292 ug/ml
22) T n-Tetracontane (C40)	21.913	1341829	18.319 ug/ml

(f)=RT Delta > 1/2 Window

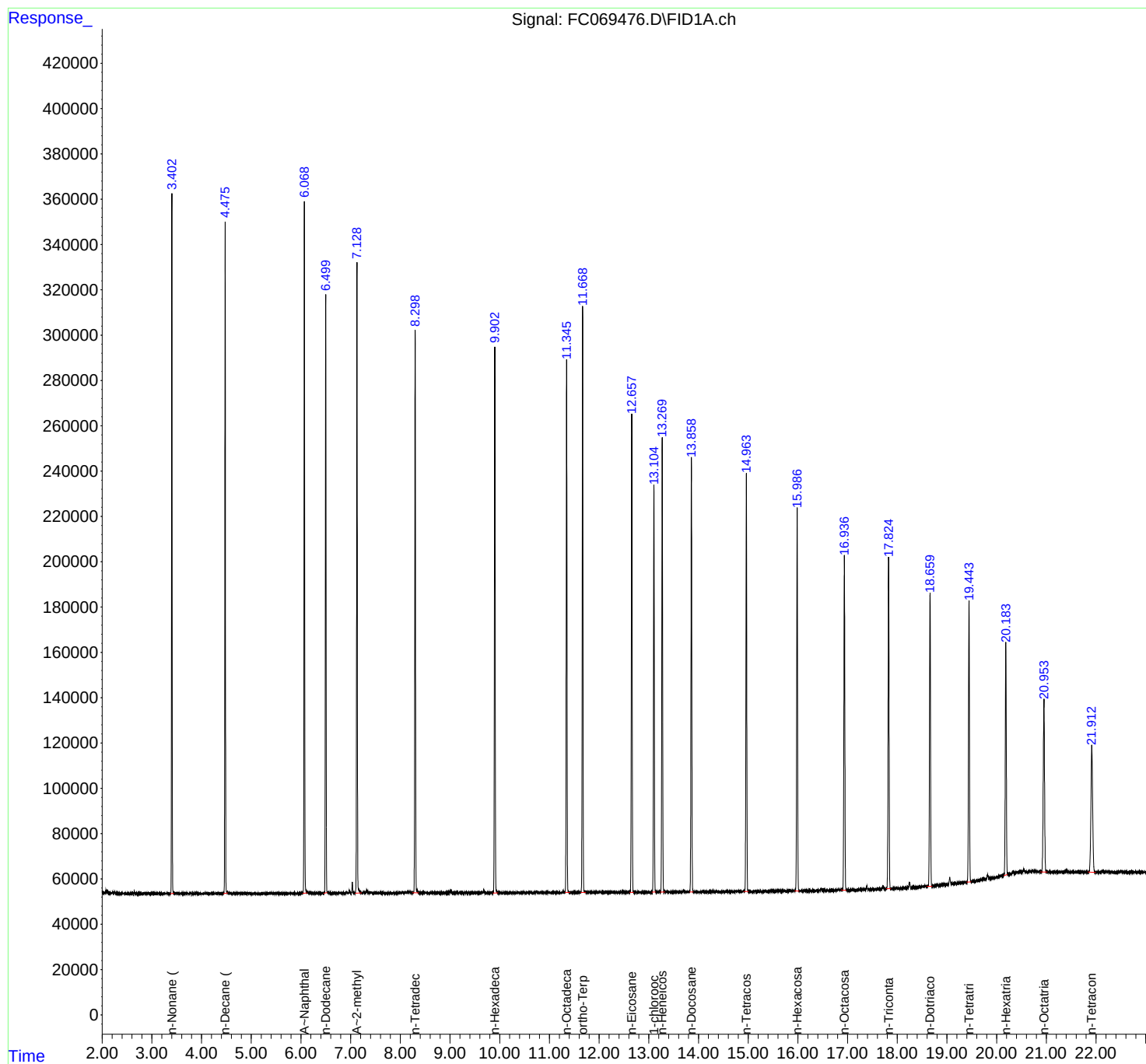
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069476.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 06:04
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: Jul 17 06:53:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069476.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 06:04
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 071525.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	3.403	3.372	3.445	BB	308754	2553892	89.91%	5.194%
2	4.475	4.439	4.530	BB	297212	2616073	92.10%	5.321%
3	6.069	6.037	6.132	BB	305226	2840522	100.00%	5.777%
4	6.499	6.460	6.529	BB	264069	2643715	93.07%	5.377%
5	7.128	7.087	7.224	BB	277350	2725067	95.94%	5.543%
6	8.298	8.245	8.374	BB	248448	2620053	92.24%	5.329%
7	9.902	9.864	9.967	BB	241279	2654623	93.46%	5.399%
8	11.346	11.310	11.410	BB	235221	2606661	91.77%	5.302%
9	11.668	11.632	11.734	BB	259824	2739057	96.43%	5.571%
10	12.657	12.619	12.699	BB	210834	2432653	85.64%	4.948%
11	13.103	13.065	13.137	BB	179543	2054280	72.32%	4.178%
12	13.271	13.230	13.324	BB	199862	2354694	82.90%	4.789%
13	13.858	13.819	13.894	BB	192272	2301350	81.02%	4.681%
14	14.963	14.905	15.004	BB	183301	2213321	77.92%	4.502%
15	15.986	15.934	16.027	BB	168755	2100264	73.94%	4.272%
16	16.936	16.872	16.975	BB	146874	1985684	69.91%	4.039%
17	17.825	17.780	17.869	BB	145080	1950056	68.65%	3.966%
18	18.659	18.597	18.705	BB	128872	1850353	65.14%	3.763%
19	19.444	19.400	19.482	BB	124182	1696589	59.73%	3.451%
20	20.185	20.140	20.222	BB	101826	1496343	52.68%	3.043%
21	20.952	20.880	21.017	BB	75786	1389345	48.91%	2.826%
22	21.913	21.840	21.994	BB	55792	1341829	47.24%	2.729%
Sum of corrected areas:							49166422	

Aliphatic EPH 071525.M Thu Jul 17 07:56:54 2025

Continuing Calibration Report for SequenceID : FC071725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069479.D

Aliphatic C9-C12	7816802.000	60.000	3.303	6.599	130280.033	138999.501	6.273
Aliphatic C12-C16	5244057.000	40.000	6.600	10.002	131101.425	144073.407	9.004
Aliphatic C16-C21	7344577.000	60.000	10.003	13.370	122409.617	135996.946	9.991
Aliphatic C21-C28	8574656.000	80.000	13.371	17.036	107183.200	118989.055	9.922
Aliphatic C28-C40	9736652.000	120.000	17.037	22.013	81138.767	89883.162	9.729
Aliphatic EPH	38716744.000	360.000	3.303	22.013	107546.511	118243.964	9.047

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Jul 2025 08:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069479.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.599	7816802.000	60.000	ug/ml
Aliphatic C12-C16	6.600	10.002	5244057.000	40.000	ug/ml
Aliphatic C16-C21	10.003	13.370	7344577.000	60.000	ug/ml
Aliphatic C21-C28	13.371	17.036	8574656.000	80.000	ug/ml
Aliphatic C28-C40	17.037	22.013	9736652.000	120.000	ug/ml
Aliphatic EPH	3.303	22.013	38716744.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069479.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 08:56
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 17 11:30:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.668	2729639	18.393 ug/ml
Spiked Amount 50.000		Recovery =	36.79%
12) S 1-chlorooctadecane (S...	13.104	2043560	18.083 ug/ml
Spiked Amount 50.000		Recovery =	36.17%
Target Compounds			
1) T n-Nonane (C9)	3.403	2557439	18.794 ug/ml
2) T n-Decane (C10)	4.475	2619537	18.821 ug/ml
3) T A~Naphthalene (C11.7)	6.068	2840328	18.797 ug/ml
4) T n-Dodecane (C12)	6.499	2639826	18.625 ug/ml
5) T A~2-methylnaphthalene...	7.127	2723268	18.641 ug/ml
6) T n-Tetradecane (C14)	8.297	2607814	18.341 ug/ml
7) T n-Hexadecane (C16)	9.902	2636243	18.061 ug/ml
8) T n-Octadecane (C18)	11.346	2587101	17.985 ug/ml
10) T n-Eicosane (C20)	12.658	2416192	17.998 ug/ml
11) T n-Heneicosane (C21)	13.270	2341284	18.025 ug/ml
13) T n-Docosane (C22)	13.858	2290760	18.036 ug/ml
14) T n-Tetracosane (C24)	14.963	2205185	18.067 ug/ml
15) T n-Hexacosane (C26)	15.985	2096405	18.044 ug/ml
16) T n-Octacosane (C28)	16.936	1982306	17.905 ug/ml
17) T n-Tricontane (C30)	17.824	1946946	17.780 ug/ml
18) T n-Dotriacontane (C32)	18.658	1851444	17.842 ug/ml
19) T n-Tetratriacontane (C34)	19.443	1700969	18.052 ug/ml
20) T n-Hexatriacontane (C36)	20.184	1502956	18.196 ug/ml
21) T n-Octatriacontane (C38)	20.949	1392818	18.338 ug/ml
22) T n-Tetracontane (C40)	21.913	1341519	18.315 ug/ml

(f)=RT Delta > 1/2 Window

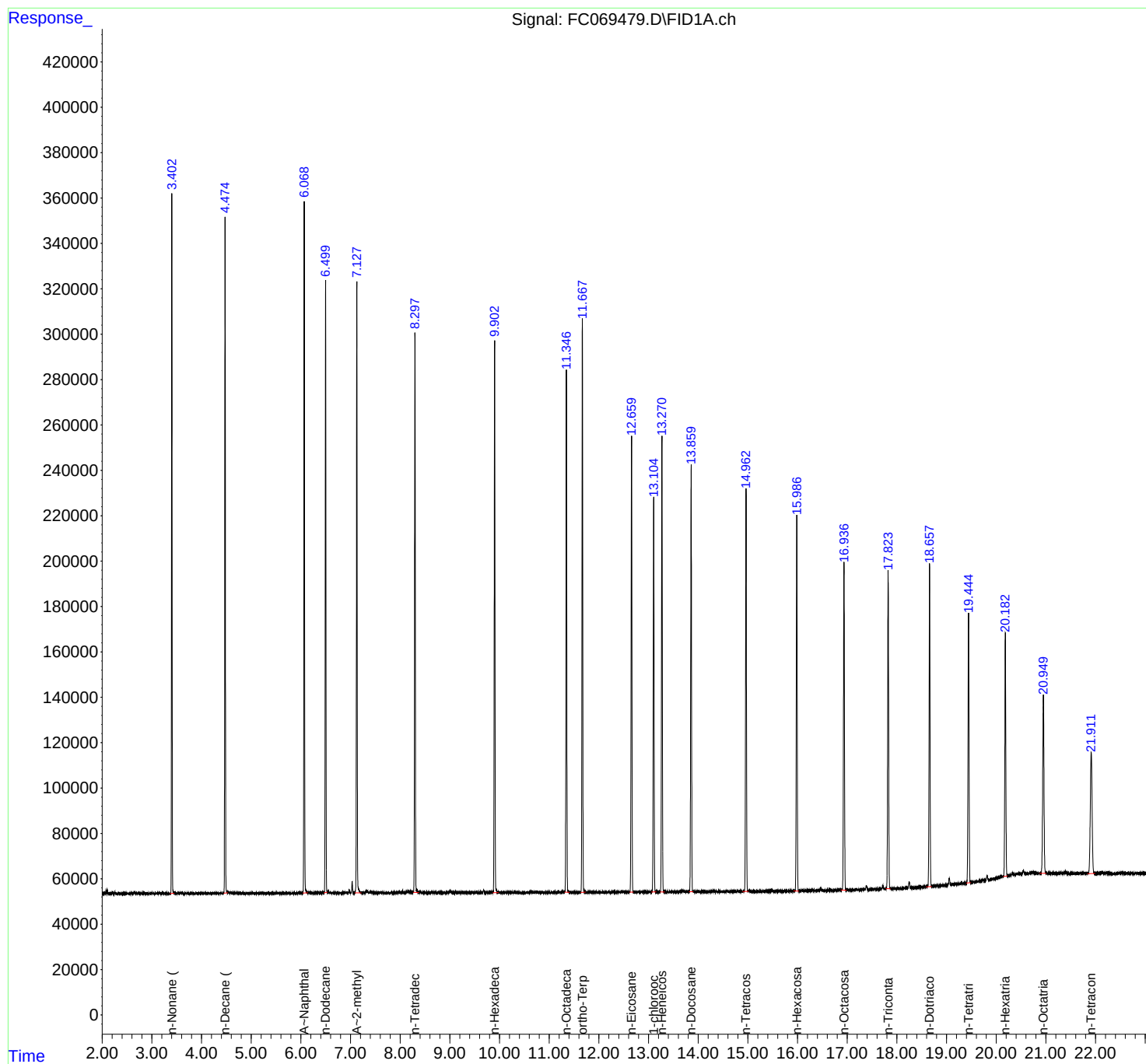
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069479.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 08:56
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 17 11:30:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Continuing Calibration Report for SequenceID : FC071725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069485.D

Aliphatic C9-C12	7788678.000	60.000	3.303	6.599	129811.300	138999.501	6.610
Aliphatic C12-C16	5258194.000	40.000	6.600	10.002	131454.850	144073.407	8.758
Aliphatic C16-C21	7374441.000	60.000	10.003	13.370	122907.350	135996.946	9.625
Aliphatic C21-C28	8646336.000	80.000	13.371	17.036	108079.200	118989.055	9.169
Aliphatic C28-C40	9879171.000	120.000	17.037	22.013	82326.425	89883.162	8.407
Aliphatic EPH	38946820.000	360.000	3.303	22.013	108185.611	118243.964	8.506

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Jul 2025 13:20
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069485.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.599	7788678.000	60.000	ug/ml
Aliphatic C12-C16	6.600	10.002	5258194.000	40.000	ug/ml
Aliphatic C16-C21	10.003	13.370	7374441.000	60.000	ug/ml
Aliphatic C21-C28	13.371	17.036	8646336.000	80.000	ug/ml
Aliphatic C28-C40	17.037	22.013	9879171.000	120.000	ug/ml
Aliphatic EPH	3.303	22.013	38946820.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069485.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 13:20
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 18 00:07:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.668	2732239	18.411 ug/ml
Spiked Amount 50.000		Recovery =	36.82%
12) S 1-chlorooctadecane (S...	13.104	2050933	18.148 ug/ml
Spiked Amount 50.000		Recovery =	36.30%
Target Compounds			
1) T n-Nonane (C9)	3.400	2543174	18.689 ug/ml
2) T n-Decane (C10)	4.473	2610038	18.753 ug/ml
3) T A~Naphthalene (C11.7)	6.068	2831588	18.739 ug/ml
4) T n-Dodecane (C12)	6.499	2635466	18.594 ug/ml
5) T A~2-methylnaphthalene...	7.127	2715156	18.585 ug/ml
6) T n-Tetradecane (C14)	8.298	2614583	18.389 ug/ml
7) T n-Hexadecane (C16)	9.902	2643611	18.112 ug/ml
8) T n-Octadecane (C18)	11.346	2597973	18.061 ug/ml
10) T n-Eicosane (C20)	12.658	2426560	18.075 ug/ml
11) T n-Heneicosane (C21)	13.271	2349908	18.091 ug/ml
13) T n-Docosane (C22)	13.858	2299817	18.107 ug/ml
14) T n-Tetracosane (C24)	14.963	2221965	18.205 ug/ml
15) T n-Hexacosane (C26)	15.985	2110988	18.170 ug/ml
16) T n-Octacosane (C28)	16.936	2013566	18.187 ug/ml
17) T n-Tricontane (C30)	17.825	1977812	18.062 ug/ml
18) T n-Dotriacontane (C32)	18.660	1885253	18.168 ug/ml
19) T n-Tetratriacontane (C34)	19.442	1729346	18.353 ug/ml
20) T n-Hexatriacontane (C36)	20.184	1522636	18.434 ug/ml
21) T n-Octatriacontane (C38)	20.950	1410180	18.566 ug/ml
22) T n-Tetracontane (C40)	21.912	1353944	18.484 ug/ml

(f)=RT Delta > 1/2 Window

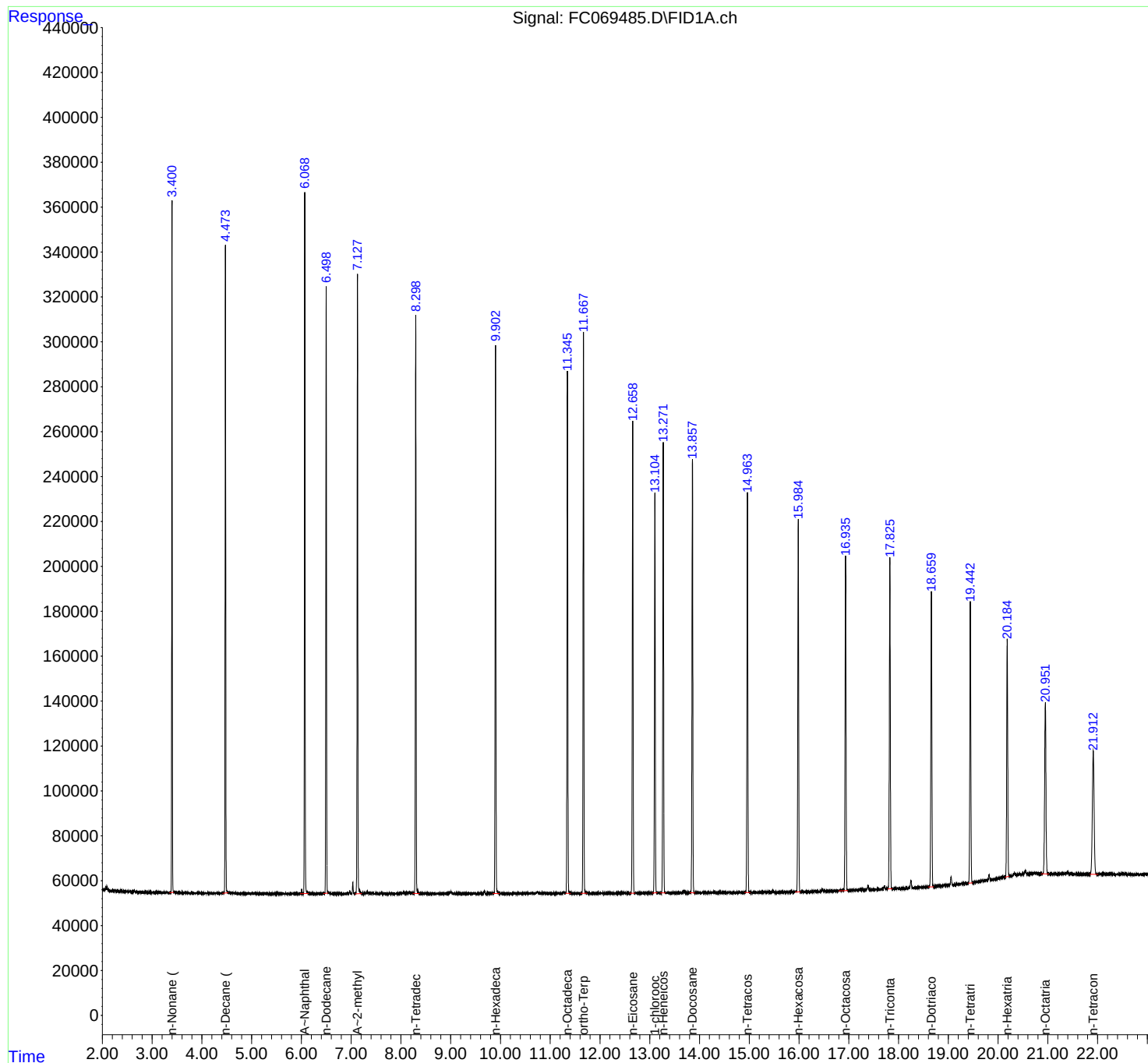
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
Data File : FC069485.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 13:20
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 18 00:07:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071725AL\
 Data File : FC069485.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 13:20
 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 071525.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	3.400	3.345	3.437	BB	308611	2543174	89.81%	5.161%
2	4.473	4.412	4.530	BB	288634	2610038	92.18%	5.297%
3	6.068	5.972	6.144	BB	313501	2831588	100.00%	5.746%
4	6.499	6.439	6.534	BB	270062	2635466	93.07%	5.348%
5	7.127	7.079	7.219	BB	276213	2715156	95.89%	5.510%
6	8.298	8.234	8.372	BB	257290	2614583	92.34%	5.306%
7	9.902	9.845	9.979	BB	244734	2643611	93.36%	5.365%
8	11.346	11.310	11.410	BB	232098	2597973	91.75%	5.272%
9	11.668	11.614	11.740	BB	249760	2732239	96.49%	5.545%
10	12.658	12.594	12.705	BB	211239	2426560	85.70%	4.924%
11	13.104	13.044	13.155	BB	177846	2050933	72.43%	4.162%
12	13.271	13.210	13.315	BB	201659	2349908	82.99%	4.769%
13	13.858	13.800	13.909	BB	193443	2299817	81.22%	4.667%
14	14.963	14.904	15.019	BB	178997	2221965	78.47%	4.509%
15	15.985	15.920	16.034	BB	166270	2110988	74.55%	4.284%
16	16.936	16.794	16.985	BB	148805	2013566	71.11%	4.086%
17	17.825	17.780	17.880	BB	147384	1977812	69.85%	4.014%
18	18.660	18.590	18.710	BB	132085	1885253	66.58%	3.826%
19	19.442	19.400	19.495	BB	125122	1729346	61.07%	3.509%
20	20.184	20.140	20.224	BB	105081	1522636	53.77%	3.090%
21	20.950	20.869	21.020	BB	76124	1410180	49.80%	2.862%
22	21.912	21.840	22.005	BB	55046	1353944	47.82%	2.748%
Sum of corrected areas:							49276735	

Aliphatic EPH 071525.M Fri Jul 18 00:10:46 2025

Continuing Calibration Report for SequenceID : FD071625AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049548.D

Aromatic C10-C12	5757629.000	40.000	4.425	6.169	143940.725	137773.911	-4.476
Aromatic C12-C16	9750119.000	60.000	6.170	8.797	162501.983	156307.806	-3.963
Aromatic C16-C21	12946992.000	80.000	8.798	13.086	161837.400	161283.467	-0.343
Aromatic C21-C36	26398938.000	180.000	13.087	18.506	146660.767	140022.851	-4.741
Aromatic EPH	54853678.000	360.000	4.425	18.506	152371.328	147211.709	-3.505

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	16 Jul 2025 13:47
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049548.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.425	6.169	5757629.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.797	9750119.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.086	12946992.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.506	26398938.000	180.000	ug/ml
Aromatic EPH	4.425	18.506	54853678.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049548.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 13:47
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: sample.E
 Quant Time: Jul 17 07:15:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	2730906	20.873 ug/ml
Spiked Amount 50.000		Recovery =	41.75%
6) S 2-Fluorobiphenyl (SURR)	8.598	1927007	20.796 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.59%
11) S ortho-Terphenyl (SURR)	11.641	3430080	20.919 ug/ml
Spiked Amount 50.000		Recovery =	41.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	2695758	20.867 ug/ml
2) T Naphthalene (C11.7)	6.069	3061871	20.920 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3171126	20.882 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3284442	20.692 ug/ml
7) T Acenaphthene (C15.5)	8.697	3294551	20.808 ug/ml
8) T Flouorene (C16.55)	9.477	3323898	20.807 ug/ml
9) T Phenanthrene (C19.36)	10.876	3427070	20.922 ug/ml
10) T Anthracene (C19.43)	10.949	2784723	17.482 ug/ml
12) T Fluoranthene (C21.85)	12.688	3409490	20.976 ug/ml
13) T Pyrene (C20.8)	12.986	3411301	21.020 ug/ml
14) T Benzo[a]anthracene (C...	14.857	3035596	20.728 ug/ml
15) T Chrysene (C27.41)	14.900	3134759	21.063 ug/ml
16) T benzo[b]fluoranthene ...	16.408	2989883	21.102 ug/ml
17) T Bnezo[k]fluoranthene ...	16.440	2810632	21.024 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.786	2838973	20.620 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.150	2600311	20.761 ug/ml
20) T Dibenz[a,h]anthracene...	18.190	2825707	21.449 ug/ml
21) T Benzo[g,h,i]perylene ...	18.406	2753587	20.806 ug/ml

(f)=RT Delta > 1/2 Window

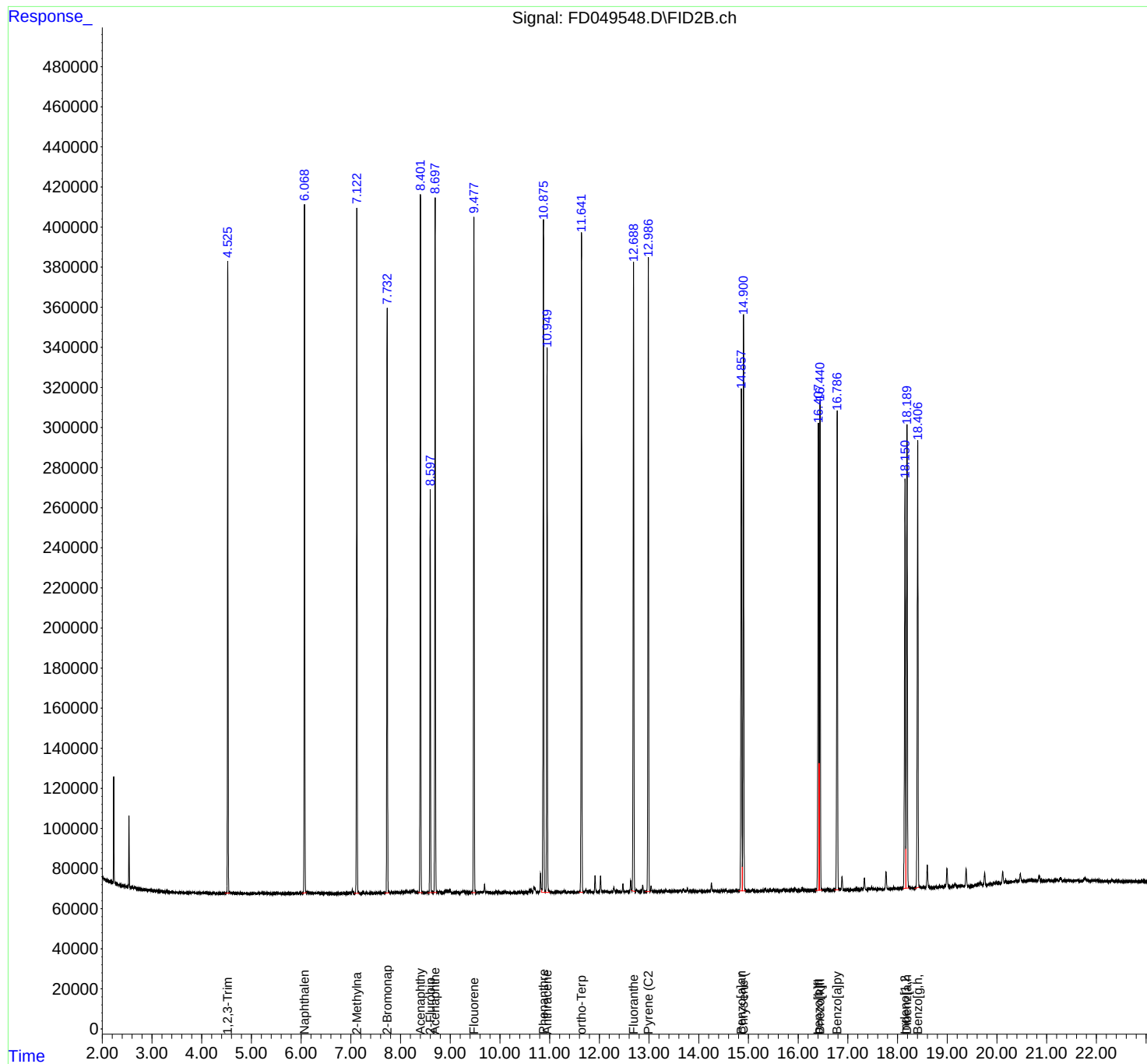
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049548.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 13:47
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: sample.E
Quant Time: Jul 17 07:15:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049548.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 13:47
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.525	4.472	4.565	BB	314926	2695758	78.59%	4.283%
2	6.069	6.015	6.109	BB	343286	3061871	89.27%	4.865%
3	7.122	7.064	7.172	BB	342148	3171126	92.45%	5.038%
4	7.732	7.685	7.775	BB	291518	2730906	79.62%	4.339%
5	8.401	8.349	8.444	BB	347906	3284442	95.75%	5.218%
6	8.598	8.549	8.637	BB	200108	1927007	56.18%	3.062%
7	8.697	8.649	8.739	BB	346774	3294551	96.05%	5.234%
8	9.477	9.427	9.510	BB	336875	3323898	96.90%	5.281%
9	10.876	10.836	10.909	VV	334241	3427070	99.91%	5.445%
10	10.949	10.909	11.005	VB	270722	2784723	81.19%	4.424%
11	11.641	11.587	11.672	BB	329706	3430080	100.00%	5.450%
12	12.688	12.650	12.722	BV	313853	3409490	99.40%	5.417%
13	12.986	12.924	13.020	BV	316308	3411301	99.45%	5.420%
14	14.857	14.800	14.878	BV	250257	3035596	88.50%	4.823%
15	14.900	14.878	14.950	VB	287433	3134759	91.39%	4.980%
16	16.408	16.347	16.423	BV	233642	2989883	87.17%	4.750%
17	16.440	16.423	16.485	VB	243861	2810632	81.94%	4.465%
18	16.786	16.729	16.819	BB	238326	2838973	82.77%	4.510%
19	18.150	18.110	18.167	BV	204070	2600311	75.81%	4.131%
20	18.190	18.167	18.234	VB	229859	2825707	82.38%	4.489%
21	18.406	18.345	18.433	BB	223050	2753587	80.28%	4.375%
Sum of corrected areas:						62941672		

Aromatic EPH 071525.M Thu Jul 17 07:39:08 2025

Continuing Calibration Report for SequenceID : FD071625AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049559.D

Aromatic C10-C12	5613030.000	40.000	4.425	6.169	140325.750	137773.911	-1.852
Aromatic C12-C16	9286635.000	60.000	6.170	8.797	154777.250	156307.806	0.979
Aromatic C16-C21	12763503.000	80.000	8.798	13.086	159543.788	161283.467	1.079
Aromatic C21-C36	24714882.000	180.000	13.087	18.506	137304.900	140022.851	1.941
Aromatic EPH	52378050.000	360.000	4.425	18.506	145494.583	147211.709	1.166

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	16 Jul 2025 23:34
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049559.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.425	6.169	5613030.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.797	9286635.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.086	12763503.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.506	24714882.000	180.000	ug/ml
Aromatic EPH	4.425	18.506	52378050.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049559.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 23:34
 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: sample.E
 Quant Time: Jul 17 07:18:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.736	2699009	20.629 ug/ml
Spiked Amount 50.000		Recovery =	41.26%
6) S 2-Fluorobiphenyl (SURR)	8.601	1924863	20.773 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.55%
11) S ortho-Terphenyl (SURR)	11.645	3258117	19.871 ug/ml
Spiked Amount 50.000		Recovery =	39.74%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.531	2653134	20.537 ug/ml
2) T Naphthalene (C11.7)	6.074	2959896	20.224 ug/ml
3) T 2-Methylnaphthalene (...)	7.126	2963160	19.512 ug/ml
5) T Acenaphthylene (C15.06)	8.405	3198651	20.151 ug/ml
7) T Acenaphthene (C15.5)	8.700	3124824	19.736 ug/ml
8) T Flouorene (C16.55)	9.481	3241677	20.293 ug/ml
9) T Phenanthrene (C19.36)	10.879	3269827	19.962 ug/ml
10) T Anthracene (C19.43)	10.954	3012639	18.913 ug/ml
12) T Fluoranthene (C21.85)	12.693	3237446	19.917 ug/ml
13) T Pyrene (C20.8)	12.990	3239360	19.960 ug/ml
14) T Benzo[a]anthracene (C...	14.861	2919609	19.936 ug/ml
15) T Chrysene (C27.41)	14.903	2914329	19.582 ug/ml
16) T benzo[b]fluoranthene ...	16.411	2751404	19.419 ug/ml
17) T Bnezo[k]fluoranthene ...	16.444	2736459	20.470 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.790	2586134	18.784 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.153	2419458	19.317 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	2589389	19.655 ug/ml
21) T Benzo[g,h,i]perylene ...	18.409	2560654	19.348 ug/ml

(f)=RT Delta > 1/2 Window

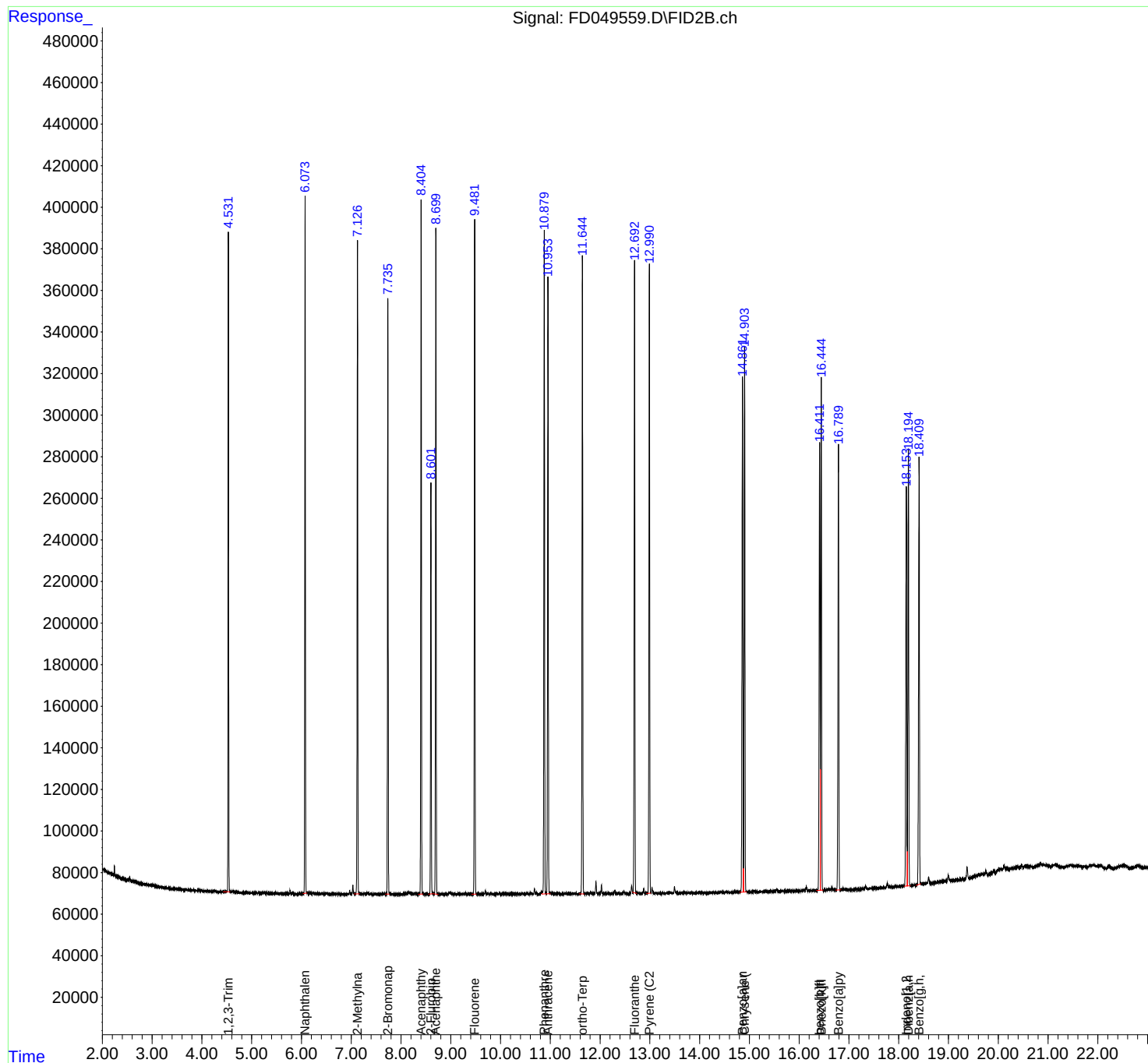
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049559.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 23:34
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: sample.E
Quant Time: Jul 17 07:18:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049559.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 23:34
 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 071525.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	4.531	4.433	4.562	BB	317180	2653134	81.14%	4.403%
2	6.074	6.027	6.112	BV	334844	2959896	90.52%	4.912%
3	7.126	7.063	7.172	BB	314341	2963160	90.62%	4.917%
4	7.736	7.690	7.770	BB	286919	2699009	82.54%	4.479%
5	8.405	8.348	8.448	BB	333761	3198651	97.82%	5.308%
6	8.601	8.553	8.640	BB	197573	1924863	58.87%	3.194%
7	8.700	8.647	8.747	BB	320694	3124824	95.57%	5.186%
8	9.481	9.422	9.513	BB	325722	3241677	99.14%	5.379%
9	10.879	10.834	10.918	VV	318220	3269827	100.00%	5.426%
10	10.954	10.918	11.002	VB	296882	3012639	92.13%	4.999%
11	11.645	11.583	11.680	BB	306343	3258117	99.64%	5.407%
12	12.693	12.650	12.735	BB	303077	3237446	99.01%	5.372%
13	12.990	12.928	13.020	BV	302330	3239360	99.07%	5.376%
14	14.861	14.800	14.881	BV	248990	2919609	89.29%	4.845%
15	14.903	14.881	14.947	VB	262444	2914329	89.13%	4.836%
16	16.411	16.348	16.426	BV	215260	2751404	84.15%	4.566%
17	16.444	16.426	16.483	VB	245695	2736459	83.69%	4.541%
18	16.790	16.728	16.837	BB	214235	2586134	79.09%	4.292%
19	18.153	18.110	18.171	BV	191859	2419458	73.99%	4.015%
20	18.194	18.171	18.238	VB	209730	2589389	79.19%	4.297%
21	18.409	18.345	18.440	BB	205729	2560654	78.31%	4.249%
Sum of corrected areas:							60260040	

Aromatic EPH 071525.M Thu Jul 17 07:39:55 2025

Continuing Calibration Report for SequenceID : FD071625AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049566.D

Aromatic C10-C12	5768561.000	40.000	4.425	6.169	144214.025	137773.911	-4.674
Aromatic C12-C16	9609520.000	60.000	6.170	8.797	160158.667	156307.806	-2.464
Aromatic C16-C21	13064098.000	80.000	8.798	13.086	163301.225	161283.467	-1.251
Aromatic C21-C36	25127041.000	180.000	13.087	18.506	139594.672	140022.851	0.306
Aromatic EPH	53569220.000	360.000	4.425	18.506	148803.389	147211.709	-1.081

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	17 Jul 2025 06:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049566.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.425	6.169	5768561.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.797	9609520.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.086	13064098.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.506	25127041.000	180.000	ug/ml
Aromatic EPH	4.425	18.506	53569220.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049566.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 06:04
 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: sample.E
 Quant Time: Jul 17 07:20:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.735	2801117	21.410 ug/ml
Spiked Amount 50.000		Recovery =	42.82%
6) S 2-Fluorobiphenyl (SURR)	8.600	1990347	21.479 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.96%
11) S ortho-Terphenyl (SURR)	11.644	3352470	20.446 ug/ml
Spiked Amount 50.000		Recovery =	40.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.530	2723654	21.083 ug/ml
2) T Naphthalene (C11.7)	6.073	3044907	20.804 ug/ml
3) T 2-Methylnaphthalene (...)	7.125	3065939	20.189 ug/ml
5) T Acenaphthylene (C15.06)	8.404	3307094	20.834 ug/ml
7) T Acenaphthene (C15.5)	8.700	3236487	20.442 ug/ml
8) T Flouorene (C16.55)	9.480	3352346	20.986 ug/ml
9) T Phenanthrene (C19.36)	10.878	3350596	20.455 ug/ml
10) T Anthracene (C19.43)	10.952	3078637	19.327 ug/ml
12) T Fluoranthene (C21.85)	12.691	3294082	20.266 ug/ml
13) T Pyrene (C20.8)	12.989	3282519	20.226 ug/ml
14) T Benzo[a]anthracene (C...	14.860	2944818	20.108 ug/ml
15) T Chrysene (C27.41)	14.903	2941934	19.768 ug/ml
16) T benzo[b]fluoranthene ...	16.411	2790530	19.695 ug/ml
17) T Bnezo[k]fluoranthene ...	16.443	2782764	20.816 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.788	2628810	19.094 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.153	2477095	19.778 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	2645945	20.084 ug/ml
21) T Benzo[g,h,i]perylene ...	18.408	2621063	19.805 ug/ml

(f)=RT Delta > 1/2 Window

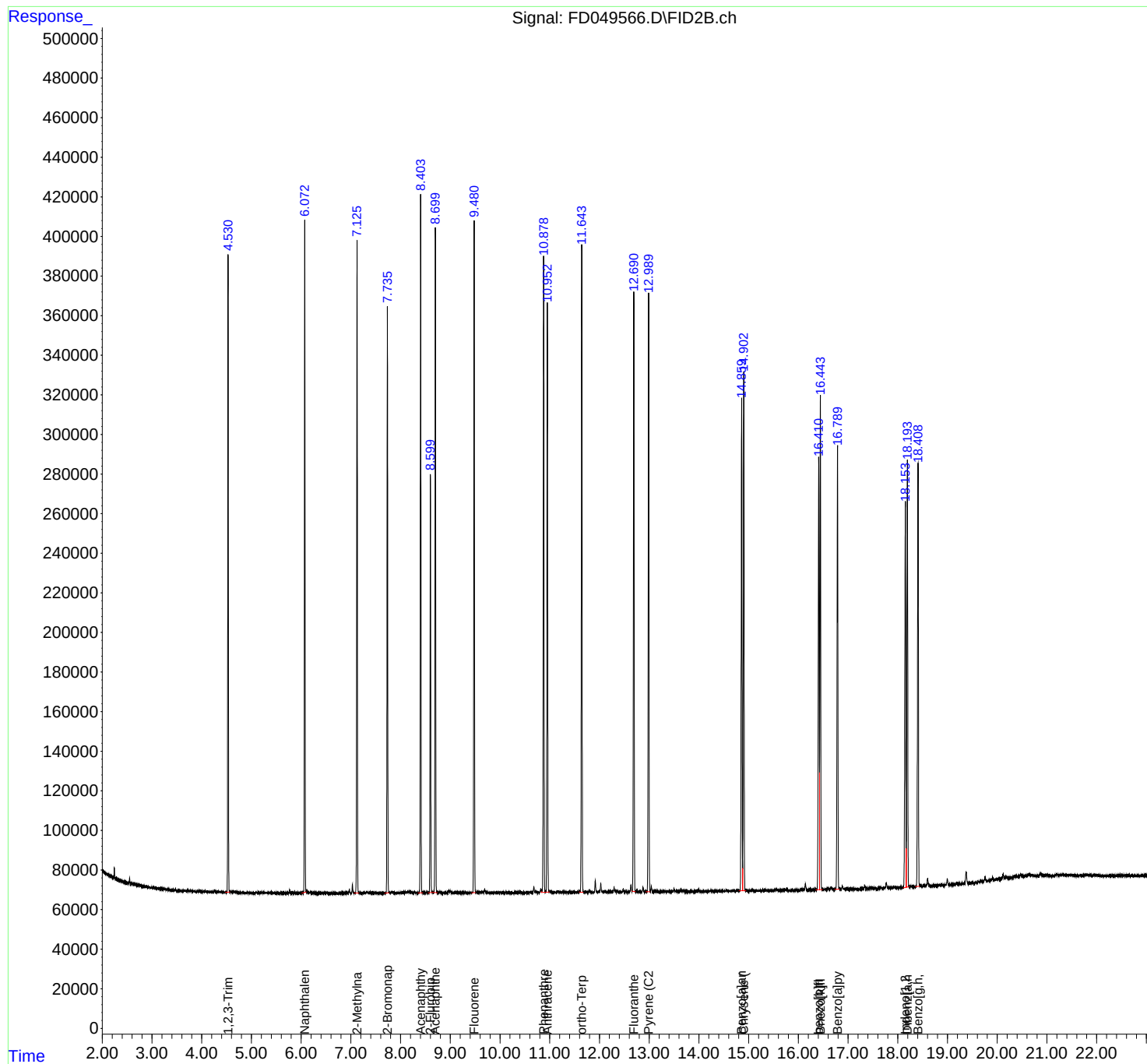
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049566.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 06:04
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: sample.E
Quant Time: Jul 17 07:20:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049566.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 06:04
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 071525.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	4.530	4.477	4.572	BB	321741	2723654	81.24%	4.413%
2	6.073	6.014	6.107	BB	339474	3044907	90.83%	4.934%
3	7.125	7.067	7.160	BB	329436	3065939	91.45%	4.968%
4	7.735	7.677	7.770	BB	296209	2801117	83.55%	4.539%
5	8.404	8.349	8.449	BB	352457	3307094	98.65%	5.359%
6	8.600	8.554	8.632	BB	210771	1990347	59.37%	3.225%
7	8.700	8.642	8.742	BB	336798	3236487	96.54%	5.244%
8	9.480	9.429	9.509	BB	339695	3352346	100.00%	5.432%
9	10.878	10.830	10.920	VV	321336	3350596	99.94%	5.429%
10	10.952	10.920	10.999	PB	297784	3078637	91.83%	4.989%
11	11.644	11.587	11.679	BB	327361	3352470	100.00%	5.432%
12	12.691	12.650	12.729	BB	302912	3294082	98.26%	5.338%
13	12.989	12.934	13.017	BV	302697	3282519	97.91%	5.319%
14	14.860	14.807	14.880	BV	247615	2944818	87.84%	4.772%
15	14.903	14.880	14.947	VB	262824	2941934	87.75%	4.767%
16	16.411	16.350	16.426	BV	218301	2790530	83.24%	4.522%
17	16.443	16.426	16.484	VB	249344	2782764	83.01%	4.509%
18	16.788	16.727	16.822	BB	224252	2628810	78.41%	4.260%
19	18.153	18.110	18.170	BV	195457	2477095	73.89%	4.014%
20	18.194	18.170	18.230	VB	215713	2645945	78.93%	4.287%
21	18.408	18.349	18.440	BB	213653	2621063	78.18%	4.247%
Sum of corrected areas:							61713154	

Aromatic EPH 071525.M Thu Jul 17 07:43:48 2025

Continuing Calibration Report for SequenceID : FD071725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049569.D

Aromatic C10-C12	5740395.000	40.000	4.430	6.172	143509.875	137773.911	-4.163
Aromatic C12-C16	9483258.000	60.000	6.173	8.799	158054.300	156307.806	-1.117
Aromatic C16-C21	12984701.000	80.000	8.800	13.090	162308.763	161283.467	-0.636
Aromatic C21-C36	25300563.000	180.000	13.091	18.508	140558.683	140022.851	-0.383
Aromatic EPH	53508917.000	360.000	4.430	18.508	148635.881	147211.709	-0.967

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	17 Jul 2025 08:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049569.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.430	6.172	5740395.000	40.000	ug/ml
Aromatic C12-C16	6.173	8.799	9483258.000	60.000	ug/ml
Aromatic C16-C21	8.800	13.090	12984701.000	80.000	ug/ml
Aromatic C21-C36	13.091	18.508	25300563.000	180.000	ug/ml
Aromatic EPH	4.430	18.508	53508917.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049569.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 08:56
 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: Jul 17 11:54:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.734	2761028	21.103 ug/ml
Spiked Amount 50.000		Recovery =	42.21%
6) S 2-Fluorobiphenyl (SURR)	8.600	1968926	21.248 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.50%
11) S ortho-Terphenyl (SURR)	11.643	3314732	20.216 ug/ml
Spiked Amount 50.000		Recovery =	40.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.530	2718777	21.045 ug/ml
2) T Naphthalene (C11.7)	6.072	3021618	20.645 ug/ml
3) T 2-Methylnaphthalene (...)	7.125	3027569	19.936 ug/ml
5) T Acenaphthylene (C15.06)	8.403	3265547	20.573 ug/ml
7) T Acenaphthene (C15.5)	8.699	3190142	20.149 ug/ml
8) T Flouorene (C16.55)	9.480	3305270	20.691 ug/ml
9) T Phenanthrene (C19.36)	10.878	3328135	20.318 ug/ml
10) T Anthracene (C19.43)	10.952	3056549	19.188 ug/ml
12) T Fluoranthene (C21.85)	12.691	3300601	20.306 ug/ml
13) T Pyrene (C20.8)	12.990	3294747	20.301 ug/ml
14) T Benzo[a]anthracene (C...	14.860	2971371	20.289 ug/ml
15) T Chrysene (C27.41)	14.903	2968354	19.945 ug/ml
16) T benzo[b]fluoranthene ...	16.410	2812464	19.849 ug/ml
17) T Bnezo[k]fluoranthene ...	16.443	2804134	20.976 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.788	2650034	19.248 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.152	2491036	19.889 ug/ml
20) T Dibenz[a,h]anthracene...	18.193	2664171	20.223 ug/ml
21) T Benzo[g,h,i]perylene ...	18.408	2638398	19.936 ug/ml

(f)=RT Delta > 1/2 Window

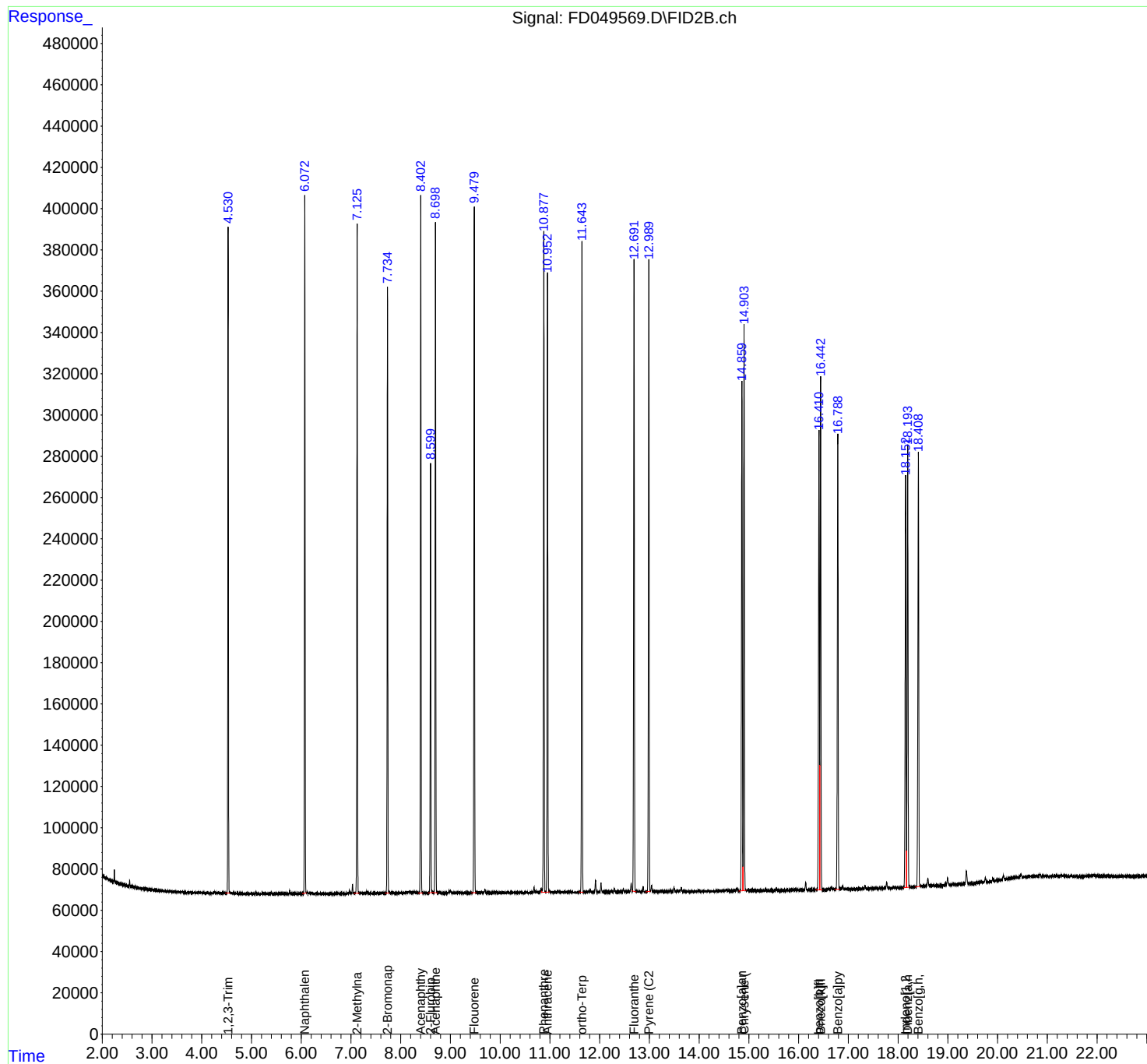
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
Data File : FD049569.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 08:56
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: Jul 17 11:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049569.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 08:56
 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 071525.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	4.530	4.477	4.564	BB	322531	2718777	81.69%	4.417%
2	6.072	6.027	6.104	BB	337325	3021618	90.79%	4.909%
3	7.125	7.062	7.170	BB	324593	3027569	90.97%	4.919%
4	7.734	7.680	7.769	BB	293901	2761028	82.96%	4.486%
5	8.403	8.355	8.450	BB	337654	3265547	98.12%	5.305%
6	8.600	8.545	8.645	BB	207316	1968926	59.16%	3.199%
7	8.699	8.645	8.744	BB	324951	3190142	95.85%	5.183%
8	9.480	9.424	9.515	BB	332830	3305270	99.31%	5.370%
9	10.878	10.831	10.919	VV	321382	3328135	100.00%	5.407%
10	10.952	10.919	10.994	PB	299822	3056549	91.84%	4.966%
11	11.643	11.589	11.674	BB	314567	3314732	99.60%	5.385%
12	12.691	12.650	12.734	BB	305985	3300601	99.17%	5.362%
13	12.990	12.927	13.022	BV	307064	3294747	99.00%	5.353%
14	14.860	14.799	14.880	BV	246993	2971371	89.28%	4.827%
15	14.903	14.880	14.947	VB	274537	2968354	89.19%	4.822%
16	16.410	16.342	16.426	BV	222511	2812464	84.51%	4.569%
17	16.443	16.426	16.482	VB	248969	2804134	84.26%	4.556%
18	16.788	16.725	16.829	BB	220390	2650034	79.63%	4.305%
19	18.152	18.110	18.170	BV	199729	2491036	74.85%	4.047%
20	18.193	18.170	18.235	VB	214647	2664171	80.05%	4.328%
21	18.408	18.344	18.444	BB	210784	2638398	79.28%	4.286%
Sum of corrected areas:						61553604		

Aromatic EPH 071525.M Thu Jul 17 11:57:22 2025

Continuing Calibration Report for SequenceID : FD071725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049576.D

Aromatic C10-C12	5912578.000	40.000	4.430	6.172	147814.450	137773.911	-7.288
Aromatic C12-C16	9954029.000	60.000	6.173	8.799	165900.483	156307.806	-6.137
Aromatic C16-C21	13574205.000	80.000	8.800	13.090	169677.563	161283.467	-5.205
Aromatic C21-C36	26138197.000	180.000	13.091	18.508	145212.206	140022.851	-3.706
Aromatic EPH	55579009.000	360.000	4.430	18.508	154386.136	147211.709	-4.874

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	17 Jul 2025 14:55
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049576.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.430	6.172	5912578.000	40.000	ug/ml
Aromatic C12-C16	6.173	8.799	9954029.000	60.000	ug/ml
Aromatic C16-C21	8.800	13.090	13574205.000	80.000	ug/ml
Aromatic C21-C36	13.091	18.508	26138197.000	180.000	ug/ml
Aromatic EPH	4.430	18.508	55579009.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049576.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 14:55
 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: Jul 18 00:17:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	2905780	22.210 ug/ml
Spiked Amount 50.000		Recovery =	44.42%
6) S 2-Fluorobiphenyl (SURR)	8.598	2076402	22.408 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.82%
11) S ortho-Terphenyl (SURR)	11.643	3479678	21.222 ug/ml
Spiked Amount 50.000		Recovery =	42.44%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.526	2783491	21.546 ug/ml
2) T Naphthalene (C11.7)	6.069	3129087	21.380 ug/ml
3) T 2-Methylnaphthalene (...)	7.123	3161479	20.818 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3432223	21.623 ug/ml
7) T Acenaphthene (C15.5)	8.697	3360327	21.224 ug/ml
8) T Flouorene (C16.55)	9.479	3494369	21.875 ug/ml
9) T Phenanthrene (C19.36)	10.877	3489150	21.301 ug/ml
10) T Anthracene (C19.43)	10.951	3182151	19.977 ug/ml
12) T Fluoranthene (C21.85)	12.690	3420350	21.043 ug/ml
13) T Pyrene (C20.8)	12.988	3408535	21.003 ug/ml
14) T Benzo[a]anthracene (C...	14.860	3082427	21.048 ug/ml
15) T Chrysene (C27.41)	14.903	3082199	20.710 ug/ml
16) T benzo[b]fluoranthene ...	16.410	2924748	20.642 ug/ml
17) T Bnezo[k]fluoranthene ...	16.443	2908526	21.757 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.788	2741161	19.910 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.152	2552858	20.383 ug/ml
20) T Dibenz[a,h]anthracene...	18.193	2732898	20.744 ug/ml
21) T Benzo[g,h,i]perylene ...	18.408	2693030	20.349 ug/ml

(f)=RT Delta > 1/2 Window

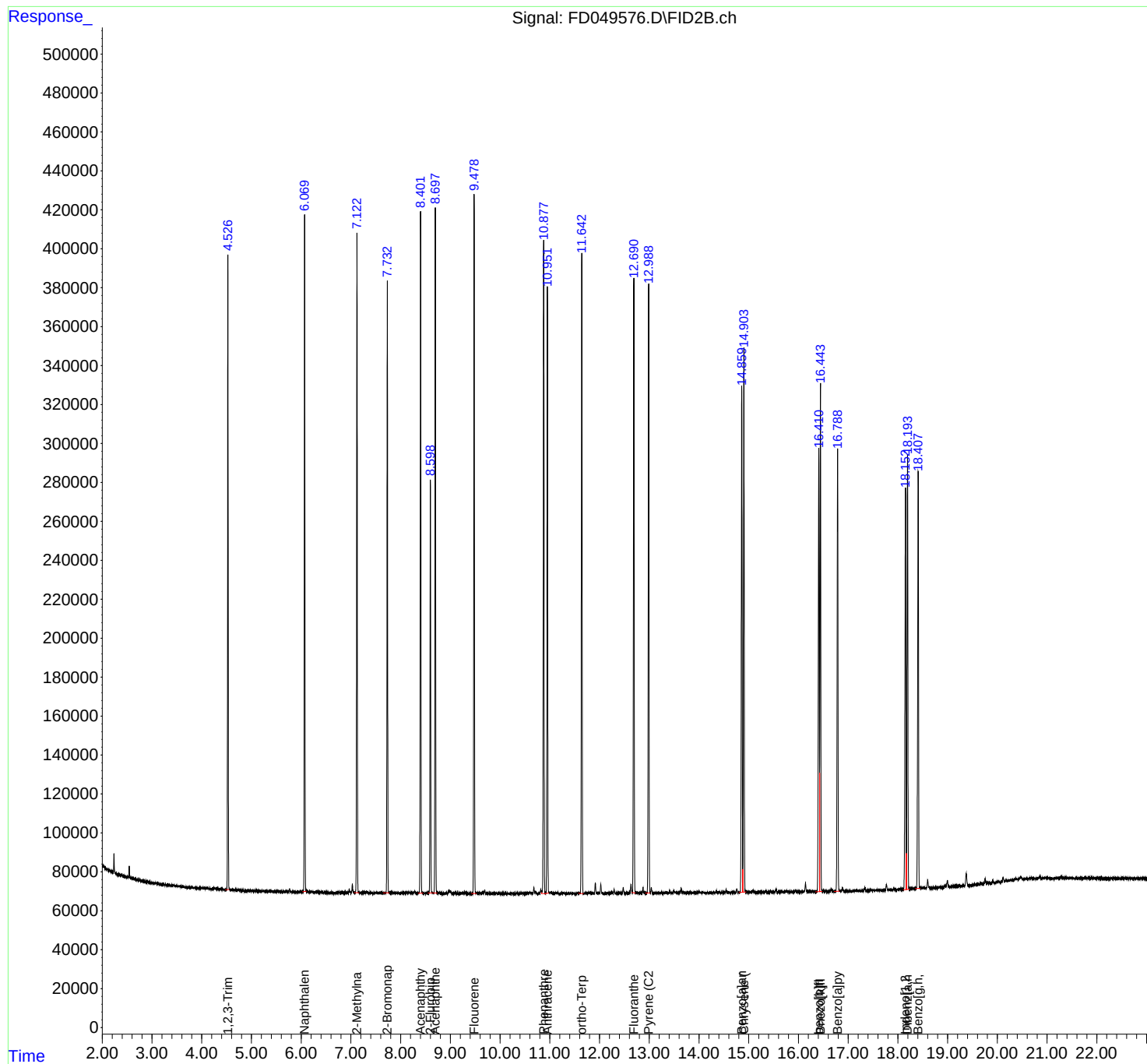
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
Data File : FD049576.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 14:55
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: Jul 18 00:17:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049576.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 14:55
 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 071525.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	4.526	4.477	4.554	BB	325427	2783491	79.66%	4.346%
2	6.070	6.020	6.107	BV	346813	3129087	89.55%	4.886%
3	7.123	7.060	7.164	BB	337452	3161479	90.47%	4.937%
4	7.733	7.644	7.774	BB	313431	2905780	83.16%	4.537%
5	8.401	8.349	8.452	BB	350451	3432223	98.22%	5.359%
6	8.598	8.545	8.642	BB	211986	2076402	59.42%	3.242%
7	8.697	8.644	8.739	BB	352499	3360327	96.16%	5.247%
8	9.479	9.427	9.527	BB	358444	3494369	100.00%	5.456%
9	10.877	10.832	10.919	VV	335054	3489150	99.85%	5.448%
10	10.951	10.919	10.984	PB	311305	3182151	91.07%	4.969%
11	11.643	11.579	11.677	BB	329009	3479678	99.58%	5.434%
12	12.690	12.650	12.725	BB	315803	3420350	97.88%	5.341%
13	12.988	12.927	13.022	BV	313156	3408535	97.54%	5.322%
14	14.860	14.799	14.880	BV	259070	3082427	88.21%	4.813%
15	14.903	14.880	14.947	VB	280161	3082199	88.20%	4.813%
16	16.410	16.339	16.426	BV	227273	2924748	83.70%	4.567%
17	16.443	16.426	16.482	VB	261213	2908526	83.23%	4.542%
18	16.788	16.724	16.830	BB	227194	2741161	78.45%	4.280%
19	18.152	18.110	18.170	BV	205473	2552858	73.06%	3.986%
20	18.193	18.170	18.232	VB	223313	2732898	78.21%	4.267%
21	18.408	18.349	18.447	BV	214639	2693030	77.07%	4.205%
Sum of corrected areas:							64040866	

Aromatic EPH 071525.M Fri Jul 18 00:39:00 2025



QC SAMPLE DATA

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	PB168877BL		SDG No.:	Q2600	
Lab Sample ID:	PB168877BL		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
07/16/25 09:25	07/17/25 1:00	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FC069470.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC069470.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC069470.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC069470.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069470.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049560.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049560.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049560.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.66	mg/kg	FD049560.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.00	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168877BL	SDG No.:	Q2600
Lab Sample ID:	PB168877BL	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
FC069470.D	1	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168877BL	Acq On:	17 Jul 2025 01:00
Client Sample ID:	PB168877BL	Operator:	YP/AJ
Data file:	FC069470.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	3.297	6.597	0	0	300	ug/ml
Aliphatic C12-C16	6.598	10.000	0	0	200	ug/ml
Aliphatic C16-C21	10.001	13.371	0	0	300	ug/ml
Aliphatic C21-C28	13.372	17.037	0	0	400	ug/ml
Aliphatic C28-C40	17.038	22.012	0	0	600	ug/ml
Aliphatic EPH	3.297	22.012	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	3785389	33.5		ug/ml
Aliphatic C9-C28	3.297	17.037	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069470.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 01:00
Operator : YP/AJ
Sample : PB168877BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168877BL

Integration File: sample.E
Quant Time: Jul 17 06:52:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.106	3785389	33.496 ug/ml
Spiked Amount 50.000		Recovery =	66.99%

Target Compounds

(f)=RT Delta > 1/2 Window

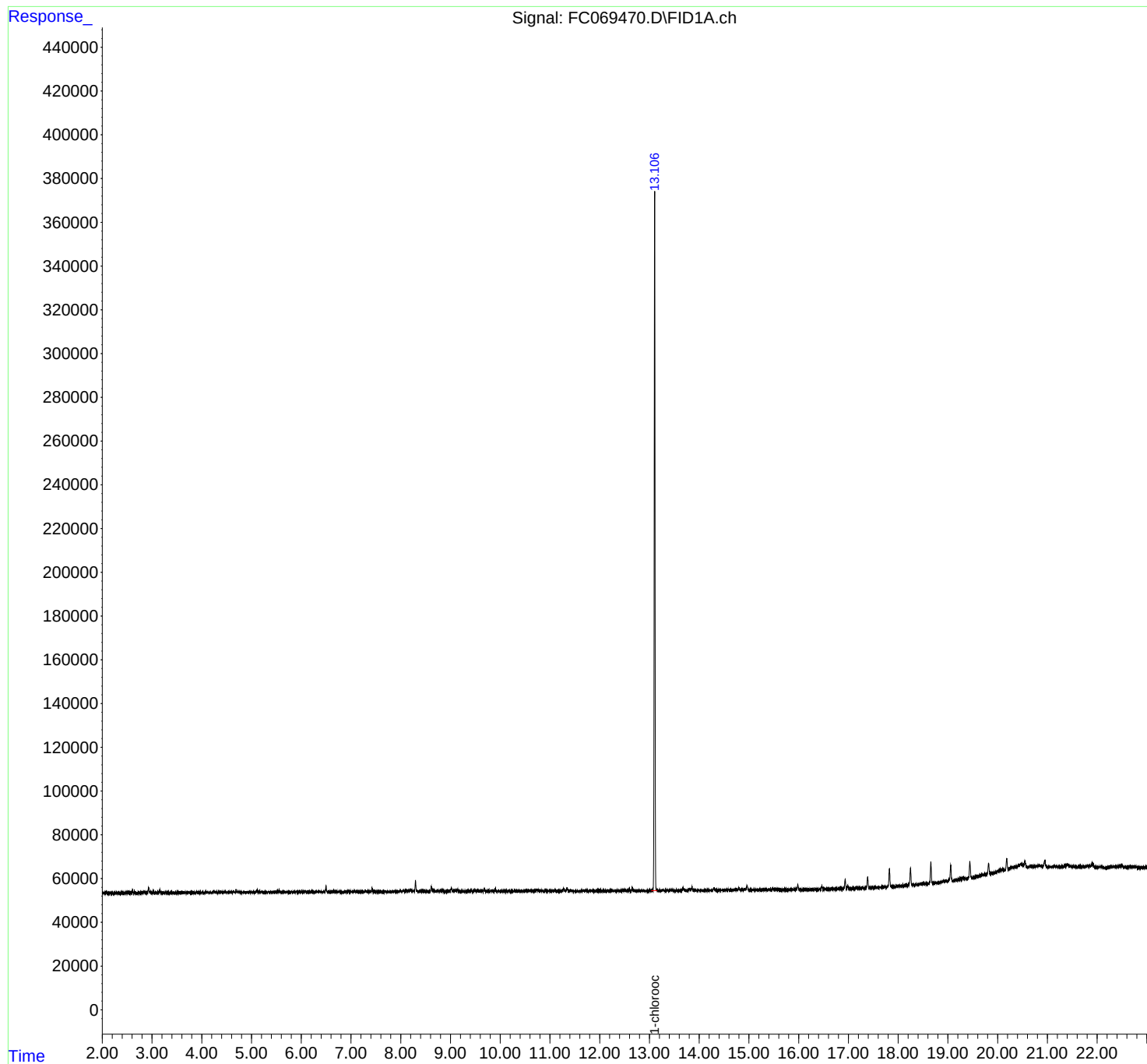
(m)=manual int.

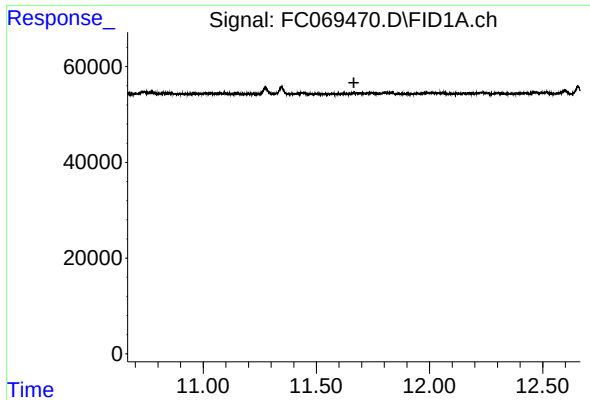
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069470.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 01:00
Operator : YP/AJ
Sample : PB168877BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168877BL

Integration File: sample.E
Quant Time: Jul 17 06:52:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

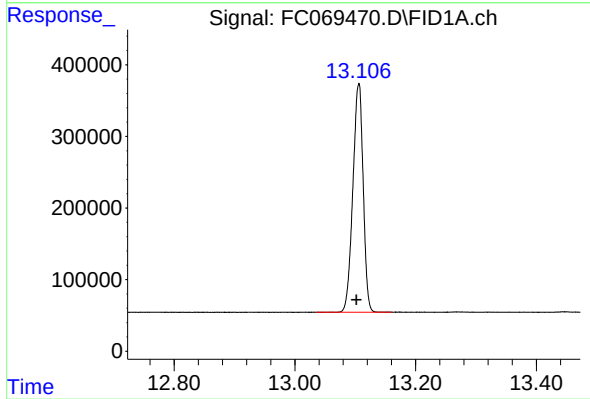




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.666 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB168877BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.106 min
Delta R.T.: 0.004 min
Response: 3785389
Conc: 33.50 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069470.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 01:00
Sample : PB168877BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	13.106	13.035	13.160	BB	318559	3785389	100.00%	100.000%
Sum of corrected areas:							3785389	

Aliphatic EPH 071525.M Thu Jul 17 07:54:43 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168877BL	SDG No.:	Q2600
Lab Sample ID:	PB168877BL	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
FD049560.D	1	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.9		40 - 140	130%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	65.1		40 - 140	130%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.2		40 - 140	112%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168877BL	Acq On:	17 Jul 2025 01:00
Client Sample ID:	PB168877BL	Operator:	YP/AJ
Data file:	FD049560.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	4.425	6.169	0	0	200	ug/ml
Aromatic C12-C16	6.170	8.797	0	0	300	ug/ml
Aromatic C16-C21	8.798	13.086	0	0	500	ug/ml
Aromatic C21-C36	13.087	18.506	0	0	800	ug/ml
Aromatic EPH	4.425	18.506	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.738	7.738	8493531	64.92		ug/ml
2-Fluorobiphenyl (SURRE)	8.604	8.604	6029234	65.07		ug/ml
ortho-Terphenyl (SURRE)	11.648	11.648	9221061	56.24		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049560.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 01:00
 Operator : YP/AJ
 Sample : PB168877BL
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168877BL

Integration File: sample.E
 Quant Time: Jul 17 07:18:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.738	8493531	64.918 ug/ml
Spiked Amount 50.000		Recovery =	129.84%
6) S 2-Fluorobiphenyl (SURR)	8.604	6029234	65.066 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	130.13%
11) S ortho-Terphenyl (SURR)	11.648	9221061	56.237 ug/ml
Spiked Amount 50.000		Recovery =	112.47%

Target Compounds

(f)=RT Delta > 1/2 Window

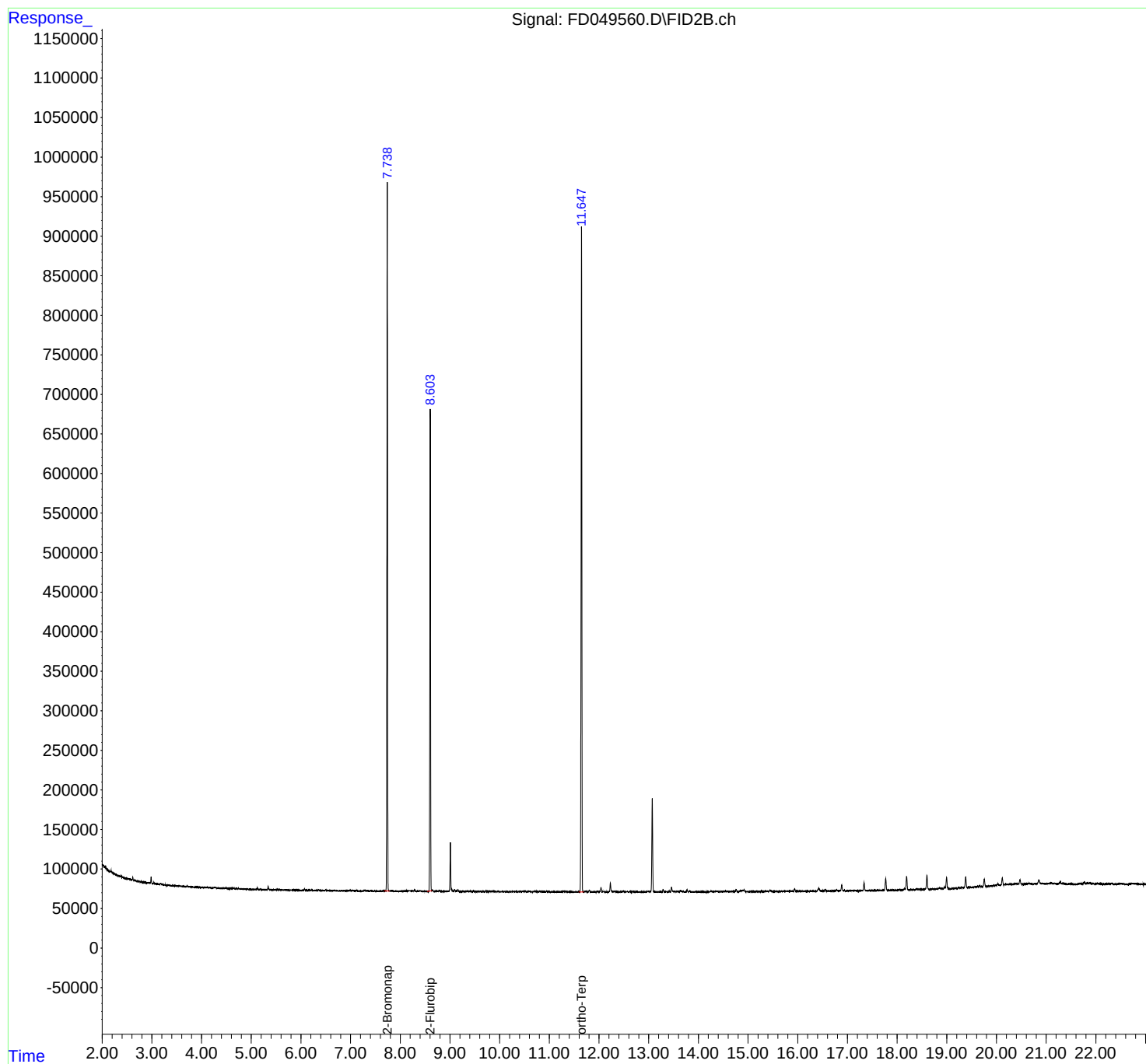
(m)=manual int.

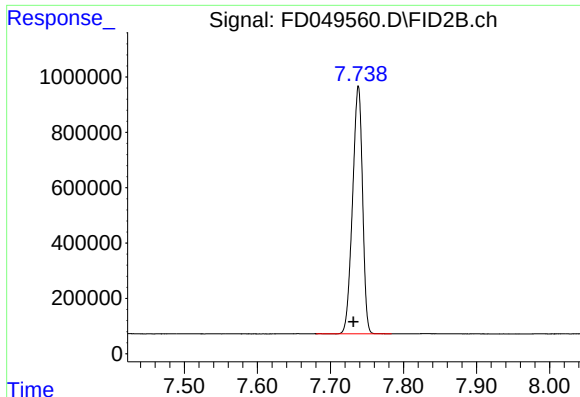
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049560.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 01:00
Operator : YP/AJ
Sample : PB168877BL
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168877BL

Integration File: sample.E
Quant Time: Jul 17 07:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

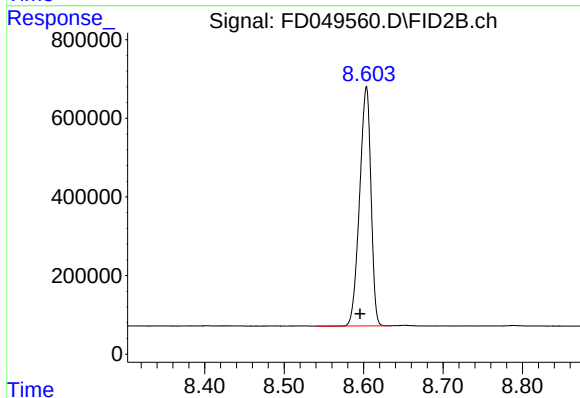




#4 2-Bromonaphthalene (SURR)

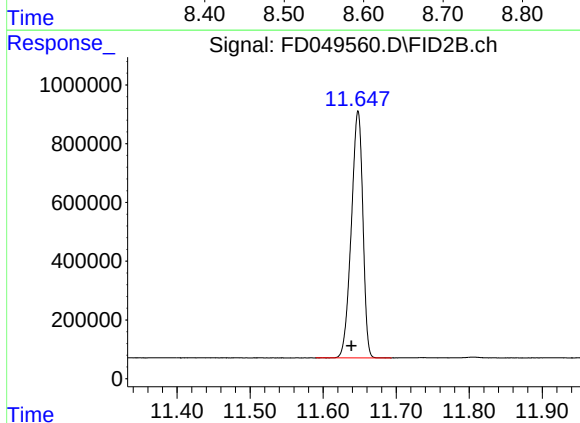
R.T.: 7.738 min
Delta R.T.: 0.007 min
Response: 8493531
Conc: 64.92 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168877BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.604 min
Delta R.T.: 0.008 min
Response: 6029234
Conc: 65.07 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: 0.009 min
Response: 9221061
Conc: 56.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049560.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 01:00
Sample : PB168877BL
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	7.738	7.680	7.784	BB	897024	8493531	92.11%	35.772%
2	8.604	8.540	8.635	BV	609787	6029234	65.39%	25.393%
3	11.648	11.590	11.694	BB	841052	9221061	100.00%	38.836%
Sum of corrected areas:							23743827	

Aromatic EPH 071525.M Thu Jul 17 07:40:34 2025

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	PB168877BS		SDG No.:	Q2600	
Lab Sample ID:	PB168877BS		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
07/16/25 09:25	07/17/25 1:45	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.57		1	0.14	1.00	mg/kg	FC069471.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.11	0.67	mg/kg	FC069471.D
Aliphatic C16-C21	Aliphatic C16-C21	9.66		1	0.13	1.00	mg/kg	FC069471.D
Aliphatic C21-C28	Aliphatic C21-C28	13.5		1	0.53	1.33	mg/kg	FC069471.D
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.18	2.00	mg/kg	FC069471.D
Aromatic C10-C12	Aromatic C10-C12	5.00		1	0.12	0.67	mg/kg	FD049561.D
Aromatic C12-C16	Aromatic C12-C16	8.39		1	0.23	1.00	mg/kg	FD049561.D
Aromatic C16-C21	Aromatic C16-C21	15.2		1	0.40	1.67	mg/kg	FD049561.D
Aromatic C21-C36	Aromatic C21-C36	25.2		1	1.19	2.66	mg/kg	FD049561.D
Total AliphaticEPH	Total AliphaticEPH	58.1			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	53.8			1.94	6.00	mg/kg	
Total EPH	Total EPH	112			4.03	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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168877BS	SDG No.:	Q2600
Lab Sample ID:	PB168877BS	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
FC069471.D	1	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.57		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.66		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.5		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168877BS	Acq On:	17 Jul 2025 01:45
Client Sample ID:	PB168877BS	Operator:	YP/AJ
Data file:	FC069471.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	13704332	98.593	300	ug/ml
Aliphatic C12-C16	6.598	10.000	12440906	86.351	200	ug/ml
Aliphatic C16-C21	10.001	13.371	19732604	145.096	300	ug/ml
Aliphatic C21-C28	13.372	17.037	24133656	202.822	400	ug/ml
Aliphatic C28-C40	17.038	22.012	30465111	338.941	600	ug/ml
Aliphatic EPH	3.297	22.012	100476609	871.803		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.108	13.108	5382760	47.63		ug/ml
Aliphatic C9-C28	3.297	17.037	70011498	532.862	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069471.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 01:45
 Operator : YP/AJ
 Sample : PB168877BS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168877BS

Integration File: sample.E
 Quant Time: Jul 17 06:52:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.108	5382760	47.631 ug/ml
Spiked Amount 50.000		Recovery =	95.26%
Target Compounds			
1) T n-Nonane (C9)	3.403	3469616	25.497 ug/ml
2) T n-Decane (C10)	4.476	4625679	33.235 ug/ml
4) T n-Dodecane (C12)	6.501	5609037	39.574 ug/ml
6) T n-Tetradecane (C14)	8.301	6125098	43.079 ug/ml
7) T n-Hexadecane (C16)	9.905	6315808	43.270 ug/ml
8) T n-Octadecane (C18)	11.349	6400892	44.498 ug/ml
10) T n-Eicosane (C20)	12.662	6818979	50.793 ug/ml
11) T n-Heneicosane (C21)	13.275	6512733	50.140 ug/ml
13) T n-Docosane (C22)	13.862	6425972	50.594 ug/ml
14) T n-Tetracosane (C24)	14.967	6181681	50.648 ug/ml
15) T n-Hexacosane (C26)	15.989	5884999	50.654 ug/ml
16) T n-Octacosane (C28)	16.941	5641004	50.952 ug/ml
17) T n-Tricontane (C30)	17.829	5573874	50.903 ug/ml
18) T n-Dotriacontane (C32)	18.663	5390234	51.944 ug/ml
19) T n-Tetratriacontane (C34)	19.448	5186545	55.042 ug/ml
20) T n-Hexatriacontane (C36)	20.189	4896194	59.277 ug/ml
21) T n-Octatriacontane (C38)	20.954	4790114	63.066 ug/ml
22) T n-Tetracontane (C40)	21.919	4628150	63.184 ug/ml

(f)=RT Delta > 1/2 Window

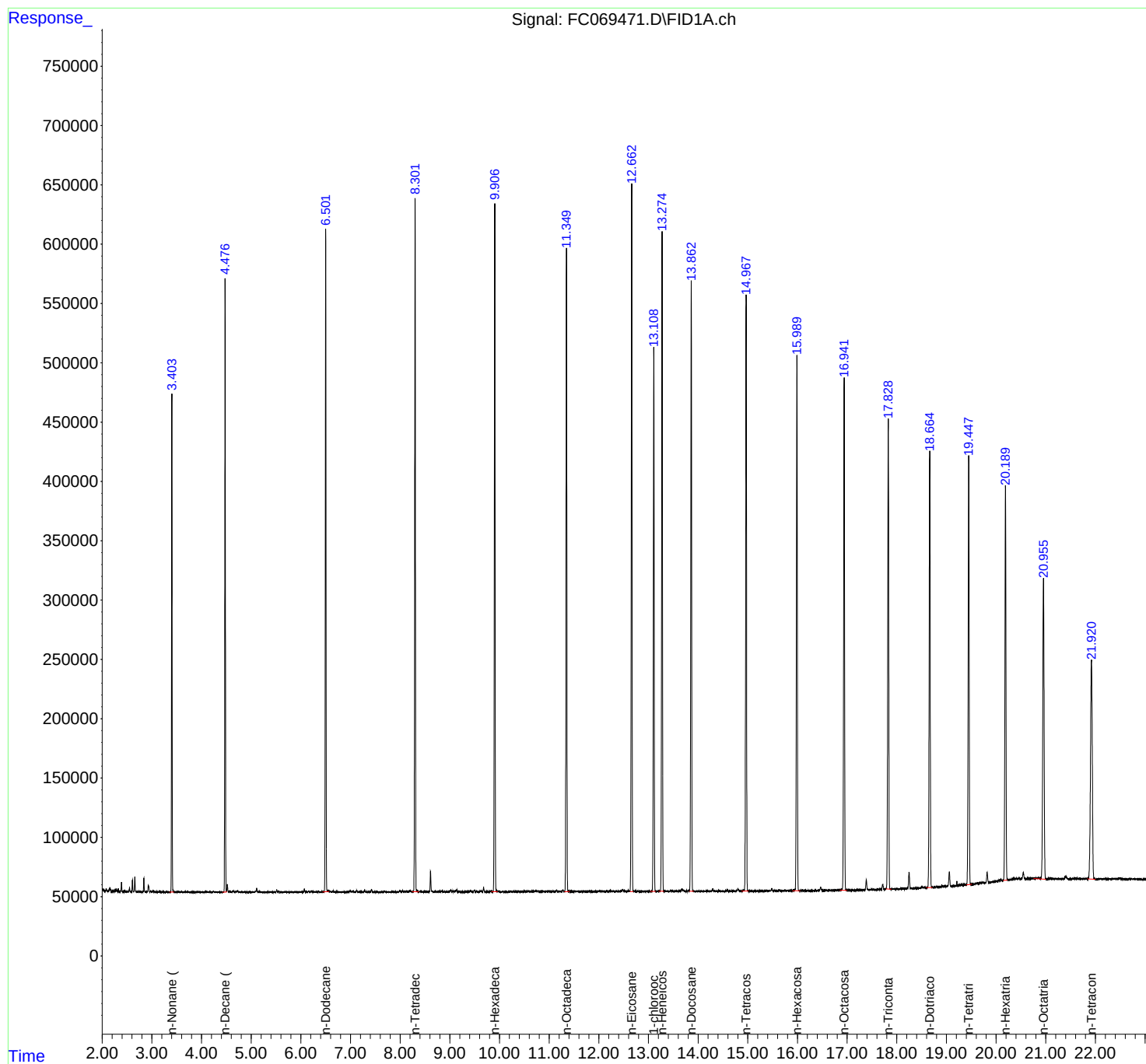
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069471.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 01:45
Operator : YP/AJ
Sample : PB168877BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168877BS

Integration File: sample.E
Quant Time: Jul 17 06:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069471.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 01:45
Sample : PB168877BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.403	3.354	3.449	BB	419718	3469616	50.88%	3.278%
2	4.476	4.420	4.503	BV	517516	4625679	67.84%	4.370%
3	6.501	6.437	6.572	BB	555989	5609037	82.26%	5.299%
4	8.301	8.242	8.374	BV	585257	6125098	89.82%	5.786%
5	9.905	9.842	9.965	BB	577765	6315808	92.62%	5.966%
6	11.349	11.310	11.412	BB	540283	6400892	93.87%	6.047%
7	12.662	12.624	12.699	PB	594957	6818979	100.00%	6.442%
8	13.108	13.037	13.145	BB	456597	5382760	78.94%	5.085%
9	13.275	13.204	13.307	BB	550819	6512733	95.51%	6.152%
10	13.862	13.825	13.909	VB	513429	6425972	94.24%	6.070%
11	14.967	14.879	15.010	BB	503856	6181681	90.65%	5.840%
12	15.989	15.900	16.050	BB	451331	5884999	86.30%	5.559%
13	16.941	16.850	16.995	BB	430285	5641004	82.73%	5.329%
14	17.829	17.780	17.890	BB	395727	5573874	81.74%	5.265%
15	18.663	18.594	18.720	BB	367992	5390234	79.05%	5.092%
16	19.448	19.400	19.509	BB	361318	5186545	76.06%	4.899%
17	20.189	20.140	20.229	BV	332564	4896194	71.80%	4.625%
18	20.954	20.757	21.005	BB	250840	4790114	70.25%	4.525%
19	21.919	21.840	22.002	BB	184271	4628150	67.87%	4.372%
Sum of corrected areas:						105859371		

Aliphatic EPH 071525.M Thu Jul 17 07:55:15 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168877BS	SDG No.:	Q2600
Lab Sample ID:	PB168877BS	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
FD049561.D	1	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.00		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.39		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.2		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.2		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.3		40 - 140	111%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	53.9		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.0		40 - 140	88%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168877BS	Acq On:	17 Jul 2025 01:45
Client Sample ID:	PB168877BS	Operator:	YP/AJ
Data file:	FD049561.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	4.425	6.169	10345464	75.09	200	ug/ml
Aromatic C12-C16	6.170	8.797	19695839	126.007	300	ug/ml
Aromatic C16-C21	8.798	13.086	36803658	228.192	500	ug/ml
Aromatic C21-C36	13.087	18.506	53012491	378.599	800	ug/ml
Aromatic EPH	4.425	18.506	119857452	807.888		ug/ml
2-Bromonaphthalene (SURRE)	7.738	7.738	7234702	55.3		ug/ml
2-Fluorobiphenyl (SURRE)	8.604	8.604	4998441	53.94		ug/ml
ortho-Terphenyl (SURRE)	11.647	11.647	7219699	44.03		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049561.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 01:45
 Operator : YP/AJ
 Sample : PB168877BS
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168877BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 07:19:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.738	7234702	55.297 ug/ml
Spiked Amount 50.000		Recovery =	110.59%
6) S 2-Fluorobiphenyl (SURR)	8.604	4998441	53.942 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	107.88%
11) S ortho-Terphenyl (SURR)	11.647	7219699	44.031 ug/ml
Spiked Amount 50.000		Recovery =	88.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.531	4567506	35.355 ug/ml
2) T Naphthalene (C11.7)	6.074	5777958	39.478 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	5769419	37.991 ug/ml
5) T Acenaphthylene (C15.06)	8.406	6911280	43.540 ug/ml
7) T Acenaphthene (C15.5)	8.703	7015140	44.308 ug/ml
8) T Flouorene (C16.55)	9.484	7437756	46.560 ug/ml
9) T Phenanthrene (C19.36)	10.883	7535429	46.003 ug/ml
10) T Anthracene (C19.43)	10.958	6917077	43.424 ug/ml
12) T Fluoranthene (C21.85)	12.698	7503435	46.163 ug/ml
13) T Pyrene (C20.8)	12.996	7409961	45.659 ug/ml
14) T Benzo[a]anthracene (C...	14.868	7004346	47.827 ug/ml
15) T Chrysene (C27.41)	14.913	7566108	50.839 ug/ml
16) T benzo[b]fluoranthene ...	16.420	6760709	47.715 ug/ml
17) T Bnezo[k]fluoranthene ...	16.455	6592165	49.312 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.799	6342555	46.067 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.166	6612996	52.800 ug/ml
20) T Dibenz[a,h]anthracene...	18.203	6030764	45.777 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.422	5996473	45.310 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049561.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 01:45
Operator : YP/AJ
Sample : PB168877BS
Misc :
ALS Vial : 71 Sample Multiplier: 1

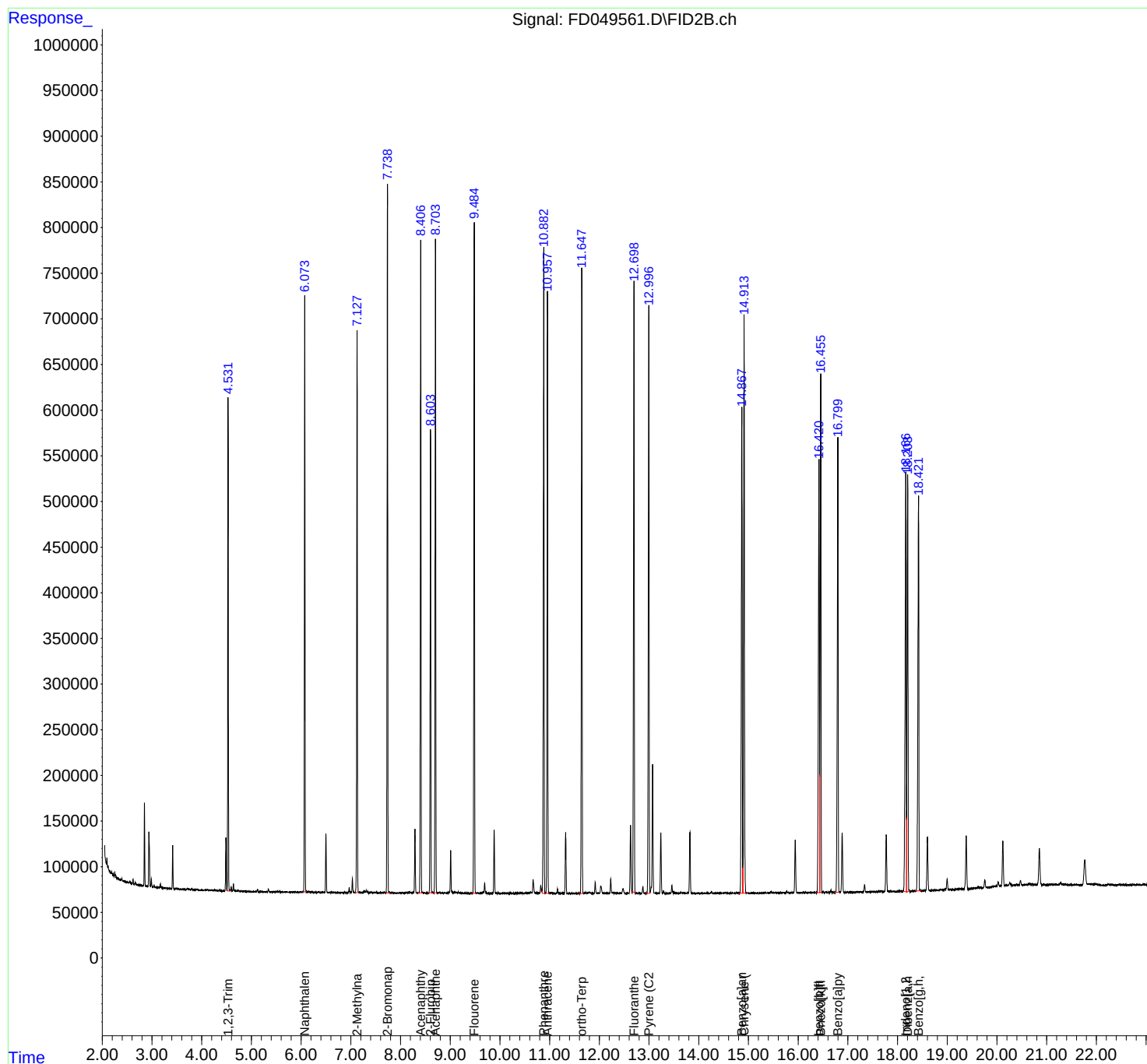
Instrument :
FID_D
ClientSampleId :
PB168877BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 07:19:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_D

ClientSampleId :

PB168877BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD07162
Data File : FD049561.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 01:45
Sample : PB168877BS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.531	4.508	4.575	VV	539839	4567506	60.37%	3.279%
2	6.074	6.022	6.107	BB	653033	5777958	76.37%	4.148%
3	7.127	7.072	7.162	BB	615472	5769419	76.25%	4.141%
4	7.738	7.699	7.787	BB	777936	7234702	95.62%	5.193%
5	8.407	8.344	8.450	BB	716356	6911280	91.35%	4.961%
6	8.604	8.542	8.635	BB	507441	4998441	66.06%	3.588%
7	8.703	8.647	8.740	BB	716935	7015140	92.72%	5.036%
8	9.484	9.419	9.529	BB	733907	7437756	98.30%	5.339%
9	10.883	10.851	10.922	VV	705795	7535429	99.59%	5.409%
10	10.958	10.922	11.005	VB	658554	6917077	91.42%	4.965%
11	11.647	11.587	11.687	BB	684492	7219699	95.42%	5.182%
12	12.698	12.650	12.727	BB	666586	7503435	99.17%	5.386%
13	12.996	12.927	13.020	BV	642598	7409961	97.94%	5.319%
14	14.868	14.800	14.887	BV	532960	7004346	92.58%	5.028%
15	14.913	14.887	14.964	VB	631089	7566108	100.00%	5.431%
16	16.420	16.345	16.434	BV	475595	6760709	89.36%	4.853%
17	16.455	16.434	16.479	VV	567762	6631091	87.64%	4.760%
18	16.799	16.725	16.829	BB	496660	6342555	83.83%	4.553%
19	18.166	18.110	18.180	BV	459597	6612996	87.40%	4.747%
20	18.204	18.180	18.250	VV	457429	6098213	80.60%	4.377%
21	18.422	18.354	18.480	BB	432903	5996473	79.25%	4.304%
Sum of corrected areas:						139310293		

Aromatic EPH 071525.M Thu Jul 17 07:41:29 2025

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	PB168877BSD		SDG No.:	Q2600	
Lab Sample ID:	PB168877BSD		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
07/16/25 09:25	07/17/25 2:29	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.46		1	0.14	1.00	mg/kg	FC069472.D
Aliphatic C12-C16	Aliphatic C12-C16	5.69		1	0.11	0.67	mg/kg	FC069472.D
Aliphatic C16-C21	Aliphatic C16-C21	9.60		1	0.13	1.00	mg/kg	FC069472.D
Aliphatic C21-C28	Aliphatic C21-C28	13.3		1	0.53	1.33	mg/kg	FC069472.D
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1	1.18	2.00	mg/kg	FC069472.D
Aromatic C10-C12	Aromatic C10-C12	4.79		1	0.12	0.67	mg/kg	FD049562.D
Aromatic C12-C16	Aromatic C12-C16	8.04		1	0.23	1.00	mg/kg	FD049562.D
Aromatic C16-C21	Aromatic C16-C21	14.5		1	0.40	1.67	mg/kg	FD049562.D
Aromatic C21-C36	Aromatic C21-C36	24.2		1	1.19	2.66	mg/kg	FD049562.D
Total AliphaticEPH	Total AliphaticEPH	57.0			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	51.5			1.94	6.00	mg/kg	
Total EPH	Total EPH	108			4.03	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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168877BSD	SDG No.:	Q2600
Lab Sample ID:	PB168877BSD	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
FC069472.D	1	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.46		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.69		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.60		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.3		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.8		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168877BSD	Acq On:	17 Jul 2025 02:29
Client Sample ID:	PB168877BSD	Operator:	YP/AJ
Data file:	FC069472.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	3.297	6.597	13487487	97.033	300	ug/ml
Aliphatic C12-C16	6.598	10.000	12309781	85.441	200	ug/ml
Aliphatic C16-C21	10.001	13.371	19595954	144.091	300	ug/ml
Aliphatic C21-C28	13.372	17.037	23782075	199.868	400	ug/ml
Aliphatic C28-C40	17.038	22.012	29482416	328.008	600	ug/ml
Aliphatic EPH	3.297	22.012	98657713	854.441		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.108	13.108	5516499	48.81		ug/ml
Aliphatic C9-C28	3.297	17.037	69175297	526.433	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069472.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 02:29
 Operator : YP/AJ
 Sample : PB168877BSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168877BSD

Integration File: sample.E
 Quant Time: Jul 17 06:52:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.108	5516499	48.814 ug/ml
Spiked Amount 50.000		Recovery =	97.63%
Target Compounds			
1) T n-Nonane (C9)	3.404	3414542	25.092 ug/ml
2) T n-Decane (C10)	4.476	4549210	32.685 ug/ml
4) T n-Dodecane (C12)	6.501	5523735	38.972 ug/ml
6) T n-Tetradecane (C14)	8.301	6046780	42.528 ug/ml
7) T n-Hexadecane (C16)	9.905	6263001	42.908 ug/ml
8) T n-Octadecane (C18)	11.349	6366030	44.255 ug/ml
10) T n-Eicosane (C20)	12.662	6770474	50.432 ug/ml
11) T n-Heneicosane (C21)	13.275	6459450	49.729 ug/ml
13) T n-Docosane (C22)	13.863	6364072	50.107 ug/ml
14) T n-Tetracosane (C24)	14.966	6106898	50.035 ug/ml
15) T n-Hexacosane (C26)	15.989	5794014	49.870 ug/ml
16) T n-Octacosane (C28)	16.940	5517091	49.832 ug/ml
17) T n-Tricontane (C30)	17.829	5382274	49.153 ug/ml
18) T n-Dotriacontane (C32)	18.663	5180594	49.924 ug/ml
19) T n-Tetratriacontane (C34)	19.449	5008710	53.155 ug/ml
20) T n-Hexatriacontane (C36)	20.190	4745678	57.455 ug/ml
21) T n-Octatriacontane (C38)	20.957	4635603	61.031 ug/ml
22) T n-Tetracontane (C40)	21.922	4529557	61.838 ug/ml

(f)=RT Delta > 1/2 Window

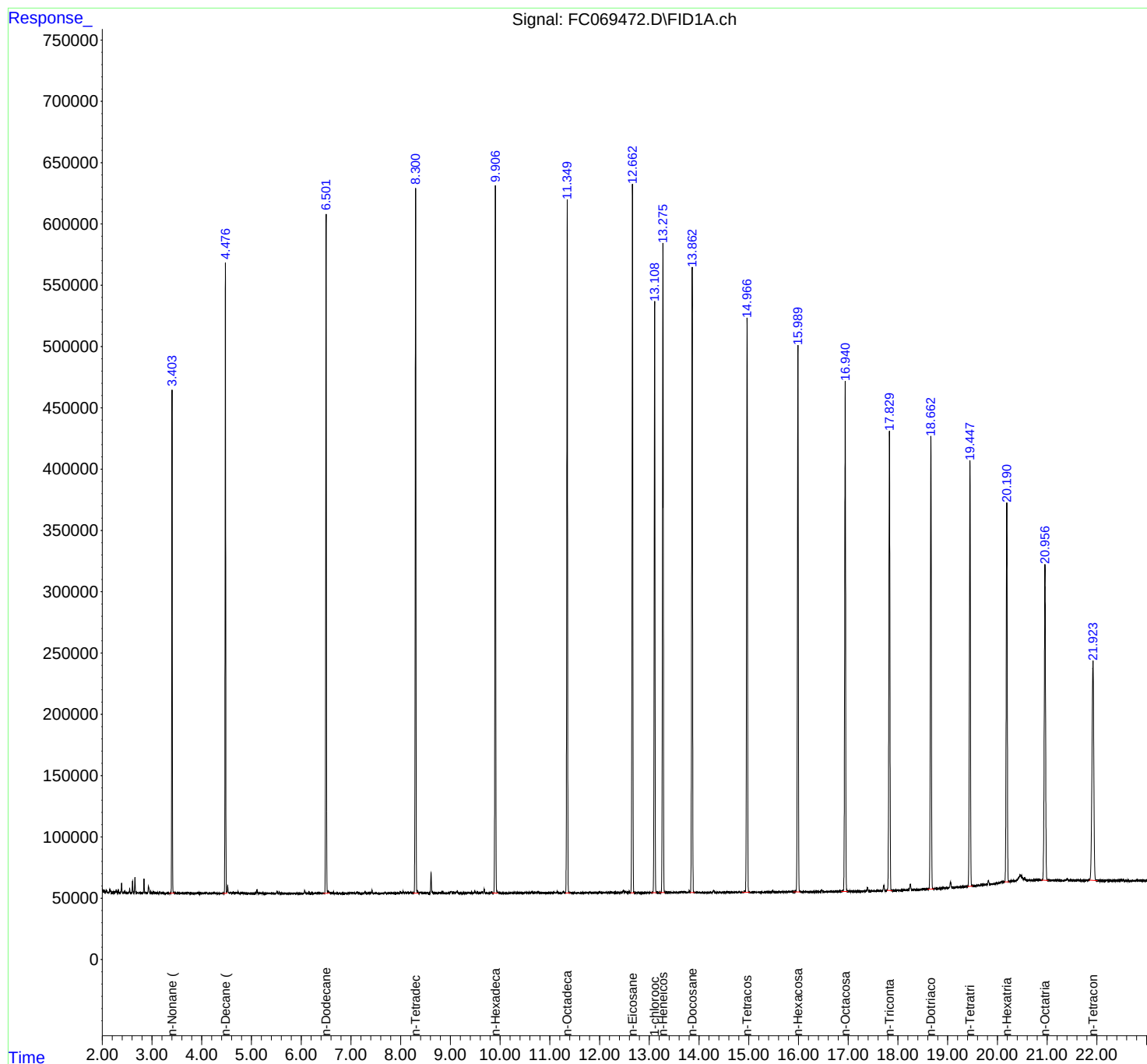
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069472.D
Signal(s) : FID1A.ch
Acq On : 17 Jul 2025 02:29
Operator : YP/AJ
Sample : PB168877BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168877BSD

Integration File: sample.E
Quant Time: Jul 17 06:52:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069472.D
 Signal(s) : FID1A.ch
 Acq On : 17 Jul 2025 02:29
 Sample : PB168877BSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.404	3.348	3.457	BB	410510	3414542	50.43%	3.278%
2	4.476	4.420	4.505	BV	515229	4549210	67.19%	4.367%
3	6.501	6.438	6.573	BB	557854	5523735	81.59%	5.302%
4	8.301	8.242	8.365	BB	575281	6046780	89.31%	5.804%
5	9.905	9.845	9.958	BB	574561	6263001	92.50%	6.012%
6	11.349	11.310	11.413	BB	564145	6366030	94.03%	6.111%
7	12.662	12.620	12.703	PB	577302	6770474	100.00%	6.499%
8	13.108	13.040	13.140	BB	483391	5516499	81.48%	5.295%
9	13.275	13.200	13.310	BB	529516	6459450	95.41%	6.201%
10	13.863	13.823	13.917	VB	509860	6364072	94.00%	6.109%
11	14.966	14.863	15.020	BB	469072	6106898	90.20%	5.862%
12	15.989	15.895	16.030	BB	443736	5794014	85.58%	5.562%
13	16.940	16.855	16.992	BB	416680	5517091	81.49%	5.296%
14	17.829	17.780	17.890	BB	374271	5382274	79.50%	5.167%
15	18.663	18.595	18.727	BB	368879	5180594	76.52%	4.973%
16	19.449	19.400	19.507	BB	345623	5008710	73.98%	4.808%
17	20.190	20.140	20.230	BB	309638	4745678	70.09%	4.556%
18	20.957	20.878	21.027	BB	255040	4635603	68.47%	4.450%
19	21.922	21.840	22.017	BB	178575	4529557	66.90%	4.348%
Sum of corrected areas:						104174212		

Aliphatic EPH 071525.M Thu Jul 17 07:55:54 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168877BSD	SDG No.:	Q2600
Lab Sample ID:	PB168877BSD	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
FD049562.D	1	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.79		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.04		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.5		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.2		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.9		40 - 140	106%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.5		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.2		40 - 140	84%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168877BSD	Acq On:	17 Jul 2025 02:29
Client Sample ID:	PB168877BSD	Operator:	YP/AJ
Data file:	FD049562.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.425	6.169	9908374	71.918	200	ug/ml
Aromatic C12-C16	6.170	8.797	18864230	120.686	300	ug/ml
Aromatic C16-C21	8.798	13.086	35197009	218.231	500	ug/ml
Aromatic C21-C36	13.087	18.506	50872206	363.314	800	ug/ml
Aromatic EPH	4.425	18.506	114841819	774.148		ug/ml
2-Bromonaphthalene (SURRE)	7.738	7.738	6923255	52.92		ug/ml
2-Fluorobiphenyl (SURRE)	8.604	8.604	4767084	51.45		ug/ml
ortho-Terphenyl (SURRE)	11.647	11.647	6922757	42.22		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049562.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 02:29
 Operator : YP/AJ
 Sample : PB168877BSD
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168877BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 07:19:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.738	6923255	52.916 ug/ml
Spiked Amount 50.000		Recovery =	105.83%
6) S 2-Fluorobiphenyl (SURR)	8.604	4767084	51.445 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	102.89%
11) S ortho-Terphenyl (SURR)	11.647	6922757	42.220 ug/ml
Spiked Amount 50.000		Recovery =	84.44%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.531	4369996	33.826 ug/ml
2) T Naphthalene (C11.7)	6.074	5538378	37.841 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	5523627	36.373 ug/ml
5) T Acenaphthylene (C15.06)	8.407	6619237	41.700 ug/ml
7) T Acenaphthene (C15.5)	8.703	6721366	42.452 ug/ml
8) T Flouorene (C16.55)	9.485	7119532	44.568 ug/ml
9) T Phenanthrene (C19.36)	10.882	7221629	44.087 ug/ml
10) T Anthracene (C19.43)	10.957	6540669	41.061 ug/ml
12) T Fluoranthene (C21.85)	12.698	7193150	44.254 ug/ml
13) T Pyrene (C20.8)	12.996	7122029	43.884 ug/ml
14) T Benzo[a]anthracene (C...	14.867	6739091	46.016 ug/ml
15) T Chrysene (C27.41)	14.912	7292822	49.003 ug/ml
16) T benzo[b]fluoranthene ...	16.419	6499386	45.871 ug/ml
17) T Bnezo[k]fluoranthene ...	16.454	6409241	47.943 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.799	6118577	44.440 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.166	6327174	50.518 ug/ml
20) T Dibenz[a,h]anthracene...	18.204	5728516	43.483 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.422	5778147	43.660 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049562.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 02:29
Operator : YP/AJ
Sample : PB168877BSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

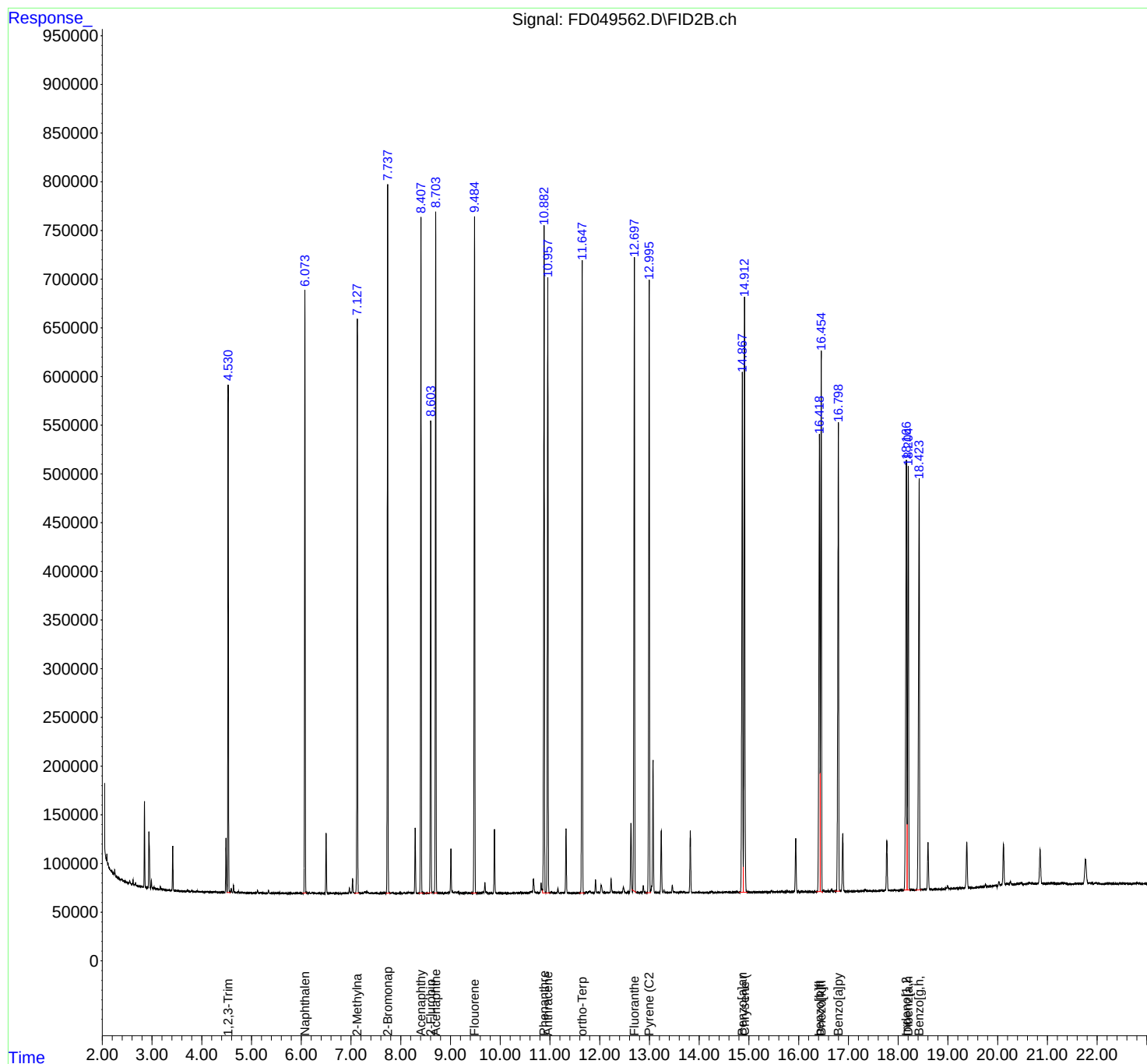
Instrument :
FID_D
ClientSampleId :
PB168877BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 07:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :

FID_D

ClientSampleId :

PB168877BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD07162
Data File : FD049562.D
Signal(s) : FID2B.ch
Acq On : 17 Jul 2025 02:29
Sample : PB168877BSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.531	4.508	4.573	VV	521503	4369996	59.92%	3.275%
2	6.074	6.023	6.108	BV	617912	5538378	75.94%	4.150%
3	7.127	7.072	7.160	BB	589353	5523627	75.74%	4.139%
4	7.738	7.698	7.790	BB	727763	6923255	94.93%	5.188%
5	8.407	8.352	8.457	BB	693173	6619237	90.76%	4.960%
6	8.604	8.493	8.630	BB	485318	4767084	65.37%	3.572%
7	8.703	8.670	8.732	BB	699443	6721366	92.16%	5.036%
8	9.485	9.418	9.532	BB	693287	7119532	97.62%	5.335%
9	10.882	10.851	10.920	VV	685725	7221629	99.02%	5.411%
10	10.957	10.920	11.008	VB	631122	6540669	89.69%	4.901%
11	11.647	11.585	11.697	BB	646653	6922757	94.93%	5.187%
12	12.698	12.650	12.732	BB	648240	7193150	98.63%	5.390%
13	12.996	12.928	13.020	BV	628977	7122029	97.66%	5.337%
14	14.867	14.797	14.886	BV	533463	6739091	92.41%	5.050%
15	14.912	14.886	14.973	VB	609939	7292822	100.00%	5.465%
16	16.419	16.352	16.434	BV	468997	6499386	89.12%	4.870%
17	16.455	16.434	16.481	VV	555920	6397721	87.73%	4.794%
18	16.799	16.723	16.835	BB	479824	6118577	83.90%	4.585%
19	18.166	18.110	18.180	BV	440777	6327174	86.76%	4.741%
20	18.204	18.180	18.242	VB	434434	5719288	78.42%	4.286%
21	18.422	18.340	18.468	BB	421444	5778147	79.23%	4.330%
Sum of corrected areas:						133454912		

Aromatic EPH 071525.M Thu Jul 17 07:43:12 2025

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	STOCK-PILEMS		SDG No.:	Q2600	
Lab Sample ID:	Q2600-05MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/16/25 19:54	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	40.0	E	1	0.17	1.22	mg/kg	FC069465.D
Aliphatic C12-C16	Aliphatic C12-C16	11.9		1	0.13	0.81	mg/kg	FC069465.D
Aliphatic C16-C21	Aliphatic C16-C21	57.2	E	1	0.16	1.22	mg/kg	FC069465.D
Aliphatic C21-C28	Aliphatic C21-C28	210	E	1	0.65	1.62	mg/kg	FC069465.D
Aliphatic C28-C40	Aliphatic C28-C40	133	E	1	1.44	2.44	mg/kg	FC069465.D
Aromatic C10-C12	Aromatic C10-C12	14.5		1	0.15	0.81	mg/kg	FD049555.D
Aromatic C12-C16	Aromatic C12-C16	17.0		1	0.28	1.22	mg/kg	FD049555.D
Aromatic C16-C21	Aromatic C16-C21	40.1		1	0.49	2.03	mg/kg	FD049555.D
Aromatic C21-C36	Aromatic C21-C36	107	E	1	1.45	3.25	mg/kg	FD049555.D
Total AliphaticEPH	Total AliphaticEPH	452			2.55	7.31	mg/kg	
Total AromaticEPH	Total AromaticEPH	179			2.36	7.31	mg/kg	
Total EPH	Total EPH	631			4.91	14.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	STOCK-PILEMS		SDG No.:	Q2600	
Lab Sample ID:	Q2600-05MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069465.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	40.0	E	0.17	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	11.9		0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	57.2	E	0.16	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	210	E	0.65	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	133	E	1.44	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.7		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05MS	Acq On:	16 Jul 2025 19:54
Client Sample ID:	STOCK-PILEMS	Operator:	YP/AJ
Data file:	FC069465.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	68477874	492.648	300	ug/ml
Aliphatic C12-C16	6.598	10.000	21165685	146.909	200	ug/ml
Aliphatic C16-C21	10.001	13.371	95848437	704.784	300	ug/ml
Aliphatic C21-C28	13.372	17.037	309024257	2600	400	ug/ml
Aliphatic C28-C40	17.038	22.012	148222307	1650	600	ug/ml
Aliphatic EPH	3.297	22.012	642738560	5590		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	3926188	34.74		ug/ml
Aliphatic C9-C28	3.297	17.037	494516253	3940	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069465.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 19:54
 Operator : YP/AJ
 Sample : Q2600-05MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 STOCK-PILEMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 06:51:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.111	3926188	34.742 ug/mlm
Spiked Amount 50.000		Recovery =	69.48%
Target Compounds			
1) T n-Nonane (C9)	3.402	2459979	18.077 ug/mlm
2) T n-Decane (C10)	4.476	4072971	29.264 ug/ml
4) T n-Dodecane (C12)	6.501	4759413	33.579 ug/ml
6) T n-Tetradecane (C14)	8.300	4783872	33.646 ug/ml
7) T n-Hexadecane (C16)	9.905	5223353	35.786 ug/ml
8) T n-Octadecane (C18)	11.350	5093443	35.408 ug/ml
10) T n-Eicosane (C20)	12.663	5231415	38.968 ug/mlm
11) T n-Heneicosane (C21)	13.276	4753772	36.598 ug/mlm
13) T n-Docosane (C22)	13.866	4942404	38.914 ug/mlm
14) T n-Tetracosane (C24)	14.972	4757464	38.979 ug/mlm
15) T n-Hexacosane (C26)	15.996	4435448	38.177 ug/mlm
16) T n-Octacosane (C28)	16.945	4322312	39.041 ug/mlm
17) T n-Tricontane (C30)	17.833	4292653	39.203 ug/mlm
18) T n-Dotriacontane (C32)	18.663	4073248	39.253 ug/ml
19) T n-Tetratriacontane (C34)	19.449	4101387	43.526 ug/ml
20) T n-Hexatriacontane (C36)	20.189	3741841	45.302 ug/ml
21) T n-Octatriacontane (C38)	20.955	3758850	49.488 ug/ml
22) T n-Tetracontane (C40)	21.920	3637730	49.663 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069465.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 19:54
Operator : YP/AJ
Sample : Q2600-05MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

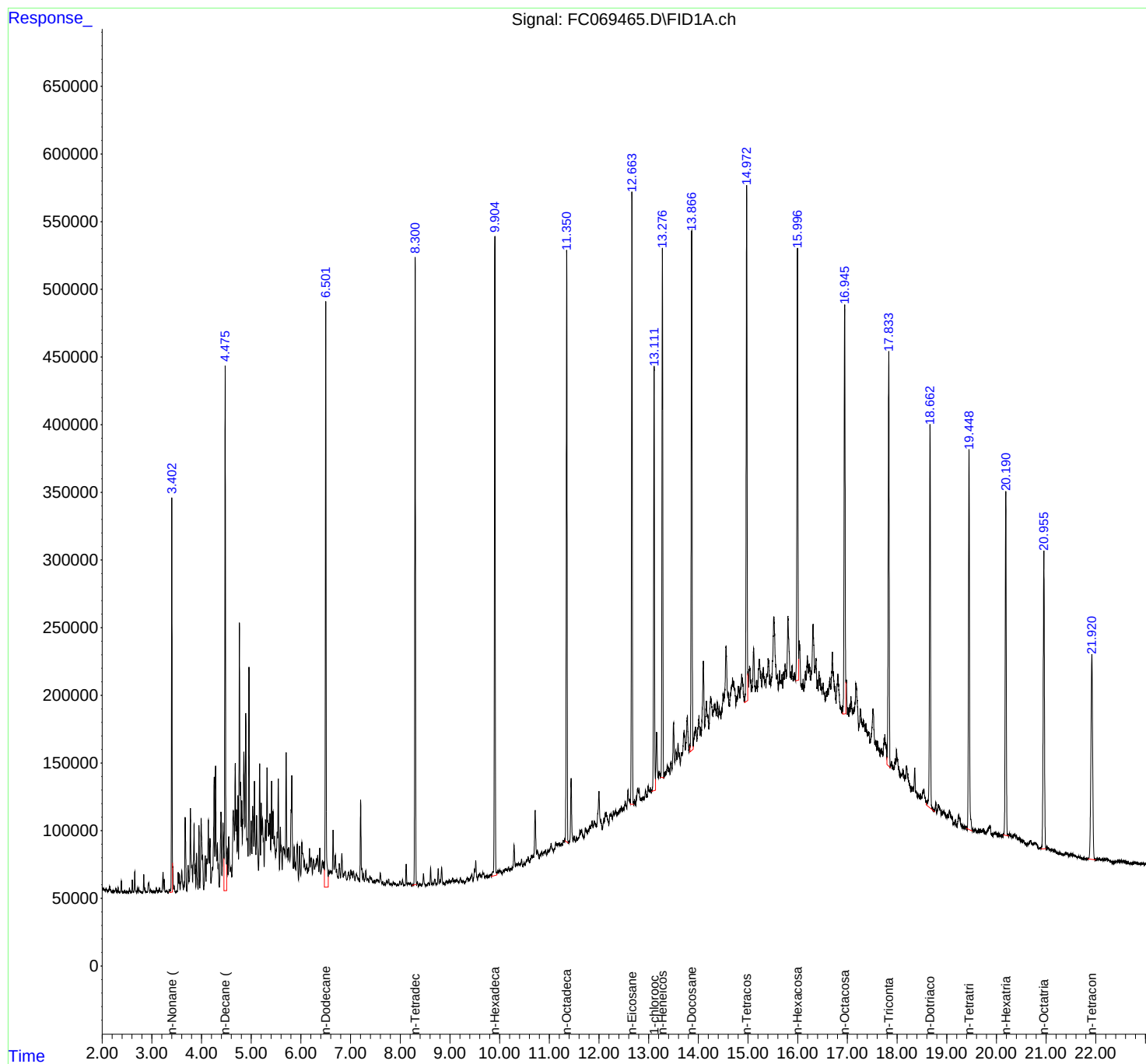
Instrument :
FID_C
ClientSampleId :
STOCK-PILEMS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 06:51:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07162
Data File : FC069465.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 19:54
Sample : Q2600-05MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.225	3.204	3.239	PV	12758	126280	1.02%	0.020%
2	3.250	3.239	3.271	PV	7524	54189	0.44%	0.008%
3	3.298	3.271	3.330	PV	1265	16936	0.14%	0.003%
4	3.350	3.330	3.363	PV	2514	22634	0.18%	0.004%
5	3.402	3.363	3.483	VV	290273	2693408	21.67%	0.419%
6	3.503	3.483	3.511	PV	1318	11717	0.09%	0.002%
7	3.531	3.511	3.543	VV	14807	147895	1.19%	0.023%
8	3.554	3.543	3.570	VV	13782	134872	1.08%	0.021%
9	3.603	3.570	3.634	VV	16199	313064	2.52%	0.049%
10	3.672	3.634	3.703	VV	55137	764465	6.15%	0.119%
11	3.731	3.703	3.749	VV	19739	302353	2.43%	0.047%
12	3.777	3.749	3.821	VV	61234	1042643	8.39%	0.162%
13	3.850	3.821	3.885	VV	50420	856711	6.89%	0.133%
14	3.900	3.885	3.930	VV	28380	347410	2.79%	0.054%
15	3.949	3.930	3.966	VV	48914	440737	3.55%	0.068%
16	3.993	3.966	4.044	VV	53253	1166196	9.38%	0.181%
17	4.075	4.044	4.090	VV	26435	400692	3.22%	0.062%
18	4.137	4.090	4.157	VV	52838	1076770	8.66%	0.167%
19	4.171	4.157	4.191	VV	39417	473760	3.81%	0.074%
20	4.255	4.191	4.268	VV	84656	1434403	11.54%	0.223%
21	4.283	4.268	4.307	VV	91711	1192722	9.59%	0.185%
22	4.319	4.307	4.357	VV	35791	588860	4.74%	0.092%
23	4.391	4.357	4.411	VV	58505	910213	7.32%	0.141%
24	4.432	4.411	4.452	VV	50305	804769	6.47%	0.125%
25	4.476	4.452	4.505	VV	386827	4064879	32.70%	0.632%
26	4.519	4.505	4.532	VV	31122	368032	2.96%	0.057%
27	4.548	4.532	4.575	VV	40040	638150	5.13%	0.099%
28	4.592	4.575	4.609	VV	17487	307393	2.47%	0.048%
29	4.638	4.609	4.662	VV	59151	1285129	10.34%	0.200%
30	4.678	4.662	4.692	VV	94097	1163889	9.36%	0.181%
31	4.702	4.692	4.717	VV	60045	712596	5.73%	0.111%
32	4.731	4.717	4.744	VV	70411	780459	6.28%	0.121%
33	4.762	4.744	4.799	VV	196413	3039072	24.45%	0.472%
34	4.808	4.799	4.821	VV	66292	701905	5.65%	0.109%
35	4.852	4.821	4.872	VV	102318	2024854	16.29%	0.315%
36	4.890	4.872	4.934	VV	130346	2393174	19.25%	0.372%

				riteres				
37	4.954	4.934	4.978	VV	164539	1936227	15.58%	0.301%
38	4.999	4.978	5.013	VV	51273	803782		
39	5.030	5.013	5.051	VV	61204	1103680		
40	5.065	5.051	5.092	VV	80528	1186418		
41	5.108	5.092	5.146	VV	55138	1075581		
42	5.170	5.146	5.187	VV	93292	1249503	10.86%	0.124%
43	5.201	5.187	5.214	VV	64358	797383	6.41%	0.124%
44	5.227	5.214	5.261	VV	52853	1101629	8.86%	0.171%
45	5.287	5.261	5.300	VV	52065	928410	7.47%	0.144%
46	5.319	5.300	5.347	VV	90009	1623767	13.06%	0.252%
47	5.377	5.347	5.392	VV	56311	1192857	9.60%	0.185%
48	5.410	5.392	5.425	VV	80464	1094167	8.80%	0.170%
49	5.440	5.425	5.458	VV	57963	943727	7.59%	0.147%
50	5.467	5.458	5.491	VV	39727	622429	5.01%	0.097%
51	5.545	5.491	5.569	VV	82048	1875800	15.09%	0.292%
52	5.587	5.569	5.623	VV	46241	962880	7.75%	0.150%
53	5.652	5.623	5.682	VV	31543	960105	7.72%	0.149%
54	5.703	5.682	5.742	VV	100127	1665161	13.39%	0.259%
55	5.755	5.742	5.778	VV	30769	568771	4.58%	0.088%
56	5.817	5.778	5.847	VV	84573	1805286	14.52%	0.281%
57	5.865	5.847	5.897	VV	31546	623951	5.02%	0.097%
58	5.926	5.897	5.952	VV	33113	708946	5.70%	0.110%
59	5.972	5.952	5.997	VV	31748	501508	4.03%	0.078%
60	6.020	5.997	6.090	VV	34513	1210240	9.74%	0.188%
61	6.117	6.090	6.133	VV	18475	400862	3.22%	0.062%
62	6.144	6.133	6.154	VV	15357	173243	1.39%	0.027%
63	6.173	6.154	6.189	VV	29950	446341	3.59%	0.069%
64	6.206	6.189	6.232	VV	22307	482826	3.88%	0.075%
65	6.250	6.232	6.276	VV	21451	462079	3.72%	0.072%
66	6.312	6.276	6.324	VV	22326	539962	4.34%	0.084%
67	6.338	6.324	6.362	VV	24659	449671	3.62%	0.070%
68	6.381	6.362	6.402	VV	30026	471099	3.79%	0.073%
69	6.434	6.402	6.448	VV	20716	445061	3.58%	0.069%
70	6.460	6.448	6.472	VV	19421	247581	1.99%	0.038%
71	6.501	6.472	6.550	VV	434966	4808581	38.68%	0.747%
72	6.564	6.550	6.578	VV	12404	184796	1.49%	0.029%
73	6.594	6.578	6.606	VV	13135	200802	1.62%	0.031%
74	6.616	6.606	6.627	VV	12839	153275	1.23%	0.024%
75	6.649	6.627	6.670	VV	42932	624152	5.02%	0.097%
76	6.695	6.670	6.713	VV	24318	465718	3.75%	0.072%
77	6.720	6.713	6.751	VV	14161	233850	1.88%	0.036%
78	6.774	6.751	6.799	VV	17893	349483	2.81%	0.054%
79	6.825	6.799	6.852	VV	25366	484245	3.90%	0.075%
80	6.892	6.852	6.924	VV	11998	418132	3.36%	0.065%
81	6.962	6.924	6.987	VV	11677	327728	2.64%	0.051%
82	7.005	6.987	7.018	VV	13349	194982	1.57%	0.030%
83	7.028	7.018	7.043	VV	12013	156521	1.26%	0.024%
84	7.060	7.043	7.089	VV	12332	253308	2.04%	0.039%
85	7.115	7.089	7.178	VV	9624	392151	3.15%	0.061%
86	7.203	7.178	7.245	VV	64353	905188	7.28%	0.141%
87	7.260	7.245	7.278	VV	10274	143942	1.16%	0.022%
88	7.307	7.278	7.330	VV	12441	247154	1.99%	0.038%
89	7.349	7.330	7.368	VV	6280	126948	1.02%	0.020%

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

90	7.390	7.368	7.458	VV	8409	305859	2.46%	0.048%
91	7.477	7.458	7.500	VV	5245	106382		
92	7.518	7.500	7.532	VV	5896	92072		
93	7.545	7.532	7.575	VV	5339	118111		
94	7.599	7.575	7.631	VV	10337	201954		
95	7.643	7.631	7.671	VV	3099	57362		
96	7.688	7.671	7.703	VV	3033	41860	0.34%	0.007%
97	7.728	7.703	7.750	VV	4328	90677	0.73%	0.014%
98	7.767	7.750	7.802	VV	5862	97295	0.78%	0.015%
99	7.817	7.802	7.836	VV	2185	35605	0.29%	0.006%
100	7.860	7.836	7.884	VV	3163	65233	0.52%	0.010%
101	7.904	7.884	7.928	VV	2272	43445	0.35%	0.007%
102	7.947	7.928	7.964	VV	1771	25931	0.21%	0.004%
103	7.994	7.964	8.019	VV	3828	73135	0.59%	0.011%
104	8.045	8.019	8.069	VV	4811	75857	0.61%	0.012%
105	8.084	8.069	8.093	VV	986	11916	0.10%	0.002%
106	8.119	8.093	8.139	VV	16268	181867	1.46%	0.028%
107	8.177	8.139	8.194	VV	2112	57781	0.46%	0.009%
108	8.207	8.194	8.238	VV	2419	36559	0.29%	0.006%
109	8.300	8.238	8.330	VV	466258	4837398	38.91%	0.752%
110	8.345	8.330	8.368	VV	3229	36769	0.30%	0.006%
111	8.392	8.368	8.428	PV	1445	25834	0.21%	0.004%
112	8.467	8.428	8.506	VV	8938	127665	1.03%	0.020%
113	8.519	8.506	8.537	VV	798	9818	0.08%	0.002%
114	8.566	8.537	8.584	VV	1820	35692	0.29%	0.006%
115	8.611	8.584	8.634	VV	13244	147665	1.19%	0.023%
116	8.656	8.634	8.672	VV	2130	30003	0.24%	0.005%
117	8.696	8.672	8.738	VV	4100	78343	0.63%	0.012%
118	8.764	8.738	8.785	VV	12360	145520	1.17%	0.023%
119	8.803	8.785	8.810	VV	3657	41108	0.33%	0.006%
120	8.833	8.810	8.895	VV	13205	215895	1.74%	0.034%
121	8.928	8.895	8.948	VV	2715	61729	0.50%	0.010%
122	8.984	8.948	9.003	VV	3378	80770	0.65%	0.013%
123	9.054	9.003	9.082	VV	4941	147692	1.19%	0.023%
124	9.118	9.082	9.127	VV	3071	72841	0.59%	0.011%
125	9.141	9.127	9.181	VV	3693	83940	0.68%	0.013%
126	9.209	9.181	9.243	VV	4651	110445	0.89%	0.017%
127	9.264	9.243	9.294	VV	2498	61896	0.50%	0.010%
128	9.342	9.294	9.394	VV	4438	186828	1.50%	0.029%
129	9.440	9.394	9.465	VV	7228	213617	1.72%	0.033%
130	9.496	9.465	9.504	VV	11066	164371	1.32%	0.026%
131	9.520	9.504	9.553	VV	17262	280607	2.26%	0.044%
132	9.575	9.553	9.585	VV	6799	107348	0.86%	0.017%
133	9.601	9.585	9.642	VV	8004	217707	1.75%	0.034%
134	9.661	9.642	9.671	VV	8288	120046	0.97%	0.019%
135	9.681	9.671	9.704	VV	8146	131431	1.06%	0.020%
136	9.722	9.704	9.731	VV	5465	84072	0.68%	0.013%
137	9.745	9.731	9.766	VV	5867	111040	0.89%	0.017%
138	9.818	9.766	9.834	VV	6746	236214	1.90%	0.037%
139	9.904	9.834	9.946	VV	475594	5613474	45.16%	0.872%
140	9.965	9.946	9.976	VV	9096	152229	1.22%	0.024%
141	10.006	9.976	10.054	VV	9538	399305	3.21%	0.062%

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMS

2.46% 0.048%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

					rters			
142	10.076	10.054	10.092	VV	9388	193298	1.55%	0.030%
143	10.115	10.092	10.128	VV	10147	208333		
144	10.142	10.128	10.161	VV	10220	195188		
145	10.178	10.161	10.200	VV	11493	238412		
146	10.221	10.200	10.236	VV	10974	220306		
147	10.291	10.236	10.318	VV	27984	776919		
148	10.347	10.318	10.360	VV	13688	337652	2.72%	0.052%
149	10.377	10.360	10.405	VV	14005	369752	2.97%	0.057%
150	10.442	10.405	10.465	VV	17175	509196	4.10%	0.079%
151	10.491	10.465	10.518	VV	14208	420382	3.38%	0.065%
152	10.542	10.518	10.554	VV	16127	329205	2.65%	0.051%
153	10.573	10.554	10.608	VV	18948	534812	4.30%	0.083%
154	10.643	10.608	10.658	VV	19912	535838	4.31%	0.083%
155	10.670	10.658	10.681	VV	19185	261329	2.10%	0.041%
156	10.715	10.681	10.744	VV	53157	1229464	9.89%	0.191%
157	10.760	10.744	10.794	VV	23825	625981	5.04%	0.097%
158	10.848	10.794	10.871	VV	22434	931507	7.49%	0.145%
159	10.894	10.871	10.907	VV	22324	468463	3.77%	0.073%
160	10.925	10.907	10.945	VV	23785	493494	3.97%	0.077%
161	10.973	10.945	10.984	VV	22864	515214	4.14%	0.080%
162	11.038	10.984	11.088	VV	27782	1499651	12.06%	0.233%
163	11.129	11.088	11.159	VV	29141	1109675	8.93%	0.172%
164	11.175	11.159	11.191	VV	28011	529356	4.26%	0.082%
165	11.201	11.191	11.218	VV	28188	440486	3.54%	0.068%
166	11.242	11.218	11.261	VV	27544	704085	5.66%	0.109%
167	11.280	11.261	11.296	VV	29604	607577	4.89%	0.094%
168	11.350	11.296	11.381	VV	467387	6576151	52.90%	1.022%
169	11.396	11.381	11.403	VV	29092	382795	3.08%	0.059%
170	11.439	11.403	11.475	VV	75573	1911263	15.37%	0.297%
171	11.502	11.475	11.531	VV	33034	1039151	8.36%	0.161%
172	11.546	11.531	11.568	VV	32439	676331	5.44%	0.105%
173	11.616	11.568	11.631	VV	37444	1269072	10.21%	0.197%
174	11.650	11.631	11.691	VV	37249	1248047	10.04%	0.194%
175	11.726	11.691	11.741	VV	38210	1061601	8.54%	0.165%
176	11.751	11.741	11.768	VV	36852	573458	4.61%	0.089%
177	11.814	11.768	11.828	VV	39451	1344212	10.81%	0.209%
178	11.862	11.828	11.881	VV	43846	1307926	10.52%	0.203%
179	11.902	11.881	11.951	VV	43705	1741621	14.01%	0.271%
180	11.999	11.951	12.068	VV	65176	3342279	26.89%	0.519%
181	12.098	12.068	12.109	VV	45685	1012310	8.14%	0.157%
182	12.128	12.109	12.199	VV	49296	2491034	20.04%	0.387%
183	12.241	12.199	12.271	VV	48660	2002715	16.11%	0.311%
184	12.288	12.271	12.306	VV	50704	1014731	8.16%	0.158%
185	12.336	12.306	12.354	VV	51398	1431077	11.51%	0.222%
186	12.365	12.354	12.377	VV	49460	663425	5.34%	0.103%
187	12.418	12.377	12.428	VV	51958	1514238	12.18%	0.235%
188	12.449	12.428	12.468	VV	54150	1238192	9.96%	0.192%
189	12.486	12.468	12.495	VV	52464	859012	6.91%	0.134%
190	12.529	12.495	12.559	VV	57173	2074391	16.69%	0.322%
191	12.583	12.559	12.603	VV	65729	1567646	12.61%	0.244%
192	12.611	12.603	12.629	VV	58491	925575	7.45%	0.144%
193	12.664	12.629	12.701	VV	503596	7604873	61.18%	1.182%
194	12.716	12.701	12.737	VV	58284	1218344	9.80%	0.189%

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

					rt	Area	Height	Area%	Height%
195	12.776	12.737	12.797	VV	65874	2245354	18.06%	0.349%	
196	12.808	12.797	12.837	VV	66502	1487738	11.11%	0.211%	
197	12.883	12.837	12.895	VV	59903	2031937	16.06%	0.333%	
198	12.938	12.895	12.968	VV	64982	2689997	21.11%	0.422%	
199	12.989	12.968	13.021	VV	68144	2049460	16.06%	0.333%	
200	13.034	13.021	13.047	VV	67298	998827	8.00%	0.166%	
201	13.058	13.047	13.068	VV	65248	817642	6.58%	0.127%	
202	13.110	13.068	13.136	VV	382160	6569125	52.84%	1.021%	
203	13.161	13.136	13.195	VV	107486	3125179	25.14%	0.486%	
204	13.215	13.195	13.237	VV	78818	1909540	15.36%	0.297%	
205	13.277	13.237	13.306	VV	462046	7837699	63.05%	1.218%	
206	13.319	13.306	13.334	VV	77414	1309589	10.53%	0.204%	
207	13.375	13.334	13.401	VV	83237	3180261	25.58%	0.494%	
208	13.410	13.401	13.428	VV	80677	1290853	10.38%	0.201%	
209	13.450	13.428	13.468	VV	86006	1952722	15.71%	0.303%	
210	13.501	13.468	13.526	VV	113907	3311294	26.64%	0.515%	
211	13.547	13.526	13.570	VV	92839	2416044	19.44%	0.375%	
212	13.592	13.570	13.608	VV	99126	2087154	16.79%	0.324%	
213	13.616	13.608	13.637	VV	91930	1567981	12.61%	0.244%	
214	13.714	13.637	13.739	VV	108376	5867425	47.20%	0.912%	
215	13.777	13.739	13.809	VV	117921	4420361	35.56%	0.687%	
216	13.866	13.809	13.898	VV	475725	9948333	80.03%	1.546%	
217	13.942	13.898	13.972	VV	110332	4638714	37.31%	0.721%	
218	14.012	13.972	14.035	VV	117507	4191829	33.72%	0.651%	
219	14.046	14.035	14.058	VV	109194	1463843	11.78%	0.228%	
220	14.101	14.058	14.131	VV	159113	5638719	45.36%	0.876%	
221	14.163	14.131	14.214	VV	128512	5940838	47.79%	0.923%	
222	14.248	14.214	14.290	VV	132512	5635885	45.34%	0.876%	
223	14.303	14.290	14.307	VV	122658	1195802	9.62%	0.186%	
224	14.322	14.307	14.331	VV	126139	1814439	14.60%	0.282%	
225	14.340	14.331	14.363	VV	126505	2369813	19.06%	0.368%	
226	14.383	14.363	14.401	VV	127728	2811285	22.61%	0.437%	
227	14.421	14.401	14.454	VV	124038	3849218	30.96%	0.598%	
228	14.500	14.454	14.512	VV	133866	4380359	35.24%	0.681%	
229	14.557	14.512	14.626	VV	168933	9673508	77.82%	1.503%	
230	14.689	14.626	14.754	VV	146121	10525693	84.67%	1.636%	
231	14.814	14.754	14.838	VV	138999	6652247	53.51%	1.034%	
232	14.872	14.838	14.883	VV	147877	3780808	30.41%	0.588%	
233	14.888	14.883	14.931	VV	145640	3952323	31.79%	0.614%	
234	14.972	14.931	15.014	VV	504735	11362252	91.40%	1.766%	
235	15.031	15.014	15.076	VV	153864	5411241	43.53%	0.841%	
236	15.113	15.076	15.145	VV	167301	6133740	49.34%	0.953%	
237	15.176	15.145	15.189	VV	143453	3659124	29.43%	0.569%	
238	15.230	15.189	15.276	VV	159039	7729244	62.18%	1.201%	
239	15.306	15.276	15.331	VV	153124	4874718	39.21%	0.758%	
240	15.348	15.331	15.361	VV	143610	2515630	20.24%	0.391%	
241	15.406	15.361	15.438	VV	159174	6915465	55.63%	1.075%	
242	15.444	15.438	15.458	VV	144106	1738479	13.98%	0.270%	
243	15.518	15.458	15.581	VV	189912	11828935	95.15%	1.838%	
244	15.593	15.581	15.609	VV	146804	2388562	19.21%	0.371%	
245	15.636	15.609	15.667	VV	150368	4949671	39.82%	0.769%	
246	15.681	15.667	15.699	VV	147436	2754027	22.15%	0.428%	

							Instrument : FID_C	
							ClientSampleId : STOCK-PILEMS	
rteres							Manual Integration	
247	15.720	15.699	15.731	VV	149068	2837606	22.83%	0.441%
248	15.747	15.731	15.768	VV	154609	3288225	26.83%	0.441%
249	15.804	15.768	15.848	VV	188731	7885797	63.83%	0.441%
250	15.858	15.848	15.873	VV	149034	2184844	17.83%	0.441%
							Reviewed By :Yogesh	
251	15.886	15.873	15.918	VV	152636	4003974	32.83%	0.441%
252	15.937	15.918	15.956	VV	148192	3374248	27.83%	0.441%
253	15.995	15.956	16.021	VV	463777	9967443	80.18%	1.549%
254	16.033	16.021	16.086	VV	170217	5921929	47.64%	0.920%
255	16.109	16.086	16.121	VV	142774	2958765	23.80%	0.460%
							Supervised By :m	
256	16.156	16.121	16.169	VV	148112	4088541	32.89%	0.635%
257	16.194	16.169	16.216	VV	160629	4252883	34.21%	0.661%
258	16.232	16.216	16.268	VV	154129	4647512	37.39%	0.722%
259	16.308	16.268	16.348	VV	183057	7719151	62.09%	1.200%
260	16.366	16.348	16.389	VV	157682	3758199	30.23%	0.584%
261	16.402	16.389	16.413	VV	140830	1994612	16.05%	0.310%
262	16.429	16.413	16.490	VV	147000	6467287	52.02%	1.005%
263	16.511	16.490	16.565	VV	139741	5967613	48.00%	0.927%
264	16.578	16.565	16.590	VV	133516	1978168	15.91%	0.307%
265	16.605	16.590	16.618	VV	135687	2213849	17.81%	0.344%
266	16.646	16.618	16.668	VV	143259	4133206	33.25%	0.642%
267	16.698	16.668	16.739	VV	161959	6290904	50.61%	0.978%
268	16.747	16.739	16.774	VV	136618	2788152	22.43%	0.433%
269	16.807	16.774	16.891	VV	145615	9088076	73.11%	1.412%
270	16.946	16.891	17.001	VV	418583	12431245	100.00%	1.932%
271	17.011	17.001	17.029	VV	120752	1963189	15.79%	0.305%
272	17.048	17.029	17.056	VV	122835	1950174	15.69%	0.303%
273	17.073	17.056	17.099	VV	128503	3160372	25.42%	0.491%
274	17.172	17.099	17.225	VV	138952	9313671	74.92%	1.447%
275	17.261	17.225	17.310	VV	119868	5668086	45.60%	0.881%
276	17.324	17.310	17.360	VV	110923	3217439	25.88%	0.500%
277	17.373	17.360	17.463	VV	108297	6308666	50.75%	0.980%
278	17.520	17.463	17.571	VV	119544	6735722	54.18%	1.047%
279	17.576	17.571	17.589	VV	95470	1016543	8.18%	0.158%
280	17.607	17.589	17.656	VV	94753	3645442	29.32%	0.567%
281	17.690	17.656	17.711	VV	90241	2876689	23.14%	0.447%
282	17.754	17.711	17.796	VV	100462	4692000	37.74%	0.729%
283	17.832	17.796	17.868	VV	378447	7636227	61.43%	1.187%
284	17.889	17.868	17.911	VV	80351	2023739	16.28%	0.315%
285	17.917	17.911	17.933	VV	77265	991009	7.97%	0.154%
286	17.963	17.933	17.973	VV	82405	1907120	15.34%	0.296%
287	17.988	17.973	18.064	VV	89065	4261960	34.28%	0.662%
288	18.117	18.064	18.151	VV	74250	3658828	29.43%	0.569%
289	18.189	18.151	18.278	VV	76651	5114241	41.14%	0.795%
290	18.285	18.278	18.300	VV	60733	783124	6.30%	0.122%
291	18.320	18.300	18.332	VV	61091	1139343	9.17%	0.177%
292	18.355	18.332	18.414	VV	75057	3024934	24.33%	0.470%
293	18.422	18.414	18.454	VV	55251	1295760	10.42%	0.201%
294	18.467	18.454	18.479	VV	56053	782509	6.29%	0.122%
295	18.541	18.479	18.588	VV	59164	3549206	28.55%	0.552%
296	18.663	18.588	18.757	VV	325870	8633236	69.45%	1.342%
297	18.777	18.757	18.798	VV	49419	1100875	8.86%	0.171%
298	18.829	18.798	18.887	VV	47039	2364855	19.02%	0.368%
299	18.902	18.887	18.917	VV	42476	739993	5.95%	0.115%

FID_C

ClientSampleId :

STOCK-PILEMS

3.87% 0.268%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

					rteres		STOCK-PILES	
300	18.947	18.917	18.988	VV	42184	1723747	13.87%	0.268%
301	19.018	18.988	19.036	VV	40115	1107069	8.31%	0.160%
302	19.054	19.036	19.134	VV	42881	2248494	18.31%	0.268%
303	19.147	19.134	19.157	VV	33984	456683	7.49%	0.145%
304	19.177	19.157	19.206	VV	35268	992394	7.50%	0.145%
305	19.243	19.206	19.298	VV	39286	1913792	19.54%	0.378%
306	19.303	19.298	19.318	VV	32206	373510	3.00%	0.058%
307	19.323	19.318	19.375	VV	31528	1032577	8.31%	0.160%
308	19.391	19.375	19.409	VV	30791	600905	4.83%	0.093%
309	19.449	19.409	19.512	VV	309791	5838992	46.97%	0.907%
310	19.521	19.512	19.539	VV	28119	453298	3.65%	0.070%
311	19.556	19.539	19.601	VV	28043	1016933	8.18%	0.158%
312	19.648	19.601	19.659	VV	27684	930807	7.49%	0.145%
313	19.674	19.659	19.694	VV	27801	566389	4.56%	0.088%
314	19.711	19.694	19.724	VV	26682	486333	3.91%	0.076%
315	19.738	19.724	19.751	VV	28512	435991	3.51%	0.068%
316	19.762	19.751	19.778	VV	26708	411641	3.31%	0.064%
317	19.867	19.778	19.930	VV	29979	2429584	19.54%	0.378%
318	19.967	19.930	20.021	VV	24851	1322460	10.64%	0.206%
319	20.036	20.021	20.088	VV	24630	932578	7.50%	0.145%
320	20.101	20.088	20.118	VV	23896	410384	3.30%	0.064%
321	20.189	20.118	20.246	VV	275259	5517565	44.38%	0.858%
322	20.265	20.246	20.281	VV	24541	494489	3.98%	0.077%
323	20.294	20.281	20.317	VV	23197	470795	3.79%	0.073%
324	20.328	20.317	20.338	VV	22020	274327	2.21%	0.043%
325	20.370	20.338	20.388	VV	23814	679457	5.47%	0.106%
326	20.404	20.388	20.422	VV	22627	445812	3.59%	0.069%
327	20.440	20.422	20.452	VV	20949	369020	2.97%	0.057%
328	20.460	20.452	20.534	VV	20582	934187	7.51%	0.145%
329	20.545	20.534	20.578	VV	18670	461055	3.71%	0.072%
330	20.585	20.578	20.608	VV	16765	292322	2.35%	0.045%
331	20.627	20.608	20.639	VV	16617	297440	2.39%	0.046%
332	20.687	20.639	20.713	VV	18564	769684	6.19%	0.120%
333	20.726	20.713	20.738	VV	16294	242284	1.95%	0.038%
334	20.752	20.738	20.761	VV	16541	223236	1.80%	0.035%
335	20.774	20.761	20.864	VV	16951	925604	7.45%	0.144%
336	20.882	20.864	20.895	VV	13139	237036	1.91%	0.037%
337	20.955	20.895	20.999	VV	231192	4519720	36.36%	0.702%
338	21.008	20.999	21.031	VV	13049	246785	1.99%	0.038%
339	21.045	21.031	21.098	VV	12915	475114	3.82%	0.074%
340	21.117	21.098	21.136	VV	11547	252267	2.03%	0.039%
341	21.144	21.136	21.215	VV	10804	481012	3.87%	0.075%
342	21.224	21.215	21.238	VV	8884	117268	0.94%	0.018%
343	21.255	21.238	21.268	VV	8851	152300	1.23%	0.024%
344	21.283	21.268	21.310	VV	8477	206136	1.66%	0.032%
345	21.321	21.310	21.363	VV	8239	244721	1.97%	0.038%
346	21.395	21.363	21.455	VV	8718	435509	3.50%	0.068%
347	21.465	21.455	21.476	VV	6933	86458	0.70%	0.013%
348	21.496	21.476	21.505	VV	7647	120838	0.97%	0.019%
349	21.512	21.505	21.523	VV	7393	77996	0.63%	0.012%
350	21.534	21.523	21.544	VV	7285	90556	0.73%	0.014%
351	21.552	21.544	21.578	VV	6850	130777	1.05%	0.020%

rteres									
352	21.590	21.578	21.621	VV	6439	152233	1.22%	0.024%	
353	21.639	21.621	21.654	VV	5508	105658			
354	21.662	21.654	21.708	VV	5529	158570			
355	21.718	21.708	21.751	VV	4478	106109			
356	21.763	21.751	21.808	VV	4372	134854			
357	21.822	21.808	21.832	VV	3842	52551			
358	21.839	21.832	21.846	VV	3706	32101	0.26%	0.005%	
359	21.920	21.846	21.999	VV	154905	3932137	31.63%	0.611%	
360	22.031	21.999	22.050	VV	3438	95749	0.77%	0.015%	
361	22.078	22.050	22.106	VV	3416	101419	0.82%	0.016%	
362	22.121	22.106	22.146	VV	3205	71143	0.57%	0.011%	
363	22.173	22.146	22.184	VV	2993	66292	0.53%	0.010%	
364	22.227	22.184	22.344	VV	3198	188259	1.51%	0.029%	
Sum of corrected areas:					643441889				

Instrument :
FID_C
ClientSampleId :
STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Aliphatic EPH 071525.M Thu Jul 17 08:03:26 2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	STOCK-PILEMS	SDG No.:	Q2600
Lab Sample ID:	Q2600-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049555.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	14.5		0.15	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	17.0		0.28	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	40.1		0.49	2.03	mg/kg
Aromatic C21-C36	Aromatic C21-C36	107	E	1.45	3.25	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.7		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-05MS	Acq On:	16 Jul 2025 19:54
Client Sample ID:	STOCK-PILEMS	Operator:	YP/AJ
Data file:	FD049555.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	4.425	6.169	24670665	179.066	200	ug/ml
Aromatic C12-C16	6.170	8.797	32796163	209.818	300	ug/ml
Aromatic C16-C21	8.798	13.086	79737663	494.395	500	ug/ml
Aromatic C21-C36	13.087	18.506	185299865	1320	800	ug/ml
Aromatic EPH	4.425	18.506	322504356	2210		ug/ml
2-Bromonaphthalene (SURR)	7.736	7.736	5456126	41.7		ug/ml
2-Fluorobiphenyl (SURR)	8.602	8.602	3646124	39.35		ug/ml
ortho-Terphenyl (SURR)	11.647	11.647	5869870	35.8		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049555.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 19:54
 Operator : YP/AJ
 Sample : Q2600-05MS
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 STOCK-PILEMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 07:17:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.736	5456126	41.702 ug/ml
Spiked Amount 50.000		Recovery =	83.40%
6) S 2-Fluorobiphenyl (SURR)	8.602	3646124	39.348 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	78.70%
11) S ortho-Terphenyl (SURR)	11.647	5869870	35.799 ug/ml
Spiked Amount 50.000		Recovery =	71.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.530	4338967	33.586 ug/ml
2) T Naphthalene (C11.7)	6.073	5841608	39.913 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	6514711	42.899 ug/ml
5) T Acenaphthylene (C15.06)	8.407	7451745	46.945 ug/ml
7) T Acenaphthene (C15.5)	8.703	7442047	47.004 ug/ml
8) T Flouorene (C16.55)	9.484	7877029	49.310 ug/ml
9) T Phenanthrene (C19.36)	10.884	8285460	50.581 ug/ml
10) T Anthracene (C19.43)	10.959	8088924	50.780 ug/ml
12) T Fluoranthene (C21.85)	12.700	8189805	50.385 ug/mlm
13) T Pyrene (C20.8)	12.999	8276434	50.998 ug/ml
14) T Benzo[a]anthracene (C...	14.872	7910486	54.015 ug/ml
15) T Chrysene (C27.41)	14.917	8643940	58.081 ug/mlm
16) T benzo[b]fluoranthene ...	16.425	7567466	53.409 ug/ml
17) T Bnezo[k]fluoranthene ...	16.459	7263264	54.332 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.804	7183900	52.178 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.170	7344698	58.642 ug/ml
20) T Dibenz[a,h]anthracene...	18.208	6727279	51.064 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.426	6539758	49.415 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049555.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 19:54
Operator : YP/AJ
Sample : Q2600-05MS
Misc :
ALS Vial : 67 Sample Multiplier: 1

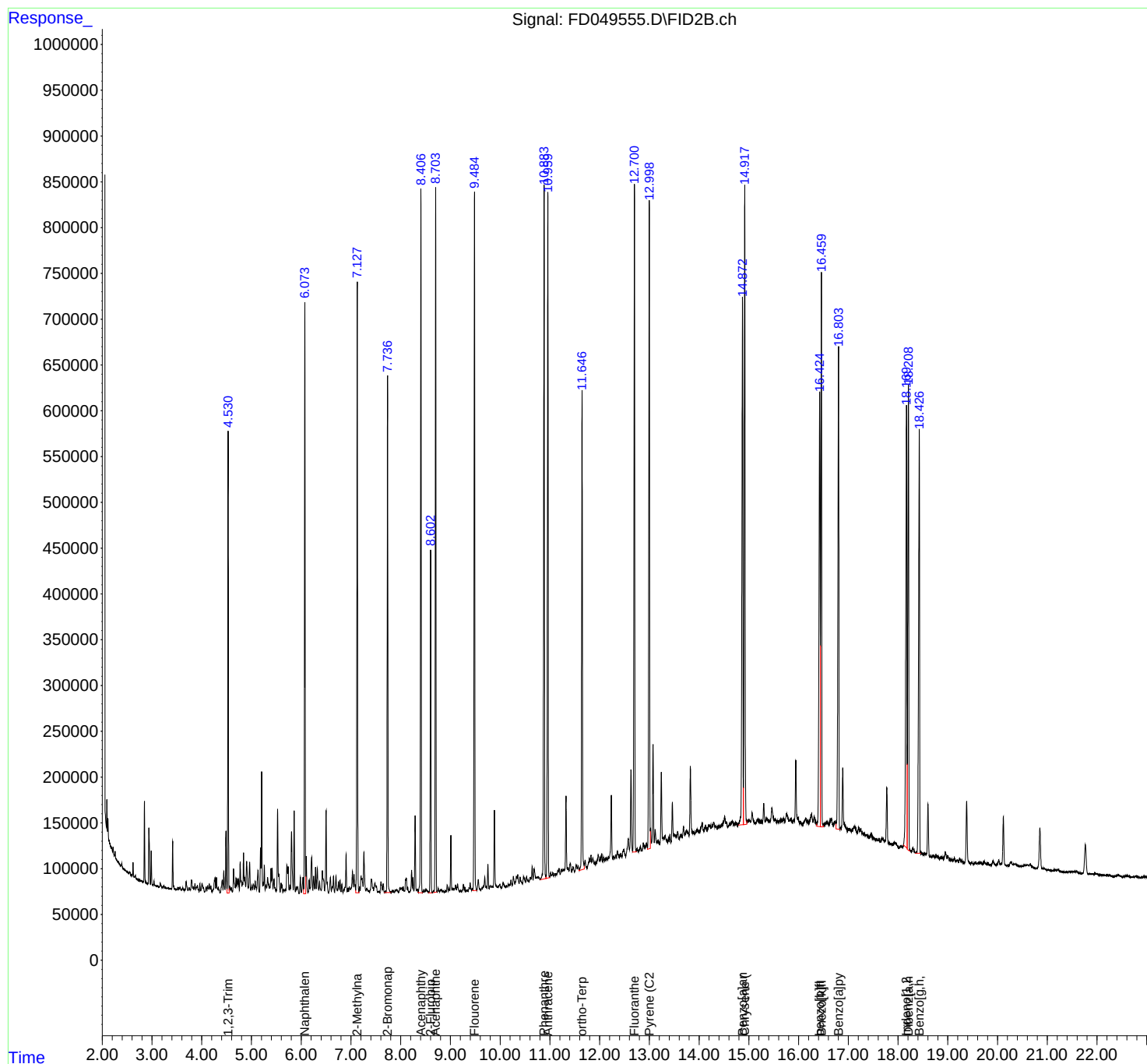
Instrument :
FID_D
ClientSampleId :
STOCK-PILEMS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 07:17:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMS

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD07162
Data File : FD049555.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 19:54
Sample : Q2600-05MS
Misc :
ALS Vial : 67 Sample Multiplier: 1

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.267	4.252	4.281	BV	7960	60523	0.55%	0.018%
2	4.296	4.281	4.321	PV	12778	122760	1.12%	0.036%
3	4.332	4.321	4.346	VV	4172	40007	0.36%	0.012%
4	4.352	4.346	4.368	VV	2267	16140	0.15%	0.005%
5	4.413	4.368	4.428	PV	14267	244365	2.23%	0.072%
6	4.444	4.428	4.467	VV	23849	268102	2.44%	0.079%
7	4.487	4.467	4.508	VV	67747	673515	6.13%	0.199%
8	4.530	4.508	4.551	VV	504018	4338968	39.52%	1.281%
9	4.560	4.551	4.581	VV	8237	100220	0.91%	0.030%
10	4.593	4.581	4.618	VV	6113	83897	0.76%	0.025%
11	4.639	4.618	4.675	VV	26525	398325	3.63%	0.118%
12	4.690	4.675	4.702	VV	16556	181898	1.66%	0.054%
13	4.721	4.702	4.732	VV	15706	220562	2.01%	0.065%
14	4.741	4.732	4.756	VV	14934	141184	1.29%	0.042%
15	4.773	4.756	4.787	VV	34232	356183	3.24%	0.105%
16	4.793	4.787	4.808	VV	13806	144490	1.32%	0.043%
17	4.819	4.808	4.827	VV	12096	112901	1.03%	0.033%
18	4.840	4.827	4.854	VV	44212	423833	3.86%	0.125%
19	4.861	4.854	4.883	VV	17256	229719	2.09%	0.068%
20	4.903	4.883	4.940	VV	34757	582876	5.31%	0.172%
21	4.962	4.940	4.983	VV	33973	447880	4.08%	0.132%
22	5.009	4.983	5.024	VV	8769	143883	1.31%	0.042%
23	5.039	5.024	5.062	VV	9868	167540	1.53%	0.049%
24	5.075	5.062	5.103	VV	13144	196272	1.79%	0.058%
25	5.131	5.103	5.156	VV	25172	387551	3.53%	0.114%
26	5.182	5.156	5.191	VV	49700	474697	4.32%	0.140%
27	5.204	5.191	5.226	VV	132652	1274724	11.61%	0.376%
28	5.237	5.226	5.245	VV	11338	112978	1.03%	0.033%
29	5.259	5.245	5.275	VV	30813	295302	2.69%	0.087%
30	5.293	5.275	5.306	VV	9539	137601	1.25%	0.041%
31	5.325	5.306	5.356	VV	17462	335582	3.06%	0.099%
32	5.365	5.356	5.373	VV	7367	69165	0.63%	0.020%
33	5.393	5.373	5.404	VV	27608	308850	2.81%	0.091%
34	5.415	5.404	5.433	VV	27865	312810	2.85%	0.092%
35	5.454	5.433	5.499	VV	15679	307338	2.80%	0.091%
36	5.525	5.499	5.543	VV	92151	976661	8.89%	0.288%

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37	5.550	5.543	5.577	VV	21760	247684	2.26%	0.073%
38	5.594	5.577	5.605	VV	11428	121234		
39	5.614	5.605	5.631	VV	9712	95896		
40	5.658	5.631	5.669	VV	4367	80312		
41	5.681	5.669	5.690	VV	4586	50698		
42	5.712	5.690	5.728	VV	31390	437391		
43	5.737	5.728	5.755	VV	29551	304188	2.77%	0.090%
44	5.773	5.755	5.783	VV	9620	113869	1.04%	0.034%
45	5.805	5.783	5.840	VV	67739	1024651	9.33%	0.302%
46	5.858	5.840	5.883	VV	90748	858494	7.82%	0.253%
47	5.899	5.883	5.910	VV	7652	84918	0.77%	0.025%
48	5.927	5.910	5.957	VV	7357	131863	1.20%	0.039%
49	5.984	5.957	6.005	PV	18197	202183	1.84%	0.060%
50	6.036	6.005	6.050	VV	17969	255840	2.33%	0.076%
51	6.073	6.050	6.091	VV	646660	5843228	53.22%	1.725%
52	6.101	6.091	6.135	VV	40705	446029	4.06%	0.132%
53	6.160	6.135	6.174	VV	15082	166680	1.52%	0.049%
54	6.210	6.174	6.233	VV	39741	670960	6.11%	0.198%
55	6.250	6.233	6.271	VV	19021	259199	2.36%	0.076%
56	6.289	6.271	6.304	VV	29002	301243	2.74%	0.089%
57	6.325	6.304	6.354	VV	27993	408382	3.72%	0.121%
58	6.370	6.354	6.400	VV	13160	191096	1.74%	0.056%
59	6.426	6.400	6.471	VV	25188	532765	4.85%	0.157%
60	6.501	6.471	6.518	VV	90546	1001533	9.12%	0.296%
61	6.523	6.518	6.549	VV	12389	112075	1.02%	0.033%
62	6.587	6.549	6.607	VV	17677	272532	2.48%	0.080%
63	6.627	6.607	6.635	VV	7970	101106	0.92%	0.030%
64	6.649	6.635	6.670	VV	19086	214587	1.95%	0.063%
65	6.700	6.670	6.718	VV	19095	257606	2.35%	0.076%
66	6.721	6.718	6.731	VV	4953	35403	0.32%	0.010%
67	6.751	6.731	6.765	VV	12845	156353	1.42%	0.046%
68	6.782	6.765	6.800	VV	14380	170847	1.56%	0.050%
69	6.818	6.800	6.841	VV	10289	137517	1.25%	0.041%
70	6.857	6.841	6.866	VV	4831	49192	0.45%	0.015%
71	6.879	6.866	6.884	VV	6945	60372	0.55%	0.018%
72	6.903	6.884	6.925	VV	42682	443456	4.04%	0.131%
73	6.942	6.925	6.954	VV	5929	70280	0.64%	0.021%
74	6.968	6.954	6.979	VV	7252	77358	0.70%	0.023%
75	6.986	6.979	6.995	VV	4858	43637	0.40%	0.013%
76	7.031	6.995	7.047	VV	24357	377692	3.44%	0.111%
77	7.063	7.047	7.095	VV	20652	332014	3.02%	0.098%
78	7.127	7.095	7.160	VV	666109	6542727	59.59%	1.931%
79	7.174	7.160	7.185	VV	7199	72068	0.66%	0.021%
80	7.203	7.185	7.214	VV	18656	216127	1.97%	0.064%
81	7.222	7.214	7.244	VV	16879	236427	2.15%	0.070%
82	7.261	7.244	7.299	VV	44931	640087	5.83%	0.189%
83	7.316	7.299	7.348	VV	5511	111680	1.02%	0.033%
84	7.359	7.348	7.373	VV	2753	30117	0.27%	0.009%
85	7.410	7.373	7.456	VV	15664	376451	3.43%	0.111%
86	7.480	7.456	7.503	VV	10493	218309	1.99%	0.064%
87	7.512	7.503	7.553	VV	8124	111079	1.01%	0.033%
88	7.568	7.553	7.584	VV	2302	27952	0.25%	0.008%
89	7.603	7.584	7.632	VV	12428	216066	1.97%	0.064%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

90	7.649	7.632	7.672	VV	10314	135430	1.23%	0.040%
91	7.681	7.672	7.690	VV	1527	14300		
92	7.700	7.690	7.707	VV	1556	14508		
93	7.736	7.707	7.803	VV	566984	5480667	49.03%	2.204%
94	7.832	7.803	7.847	VV	3379	50362		
95	7.859	7.847	7.872	VV	2325	25503		
96	7.888	7.872	7.899	VV	3428	37550	0.34%	0.011%
97	7.920	7.899	7.959	VV	3886	92510	0.84%	0.027%
98	7.985	7.959	7.997	VV	6216	85505	0.78%	0.025%
99	8.010	7.997	8.015	VV	4992	50124	0.46%	0.015%
100	8.027	8.015	8.039	VV	6247	71189	0.65%	0.021%
101	8.052	8.039	8.067	VV	6887	75276	0.69%	0.022%
102	8.073	8.067	8.081	VV	2440	20074	0.18%	0.006%
103	8.099	8.081	8.105	VV	15220	134921	1.23%	0.040%
104	8.114	8.105	8.131	VV	16244	174764	1.59%	0.052%
105	8.141	8.131	8.170	VV	6692	80304	0.73%	0.024%
106	8.219	8.170	8.234	VV	25107	303347	2.76%	0.090%
107	8.246	8.234	8.265	VV	16814	174126	1.59%	0.051%
108	8.290	8.265	8.317	VV	84433	909691	8.28%	0.268%
109	8.330	8.317	8.353	VV	4022	62436	0.57%	0.018%
110	8.407	8.353	8.440	VV	769363	7469241	68.03%	2.204%
111	8.457	8.440	8.472	VV	3516	39590	0.36%	0.012%
112	8.491	8.472	8.502	VV	3100	39337	0.36%	0.012%
113	8.516	8.502	8.532	VV	4208	49897	0.45%	0.015%
114	8.540	8.532	8.557	VV	2258	22301	0.20%	0.007%
115	8.602	8.557	8.630	VV	374659	3648401	33.23%	1.077%
116	8.657	8.630	8.669	PV	1984	25791	0.23%	0.008%
117	8.703	8.669	8.732	VV	771043	7462216	67.96%	2.202%
118	8.755	8.732	8.780	VV	5005	72931	0.66%	0.022%
119	8.797	8.780	8.802	VV	2574	26644	0.24%	0.008%
120	8.818	8.802	8.838	VV	3213	54251	0.49%	0.016%
121	8.856	8.838	8.873	VV	2324	30460	0.28%	0.009%
122	8.894	8.873	8.915	PV	1735	26924	0.25%	0.008%
123	8.936	8.915	8.957	VV	7480	99307	0.90%	0.029%
124	8.970	8.957	8.986	VV	4393	53289	0.49%	0.016%
125	9.009	8.986	9.030	VV	62002	623740	5.68%	0.184%
126	9.038	9.030	9.048	VV	3411	32753	0.30%	0.010%
127	9.059	9.048	9.072	VV	4038	45146	0.41%	0.013%
128	9.104	9.072	9.119	VV	7788	124510	1.13%	0.037%
129	9.145	9.119	9.181	VV	8831	150170	1.37%	0.044%
130	9.198	9.181	9.220	VV	891	13257	0.12%	0.004%
131	9.260	9.220	9.277	PV	7937	110287	1.00%	0.033%
132	9.291	9.277	9.309	VV	4627	45143	0.41%	0.013%
133	9.319	9.309	9.325	VV	635	4564	0.04%	0.001%
134	9.341	9.325	9.355	VV	1320	15331	0.14%	0.005%
135	9.375	9.355	9.381	VV	3302	30983	0.28%	0.009%
136	9.397	9.381	9.426	VV	8786	119664	1.09%	0.035%
137	9.439	9.426	9.451	VV	2151	23188	0.21%	0.007%
138	9.484	9.451	9.532	VV	764050	7886852	71.83%	2.328%
139	9.560	9.532	9.607	VV	11772	185816	1.69%	0.055%
140	9.632	9.607	9.644	VV	2135	28292	0.26%	0.008%
141	9.661	9.644	9.668	VV	3474	42039	0.38%	0.012%

Instrument :

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STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

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					rters			
142	9.691	9.668	9.711	VV	13956	185660	1.69%	0.055%
143	9.721	9.711	9.733	VV	3418	38656		
144	9.754	9.733	9.780	VV	27604	299503		
145	9.799	9.780	9.816	VV	4380	61741		
146	9.831	9.816	9.845	VV	3411	48312		
147	9.852	9.845	9.862	VV	2556	23509		
148	9.885	9.862	9.944	VV	86271	1017899	9.27%	0.300%
149	9.968	9.944	9.975	VV	2652	40974	0.37%	0.012%
150	9.994	9.975	10.029	VV	4618	82663	0.75%	0.024%
151	10.059	10.029	10.095	VV	6063	131673	1.20%	0.039%
152	10.103	10.095	10.118	VV	2011	24560	0.22%	0.007%
153	10.129	10.118	10.144	VV	1861	26298	0.24%	0.008%
154	10.161	10.144	10.175	VV	3967	49945	0.45%	0.015%
155	10.187	10.175	10.196	VV	3442	38634	0.35%	0.011%
156	10.218	10.196	10.245	VV	8385	142901	1.30%	0.042%
157	10.266	10.245	10.296	VV	11776	214358	1.95%	0.063%
158	10.328	10.296	10.339	VV	11917	204461	1.86%	0.060%
159	10.353	10.339	10.381	VV	13620	228788	2.08%	0.068%
160	10.401	10.381	10.446	VV	10070	244817	2.23%	0.072%
161	10.471	10.446	10.508	VV	11304	274103	2.50%	0.081%
162	10.533	10.508	10.551	VV	10382	196982	1.79%	0.058%
163	10.560	10.551	10.583	VV	6520	112545	1.02%	0.033%
164	10.605	10.583	10.622	VV	9062	174615	1.59%	0.052%
165	10.645	10.622	10.662	VV	21345	311549	2.84%	0.092%
166	10.683	10.662	10.719	VV	18444	423981	3.86%	0.125%
167	10.731	10.719	10.744	VV	8968	129949	1.18%	0.038%
168	10.756	10.744	10.772	VV	9557	148709	1.35%	0.044%
169	10.782	10.772	10.800	VV	8523	128267	1.17%	0.038%
170	10.846	10.800	10.850	VV	11682	251187	2.29%	0.074%
171	10.884	10.850	10.922	VV	763623	8504788	77.46%	2.510%
172	10.959	10.922	10.993	VV	755409	8393780	76.45%	2.477%
173	11.018	10.993	11.039	VV	11816	275446	2.51%	0.081%
174	11.058	11.039	11.076	VV	12244	238280	2.17%	0.070%
175	11.097	11.076	11.111	VV	11706	218121	1.99%	0.064%
176	11.125	11.111	11.135	VV	10867	144666	1.32%	0.043%
177	11.159	11.135	11.169	VV	14736	262073	2.39%	0.077%
178	11.186	11.169	11.207	VV	16629	311742	2.84%	0.092%
179	11.235	11.207	11.247	VV	14929	318716	2.90%	0.094%
180	11.266	11.247	11.278	VV	15620	266896	2.43%	0.079%
181	11.284	11.278	11.286	VV	14331	72168	0.66%	0.021%
182	11.324	11.286	11.349	VV	95404	1408969	12.83%	0.416%
183	11.356	11.349	11.360	VV	16022	102649	0.93%	0.030%
184	11.365	11.360	11.385	VV	16009	228815	2.08%	0.068%
185	11.411	11.385	11.437	VV	21268	526408	4.79%	0.155%
186	11.469	11.437	11.498	VV	16907	511670	4.66%	0.151%
187	11.530	11.498	11.551	VV	19174	500704	4.56%	0.148%
188	11.565	11.551	11.584	VV	17949	318795	2.90%	0.094%
189	11.647	11.584	11.692	VV	537328	6718275	61.19%	1.983%
190	11.708	11.692	11.746	VV	23301	595957	5.43%	0.176%
191	11.793	11.746	11.810	VV	25031	760435	6.93%	0.224%
192	11.826	11.810	11.842	VV	28504	469863	4.28%	0.139%
193	11.862	11.842	11.890	VV	24980	632386	5.76%	0.187%
194	11.894	11.890	11.908	VV	19557	210649	1.92%	0.062%

Instrument :

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STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

195	11.930	11.908	11.936	VV	19824	317185	2.89%	0.094%
196	11.973	11.936	12.000	VV	27552	895994		
197	12.015	12.000	12.027	VV	25660	383443		
198	12.043	12.027	12.060	VV	28878	491033		
199	12.078	12.060	12.095	VV	25050	474170		
200	12.119	12.095	12.129	VV	22845	447070		
201	12.146	12.129	12.162	VV	23422	454505	4.14%	0.134%
202	12.176	12.162	12.189	VV	24803	369690	3.37%	0.109%
203	12.235	12.189	12.259	VV	91972	1798843	16.38%	0.531%
204	12.266	12.259	12.270	VV	23406	152891	1.39%	0.045%
205	12.285	12.270	12.308	VV	25071	543644	4.95%	0.160%
206	12.326	12.308	12.340	VV	26389	468089	4.26%	0.138%
207	12.355	12.340	12.392	VV	30111	829562	7.56%	0.245%
208	12.401	12.392	12.406	VV	24968	210623	1.92%	0.062%
209	12.423	12.406	12.448	VV	26676	624351	5.69%	0.184%
210	12.485	12.448	12.522	VV	31406	1235085	11.25%	0.365%
211	12.576	12.522	12.599	VV	42782	1521151	13.85%	0.449%
212	12.631	12.599	12.662	VV	118072	2196535	20.00%	0.648%
213	12.700	12.662	12.737	VV	757657	9434955	85.93%	2.785%
214	12.754	12.737	12.779	VV	31317	752337	6.85%	0.222%
215	12.799	12.779	12.805	VV	30365	440790	4.01%	0.130%
216	12.820	12.805	12.842	VV	33919	700389	6.38%	0.207%
217	12.878	12.842	12.897	VV	36995	1054420	9.60%	0.311%
218	12.908	12.897	12.918	VV	32826	413585	3.77%	0.122%
219	12.940	12.918	12.962	VV	35876	895652	8.16%	0.264%
220	12.999	12.962	13.019	VV	738510	9285432	84.57%	2.740%
221	13.025	13.019	13.040	VV	52681	590997	5.38%	0.174%
222	13.074	13.040	13.098	VV	143602	2478061	22.57%	0.731%
223	13.117	13.098	13.148	VV	50264	1252877	11.41%	0.370%
224	13.174	13.148	13.189	VV	38437	887570	8.08%	0.262%
225	13.192	13.189	13.211	VV	35901	472936	4.31%	0.140%
226	13.241	13.211	13.276	VV	112576	2368671	21.57%	0.699%
227	13.293	13.276	13.307	VV	41354	743639	6.77%	0.219%
228	13.317	13.307	13.368	VV	42966	1415295	12.89%	0.418%
229	13.385	13.368	13.398	VV	40267	690125	6.29%	0.204%
230	13.412	13.398	13.434	VV	42990	835892	7.61%	0.247%
231	13.463	13.434	13.500	VV	78871	2031317	18.50%	0.599%
232	13.511	13.500	13.533	VV	42974	834100	7.60%	0.246%
233	13.540	13.533	13.545	VV	41700	292125	2.66%	0.086%
234	13.571	13.545	13.599	VV	45920	1350593	12.30%	0.399%
235	13.622	13.599	13.634	VV	41729	837487	7.63%	0.247%
236	13.650	13.634	13.663	VV	41487	699127	6.37%	0.206%
237	13.688	13.663	13.712	VV	50656	1339645	12.20%	0.395%
238	13.745	13.712	13.767	VV	46620	1454591	13.25%	0.429%
239	13.775	13.767	13.795	VV	44456	748985	6.82%	0.221%
240	13.825	13.795	13.884	VV	115785	3210807	29.24%	0.948%
241	13.892	13.884	13.916	VV	44423	808976	7.37%	0.239%
242	13.939	13.916	13.946	VV	45397	807069	7.35%	0.238%
243	13.961	13.946	13.972	VV	46728	701966	6.39%	0.207%
244	13.980	13.972	13.987	VV	45822	407630	3.71%	0.120%
245	13.990	13.987	14.002	VV	44886	397378	3.62%	0.117%
246	14.061	14.002	14.099	VV	53555	2771126	25.24%	0.818%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

					riteres			
247	14.120	14.099	14.154	VV	49114	1529432	13.93%	0.451%
248	14.157	14.154	14.161	VV	45940	202044		
249	14.194	14.161	14.208	VV	50590	1347703	12.93%	0.451%
250	14.214	14.208	14.242	VV	50188	1002743	9.93%	0.451%
251	14.261	14.242	14.274	VV	50398	939191	8.93%	0.451%
252	14.294	14.274	14.324	VV	53491	1501402	13.93%	0.451%
253	14.327	14.324	14.335	VV	48772	322394	2.94%	0.095%
254	14.341	14.335	14.345	VV	48086	302829	2.76%	0.089%
255	14.348	14.345	14.372	VV	48048	744557	6.78%	0.220%
256	14.384	14.372	14.401	VV	48322	830302	7.56%	0.245%
257	14.416	14.401	14.435	VV	48427	981450	8.94%	0.290%
258	14.454	14.435	14.464	VV	50112	854636	7.78%	0.252%
259	14.487	14.464	14.492	VV	52156	834414	7.60%	0.246%
260	14.514	14.492	14.540	VV	58706	1557108	14.18%	0.460%
261	14.550	14.540	14.569	VV	52260	890756	8.11%	0.263%
262	14.574	14.569	14.582	VV	47237	346749	3.16%	0.102%
263	14.608	14.582	14.613	VV	48965	908340	8.27%	0.268%
264	14.619	14.613	14.625	VV	49546	353322	3.22%	0.104%
265	14.669	14.625	14.714	VV	53025	2687926	24.48%	0.793%
266	14.732	14.714	14.754	VV	51550	1187483	10.81%	0.350%
267	14.757	14.754	14.763	VV	49032	249626	2.27%	0.074%
268	14.772	14.763	14.783	VV	49231	592460	5.40%	0.175%
269	14.872	14.783	14.890	VV	623399	10980026	100.00%	3.241%
270	14.917	14.890	14.967	VV	742607	10879958	99.09%	3.211%
271	14.992	14.967	14.999	VV	52196	981625	8.94%	0.290%
272	15.016	14.999	15.034	VV	52338	1076039	9.80%	0.318%
273	15.065	15.034	15.129	VV	60294	2978968	27.13%	0.879%
274	15.135	15.129	15.141	VV	49014	373338	3.40%	0.110%
275	15.180	15.141	15.187	VV	52719	1391787	12.68%	0.411%
276	15.192	15.187	15.204	VV	51939	505174	4.60%	0.149%
277	15.210	15.204	15.228	VV	51019	737162	6.71%	0.218%
278	15.233	15.228	15.240	VV	49652	345344	3.15%	0.102%
279	15.253	15.240	15.271	VV	50529	925356	8.43%	0.273%
280	15.299	15.271	15.330	VV	69101	1978716	18.02%	0.584%
281	15.359	15.330	15.399	VV	52719	2078940	18.93%	0.614%
282	15.406	15.399	15.423	VV	49130	709243	6.46%	0.209%
283	15.465	15.423	15.515	VV	63309	3000823	27.33%	0.886%
284	15.528	15.515	15.554	VV	51845	1168443	10.64%	0.345%
285	15.564	15.554	15.578	VV	48860	702541	6.40%	0.207%
286	15.585	15.578	15.603	VV	48937	718646	6.55%	0.212%
287	15.630	15.603	15.643	VV	49687	1176260	10.71%	0.347%
288	15.648	15.643	15.657	VV	49242	394807	3.60%	0.117%
289	15.663	15.657	15.677	VV	49653	586824	5.34%	0.173%
290	15.698	15.677	15.728	VV	50847	1492930	13.60%	0.441%
291	15.761	15.728	15.804	VV	55746	2363881	21.53%	0.698%
292	15.818	15.804	15.832	VV	48954	808573	7.36%	0.239%
293	15.839	15.832	15.845	VV	48880	388182	3.54%	0.115%
294	15.850	15.845	15.886	VV	48944	1154481	10.51%	0.341%
295	15.900	15.886	15.907	VV	48468	592071	5.39%	0.175%
296	15.910	15.907	15.915	VV	48075	228548	2.08%	0.067%
297	15.945	15.915	15.985	VV	113700	2839692	25.86%	0.838%
298	15.991	15.985	16.025	VV	50241	1127687	10.27%	0.333%
299	16.041	16.025	16.062	VV	46164	993982	9.05%	0.293%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

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300	16.070	16.062	16.077	VV	43400	380832	3.47%	0.112%
301	16.095	16.077	16.100	VV	44760	597113		
302	16.107	16.100	16.114	VV	45723	374472		
303	16.141	16.114	16.177	VV	48943	1776279	16.59%	0.538%
304	16.183	16.177	16.206	VV	46319	783442	20.11%	0.652%
305	16.222	16.206	16.226	VV	46240	540936	83.73%	2.713%
306	16.256	16.226	16.289	VV	52810	1821501	78.42%	2.541%
307	16.312	16.289	16.370	VV	50517	2208235	2.24%	0.073%
308	16.425	16.370	16.440	VV	512211	9193889		
309	16.459	16.440	16.499	VV	641819	8610709		
310	16.501	16.499	16.509	VV	40240	246270		
311	16.527	16.509	16.535	VV	40885	635206	5.79%	0.187%
312	16.552	16.535	16.571	VV	42254	896099	8.16%	0.264%
313	16.578	16.571	16.584	VV	42509	312784	2.85%	0.092%
314	16.588	16.584	16.600	VV	42259	402779	3.67%	0.119%
315	16.606	16.600	16.615	VV	41121	365345	3.33%	0.108%
316	16.659	16.615	16.711	VV	46201	2446277	22.28%	0.722%
317	16.736	16.711	16.752	VV	43149	1028838	9.37%	0.304%
318	16.804	16.752	16.834	VV	562357	8854717	80.64%	2.613%
319	16.846	16.834	16.854	VV	35790	420409	3.83%	0.124%
320	16.888	16.854	16.917	VV	100682	2165660	19.72%	0.639%
321	16.924	16.917	16.966	VV	39857	1074587	9.79%	0.317%
322	16.971	16.966	16.982	VV	33129	302254	2.75%	0.089%
323	16.994	16.982	17.005	VV	33284	463209	4.22%	0.137%
324	17.009	17.005	17.013	VV	33644	147205	1.34%	0.043%
325	17.022	17.013	17.072	VV	34057	1135429	10.34%	0.335%
326	17.128	17.072	17.136	VV	35563	1295185	11.80%	0.382%
327	17.140	17.136	17.169	VV	34953	632459	5.76%	0.187%
328	17.173	17.169	17.181	VV	29043	211986	1.93%	0.063%
329	17.213	17.181	17.229	VV	34304	895854	8.16%	0.264%
330	17.247	17.229	17.273	VV	32445	807141	7.35%	0.238%
331	17.284	17.273	17.287	VV	27803	231699	2.11%	0.068%
332	17.290	17.287	17.304	VV	27586	263899	2.40%	0.078%
333	17.313	17.304	17.348	VV	27541	698767	6.36%	0.206%
334	17.359	17.348	17.369	VV	26004	317136	2.89%	0.094%
335	17.372	17.369	17.407	VV	25287	537568	4.90%	0.159%
336	17.423	17.407	17.432	VV	23209	332840	3.03%	0.098%
337	17.464	17.432	17.504	VV	25749	1018159	9.27%	0.300%
338	17.513	17.504	17.548	VV	22094	534314	4.87%	0.158%
339	17.556	17.548	17.569	VV	20293	247839	2.26%	0.073%
340	17.573	17.569	17.597	VV	19644	320736	2.92%	0.095%
341	17.613	17.597	17.650	VV	19635	575925	5.25%	0.170%
342	17.672	17.650	17.726	VV	20226	840501	7.65%	0.248%
343	17.774	17.726	17.805	VV	75234	1550298	14.12%	0.458%
344	17.819	17.805	17.848	VV	14553	363694	3.31%	0.107%
345	17.862	17.848	17.885	VV	13776	287662	2.62%	0.085%
346	17.905	17.885	17.914	VV	13461	215993	1.97%	0.064%
347	17.929	17.914	17.949	VV	15154	293083	2.67%	0.086%
348	17.953	17.949	18.019	VV	14140	458614	4.18%	0.135%
349	18.062	18.019	18.088	VV	9820	376676	3.43%	0.111%
350	18.170	18.088	18.184	VV	490615	7864862	71.63%	2.321%
351	18.208	18.184	18.260	VV	511757	6932113	63.13%	2.046%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

	Area	Height	Width	Area%	Height%	Width%
352	18.298	18.260	18.320	VV	7332	171947
353	18.323	18.320	18.349	VV	3610	38334
354	18.354	18.349	18.365	VV	1595	14190
355	18.369	18.365	18.375	VV	1789	8639
356	18.426	18.375	18.462	VV	464007	6564353
357	18.467	18.462	18.471	VV	876	3160
358	18.474	18.471	18.484	VV	640	2922
Sum of corrected areas:					338835499	

Instrument :
FID_D
ClientSampleId :
STOCK-PILEMS

Manual IntegrationsAPPROVED
Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Aromatic EPH 071525.M Thu Jul 17 07:51:35 2025

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	STOCK-PILEMSD		SDG No.:	Q2600	
Lab Sample ID:	Q2600-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/16/25 20:39	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	40.1	E	1	0.17	1.22	mg/kg	FC069466.D
Aliphatic C12-C16	Aliphatic C12-C16	12.1		1	0.13	0.81	mg/kg	FC069466.D
Aliphatic C16-C21	Aliphatic C16-C21	54.0	E	1	0.16	1.22	mg/kg	FC069466.D
Aliphatic C21-C28	Aliphatic C21-C28	212	E	1	0.64	1.62	mg/kg	FC069466.D
Aliphatic C28-C40	Aliphatic C28-C40	135	E	1	1.43	2.43	mg/kg	FC069466.D
Aromatic C10-C12	Aromatic C10-C12	14.9		1	0.15	0.81	mg/kg	FD049556.D
Aromatic C12-C16	Aromatic C12-C16	17.4		1	0.28	1.22	mg/kg	FD049556.D
Aromatic C16-C21	Aromatic C16-C21	40.7	E	1	0.49	2.03	mg/kg	FD049556.D
Aromatic C21-C36	Aromatic C21-C36	109	E	1	1.45	3.24	mg/kg	FD049556.D
Total AliphaticEPH	Total AliphaticEPH	453			2.54	7.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	182			2.36	7.30	mg/kg	
Total EPH	Total EPH	635			4.90	14.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	T&A Construction Inc		Date Collected:		
Project:	Kingsland Point Park Water Main		Date Received:		
Client Sample ID:	STOCK-PILEMSD		SDG No.:	Q2600	
Lab Sample ID:	Q2600-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.1	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069466.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	40.1	E	0.17	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	12.1		0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	54.0	E	0.16	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	212	E	0.64	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	135	E	1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.7		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05MSD	Acq On:	16 Jul 2025 20:39
Client Sample ID:	STOCK-PILEMSD	Operator:	YP/AJ
Data file:	FC069466.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	3.297	6.597	68821904	495.123	300	ug/ml
Aliphatic C12-C16	6.598	10.000	21483746	149.117	200	ug/ml
Aliphatic C16-C21	10.001	13.371	90542091	665.766	300	ug/ml
Aliphatic C21-C28	13.372	17.037	311459067	2620	400	ug/ml
Aliphatic C28-C40	17.038	22.012	150300261	1670	600	ug/ml
Aliphatic EPH	3.297	22.012	642607069	5600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	3917888	34.67		ug/ml
Aliphatic C9-C28	3.297	17.037	492306808	3930	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
 Data File : FC069466.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jul 2025 20:39
 Operator : YP/AJ
 Sample : Q2600-05MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 STOCK-PILEMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 06:51:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.110	3917888	34.668 ug/mlm
Spiked Amount 50.000		Recovery =	69.34%
Target Compounds			
1) T n-Nonane (C9)	3.402	2480837	18.231 ug/mlm
2) T n-Decane (C10)	4.476	4067352	29.223 ug/ml
4) T n-Dodecane (C12)	6.501	4809773	33.935 ug/ml
6) T n-Tetradecane (C14)	8.300	4851035	34.118 ug/ml
7) T n-Hexadecane (C16)	9.905	5299600	36.308 ug/ml
8) T n-Octadecane (C18)	11.351	5174758	35.974 ug/ml
10) T n-Eicosane (C20)	12.665	5364835	39.961 ug/mlm
11) T n-Heneicosane (C21)	13.278	4939957	38.031 ug/mlm
13) T n-Docosane (C22)	13.866	5039838	39.681 ug/mlm
14) T n-Tetracosane (C24)	14.974	4915532	40.274 ug/mlm
15) T n-Hexacosane (C26)	15.996	4539062	39.069 ug/mlm
16) T n-Octacosane (C28)	16.947	4366334	39.438 ug/mlm
17) T n-Tricontane (C30)	17.833	4270932	39.004 ug/mlm
18) T n-Dotriacontane (C32)	18.666	4060662	39.131 ug/ml
19) T n-Tetratriacontane (C34)	19.450	4187655	44.442 ug/ml
20) T n-Hexatriacontane (C36)	20.189	3783236	45.803 ug/ml
21) T n-Octatriacontane (C38)	20.955	3853118	50.729 ug/ml
22) T n-Tetracontane (C40)	21.920	3744586	51.122 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071625AL\
Data File : FC069466.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 20:39
Operator : YP/AJ
Sample : Q2600-05MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

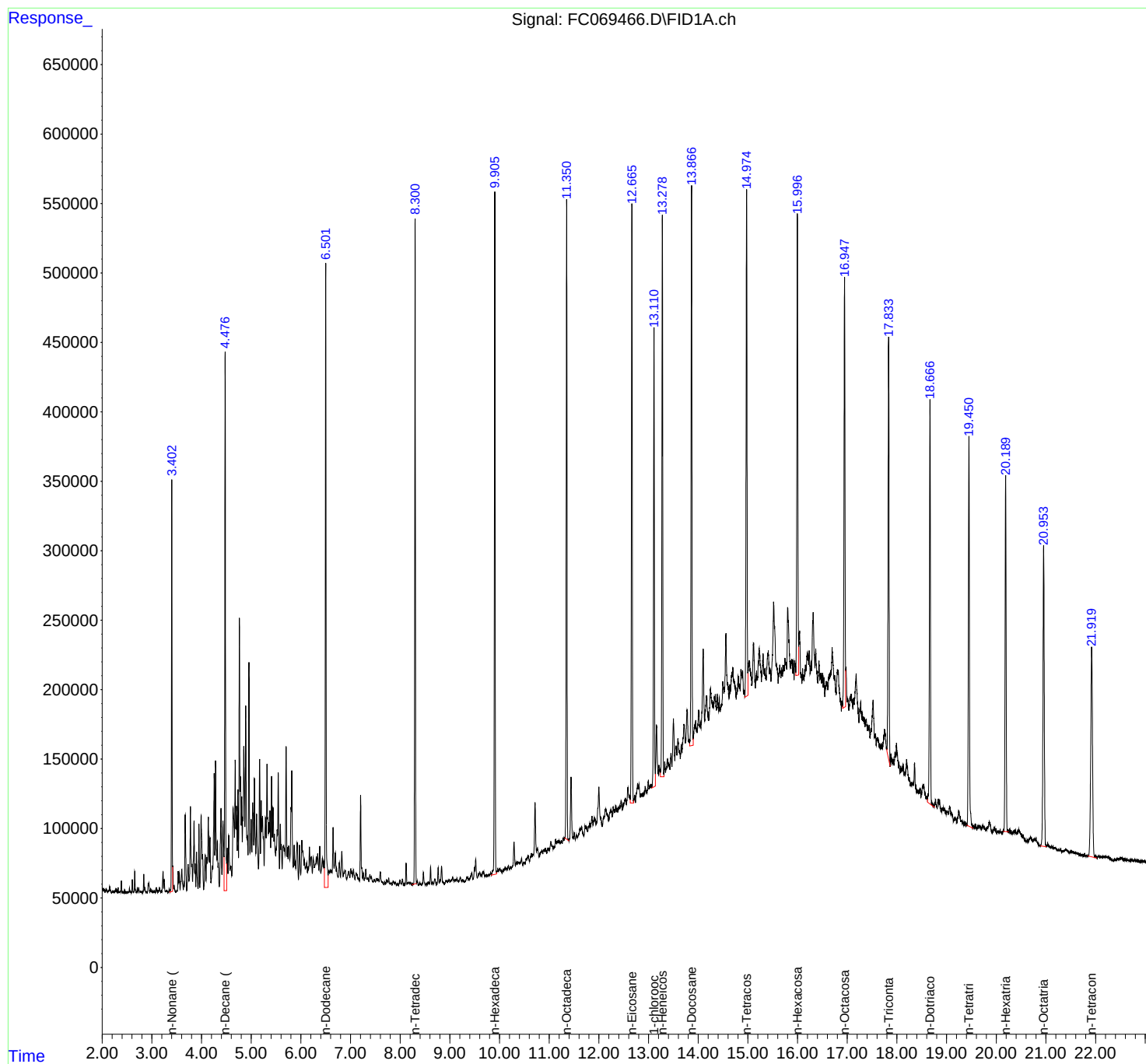
Instrument :
FID_C
ClientSampleId :
STOCK-PILEMSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 06:51:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :

FID_C

ClientSampleId :

STOCK-PILEMSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07162
Data File : FC069466.D
Signal(s) : FID1A.ch
Acq On : 16 Jul 2025 20:39
Sample : Q2600-05MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.226	3.205	3.239	PV	12616	126604	0.91%	0.019%
2	3.250	3.239	3.271	PV	7301	54176	0.39%	0.008%
3	3.298	3.271	3.326	PV	1286	17410	0.12%	0.003%
4	3.350	3.326	3.364	PV	2534	22645	0.16%	0.003%
5	3.402	3.364	3.439	VV	294493	2639134	18.91%	0.406%
6	3.449	3.439	3.484	VV	4943	54923	0.39%	0.008%
7	3.531	3.484	3.543	PV	15093	160785	1.15%	0.025%
8	3.554	3.543	3.570	VV	13877	134658	0.96%	0.021%
9	3.603	3.570	3.634	VV	16383	314808	2.26%	0.048%
10	3.672	3.634	3.704	VV	55483	766307	5.49%	0.118%
11	3.731	3.704	3.749	VV	19816	302997	2.17%	0.047%
12	3.777	3.749	3.821	VV	61087	1045926	7.49%	0.161%
13	3.850	3.821	3.885	VV	50952	861474	6.17%	0.133%
14	3.901	3.885	3.930	VV	28367	348812	2.50%	0.054%
15	3.949	3.930	3.967	VV	48563	442323	3.17%	0.068%
16	3.994	3.967	4.045	VV	54105	1169359	8.38%	0.180%
17	4.075	4.045	4.091	VV	26373	402183	2.88%	0.062%
18	4.106	4.091	4.115	VV	24553	281217	2.01%	0.043%
19	4.138	4.115	4.157	VV	53404	797875	5.72%	0.123%
20	4.171	4.157	4.191	VV	38805	472297	3.38%	0.073%
21	4.219	4.191	4.226	VV	17823	277877	1.99%	0.043%
22	4.255	4.226	4.268	VV	84763	1160076	8.31%	0.178%
23	4.283	4.268	4.308	VV	93282	1198626	8.59%	0.184%
24	4.320	4.308	4.358	VV	36125	594021	4.26%	0.091%
25	4.392	4.358	4.411	VV	58965	913443	6.54%	0.141%
26	4.432	4.411	4.452	VV	50501	806009	5.77%	0.124%
27	4.476	4.452	4.506	VV	384161	4085712	29.27%	0.629%
28	4.519	4.506	4.532	VV	30747	361539	2.59%	0.056%
29	4.548	4.532	4.575	VV	39851	633258	4.54%	0.097%
30	4.592	4.575	4.609	VV	17598	319201	2.29%	0.049%
31	4.637	4.609	4.662	VV	59067	1288983	9.23%	0.198%
32	4.678	4.662	4.692	VV	94142	1165774	8.35%	0.179%
33	4.702	4.692	4.717	VV	60680	720126	5.16%	0.111%
34	4.731	4.717	4.744	VV	72707	785112	5.62%	0.121%
35	4.763	4.744	4.799	VV	194760	3044248	21.81%	0.468%
36	4.809	4.799	4.821	VV	67216	711599	5.10%	0.109%

rteres									
37	4.852	4.821	4.872	VV	103322	2039606	14.61%	0.314%	
38	4.890	4.872	4.935	VV	132731	2399203	17.74%	0.166%	
39	4.955	4.935	4.977	VV	163836	1921102	13.51%	0.290%	
40	4.999	4.977	5.014	VV	50780	831336	5.68%	0.122%	
41	5.030	5.014	5.051	VV	61962	1105081	7.74%	0.166%	
42	5.065	5.051	5.092	VV	80557	1195786	8.00%	0.193%	
43	5.108	5.092	5.146	VV	54761	1080435	7.74%	0.166%	
44	5.170	5.146	5.187	VV	93550	1256999	9.00%	0.193%	
45	5.202	5.187	5.214	VV	64336	792789	5.68%	0.122%	
46	5.227	5.214	5.261	VV	53345	1111540	7.96%	0.171%	
47	5.287	5.261	5.300	VV	52150	932560	6.68%	0.143%	
48	5.319	5.300	5.348	VV	89948	1643345	11.77%	0.253%	
49	5.357	5.348	5.365	VV	48208	464378	3.33%	0.071%	
50	5.377	5.365	5.392	VV	57094	730065	5.23%	0.112%	
51	5.410	5.392	5.425	VV	81311	1099497	7.88%	0.169%	
52	5.440	5.425	5.458	VV	59122	944388	6.77%	0.145%	
53	5.467	5.458	5.491	VV	40071	630192	4.51%	0.097%	
54	5.545	5.491	5.569	VV	83912	1886041	13.51%	0.290%	
55	5.587	5.569	5.623	VV	46668	968712	6.94%	0.149%	
56	5.651	5.623	5.682	VV	31790	962766	6.90%	0.148%	
57	5.703	5.682	5.742	VV	102554	1679592	12.03%	0.258%	
58	5.756	5.742	5.777	VV	31061	564106	4.04%	0.087%	
59	5.817	5.777	5.847	VV	85223	1817853	13.02%	0.280%	
60	5.865	5.847	5.897	VV	31617	631571	4.52%	0.097%	
61	5.926	5.897	5.952	VV	33515	717349	5.14%	0.110%	
62	5.972	5.952	5.997	VV	31481	506486	3.63%	0.078%	
63	6.021	5.997	6.090	VV	34858	1219671	8.74%	0.188%	
64	6.117	6.090	6.133	VV	18706	401862	2.88%	0.062%	
65	6.144	6.133	6.154	VV	15628	177917	1.27%	0.027%	
66	6.174	6.154	6.189	VV	29835	447748	3.21%	0.069%	
67	6.208	6.189	6.231	VV	22591	483640	3.46%	0.074%	
68	6.249	6.231	6.275	VV	22282	464972	3.33%	0.072%	
69	6.312	6.275	6.325	VV	22796	552407	3.96%	0.085%	
70	6.339	6.325	6.363	VV	24899	450550	3.23%	0.069%	
71	6.381	6.363	6.403	VV	30233	474696	3.40%	0.073%	
72	6.434	6.403	6.448	VV	21695	448580	3.21%	0.069%	
73	6.460	6.448	6.473	VV	19421	253995	1.82%	0.039%	
74	6.501	6.473	6.550	VV	449480	4838969	34.67%	0.744%	
75	6.565	6.550	6.578	VV	12606	187562	1.34%	0.029%	
76	6.594	6.578	6.606	VV	13209	205820	1.47%	0.032%	
77	6.618	6.606	6.627	VV	12769	154606	1.11%	0.024%	
78	6.649	6.627	6.670	VV	43439	624300	4.47%	0.096%	
79	6.695	6.670	6.713	VV	25144	472068	3.38%	0.073%	
80	6.720	6.713	6.750	VV	14038	234425	1.68%	0.036%	
81	6.774	6.750	6.799	VV	18084	357458	2.56%	0.055%	
82	6.825	6.799	6.852	VV	26019	490392	3.51%	0.075%	
83	6.889	6.852	6.924	VV	12260	421009	3.02%	0.065%	
84	6.962	6.924	6.987	VV	11487	331860	2.38%	0.051%	
85	7.005	6.987	7.017	VV	13385	194976	1.40%	0.030%	
86	7.027	7.017	7.044	VV	11860	158836	1.14%	0.024%	
87	7.060	7.044	7.090	VV	12429	256913	1.84%	0.040%	
88	7.115	7.090	7.181	VV	9570	401490	2.88%	0.062%	
89	7.204	7.181	7.246	VV	66385	908803	6.51%	0.140%	

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

					rters			
90	7.260	7.246	7.278	VV	10237	145730	1.04%	0.022%
91	7.307	7.278	7.341	VV	12817	286989		
92	7.351	7.341	7.369	VV	6134	90319		
93	7.390	7.369	7.411	VV	8679	169477		
94	7.420	7.411	7.457	VV	6634	139883		
95	7.478	7.457	7.500	VV	5299	110225		
96	7.518	7.500	7.532	VV	6120	93465	0.67%	0.014%
97	7.545	7.532	7.575	VV	5559	121750	0.87%	0.019%
98	7.599	7.575	7.634	VV	10575	209259	1.50%	0.032%
99	7.644	7.634	7.671	VV	3153	53332	0.38%	0.008%
100	7.687	7.671	7.704	VV	3202	42909	0.31%	0.007%
101	7.726	7.704	7.750	VV	4539	91351	0.65%	0.014%
102	7.768	7.750	7.800	VV	6004	99641	0.71%	0.015%
103	7.816	7.800	7.837	VV	2208	40183	0.29%	0.006%
104	7.863	7.837	7.887	VV	3338	68683	0.49%	0.011%
105	7.903	7.887	7.925	VV	2417	40414	0.29%	0.006%
106	7.947	7.925	7.965	VV	1790	28596	0.20%	0.004%
107	7.994	7.965	8.021	VV	3906	76572	0.55%	0.012%
108	8.045	8.021	8.069	VV	4909	74765	0.54%	0.012%
109	8.084	8.069	8.093	VV	971	12979	0.09%	0.002%
110	8.119	8.093	8.165	VV	16254	211539	1.52%	0.033%
111	8.177	8.165	8.194	VV	2358	34591	0.25%	0.005%
112	8.208	8.194	8.237	VV	2585	36576	0.26%	0.006%
113	8.300	8.237	8.331	VV	483951	4910118	35.18%	0.755%
114	8.345	8.331	8.367	VV	3154	38137	0.27%	0.006%
115	8.392	8.367	8.427	PV	1480	28332	0.20%	0.004%
116	8.467	8.427	8.505	VV	9223	131141	0.94%	0.020%
117	8.522	8.505	8.537	VV	912	11410	0.08%	0.002%
118	8.569	8.537	8.587	VV	1994	38477	0.28%	0.006%
119	8.611	8.587	8.635	VV	13116	147083	1.05%	0.023%
120	8.656	8.635	8.672	VV	2084	31312	0.22%	0.005%
121	8.696	8.672	8.738	VV	4235	80143	0.57%	0.012%
122	8.764	8.738	8.786	VV	12230	148206	1.06%	0.023%
123	8.833	8.786	8.891	VV	13160	259273	1.86%	0.040%
124	8.930	8.891	8.949	VV	2741	65317	0.47%	0.010%
125	8.984	8.949	9.001	VV	3555	77599	0.56%	0.012%
126	9.055	9.001	9.084	VV	5093	155949	1.12%	0.024%
127	9.117	9.084	9.127	VV	3103	70526	0.51%	0.011%
128	9.142	9.127	9.181	VV	3700	87381	0.63%	0.013%
129	9.210	9.181	9.241	VV	4633	110780	0.79%	0.017%
130	9.261	9.241	9.294	VV	2394	65756	0.47%	0.010%
131	9.343	9.294	9.391	VV	4575	183397	1.31%	0.028%
132	9.441	9.391	9.465	VV	7574	224407	1.61%	0.035%
133	9.496	9.465	9.505	VV	11427	169474	1.21%	0.026%
134	9.521	9.505	9.553	VV	17287	282364	2.02%	0.043%
135	9.576	9.553	9.586	VV	6862	111408	0.80%	0.017%
136	9.602	9.586	9.622	VV	8214	148736	1.07%	0.023%
137	9.631	9.622	9.643	VV	5835	69508	0.50%	0.011%
138	9.661	9.643	9.671	VV	8281	118428	0.85%	0.018%
139	9.681	9.671	9.708	VV	8309	142721	1.02%	0.022%
140	9.725	9.708	9.735	VV	5750	86601	0.62%	0.013%
141	9.746	9.735	9.765	VV	5704	97931	0.70%	0.015%

Instrument :

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ClientSampleId :

STOCK-PILEMSD

1.04% 0.022%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

				rters				
142	9.820	9.765	9.835	VV	7020	246389	1.77%	0.038%
143	9.905	9.835	9.941	VV	492437	5680820	40.00%	0.038%
144	9.962	9.941	9.976	VV	9332	178258	1.77%	0.038%
145	10.007	9.976	10.054	VV	9812	401556	1.77%	0.038%
146	10.076	10.054	10.091	VV	9265	194379	1.77%	0.038%
147	10.119	10.091	10.131	VV	10242	229103	1.77%	0.038%
148	10.142	10.131	10.158	VV	10148	157456	1.13%	0.024%
149	10.178	10.158	10.200	VV	11399	263226	1.89%	0.040%
150	10.222	10.200	10.238	VV	10955	231044	1.66%	0.036%
151	10.292	10.238	10.318	VV	28545	774980	5.55%	0.119%
152	10.335	10.318	10.359	VV	14056	333011	2.39%	0.051%
153	10.374	10.359	10.405	VV	14348	377880	2.71%	0.058%
154	10.443	10.405	10.467	VV	16801	529372	3.79%	0.081%
155	10.489	10.467	10.513	VV	14079	370942	2.66%	0.057%
156	10.537	10.513	10.548	VV	16717	317894	2.28%	0.049%
157	10.573	10.548	10.604	VV	18919	565455	4.05%	0.087%
158	10.641	10.604	10.658	VV	20158	570207	4.08%	0.088%
159	10.672	10.658	10.681	VV	19523	263500	1.89%	0.041%
160	10.715	10.681	10.744	VV	56481	1245440	8.92%	0.192%
161	10.762	10.744	10.795	VV	23399	645606	4.62%	0.099%
162	10.855	10.795	10.871	VV	21970	925854	6.63%	0.142%
163	10.891	10.871	10.908	VV	22725	479908	3.44%	0.074%
164	10.923	10.908	10.952	VV	23577	584535	4.19%	0.090%
165	10.976	10.952	10.995	VV	23250	568044	4.07%	0.087%
166	10.999	10.995	11.006	VV	23009	163648	1.17%	0.025%
167	11.033	11.006	11.088	VV	28146	1214012	8.70%	0.187%
168	11.130	11.088	11.165	VV	29494	1211486	8.68%	0.186%
169	11.179	11.165	11.192	VV	28463	452016	3.24%	0.070%
170	11.203	11.192	11.230	VV	28844	632755	4.53%	0.097%
171	11.243	11.230	11.265	VV	28343	575701	4.12%	0.089%
172	11.282	11.265	11.294	VV	30452	525552	3.76%	0.081%
173	11.351	11.294	11.399	VV	491726	7014648	50.25%	1.079%
174	11.439	11.399	11.478	VV	73824	2073039	14.85%	0.319%
175	11.501	11.478	11.528	VV	33601	930266	6.66%	0.143%
176	11.548	11.528	11.566	VV	31983	722585	5.18%	0.111%
177	11.653	11.566	11.696	VV	38158	2658208	19.04%	0.409%
178	11.724	11.696	11.741	VV	38266	959797	6.88%	0.148%
179	11.750	11.741	11.775	VV	37685	738129	5.29%	0.114%
180	11.816	11.775	11.828	VV	40376	1230983	8.82%	0.189%
181	11.861	11.828	11.881	VV	45353	1309779	9.38%	0.202%
182	11.906	11.881	11.915	VV	43699	843447	6.04%	0.130%
183	11.923	11.915	11.950	VV	43377	878020	6.29%	0.135%
184	11.999	11.950	12.029	VV	65648	2433357	17.43%	0.374%
185	12.038	12.029	12.064	VV	44538	877636	6.29%	0.135%
186	12.137	12.064	12.197	VV	50487	3601673	25.80%	0.554%
187	12.241	12.197	12.267	VV	49935	1956890	14.02%	0.301%
188	12.289	12.267	12.320	VV	51399	1543843	11.06%	0.238%
189	12.336	12.320	12.351	VV	52430	929623	6.66%	0.143%
190	12.365	12.351	12.379	VV	50462	817940	5.86%	0.126%
191	12.451	12.379	12.471	VV	55512	2830268	20.28%	0.435%
192	12.489	12.471	12.501	VV	52633	943110	6.76%	0.145%
193	12.533	12.501	12.554	VV	57322	1742109	12.48%	0.268%
194	12.585	12.554	12.632	VV	64999	2762027	19.79%	0.425%

Instrument :

FID_C

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STOCK-PILEMSD

Manual IntegrationsAPPROVED

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							Instrument : FID_C	
							ClientSampleId : STOCK-PILEMSD	
195	12.665	12.632	12.701	VV	486902	7622781	54.61%	1.173%
196	12.720	12.701	12.737	VV	59765	1238384		
197	12.778	12.737	12.791	VV	67851	1985829	14.88%	0.321%
198	12.805	12.791	12.841	VV	67221	1901773	13.95%	0.321%
199	12.851	12.841	12.866	VV	60131	879021	6.00%	0.103%
200	12.887	12.866	12.899	VV	60744	1169848	8.00%	0.103%
201	12.934	12.899	12.970	VV	65376	2653173	19.01%	0.408%
202	12.995	12.970	13.011	VV	69595	1621897	11.62%	0.250%
203	13.031	13.011	13.065	VV	66056	2087560	14.95%	0.321%
204	13.110	13.065	13.136	VV	396135	6700431	48.00%	1.031%
205	13.161	13.136	13.195	VV	108353	3143872	22.52%	0.484%
206	13.212	13.195	13.236	VV	79772	1923558	13.78%	0.296%
207	13.278	13.236	13.311	VV	478003	8175091	58.56%	1.258%
208	13.326	13.311	13.344	VV	82576	1537365	11.01%	0.237%
209	13.379	13.344	13.402	VV	84533	2775175	19.88%	0.427%
210	13.411	13.402	13.430	VV	81121	1371309	9.82%	0.211%
211	13.451	13.430	13.470	VV	88221	1998898	14.32%	0.308%
212	13.501	13.470	13.529	VV	113022	3397148	24.34%	0.523%
213	13.547	13.529	13.572	VV	92897	2339854	16.76%	0.360%
214	13.591	13.572	13.640	VV	98833	3731067	26.73%	0.574%
215	13.659	13.640	13.674	VV	93990	1831790	13.12%	0.282%
216	13.715	13.674	13.745	VV	108863	4268450	30.58%	0.657%
217	13.777	13.745	13.827	VV	118496	5155797	36.94%	0.793%
218	13.866	13.827	13.900	VV	498325	9172347	65.71%	1.411%
219	13.949	13.900	13.976	VV	111264	4841236	34.68%	0.745%
220	14.011	13.976	14.038	VV	118716	4101720	29.38%	0.631%
221	14.045	14.038	14.054	VV	109918	1055198	7.56%	0.162%
222	14.100	14.054	14.131	VV	162606	5962037	42.71%	0.917%
223	14.168	14.131	14.212	VV	128142	5779778	41.41%	0.889%
224	14.247	14.212	14.295	VV	134243	6186388	44.32%	0.952%
225	14.301	14.295	14.311	VV	123572	1226442	8.79%	0.189%
226	14.342	14.311	14.365	VV	128745	4005072	28.69%	0.616%
227	14.383	14.365	14.410	VV	129615	3329744	23.85%	0.512%
228	14.423	14.410	14.444	VV	127859	2487486	17.82%	0.383%
229	14.496	14.444	14.518	VV	138732	5666789	40.60%	0.872%
230	14.557	14.518	14.624	VV	173295	9082670	65.07%	1.397%
231	14.636	14.624	14.645	VV	135436	1624004	11.63%	0.250%
232	14.699	14.645	14.765	VV	148257	10003237	71.66%	1.539%
233	14.807	14.765	14.844	VV	142042	6385371	45.74%	0.982%
234	14.861	14.844	14.886	VV	145388	3571576	25.59%	0.549%
235	14.894	14.886	14.938	VV	145822	4211990	30.17%	0.648%
236	14.974	14.938	15.001	VV	494668	9788862	70.13%	1.506%
237	15.032	15.001	15.085	VV	152024	7291627	52.24%	1.122%
238	15.113	15.085	15.150	VV	165788	5899638	42.26%	0.908%
239	15.173	15.150	15.191	VV	145924	3459675	24.78%	0.532%
240	15.227	15.191	15.272	VV	161161	7314901	52.40%	1.125%
241	15.306	15.272	15.371	VV	157129	8649328	61.96%	1.331%
242	15.409	15.371	15.465	VV	158209	8375030	60.00%	1.288%
243	15.519	15.465	15.609	VV	194546	13790149	98.79%	2.122%
244	15.641	15.609	15.665	VV	149633	4866312	34.86%	0.749%
245	15.680	15.665	15.698	VV	145718	2822876	20.22%	0.434%
246	15.706	15.698	15.714	VV	148709	1430671	10.25%	0.220%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

							Instrument : FID_C	
							ClientSampleId : STOCK-PILEMSD	
rteres							Manual Integration	
247	15.747	15.714	15.781	VV	153780	6014603	43.09%	0.925%
248	15.802	15.781	15.865	VV	190097	8346514	59.04%	0.925%
249	15.883	15.865	15.902	VV	153270	3312767	23.04%	0.925%
250	15.915	15.902	15.930	VV	151349	2437381	17.04%	0.925%
							Reviewed By :Yogesh	
251	15.944	15.930	15.964	VV	151424	2963336	21.04%	0.925%
252	15.996	15.964	16.023	VV	472060	9585270	68.04%	0.925%
253	16.038	16.023	16.087	VV	172822	5897307	42.25%	0.907%
254	16.101	16.087	16.130	VV	145727	3679959	26.36%	0.566%
255	16.158	16.130	16.167	VV	148430	3140399	22.50%	0.483%
							Supervised By :m	
256	16.194	16.167	16.222	VV	157363	5074252	36.35%	0.781%
257	16.235	16.222	16.258	VV	158828	3215806	23.04%	0.495%
258	16.271	16.258	16.280	VV	150785	1997929	14.31%	0.307%
259	16.315	16.280	16.349	VV	186365	6797799	48.70%	1.046%
260	16.366	16.349	16.406	VV	159829	5074973	36.36%	0.781%
261	16.432	16.406	16.451	VV	150801	3835332	27.48%	0.590%
262	16.473	16.451	16.485	VV	142892	2794354	20.02%	0.430%
263	16.500	16.485	16.518	VV	142525	2747225	19.68%	0.423%
264	16.530	16.518	16.547	VV	139105	2352565	16.85%	0.362%
265	16.579	16.547	16.612	VV	135287	5168372	37.03%	0.795%
266	16.697	16.612	16.777	VV	158640	13959056	100.00%	2.148%
267	16.803	16.777	16.882	VV	143834	8361828	59.90%	1.286%
268	16.892	16.882	16.908	VV	121818	1852235	13.27%	0.285%
269	16.946	16.908	17.033	VV	421695	13598163	97.41%	2.092%
270	17.078	17.033	17.114	VV	126056	5882358	42.14%	0.905%
271	17.127	17.114	17.141	VV	123406	1979588	14.18%	0.305%
272	17.179	17.141	17.238	VV	140616	7206232	51.62%	1.109%
273	17.271	17.238	17.292	VV	121000	3698718	26.50%	0.569%
274	17.304	17.292	17.365	VV	112606	4714697	33.78%	0.725%
275	17.384	17.365	17.408	VV	108184	2737276	19.61%	0.421%
276	17.421	17.408	17.460	VV	103648	3161306	22.65%	0.486%
277	17.519	17.460	17.549	VV	121280	5684379	40.72%	0.875%
278	17.567	17.549	17.584	VV	96784	1978903	14.18%	0.304%
279	17.600	17.584	17.676	VV	94380	5004696	35.85%	0.770%
280	17.687	17.676	17.704	VV	89592	1533010	10.98%	0.236%
281	17.752	17.704	17.801	VV	99875	5364748	38.43%	0.825%
282	17.833	17.801	17.865	VV	383684	7266793	52.06%	1.118%
283	17.880	17.865	17.902	VV	81445	1782471	12.77%	0.274%
284	17.924	17.902	17.940	VV	78307	1715436	12.29%	0.264%
285	17.962	17.940	17.974	VV	83287	1632330	11.69%	0.251%
286	17.991	17.974	18.032	VV	90468	2869759	20.56%	0.442%
287	18.042	18.032	18.064	VV	76052	1382824	9.91%	0.213%
288	18.128	18.064	18.151	VV	74714	3731926	26.73%	0.574%
289	18.195	18.151	18.283	VV	78145	5320299	38.11%	0.819%
290	18.298	18.283	18.311	VV	61238	1037590	7.43%	0.160%
291	18.315	18.311	18.331	VV	61063	725473	5.20%	0.112%
292	18.355	18.331	18.411	VV	75198	2948480	21.12%	0.454%
293	18.417	18.411	18.458	VV	55110	1535368	11.00%	0.236%
294	18.469	18.458	18.485	VV	56937	873132	6.25%	0.134%
295	18.518	18.485	18.528	VV	58551	1427947	10.23%	0.220%
296	18.538	18.528	18.588	VV	59240	1961318	14.05%	0.302%
297	18.598	18.588	18.618	VV	51157	909226	6.51%	0.140%
298	18.666	18.618	18.751	VV	331282	7664079	54.90%	1.179%
299	18.778	18.751	18.810	VV	48193	1584195	11.35%	0.244%

Manual IntegrationsAPPROVED

300	18.833	18.810	18.848	VV	48056	1071338	7.67%	0.165%
301	18.859	18.848	18.901	VV	48163	1381192		
302	18.913	18.901	18.931	VV	42608	747823		
303	18.938	18.931	18.949	VV	42590	453632		
304	18.958	18.949	18.991	VV	41548	1012020		
305	19.005	18.991	19.032	VV	40023	957287		
306	19.060	19.032	19.138	VV	43157	2452292	17.57%	0.377%
307	19.174	19.138	19.211	VV	35576	1478154	10.59%	0.227%
308	19.244	19.211	19.285	VV	40040	1582688	11.34%	0.243%
309	19.293	19.285	19.315	VV	33085	580065	4.16%	0.089%
310	19.325	19.315	19.353	VV	31734	708567	5.08%	0.109%
311	19.372	19.353	19.411	VV	31270	1047918	7.51%	0.161%
312	19.450	19.411	19.531	VV	308162	6218686	44.55%	0.957%
313	19.542	19.531	19.561	VV	28756	505026	3.62%	0.078%
314	19.578	19.561	19.611	VV	29729	838044	6.00%	0.129%
315	19.648	19.611	19.671	VV	28888	988679	7.08%	0.152%
316	19.680	19.671	19.710	VV	27760	631342	4.52%	0.097%
317	19.726	19.710	19.783	VV	28277	1190731	8.53%	0.183%
318	19.860	19.783	19.933	VV	31072	2426767	17.38%	0.373%
319	19.964	19.933	19.979	VV	26594	703922	5.04%	0.108%
320	19.995	19.979	20.012	VV	26224	500591	3.59%	0.077%
321	20.027	20.012	20.038	VV	24519	364673	2.61%	0.056%
322	20.079	20.038	20.113	VV	24737	1069126	7.66%	0.164%
323	20.189	20.113	20.248	VV	278238	5697294	40.81%	0.877%
324	20.271	20.248	20.290	VV	25703	614881	4.40%	0.095%
325	20.301	20.290	20.318	VV	24162	379695	2.72%	0.058%
326	20.350	20.318	20.421	VV	24294	1437446	10.30%	0.221%
327	20.428	20.421	20.437	VV	23868	215817	1.55%	0.033%
328	20.451	20.437	20.534	VV	24911	1287854	9.23%	0.198%
329	20.545	20.534	20.602	VV	20128	739207	5.30%	0.114%
330	20.623	20.602	20.636	VV	16905	329909	2.36%	0.051%
331	20.692	20.636	20.747	VV	19217	1165938	8.35%	0.179%
332	20.764	20.747	20.780	VV	17860	333586	2.39%	0.051%
333	20.795	20.780	20.891	VV	17810	992968	7.11%	0.153%
334	20.955	20.891	21.011	VV	227940	4734730	33.92%	0.728%
335	21.037	21.011	21.091	VV	13500	594530	4.26%	0.091%
336	21.107	21.091	21.165	VV	11807	494903	3.55%	0.076%
337	21.176	21.165	21.265	VV	10972	592067	4.24%	0.091%
338	21.284	21.265	21.321	VV	9707	293209	2.10%	0.045%
339	21.338	21.321	21.354	VV	8626	165224	1.18%	0.025%
340	21.407	21.354	21.485	VV	9515	654151	4.69%	0.101%
341	21.502	21.485	21.510	VV	7705	107968	0.77%	0.017%
342	21.523	21.510	21.539	VV	7890	132215	0.95%	0.020%
343	21.547	21.539	21.673	VV	7572	519320	3.72%	0.080%
344	21.685	21.673	21.717	VV	5437	130851	0.94%	0.020%
345	21.742	21.717	21.761	VV	5355	125674	0.90%	0.019%
346	21.778	21.761	21.801	VV	5138	113340	0.81%	0.017%
347	21.816	21.801	21.851	VV	4590	127894	0.92%	0.020%
348	21.920	21.851	22.032	VV	151939	4094470	29.33%	0.630%
349	22.056	22.032	22.078	VV	3796	88441	0.63%	0.014%
350	22.096	22.078	22.139	VV	3433	114674	0.82%	0.018%
351	22.157	22.139	22.180	VV	3462	78708	0.56%	0.012%

Instrument :

FID_C

ClientSampleId :

STOCK-PILEMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Peak No.	Retention Time (min)	Area	Height	Width	Integration	Concentration (%)
352	22.192	22.180	22.231	VV	3533	96178
353	22.240	22.231	22.354	VV	2883	119909
Sum of corrected areas:						6499

Aliphatic EPH 071525.M Thu Jul 17 08:03:51 2025

Instrument :
FID_C
ClientSampleId :
STOCK-PILEMSD
0.69% 0.015%

Manual IntegrationsAPPROVED
Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	STOCK-PILEMSD	SDG No.:	Q2600
Lab Sample ID:	Q2600-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049556.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	14.9		0.15	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	17.4		0.28	1.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	40.7	E	0.49	2.03	mg/kg
Aromatic C21-C36	Aromatic C21-C36	109	E	1.45	3.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.6		40 - 140	85%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-05MSD	Acq On:	16 Jul 2025 20:39
Client Sample ID:	STOCK-PILEMSD	Operator:	YP/AJ
Data file:	FD049556.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	4.425	6.169	25246879	183.249	200	ug/ml
Aromatic C12-C16	6.170	8.797	33583036	214.852	300	ug/ml
Aromatic C16-C21	8.798	13.086	81060800	502.598	500	ug/ml
Aromatic C21-C36	13.087	18.506	189231925	1350	800	ug/ml
Aromatic EPH	4.425	18.506	329122640	2250		ug/ml
2-Bromonaphthalene (SURRE)	7.736	7.736	5568436	42.56		ug/ml
2-Fluorobiphenyl (SURRE)	8.602	8.602	3715464	40.1		ug/ml
ortho-Terphenyl (SURRE)	11.647	11.647	5931047	36.17		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
 Data File : FD049556.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jul 2025 20:39
 Operator : YP/AJ
 Sample : Q2600-05MSD
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 STOCK-PILEMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
 Quant Time: Jul 17 07:17:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.736	5568436	42.561 ug/ml
Spiked Amount 50.000		Recovery =	85.12%
6) S 2-Fluorobiphenyl (SURR)	8.602	3715464	40.096 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	80.19%
11) S ortho-Terphenyl (SURR)	11.647	5931047	36.172 ug/ml
Spiked Amount 50.000		Recovery =	72.34%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.531	4446192	34.416 ug/ml
2) T Naphthalene (C11.7)	6.074	5984716	40.891 ug/ml
3) T 2-Methylnaphthalene (...)	7.128	6656257	43.831 ug/ml
5) T Acenaphthylene (C15.06)	8.407	7578873	47.746 ug/ml
7) T Acenaphthene (C15.5)	8.704	7586453	47.916 ug/ml
8) T Flouorene (C16.55)	9.485	8013744	50.166 ug/ml
9) T Phenanthrene (C19.36)	10.884	8362237	51.050 ug/ml
10) T Anthracene (C19.43)	10.960	8160445	51.229 ug/ml
12) T Fluoranthene (C21.85)	12.700	8206910	50.491 ug/mlm
13) T Pyrene (C20.8)	13.000	8334336	51.354 ug/ml
14) T Benzo[a]anthracene (C...	14.872	7924129	54.108 ug/mlm
15) T Chrysene (C27.41)	14.917	8765976	58.901 ug/mlm
16) T benzo[b]fluoranthene ...	16.426	7492226	52.878 ug/ml
17) T Bnezo[k]fluoranthene ...	16.459	7229852	54.082 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.806	7166777	52.054 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.172	7432163	59.340 ug/ml
20) T Dibenz[a,h]anthracene...	18.209	6758546	51.302 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.428	6580531	49.723 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071625AR\
Data File : FD049556.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 20:39
Operator : YP/AJ
Sample : Q2600-05MSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

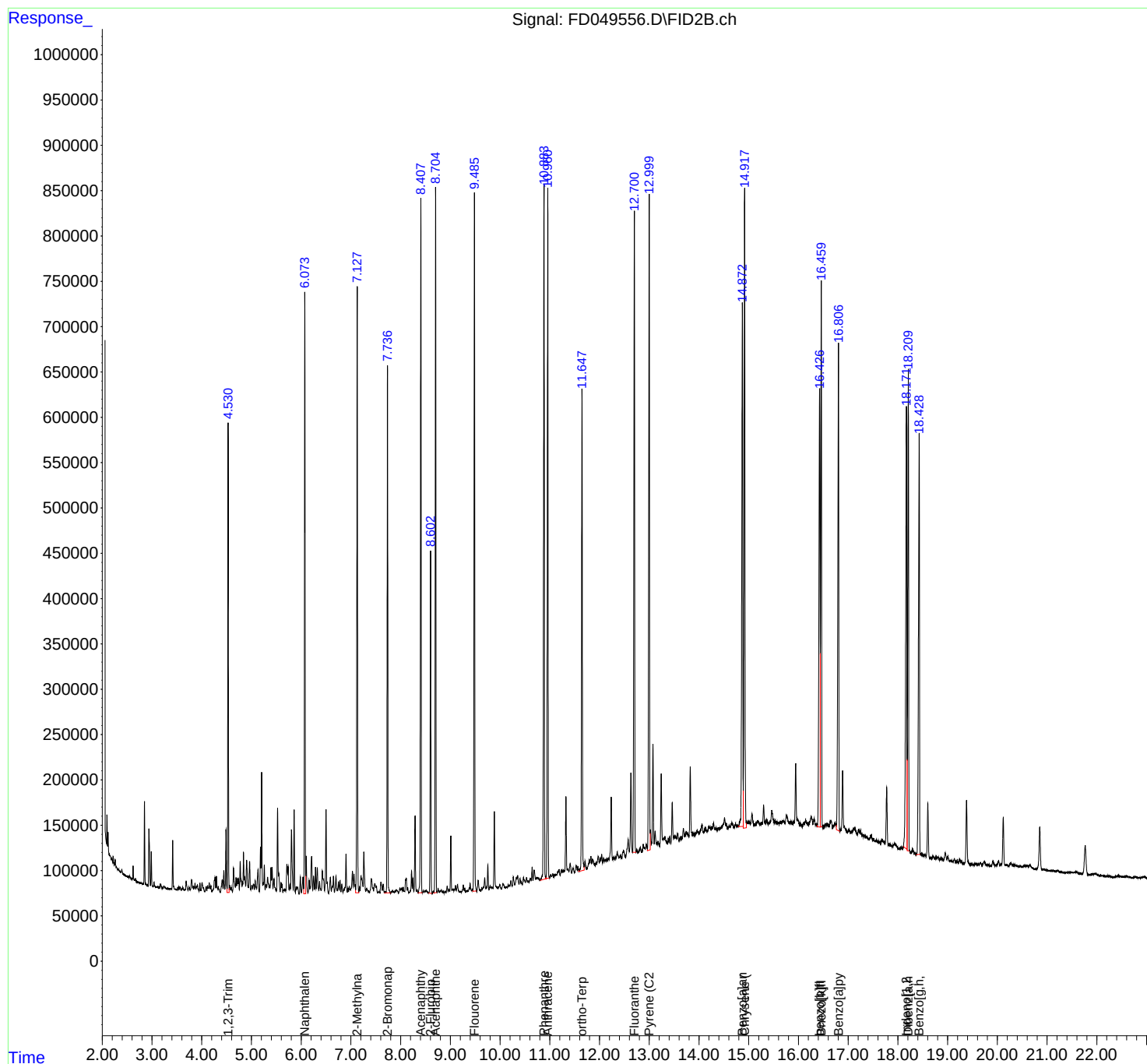
Instrument :
FID_D
ClientSampleId :
STOCK-PILEMSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E
Quant Time: Jul 17 07:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



riteres

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMSD

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD07162
Data File : FD049556.D
Signal(s) : FID2B.ch
Acq On : 16 Jul 2025 20:39
Sample : Q2600-05MSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.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	4.268	4.252	4.282	BV	8115	65057	0.62%	0.019%
2	4.297	4.282	4.321	PV	13419	127085	1.21%	0.037%
3	4.333	4.321	4.346	VV	4387	38952	0.37%	0.011%
4	4.352	4.346	4.373	VV	2275	14964	0.14%	0.004%
5	4.414	4.373	4.429	PV	14360	240950	2.29%	0.070%
6	4.445	4.429	4.467	VV	24155	266418	2.53%	0.077%
7	4.488	4.467	4.509	VV	69434	685437	6.50%	0.198%
8	4.531	4.509	4.552	VV	518764	4446211	42.18%	1.286%
9	4.560	4.552	4.581	VV	8107	97839	0.93%	0.028%
10	4.594	4.581	4.619	VV	5982	81618	0.77%	0.024%
11	4.640	4.619	4.675	VV	27151	403948	3.83%	0.117%
12	4.690	4.675	4.703	VV	16544	187332	1.78%	0.054%
13	4.722	4.703	4.732	VV	15789	222867	2.11%	0.064%
14	4.742	4.732	4.756	VV	15161	145612	1.38%	0.042%
15	4.774	4.756	4.788	VV	34673	363451	3.45%	0.105%
16	4.795	4.788	4.809	VV	14067	147485	1.40%	0.043%
17	4.820	4.809	4.827	VV	12308	109978	1.04%	0.032%
18	4.841	4.827	4.854	VV	44626	437210	4.15%	0.126%
19	4.862	4.854	4.883	VV	17806	235652	2.24%	0.068%
20	4.903	4.883	4.940	VV	36027	594247	5.64%	0.172%
21	4.963	4.940	4.984	VV	34745	462702	4.39%	0.134%
22	5.009	4.984	5.024	VV	8789	142578	1.35%	0.041%
23	5.040	5.024	5.062	VV	10007	171580	1.63%	0.050%
24	5.075	5.062	5.104	VV	13683	198394	1.88%	0.057%
25	5.131	5.104	5.157	VV	25861	397987	3.78%	0.115%
26	5.182	5.157	5.191	VV	50650	484734	4.60%	0.140%
27	5.204	5.191	5.226	VV	133640	1306748	12.40%	0.378%
28	5.237	5.226	5.245	VV	11532	115998	1.10%	0.034%
29	5.259	5.245	5.275	VV	31272	304723	2.89%	0.088%
30	5.293	5.275	5.307	VV	9783	144499	1.37%	0.042%
31	5.325	5.307	5.357	VV	17875	342189	3.25%	0.099%
32	5.365	5.357	5.373	VV	7571	69262	0.66%	0.020%
33	5.393	5.373	5.404	VV	28661	321881	3.05%	0.093%
34	5.415	5.404	5.434	VV	28744	322887	3.06%	0.093%
35	5.455	5.434	5.471	VV	16265	236789	2.25%	0.069%
36	5.474	5.471	5.500	VV	6451	80213	0.76%	0.023%

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37	5.526	5.500	5.543	VV	93958	1001086	9.50%	0.290%
38	5.550	5.543	5.577	VV	22117	255379		
39	5.595	5.577	5.605	VV	11659	122778		
40	5.614	5.605	5.632	VV	10040	97792		
41	5.659	5.632	5.671	VV	4431	83479		
42	5.681	5.671	5.692	VV	4785	52965		
43	5.713	5.692	5.728	VV	32239	454911	4.32%	0.132%
44	5.738	5.728	5.756	VV	29884	302200	2.87%	0.087%
45	5.773	5.756	5.784	VV	10143	118111	1.12%	0.034%
46	5.806	5.784	5.841	VV	70681	1050062	9.96%	0.304%
47	5.859	5.841	5.883	VV	92563	876453	8.31%	0.254%
48	5.899	5.883	5.910	VV	7687	84713	0.80%	0.025%
49	5.925	5.910	5.957	VV	7549	132410	1.26%	0.038%
50	5.984	5.957	6.003	PV	18726	203973	1.93%	0.059%
51	6.036	6.003	6.050	VV	18681	265614	2.52%	0.077%
52	6.074	6.050	6.091	VV	663866	5986935	56.79%	1.732%
53	6.101	6.091	6.136	VV	41762	454225	4.31%	0.131%
54	6.161	6.136	6.175	VV	15108	175324	1.66%	0.051%
55	6.180	6.175	6.185	VV	6353	36084	0.34%	0.010%
56	6.211	6.185	6.233	VV	41251	646578	6.13%	0.187%
57	6.250	6.233	6.272	VV	19231	267135	2.53%	0.077%
58	6.289	6.272	6.304	VV	29346	308646	2.93%	0.089%
59	6.325	6.304	6.357	VV	28944	427261	4.05%	0.124%
60	6.370	6.357	6.400	VV	13596	194173	1.84%	0.056%
61	6.427	6.400	6.471	VV	25571	546544	5.18%	0.158%
62	6.501	6.471	6.518	VV	92917	1027778	9.75%	0.297%
63	6.523	6.518	6.550	VV	12676	118411	1.12%	0.034%
64	6.587	6.550	6.608	VV	18197	285266	2.71%	0.083%
65	6.627	6.608	6.635	VV	8134	103961	0.99%	0.030%
66	6.649	6.635	6.670	VV	19423	220696	2.09%	0.064%
67	6.700	6.670	6.717	VV	19454	261195	2.48%	0.076%
68	6.722	6.717	6.732	VV	5300	40696	0.39%	0.012%
69	6.752	6.732	6.766	VV	13264	160931	1.53%	0.047%
70	6.782	6.766	6.800	VV	14581	173599	1.65%	0.050%
71	6.818	6.800	6.842	VV	10528	142841	1.35%	0.041%
72	6.857	6.842	6.866	VV	5229	52103	0.49%	0.015%
73	6.879	6.866	6.885	VV	7150	64955	0.62%	0.019%
74	6.903	6.885	6.925	VV	43519	451799	4.29%	0.131%
75	6.942	6.925	6.955	VV	6207	73414	0.70%	0.021%
76	6.968	6.955	6.981	VV	7823	84890	0.81%	0.025%
77	6.987	6.981	6.997	VV	4966	44349	0.42%	0.013%
78	7.032	6.997	7.047	VV	24949	381257	3.62%	0.110%
79	7.063	7.047	7.078	VV	21411	263577	2.50%	0.076%
80	7.083	7.078	7.095	VV	9675	80332	0.76%	0.023%
81	7.128	7.095	7.159	VV	669029	6691602	63.47%	1.936%
82	7.174	7.159	7.185	VV	7494	75935	0.72%	0.022%
83	7.204	7.185	7.214	VV	19426	226203	2.15%	0.065%
84	7.221	7.214	7.244	VV	16983	239474	2.27%	0.069%
85	7.261	7.244	7.300	VV	45976	657863	6.24%	0.190%
86	7.315	7.300	7.349	VV	5586	116711	1.11%	0.034%
87	7.359	7.349	7.373	VV	2927	32555	0.31%	0.009%
88	7.411	7.373	7.456	VV	16393	390554	3.70%	0.113%
89	7.482	7.456	7.504	VV	10895	229591	2.18%	0.066%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

90	7.513	7.504	7.553	VV	8512	116415	1.10%	0.034%
91	7.567	7.553	7.582	VV	2374	28942		
92	7.604	7.582	7.634	VV	12796	225711		
93	7.649	7.634	7.671	VV	10484	137346		
94	7.681	7.671	7.688	VV	1629	13833		
95	7.700	7.688	7.707	VV	1900	19104		
96	7.736	7.707	7.802	VV	582653	5600413	53.12%	1.620%
97	7.832	7.802	7.847	VV	3475	54958	0.52%	0.016%
98	7.859	7.847	7.874	VV	2475	27684	0.26%	0.008%
99	7.887	7.874	7.899	VV	3390	36513	0.35%	0.011%
100	7.919	7.899	7.956	VV	3918	93721	0.89%	0.027%
101	7.985	7.956	7.999	VV	6300	92261	0.88%	0.027%
102	8.008	7.999	8.013	VV	5001	40193	0.38%	0.012%
103	8.027	8.013	8.040	VV	6330	79951	0.76%	0.023%
104	8.053	8.040	8.067	VV	6876	77131	0.73%	0.022%
105	8.074	8.067	8.082	VV	2721	22338	0.21%	0.006%
106	8.100	8.082	8.107	VV	15842	145378	1.38%	0.042%
107	8.114	8.107	8.131	VV	16888	171556	1.63%	0.050%
108	8.141	8.131	8.168	VV	6826	81173	0.77%	0.023%
109	8.220	8.168	8.234	VV	25275	310538	2.95%	0.090%
110	8.247	8.234	8.265	VV	16972	178991	1.70%	0.052%
111	8.291	8.265	8.317	VV	86089	930687	8.83%	0.269%
112	8.331	8.317	8.352	VV	4062	59993	0.57%	0.017%
113	8.407	8.352	8.442	VV	767329	7623596	72.31%	2.206%
114	8.457	8.442	8.471	VV	3481	38368	0.36%	0.011%
115	8.491	8.471	8.503	VV	3213	41938	0.40%	0.012%
116	8.516	8.503	8.532	VV	4289	50407	0.48%	0.015%
117	8.539	8.532	8.559	VV	2430	24753	0.23%	0.007%
118	8.602	8.559	8.629	VV	377772	3728242	35.36%	1.079%
119	8.655	8.629	8.668	PV	1967	25946	0.25%	0.008%
120	8.704	8.668	8.731	VV	778593	7612672	72.21%	2.202%
121	8.755	8.731	8.782	VV	5144	77407	0.73%	0.022%
122	8.797	8.782	8.802	VV	2589	24573	0.23%	0.007%
123	8.816	8.802	8.839	VV	3431	53235	0.50%	0.015%
124	8.856	8.839	8.875	VV	2242	29730	0.28%	0.009%
125	8.894	8.875	8.915	PV	1530	25069	0.24%	0.007%
126	8.936	8.915	8.956	VV	7447	96567	0.92%	0.028%
127	8.970	8.956	8.986	VV	4315	52338	0.50%	0.015%
128	9.009	8.986	9.030	VV	62870	632246	6.00%	0.183%
129	9.038	9.030	9.049	VV	3466	33146	0.31%	0.010%
130	9.060	9.049	9.072	VV	4239	44213	0.42%	0.013%
131	9.104	9.072	9.118	VV	7870	125214	1.19%	0.036%
132	9.144	9.118	9.182	VV	8807	149417	1.42%	0.043%
133	9.201	9.182	9.221	VV	936	11086	0.11%	0.003%
134	9.260	9.221	9.278	PV	8004	111063	1.05%	0.032%
135	9.291	9.278	9.308	VV	4524	47347	0.45%	0.014%
136	9.317	9.308	9.322	VV	693	4542	0.04%	0.001%
137	9.339	9.322	9.355	VV	1370	16438	0.16%	0.005%
138	9.398	9.355	9.426	VV	9058	151350	1.44%	0.044%
139	9.440	9.426	9.452	VV	2070	22810	0.22%	0.007%
140	9.485	9.452	9.530	VV	771591	8022062	76.09%	2.321%
141	9.559	9.530	9.613	VV	11822	187367	1.78%	0.054%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

						rteres		STOCK-PILEMSD	
142	9.632	9.613	9.644	VV	2218	26676	0.25%	0.008%	
143	9.659	9.644	9.667	VV	3424	40111	0.25%	0.008%	
144	9.692	9.667	9.711	VV	13951	191102	1.22%	0.037%	
145	9.724	9.711	9.733	VV	3269	38085	0.36%	0.011%	
146	9.754	9.733	9.778	VV	28161	305023	2.27%	0.069%	
147	9.799	9.778	9.816	VV	4384	65350	0.77%	0.024%	
148	9.831	9.816	9.844	VV	3536	49874	0.47%	0.014%	
149	9.851	9.844	9.860	VV	2674	21397	0.20%	0.006%	
150	9.885	9.860	9.947	VV	85950	1036201	9.83%	0.300%	
151	9.969	9.947	9.974	VV	3006	37570	0.36%	0.011%	
152	9.993	9.974	10.026	VV	4583	81681	0.77%	0.024%	
153	10.059	10.026	10.093	VV	6098	129069	1.22%	0.037%	
154	10.104	10.093	10.109	VV	1944	17629	0.17%	0.005%	
155	10.133	10.109	10.145	VV	2035	38291	0.36%	0.011%	
156	10.163	10.145	10.175	VV	4155	50342	0.48%	0.015%	
157	10.187	10.175	10.195	VV	3427	37535	0.36%	0.011%	
158	10.218	10.195	10.243	VV	8633	148069	1.40%	0.043%	
159	10.266	10.243	10.297	VV	11902	221050	2.10%	0.064%	
160	10.327	10.297	10.338	VV	11794	199967	1.90%	0.058%	
161	10.354	10.338	10.381	VV	13903	238839	2.27%	0.069%	
162	10.401	10.381	10.445	VV	10312	247391	2.35%	0.072%	
163	10.471	10.445	10.509	VV	11470	284337	2.70%	0.082%	
164	10.533	10.509	10.554	VV	10434	211359	2.00%	0.061%	
165	10.559	10.554	10.582	VV	6792	102890	0.98%	0.030%	
166	10.606	10.582	10.623	VV	9368	186263	1.77%	0.054%	
167	10.645	10.623	10.662	VV	21677	313659	2.98%	0.091%	
168	10.685	10.662	10.716	VV	18310	415382	3.94%	0.120%	
169	10.733	10.716	10.742	VV	9295	134398	1.27%	0.039%	
170	10.756	10.742	10.772	VV	9814	166080	1.58%	0.048%	
171	10.782	10.772	10.806	VV	8596	153337	1.45%	0.044%	
172	10.884	10.806	10.923	VV	774057	8858277	84.03%	2.563%	
173	10.960	10.923	10.992	VV	770734	8492389	80.56%	2.457%	
174	11.017	10.992	11.039	VV	11814	282473	2.68%	0.082%	
175	11.058	11.039	11.077	VV	12656	247693	2.35%	0.072%	
176	11.095	11.077	11.111	VV	11862	219634	2.08%	0.064%	
177	11.124	11.111	11.135	VV	11457	156630	1.49%	0.045%	
178	11.160	11.135	11.171	VV	15167	285581	2.71%	0.083%	
179	11.186	11.171	11.206	VV	16458	292636	2.78%	0.085%	
180	11.234	11.206	11.249	VV	15801	350760	3.33%	0.101%	
181	11.267	11.249	11.279	VV	15979	263784	2.50%	0.076%	
182	11.324	11.279	11.347	VV	96568	1482577	14.06%	0.429%	
183	11.360	11.347	11.383	VV	16585	340487	3.23%	0.099%	
184	11.410	11.383	11.440	VV	21756	573600	5.44%	0.166%	
185	11.471	11.440	11.497	VV	16763	494325	4.69%	0.143%	
186	11.532	11.497	11.552	VV	19782	528125	5.01%	0.153%	
187	11.566	11.552	11.585	VV	17685	322147	3.06%	0.093%	
188	11.592	11.585	11.597	VV	14470	99453	0.94%	0.029%	
189	11.647	11.597	11.691	VV	544777	6683298	63.40%	1.933%	
190	11.710	11.691	11.746	VV	23985	622692	5.91%	0.180%	
191	11.795	11.746	11.809	VV	25232	747208	7.09%	0.216%	
192	11.825	11.809	11.843	VV	28664	507731	4.82%	0.147%	
193	11.860	11.843	11.914	VV	24706	906528	8.60%	0.262%	
194	11.926	11.914	11.940	VV	19993	309964	2.94%	0.090%	

195	11.973	11.940	12.000	VV	28122	845850	8.02%	0.245%
196	12.015	12.000	12.027	VV	26260	394994		
197	12.043	12.027	12.061	VV	29925	519598		
198	12.081	12.061	12.097	VV	25685	501613		
199	12.120	12.097	12.132	VV	23785	469042		
200	12.147	12.132	12.164	VV	24088	443900		
201	12.179	12.164	12.192	VV	25186	407441	3.86%	0.118%
202	12.235	12.192	12.268	VV	92336	1904325	18.06%	0.551%
203	12.285	12.268	12.311	VV	25342	635763	6.03%	0.184%
204	12.328	12.311	12.338	VV	26499	401347	3.81%	0.116%
205	12.355	12.338	12.391	VV	30511	868160	8.24%	0.251%
206	12.425	12.391	12.446	VV	27194	841451	7.98%	0.243%
207	12.487	12.446	12.516	VV	32011	1197960	11.36%	0.347%
208	12.521	12.516	12.529	VV	25940	196808	1.87%	0.057%
209	12.576	12.529	12.598	VV	44002	1421066	13.48%	0.411%
210	12.631	12.598	12.662	VV	117528	2256284	21.40%	0.653%
211	12.701	12.662	12.735	VV	734584	9488741	90.01%	2.745%
212	12.748	12.735	12.779	VV	31090	790615	7.50%	0.229%
213	12.822	12.779	12.843	VV	34426	1203505	11.42%	0.348%
214	12.879	12.843	12.899	VV	37660	1095171	10.39%	0.317%
215	12.907	12.899	12.920	VV	33426	405031	3.84%	0.117%
216	12.944	12.920	12.963	VV	36791	905771	8.59%	0.262%
217	13.000	12.963	13.019	VV	755094	9339928	88.59%	2.702%
218	13.025	13.019	13.043	VV	53089	669534	6.35%	0.194%
219	13.075	13.043	13.100	VV	146518	2468011	23.41%	0.714%
220	13.118	13.100	13.161	VV	50705	1537788	14.59%	0.445%
221	13.173	13.161	13.207	VV	38786	997249	9.46%	0.289%
222	13.241	13.207	13.273	VV	113548	2424599	23.00%	0.701%
223	13.279	13.273	13.284	VV	41498	257916	2.45%	0.075%
224	13.292	13.284	13.297	VV	41757	343229	3.26%	0.099%
225	13.301	13.297	13.307	VV	41455	235682	2.24%	0.068%
226	13.321	13.307	13.345	VV	43796	939917	8.92%	0.272%
227	13.356	13.345	13.370	VV	38026	546422	5.18%	0.158%
228	13.384	13.370	13.398	VV	41184	663467	6.29%	0.192%
229	13.412	13.398	13.432	VV	43773	822027	7.80%	0.238%
230	13.462	13.432	13.489	VV	80711	1807254	17.14%	0.523%
231	13.499	13.489	13.531	VV	43148	1073372	10.18%	0.311%
232	13.536	13.531	13.551	VV	42299	516020	4.89%	0.149%
233	13.570	13.551	13.600	VV	46418	1239438	11.76%	0.359%
234	13.621	13.600	13.634	VV	42238	812337	7.71%	0.235%
235	13.649	13.634	13.659	VV	42631	621521	5.90%	0.180%
236	13.687	13.659	13.713	VV	51463	1473272	13.97%	0.426%
237	13.745	13.713	13.761	VV	47624	1317849	12.50%	0.381%
238	13.775	13.761	13.797	VV	45571	930378	8.83%	0.269%
239	13.825	13.797	13.872	VV	118724	2917129	27.67%	0.844%
240	13.890	13.872	13.919	VV	44986	1212375	11.50%	0.351%
241	13.962	13.919	13.969	VV	47279	1362297	12.92%	0.394%
242	13.972	13.969	13.979	VV	46707	278106	2.64%	0.080%
243	13.983	13.979	14.000	VV	46745	572223	5.43%	0.166%
244	14.061	14.000	14.092	VV	53965	2673985	25.36%	0.774%
245	14.123	14.092	14.165	VV	50397	2086676	19.79%	0.604%
246	14.195	14.165	14.206	VV	51410	1182277	11.21%	0.342%

Instrument :

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STOCK-PILEMSD

8.02% 0.245%

Manual IntegrationsAPPROVED

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				rters				
247	14.223	14.206	14.240	VV	50681	1034271	9.81%	0.299%
248	14.259	14.240	14.275	VV	51051	1042957		
249	14.294	14.275	14.328	VV	54412	1601052	15.00%	0.348%
250	14.344	14.328	14.368	VV	49384	1143088	10.00%	0.335%
251	14.392	14.368	14.402	VV	49263	986154		
252	14.409	14.402	14.424	VV	49192	625170		
253	14.457	14.424	14.468	VV	50592	1307797	12.41%	0.378%
254	14.514	14.468	14.536	VV	59802	2198666	20.86%	0.636%
255	14.549	14.536	14.574	VV	52985	1159592	11.00%	0.335%
256	14.582	14.574	14.586	VV	47983	362942	3.44%	0.105%
257	14.617	14.586	14.629	VV	50107	1266868	12.02%	0.367%
258	14.657	14.629	14.669	VV	53328	1218782	11.56%	0.353%
259	14.673	14.669	14.709	VV	52702	1203684	11.42%	0.348%
260	14.736	14.709	14.767	VV	52457	1748169	16.58%	0.506%
261	14.780	14.767	14.794	VV	50111	794219	7.53%	0.230%
262	14.797	14.794	14.800	VV	49811	195990	1.86%	0.057%
263	14.826	14.800	14.835	VV	56462	1124134	10.66%	0.325%
264	14.872	14.835	14.891	VV	624573	9433833	89.49%	2.729%
265	14.917	14.891	14.954	VV	751506	10542290	100.00%	3.050%
266	14.957	14.954	14.974	VV	52892	621779	5.90%	0.180%
267	14.994	14.974	15.009	VV	53843	1080021	10.24%	0.312%
268	15.021	15.009	15.032	VV	52603	739050	7.01%	0.214%
269	15.036	15.032	15.041	VV	51352	276395	2.62%	0.080%
270	15.067	15.041	15.118	VV	61794	2495903	23.68%	0.722%
271	15.127	15.118	15.132	VV	50399	402310	3.82%	0.116%
272	15.139	15.132	15.144	VV	50161	360706	3.42%	0.104%
273	15.179	15.144	15.216	VV	53547	2216792	21.03%	0.641%
274	15.228	15.216	15.239	VV	50238	687392	6.52%	0.199%
275	15.260	15.239	15.272	VV	51724	997030	9.46%	0.288%
276	15.300	15.272	15.335	VV	70241	2159061	20.48%	0.625%
277	15.369	15.335	15.395	VV	53456	1858991	17.63%	0.538%
278	15.400	15.395	15.415	VV	50092	593718	5.63%	0.172%
279	15.464	15.415	15.518	VV	63908	3375795	32.02%	0.977%
280	15.531	15.518	15.549	VV	52604	938980	8.91%	0.272%
281	15.566	15.549	15.585	VV	50177	1069355	10.14%	0.309%
282	15.591	15.585	15.610	VV	50302	737254	6.99%	0.213%
283	15.633	15.610	15.652	VV	51059	1255065	11.91%	0.363%
284	15.671	15.652	15.680	VV	50703	854780	8.11%	0.247%
285	15.699	15.680	15.732	VV	51640	1552644	14.73%	0.449%
286	15.759	15.732	15.804	VV	57329	2298956	21.81%	0.665%
287	15.808	15.804	15.818	VV	49697	396505	3.76%	0.115%
288	15.836	15.818	15.849	VV	49851	914435	8.67%	0.265%
289	15.853	15.849	15.881	VV	49302	945981	8.97%	0.274%
290	15.902	15.881	15.916	VV	49772	987809	9.37%	0.286%
291	15.945	15.916	15.972	VV	113690	2456287	23.30%	0.711%
292	15.982	15.972	16.019	VV	52140	1386537	13.15%	0.401%
293	16.032	16.019	16.052	VV	47436	907122	8.60%	0.262%
294	16.056	16.052	16.073	VV	45328	576059	5.46%	0.167%
295	16.081	16.073	16.086	VV	44942	353548	3.35%	0.102%
296	16.106	16.086	16.121	VV	47825	944384	8.96%	0.273%
297	16.143	16.121	16.188	VV	49806	1926298	18.27%	0.557%
298	16.195	16.188	16.215	VV	46756	717517	6.81%	0.208%
299	16.259	16.215	16.294	VV	53858	2360009	22.39%	0.683%

Instrument :

FID_D

ClientSampleId :

STOCK-PILEMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

						Instrument : FID_D ClientSampleId : STOCK-PILEMSD		
rteres						Manual IntegrationsAPPROVED		
300	16.315	16.294	16.341	VV	50967	1351016	12.82%	0.391%
301	16.345	16.341	16.349	VV	45401	224022	2.49%	0.000%
302	16.357	16.349	16.367	VV	44837	470942	4.49%	0.000%
303	16.426	16.367	16.440	VV	524859	9327829	88.43%	0.000%
304	16.460	16.440	16.487	VV	642378	8386377	79.43%	0.000%
305	16.517	16.487	16.532	VV	42267	1117961	10.49%	0.320%
306	16.558	16.532	16.575	VV	44198	1105648	10.49%	0.320%
307	16.580	16.575	16.614	VV	43426	987892	9.37%	0.286%
308	16.617	16.614	16.621	VV	41556	194340	1.84%	0.056%
309	16.648	16.621	16.682	VV	47245	1635345	15.51%	0.473%
310	16.738	16.682	16.749	VV	44196	1669683	15.84%	0.483%
311	16.754	16.749	16.762	VV	42960	331193	3.14%	0.096%
312	16.806	16.762	16.842	VV	572493	8891054	84.34%	2.572%
313	16.846	16.842	16.855	VV	36595	298214	2.83%	0.086%
314	16.889	16.855	16.914	VV	101684	2124557	20.15%	0.615%
315	16.924	16.914	16.987	VV	40475	1587848	15.06%	0.459%
316	17.003	16.987	17.009	VV	34686	440419	4.18%	0.127%
317	17.016	17.009	17.050	VV	35179	850703	8.07%	0.246%
318	17.056	17.050	17.067	VV	32280	332029	3.15%	0.096%
319	17.074	17.067	17.078	VV	32645	212110	2.01%	0.061%
320	17.106	17.078	17.110	VV	36441	657298	6.23%	0.190%
321	17.124	17.110	17.180	VV	37113	1426562	13.53%	0.413%
322	17.212	17.180	17.237	VV	35601	1106995	10.50%	0.320%
323	17.251	17.237	17.277	VV	33511	767003	7.28%	0.222%
324	17.285	17.277	17.300	VV	29613	388259	3.68%	0.112%
325	17.315	17.300	17.330	VV	29237	509593	4.83%	0.147%
326	17.333	17.330	17.353	VV	28009	365273	3.46%	0.106%
327	17.366	17.353	17.399	VV	27369	711956	6.75%	0.206%
328	17.405	17.399	17.424	VV	24500	360201	3.42%	0.104%
329	17.458	17.424	17.498	VV	27786	1107297	10.50%	0.320%
330	17.515	17.498	17.539	VV	23323	543823	5.16%	0.157%
331	17.551	17.539	17.559	VV	21703	259288	2.46%	0.075%
332	17.564	17.559	17.567	VV	21775	104931	1.00%	0.030%
333	17.574	17.567	17.594	VV	21828	328879	3.12%	0.095%
334	17.614	17.594	17.629	VV	20821	419009	3.97%	0.121%
335	17.632	17.629	17.651	VV	19962	249302	2.36%	0.072%
336	17.677	17.651	17.683	VV	21467	382076	3.62%	0.111%
337	17.687	17.683	17.694	VV	21379	140021	1.33%	0.041%
338	17.695	17.694	17.737	VV	21288	500387	4.75%	0.145%
339	17.775	17.737	17.804	VV	79328	1511039	14.33%	0.437%
340	17.825	17.804	17.844	VV	16192	374022	3.55%	0.108%
341	17.859	17.844	17.877	VV	16056	297870	2.83%	0.086%
342	17.905	17.877	17.912	VV	15166	297101	2.82%	0.086%
343	17.930	17.912	17.945	VV	16869	302799	2.87%	0.088%
344	17.951	17.945	17.954	VV	16127	84856	0.80%	0.025%
345	17.959	17.954	18.023	VV	15521	520509	4.94%	0.151%
346	18.060	18.023	18.069	VV	11687	298803	2.83%	0.086%
347	18.071	18.069	18.091	VV	11539	146353	1.39%	0.042%
348	18.172	18.091	18.186	VV	498634	8048220	76.34%	2.328%
349	18.210	18.186	18.248	VV	537819	7026682	66.65%	2.033%
350	18.251	18.248	18.270	VV	5921	72855	0.69%	0.021%
351	18.297	18.270	18.352	VV	8859	281205	2.67%	0.081%

rteres						
352	18.357	18.352	18.373	VV	3635	37248
353	18.428	18.373	18.450	VV	467236	6698504
354	18.460	18.450	18.509	VV	3124	87593
355	18.513	18.509	18.524	VV	1592	11123
356	18.527	18.524	18.533	VV	1234	6758
357	18.539	18.533	18.567	VV	1767	22473

Sum of corrected areas: 345661951

Instrument :
FID_D
ClientSampleId :
STOCK-PILEMSD
0.35% 0.011%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Aromatic EPH 071525.M Thu Jul 17 07:52:27 2025



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

Manual Integration Report

Sequence:

FC071525AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FC071625AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2600-01	FC069462.D	1-chlorooctadecane (SURRE)	yogesh	7/17/2025 8:15:40 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05	FC069463.D	1-chlorooctadecane (SURRE)	yogesh	7/17/2025 8:15:43 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05D	FC069464.D	1-chlorooctadecane (SURRE)	yogesh	7/17/2025 8:15:44 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	1-chlorooctadecane (SURRE)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Docosane (C22)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Eicosane (C20)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Heneicosane (C21)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Hexacosane (C26)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Nonane (C9)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Octacosane (C28)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Tetracosane (C24)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MS	FC069465.D	n-Tricontane (C30)	yogesh	7/17/2025 8:15:45 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	1-chlorooctadecane (SURRE)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software

Manual Integration Report

Sequence:

FC071625AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2600-05MSD	FC069466.D	n-Docosane (C22)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Eicosane (C20)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Heneicosane (C21)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Hexacosane (C26)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Nonane (C9)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Octacosane (C28)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Tetracosane (C24)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-05MSD	FC069466.D	n-Tricontane (C30)	yogesh	7/17/2025 8:15:46 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software
Q2600-09	FC069467.D	1-chlorooctadecane (SURR)	yogesh	7/17/2025 8:15:49 AM	mohammad	7/18/2025 3:10:27	Peak Integrated by Software



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Manual Integration Report

Sequence:

FC071725AL

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:

FD071525AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FD071625AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2600-05MS	FD049555.D	Bnezo[k]fluoranthene (C30.14)	yogesh	7/17/2025 8:16:30 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MS	FD049555.D	Chrysene (C27.41)	yogesh	7/17/2025 8:16:30 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MS	FD049555.D	Dibenz[a,h]anthracene (C30.36)	yogesh	7/17/2025 8:16:30 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MS	FD049555.D	Fluoranthene (C21.85)	yogesh	7/17/2025 8:16:30 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MSD	FD049556.D	Benzo[a]anthracene (C26.37)	yogesh	7/17/2025 8:16:31 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MSD	FD049556.D	Bnezo[k]fluoranthene (C30.14)	yogesh	7/17/2025 8:16:31 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MSD	FD049556.D	Chrysene (C27.41)	yogesh	7/17/2025 8:16:31 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MSD	FD049556.D	Dibenz[a,h]anthracene (C30.36)	yogesh	7/17/2025 8:16:31 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
Q2600-05MSD	FD049556.D	Fluoranthene (C21.85)	yogesh	7/17/2025 8:16:31 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
PB168877BS	FD049561.D	Bnezo[k]fluoranthene (C30.14)	yogesh	7/17/2025 8:16:32 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
PB168877BS	FD049561.D	Dibenz[a,h]anthracene (C30.36)	yogesh	7/17/2025 8:16:32 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
PB168877BSD	FD049562.D	Bnezo[k]fluoranthene (C30.14)	yogesh	7/17/2025 8:16:33 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software
PB168877BSD	FD049562.D	Dibenz[a,h]anthracene (C30.36)	yogesh	7/17/2025 8:16:33 AM	mohammad	7/18/2025 3:10:34	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD071625AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FD071725AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168879BS	FD049573.D	Bnezo[k]fluoranthene (C30.14)	yogesh	7/18/2025 8:12:11 AM	 	 	Peak Integrated by Software
PB168879BS	FD049573.D	Dibenz[a,h]anthracene (C30.36)	yogesh	7/18/2025 8:12:11 AM	 	 	Peak Integrated by Software
PB168879BS	FD049573.D	Fluoranthene (C21.85)	yogesh	7/18/2025 8:12:11 AM	 	 	Peak Integrated by Software
PB168879BSD	FD049574.D	Bnezo[k]fluoranthene (C30.14)	yogesh	7/18/2025 8:12:13 AM	 	 	Peak Integrated by Software
PB168879BSD	FD049574.D	Dibenz[a,h]anthracene (C30.36)	yogesh	7/18/2025 8:12:13 AM	 	 	Peak Integrated by Software
PB168879BSD	FD049574.D	Fluoranthene (C21.85)	yogesh	7/18/2025 8:12:13 AM	 	 	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071525AL

Review By	yogesh	Review On	7/15/2025 11:40:50 AM
Supervise By	mohammad	Supervise On	7/17/2025 1:46:10 AM
SubDirectory	FC071525AL	HP Acquire Method	HP Processing Method FC071525AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069446.D	15 Jul 2025 07:39	YP/AJ	Ok
2	I.BLK	FC069447.D	15 Jul 2025 08:20	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069448.D	15 Jul 2025 09:05	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069449.D	15 Jul 2025 09:50	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069450.D	15 Jul 2025 10:35	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069451.D	15 Jul 2025 11:20	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069452.D	15 Jul 2025 12:05	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069453.D	15 Jul 2025 12:52	YP/AJ	Ok
9	I.BLK	FC069454.D	15 Jul 2025 13:39	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069455.D	15 Jul 2025 14:26	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071625AL

Review By	yogesh	Review On	7/16/2025 11:58:56 AM
Supervise By	mohammad	Supervise On	7/18/2025 3:10:27 AM
SubDirectory	FC071625AL	HP Acquire Method	HP Processing Method FC071525AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069456.D	16 Jul 2025 09:44	YP/AJ	Ok
2	I.BLK	FC069457.D	16 Jul 2025 10:29	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069458.D	16 Jul 2025 13:47	YP/AJ	Ok
4	PB168879BL	FC069459.D	16 Jul 2025 15:18	YP/AJ	Not Ok
5	PB168879BS	FC069460.D	16 Jul 2025 16:02	YP/AJ	Not Ok
6	PB168879BSD	FC069461.D	16 Jul 2025 16:48	YP/AJ	Not Ok
7	Q2600-01	FC069462.D	16 Jul 2025 17:35	YP/AJ	Dilution
8	Q2600-05	FC069463.D	16 Jul 2025 18:23	YP/AJ	Dilution
9	Q2600-05D	FC069464.D	16 Jul 2025 19:08	YP/AJ	Ok,M
10	Q2600-05MS	FC069465.D	16 Jul 2025 19:54	YP/AJ	Ok,M
11	Q2600-05MSD	FC069466.D	16 Jul 2025 20:39	YP/AJ	Ok,M
12	Q2600-09	FC069467.D	16 Jul 2025 21:23	YP/AJ	Dilution
13	I.BLK	FC069468.D	16 Jul 2025 22:51	YP/AJ	Ok
14	20 PPM ALIPHATIC HC STD	FC069469.D	16 Jul 2025 23:34	YP/AJ	Ok
15	PB168877BL	FC069470.D	17 Jul 2025 01:00	YP/AJ	Ok
16	PB168877BS	FC069471.D	17 Jul 2025 01:45	YP/AJ	Ok
17	PB168877BSD	FC069472.D	17 Jul 2025 02:29	YP/AJ	Ok
18	Q2565-01	FC069473.D	17 Jul 2025 03:12	YP/AJ	Dilution
19	Q2602-01	FC069474.D	17 Jul 2025 03:55	YP/AJ	Ok
20	I.BLK	FC069475.D	17 Jul 2025 05:21	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC069476.D	17 Jul 2025 06:04	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071725AL

Review By	yogesh	Review On	7/17/2025 10:41:43 AM
Supervise By		Supervise On	
SubDirectory	FC071725AL	HP Acquire Method	HP Processing Method FC071525AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069477.D	17 Jul 2025 07:30	YP/AJ	Ok
2	I.BLK	FC069478.D	17 Jul 2025 08:13	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069479.D	17 Jul 2025 08:56	YP/AJ	Ok
4	Q2600-01DL	FC069480.D	17 Jul 2025 09:40	YP/AJ	Ok
5	Q2600-05DL	FC069481.D	17 Jul 2025 10:23	YP/AJ	Ok
6	Q2600-09DL	FC069482.D	17 Jul 2025 11:07	YP/AJ	Ok
7	Q2565-01DL	FC069483.D	17 Jul 2025 11:51	YP/AJ	Ok
8	I.BLK	FC069484.D	17 Jul 2025 12:36	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC069485.D	17 Jul 2025 13:20	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071525AR

Review By	yogesh	Review On	7/15/2025 11:44:57 AM
Supervise By	mohammad	Supervise On	7/17/2025 1:46:16 AM
SubDirectory	FD071525AR	HP Acquire Method	HP Processing Method FD071525AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049536.D	15 Jul 2025 07:39	YP/AJ	Ok
2	I.BLK	FD049537.D	15 Jul 2025 08:20	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049538.D	15 Jul 2025 09:05	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049539.D	15 Jul 2025 09:50	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049540.D	15 Jul 2025 10:35	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049541.D	15 Jul 2025 11:20	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049542.D	15 Jul 2025 12:05	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049543.D	15 Jul 2025 12:52	YP/AJ	Ok
9	I.BLK	FD049544.D	15 Jul 2025 13:39	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049545.D	15 Jul 2025 14:26	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071625AR

Review By	yogesh	Review On	7/16/2025 12:00:11 PM
Supervise By	mohammad	Supervise On	7/18/2025 3:10:34 AM
SubDirectory	FD071625AR	HP Acquire Method	HP Processing Method FD071525AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049546.D	16 Jul 2025 09:44	YP/AJ	Ok
2	I.BLK	FD049547.D	16 Jul 2025 10:29	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049548.D	16 Jul 2025 13:47	YP/AJ	Ok
4	PB168879BL	FD049549.D	16 Jul 2025 15:18	YP/AJ	Ok
5	PB168879BS	FD049550.D	16 Jul 2025 16:02	YP/AJ	Ok
6	PB168879BSD	FD049551.D	16 Jul 2025 16:48	YP/AJ	Ok
7	Q2600-01	FD049552.D	16 Jul 2025 17:35	YP/AJ	Dilution
8	Q2600-05	FD049553.D	16 Jul 2025 18:23	YP/AJ	Dilution
9	Q2600-05D	FD049554.D	16 Jul 2025 19:08	YP/AJ	Ok
10	Q2600-05MS	FD049555.D	16 Jul 2025 19:54	YP/AJ	Ok,M
11	Q2600-05MSD	FD049556.D	16 Jul 2025 20:39	YP/AJ	Ok,M
12	Q2600-09	FD049557.D	16 Jul 2025 21:23	YP/AJ	Dilution
13	I.BLK	FD049558.D	16 Jul 2025 22:51	YP/AJ	Ok
14	20 PPM AROMATIC HC STD	FD049559.D	16 Jul 2025 23:34	YP/AJ	Ok
15	PB168877BL	FD049560.D	17 Jul 2025 01:00	YP/AJ	Ok
16	PB168877BS	FD049561.D	17 Jul 2025 01:45	YP/AJ	Ok,M
17	PB168877BSD	FD049562.D	17 Jul 2025 02:29	YP/AJ	Ok,M
18	Q2565-01	FD049563.D	17 Jul 2025 03:12	YP/AJ	Ok
19	Q2602-01	FD049564.D	17 Jul 2025 03:55	YP/AJ	Ok
20	I.BLK	FD049565.D	17 Jul 2025 05:21	YP/AJ	Ok
21	20 PPM AROMATIC HC STD	FD049566.D	17 Jul 2025 06:04	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071725AR

Review By	yogesh	Review On	7/17/2025 1:26:20 PM
Supervise By		Supervise On	
SubDirectory	FD071725AR	HP Acquire Method	HP Processing Method FD071525AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049567.D	17 Jul 2025 07:30	YP/AJ	Ok
2	I.BLK	FD049568.D	17 Jul 2025 08:13	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049569.D	17 Jul 2025 08:56	YP/AJ	Ok
4	Q2600-01DL	FD049570.D	17 Jul 2025 09:40	YP/AJ	Ok
5	Q2600-05DL	FD049571.D	17 Jul 2025 10:23	YP/AJ	Ok
6	Q2600-09DL	FD049572.D	17 Jul 2025 11:07	YP/AJ	Ok
7	PB168879BS	FD049573.D	17 Jul 2025 12:36	YP/AJ	Ok,NS
8	PB168879BSD	FD049574.D	17 Jul 2025 13:20	YP/AJ	Ok,NS
9	I.BLK	FD049575.D	17 Jul 2025 14:07	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049576.D	17 Jul 2025 14:55	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071525AL

Review By	yogesh	Review On	7/15/2025 11:40:50 AM
Supervise By	mohammad	Supervise On	7/17/2025 1:46:10 AM
SubDirectory	FC071525AL	HP Acquire Method	HP Processing Method FC071525AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069446.D	15 Jul 2025 07:39		YP/AJ	Ok
2	I.BLK	I.BLK	FC069447.D	15 Jul 2025 08:20		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069448.D	15 Jul 2025 09:05		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069449.D	15 Jul 2025 09:50		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069450.D	15 Jul 2025 10:35		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069451.D	15 Jul 2025 11:20		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069452.D	15 Jul 2025 12:05		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069453.D	15 Jul 2025 12:52		YP/AJ	Ok
9	I.BLK	I.BLK	FC069454.D	15 Jul 2025 13:39		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069455.D	15 Jul 2025 14:26		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071625AL

Review By	yogesh	Review On	7/16/2025 11:58:56 AM
Supervise By	mohammad	Supervise On	7/18/2025 3:10:27 AM
SubDirectory	FC071625AL	HP Acquire Method	HP Processing Method FC071525AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM	PP24176
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069456.D	16 Jul 2025 09:44		YP/AJ	Ok
2	I.BLK	I.BLK	FC069457.D	16 Jul 2025 10:29		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069458.D	16 Jul 2025 13:47		YP/AJ	Ok
4	PB168879BL	PB168879BL	FC069459.D	16 Jul 2025 15:18		YP/AJ	Not Ok
5	PB168879BS	PB168879BS	FC069460.D	16 Jul 2025 16:02		YP/AJ	Not Ok
6	PB168879BSD	PB168879BSD	FC069461.D	16 Jul 2025 16:48		YP/AJ	Not Ok
7	Q2600-01	TRENCH	FC069462.D	16 Jul 2025 17:35	need 10x dilution	YP/AJ	Dilution
8	Q2600-05	STOCK-PILE	FC069463.D	16 Jul 2025 18:23	need 10x dilution	YP/AJ	Dilution
9	Q2600-05D	Q2600-05D	FC069464.D	16 Jul 2025 19:08		YP/AJ	Ok,M
10	Q2600-05MS	STOCK-PILEMS	FC069465.D	16 Jul 2025 19:54	FC069463.D	YP/AJ	Ok,M
11	Q2600-05MSD	STOCK-PILEMSD	FC069466.D	16 Jul 2025 20:39	FC069463.D!FC069465.D	YP/AJ	Ok,M
12	Q2600-09	END-OF-TRENCH	FC069467.D	16 Jul 2025 21:23	need 10x dilution	YP/AJ	Dilution
13	I.BLK	I.BLK	FC069468.D	16 Jul 2025 22:51		YP/AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069469.D	16 Jul 2025 23:34		YP/AJ	Ok
15	PB168877BL	PB168877BL	FC069470.D	17 Jul 2025 01:00		YP/AJ	Ok
16	PB168877BS	PB168877BS	FC069471.D	17 Jul 2025 01:45	naphthalene break down - 0.436, 2-methylnaphthalene break down - 0.309	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071625AL

Review By	yogesh	Review On	7/16/2025 11:58:56 AM
Supervise By	mohammad	Supervise On	7/18/2025 3:10:27 AM
SubDirectory	FC071625AL	HP Acquire Method	HP Processing Method FC071525AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	PB168877BSD	PB168877BSD	FC069472.D	17 Jul 2025 02:29	naphthalene break down - 0.473, 2-methylnaphthalene break down - 0.257	YP/AJ	Ok
18	Q2565-01	MOO-25-0192-0193	FC069473.D	17 Jul 2025 03:12	need 10x dilution	YP/AJ	Dilution
19	Q2602-01	FRAC-TANK-266380	FC069474.D	17 Jul 2025 03:55		YP/AJ	Ok
20	I.BLK	I.BLK	FC069475.D	17 Jul 2025 05:21		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069476.D	17 Jul 2025 06:04		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC071725AL

Review By	yogesh	Review On	7/17/2025 10:41:43 AM
Supervise By		Supervise On	
SubDirectory	FC071725AL	HP Acquire Method	HP Processing Method FC071525AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM			
ICV/I.BLK	PP24174,PP24179		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069477.D	17 Jul 2025 07:30		YP/AJ	Ok
2	I.BLK	I.BLK	FC069478.D	17 Jul 2025 08:13		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069479.D	17 Jul 2025 08:56		YP/AJ	Ok
4	Q2600-01DL	TRENCHDL	FC069480.D	17 Jul 2025 09:40		YP/AJ	Ok
5	Q2600-05DL	STOCK-PIEDL	FC069481.D	17 Jul 2025 10:23		YP/AJ	Ok
6	Q2600-09DL	END-OF-TRENCHDL	FC069482.D	17 Jul 2025 11:07		YP/AJ	Ok
7	Q2565-01DL	MOO-25-0192-0193DL	FC069483.D	17 Jul 2025 11:51		YP/AJ	Ok
8	I.BLK	I.BLK	FC069484.D	17 Jul 2025 12:36		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069485.D	17 Jul 2025 13:20		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071525AR

Review By	yogesh	Review On	7/15/2025 11:44:57 AM
Supervise By	mohammad	Supervise On	7/17/2025 1:46:16 AM
SubDirectory	FD071525AR	HP Acquire Method	HP Processing Method FD071525AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC Internal Standard/PEM	PP24503
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049536.D	15 Jul 2025 07:39		YP/AJ	Ok
2	I.BLK	I.BLK	FD049537.D	15 Jul 2025 08:20		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049538.D	15 Jul 2025 09:05		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049539.D	15 Jul 2025 09:50		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049540.D	15 Jul 2025 10:35		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049541.D	15 Jul 2025 11:20		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049542.D	15 Jul 2025 12:05		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049543.D	15 Jul 2025 12:52		YP/AJ	Ok
9	I.BLK	I.BLK	FD049544.D	15 Jul 2025 13:39		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049545.D	15 Jul 2025 14:26		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071625AR

Review By	yogesh	Review On	7/16/2025 12:00:11 PM
Supervise By	mohammad	Supervise On	7/18/2025 3:10:34 AM
SubDirectory	FD071625AR	HP Acquire Method	HP Processing Method
			FD071525AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC Internal Standard/PEM	PP24503
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049546.D	16 Jul 2025 09:44		YP/AJ	Ok
2	I.BLK	I.BLK	FD049547.D	16 Jul 2025 10:29		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049548.D	16 Jul 2025 13:47		YP/AJ	Ok
4	PB168879BL	PB168879BL	FD049549.D	16 Jul 2025 15:18		YP/AJ	Ok
5	PB168879BS	PB168879BS	FD049550.D	16 Jul 2025 16:02		YP/AJ	Ok
6	PB168879BSD	PB168879BSD	FD049551.D	16 Jul 2025 16:48		YP/AJ	Ok
7	Q2600-01	TRENCH	FD049552.D	16 Jul 2025 17:35	need 5x dilution	YP/AJ	Dilution
8	Q2600-05	STOCK-PILE	FD049553.D	16 Jul 2025 18:23	need 5x dilution	YP/AJ	Dilution
9	Q2600-05D	Q2600-05D	FD049554.D	16 Jul 2025 19:08		YP/AJ	Ok
10	Q2600-05MS	STOCK-PILEMS	FD049555.D	16 Jul 2025 19:54	FD049553.D	YP/AJ	Ok,M
11	Q2600-05MSD	STOCK-PILEMSD	FD049556.D	16 Jul 2025 20:39	FD049553.D!FD049555.D	YP/AJ	Ok,M
12	Q2600-09	END-OF-TRENCH	FD049557.D	16 Jul 2025 21:23	need 5x dilution	YP/AJ	Dilution
13	I.BLK	I.BLK	FD049558.D	16 Jul 2025 22:51		YP/AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049559.D	16 Jul 2025 23:34		YP/AJ	Ok
15	PB168877BL	PB168877BL	FD049560.D	17 Jul 2025 01:00		YP/AJ	Ok
16	PB168877BS	PB168877BS	FD049561.D	17 Jul 2025 01:45	naphthalene break down - 0.436, 2-methylnaphthalene break down - 0.309	YP/AJ	Ok,M

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071625AR

Review By	yogesh	Review On	7/16/2025 12:00:11 PM
Supervise By	mohammad	Supervise On	7/18/2025 3:10:34 AM
SubDirectory	FD071625AR	HP Acquire Method	HP Processing Method FD071525AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC Internal Standard/PEM	PP24503
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506

17	PB168877BSD	PB168877BSD	FD049562.D	17 Jul 2025 02:29	naphthalene break down - 0.473, 2-methylnepthalene break down - 0.257	YP/AJ	Ok,M
18	Q2565-01	MOO-25-0192-0193	FD049563.D	17 Jul 2025 03:12		YP/AJ	Ok
19	Q2602-01	FRAC-TANK-266380	FD049564.D	17 Jul 2025 03:55		YP/AJ	Ok
20	I.BLK	I.BLK	FD049565.D	17 Jul 2025 05:21		YP/AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049566.D	17 Jul 2025 06:04		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD071725AR

Review By	yogesh	Review On	7/17/2025 1:26:20 PM
Supervise By		Supervise On	
SubDirectory	FD071725AR	HP Acquire Method	HP Processing Method FD071525AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM			
ICV/I.BLK	PP24501,PP24506		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049567.D	17 Jul 2025 07:30		YP/AJ	Ok
2	I.BLK	I.BLK	FD049568.D	17 Jul 2025 08:13		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049569.D	17 Jul 2025 08:56		YP/AJ	Ok
4	Q2600-01DL	TRENCHDL	FD049570.D	17 Jul 2025 09:40		YP/AJ	Ok
5	Q2600-05DL	STOCK-PIEDL	FD049571.D	17 Jul 2025 10:23		YP/AJ	Ok
6	Q2600-09DL	END-OF-TRENCHDL	FD049572.D	17 Jul 2025 11:07		YP/AJ	Ok
7	PB168879BS	PB168879BS	FD049573.D	17 Jul 2025 12:36		YP/AJ	Ok,NS
8	PB168879BSD	PB168879BSD	FD049574.D	17 Jul 2025 13:20		YP/AJ	Ok,NS
9	I.BLK	I.BLK	FD049575.D	17 Jul 2025 14:07		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049576.D	17 Jul 2025 14:55		YP/AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/15/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 07/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136466

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
Q2595-01	CHRT-24849	1	1.14	10.85	11.99	6.00	44.8	GEL Matrix
Q2595-02	CHRT-24849-E2	2	1.18	10.69	11.87	3.99	26.3	GEL Matrix
Q2597-01	CHRT-26899	3	1.18	10.21	11.39	11.25	98.6	
Q2597-02	CHRT-26899-E2	4	1.19	10.48	11.67	11.55	98.9	
Q2598-01	OK-01-071425	5	1.14	10.30	11.44	11.11	96.8	
Q2598-02	OK-01-071425-E2	6	1.17	10.23	11.4	11.02	96.3	
Q2599-01	A1	7	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2599-02	A2	8	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2599-03	B1	9	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2600-01	TRENCH	10	1.12	10.41	11.53	8.98	75.5	
Q2600-03	TRENCH	11	1.19	10.80	11.99	9.85	80.2	
Q2600-05	STOCK-PILE	12	1.13	10.53	11.66	9.78	82.1	
Q2600-07	STOCK-PILE	13	1.15	10.84	11.99	10.22	83.7	
Q2600-09	END-OF-TRENCH	14	1.15	10.49	11.64	10.09	85.2	
Q2600-11	END-OF-TRENCH	15	1.17	10.62	11.79	10.18	84.8	
Q2601-01	7-14-25-1	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-02	7-14-25-2	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-03	7-14-25-3	18	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-04	7-14-25-4	19	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-05	7-14-25-5	20	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-06	7-14-25-6	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-07	7-14-25-7	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-08	7-14-25-8	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-09	7-14-25-9	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-10	7-14-25-10	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-11	7-14-25-11	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-12	7-14-25-12	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-13	7-14-25-13	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/15/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 07/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136466

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
Q2601-14	7-14-25-14	29	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2601-15	7-14-25-15	30	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136466

WorkList Name : %1-071425 WorkList ID : 190685 Department : Wet-Chemistry Date : 07-14-2025 07:38:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2600-01	TRENCH	Solid	Percent Solids	Cool 4 deg C	TACO01	D41	07/14/2025	Chemtech -SO
Q2600-03	TRENCH	Solid	Percent Solids	Cool 4 deg C	TACO01	D41	07/14/2025	Chemtech -SO
Q2600-05	STOCK-PILE	Solid	Percent Solids	Cool 4 deg C	TACO01	D41	07/14/2025	Chemtech -SO
Q2600-07	STOCK-PILE	Solid	Percent Solids	Cool 4 deg C	TACO01	D41	07/14/2025	Chemtech -SO
Q2600-09	END-OF-TRENCH	Solid	Percent Solids	Cool 4 deg C	TACO01	D41	07/14/2025	Chemtech -SO
Q2600-11	END-OF-TRENCH	Solid	Percent Solids	Cool 4 deg C	TACO01	D41	07/14/2025	Chemtech -SO
Q2595-01	CHRT-24849	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/14/2025	Chemtech -SO
Q2595-02	CHRT-24849-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/14/2025	Chemtech -SO
Q2597-01	CHRT-26899	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2597-02	CHRT-26899-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2599-01	A1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/14/2025	Chemtech -SO
Q2599-02	A2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/14/2025	Chemtech -SO
Q2601-12	7-14-25-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-13	7-14-25-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-14	7-14-25-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-15	7-14-25-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-06	7-14-25-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-07	7-14-25-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-08	7-14-25-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-09	7-14-25-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-10	7-14-25-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO

Date/Time 07/14/25 15:15
 Raw Sample Received by: CP
 Raw Sample Relinquished by: CP

Date/Time 07/14/25 15:30
 Raw Sample Received by: CP
 Raw Sample Relinquished by: CP

WORKLIST(Hardcopy Internal Chain)

W 136466

WorkList Name : %1-071425 WorkList ID : 190685 Department : Wet-Chemistry Date : 07-14-2025 07:38:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2601-11	7-14-25-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2599-03	B1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/14/2025	Chemtech -SO
Q2601-01	7-14-25-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-02	7-14-25-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-03	7-14-25-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-04	7-14-25-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2601-05	7-14-25-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/14/2025	Chemtech -SO
Q2598-01	OK-01-071425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/14/2025	Chemtech -SO
Q2598-02	OK-01-071425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/14/2025	Chemtech -SO

Date/Time 07/14/25 15:15
 Raw Sample Received by: SP WPC
 Raw Sample Relinquished by: SP WPC

Date/Time 07/14/25 17:30
 Raw Sample Received by: SP WPC
 Raw Sample Relinquished by: SP WPC

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A **Extraction Start Date :** 07/16/2025

Matrix : Solid **Extraction Start Time :** 09:25

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 07/16/2025

Balance check: EH **Filter By:** RJ **Extraction End Time :** 15:25

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24728
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24673
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	EP2626
Baked Na2SO4	N/A	EP2625
Sand	N/A	E3951
Hexane	N/A	E3950
Methylene Chloride	N/A	E3954
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A **Envap ID:** NEVAP-02

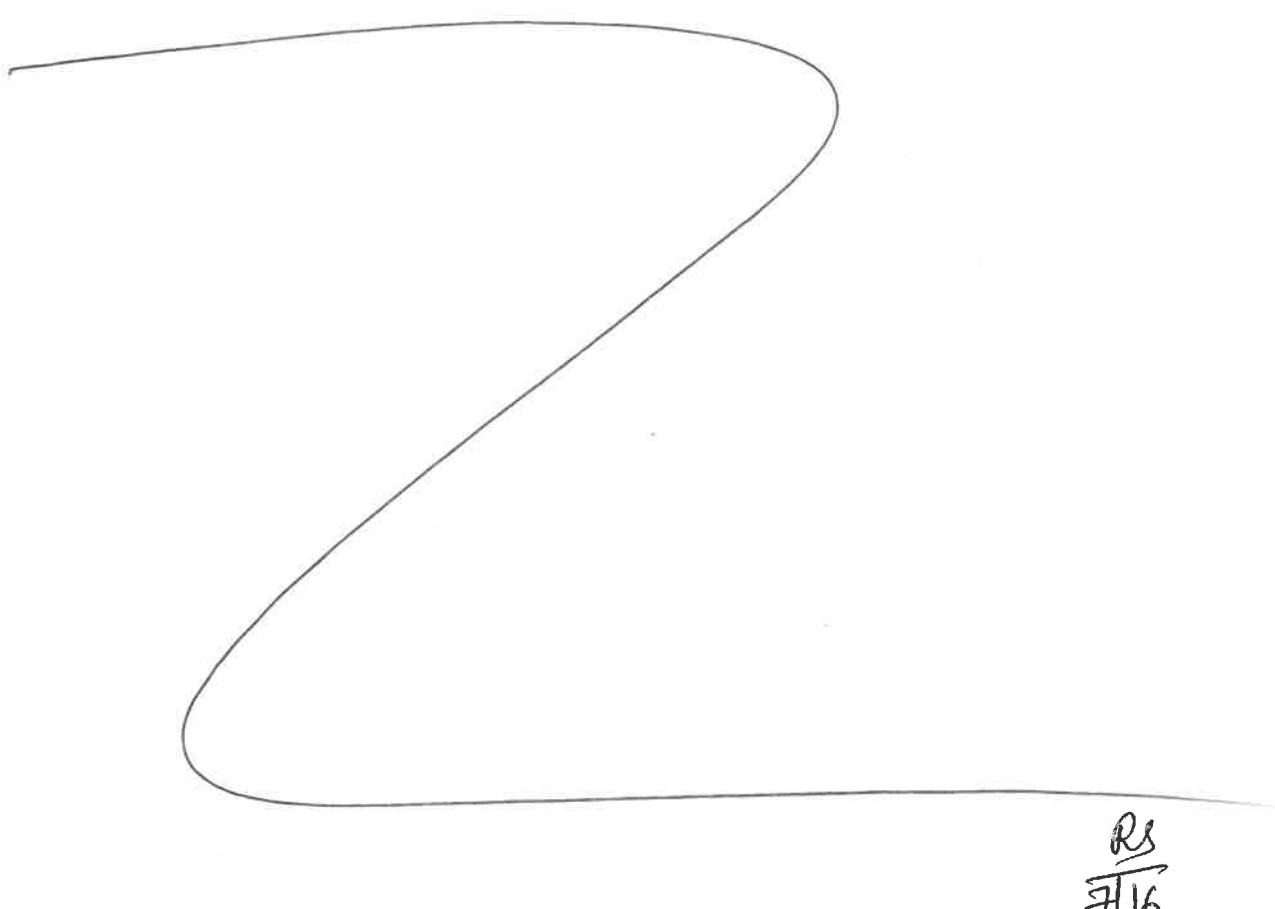
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/16/25	RJ (Ext Lab)	Y.P. Peshlkar
15:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 07/16/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168877BL	PB168877BL	EPH	30.02	N/A	ritesh	Evelyn	2			U6-1
PB168877BS	PB168877BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB168877BSD	PB168877BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q2600-01	TRENCH	EPH	30.06	N/A	ritesh	Evelyn	2	D		4
Q2600-05	STOCK-PILE	EPH	30.08	N/A	ritesh	Evelyn	2	D		5
Q2600-05DUP	STOCK-PILEDUP	EPH	30.03	N/A	ritesh	Evelyn	2	D		6
Q2600-05MS	STOCK-PILEMS	EPH	30.01	N/A	ritesh	Evelyn	2	D		U1-1
Q2600-05MSD	STOCK-PILEMSD	EPH	30.05	N/A	ritesh	Evelyn	2	D		2
Q2600-09	END-OF-TRENCH	EPH	30.04	N/A	ritesh	Evelyn	2	D		3



168877
07-16-25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2600 WorkList ID : 190760 Department : Extraction Date : 07-16-2025 09:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2600-01	TRENCH	Solid	EPH	Cool 4 deg C	TACO01	D41	07/14/2025	NJEPH
Q2600-05	STOCK-PILE	Solid	EPH	Cool 4 deg C	TACO01	D41	07/14/2025	NJEPH
Q2600-09	END-OF-TRENCH	Solid	EPH	Cool 4 deg C	TACO01	D41	07/14/2025	NJEPH

Date/Time 07/16/25 9:20
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: JDCSM

Date/Time 07/16/25 9:35
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: RS (Ext-Lab)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: T & A Construction INC.

ADDRESS: Tarrytown Light-Kingsland Point Park

CITY Sleepy Hollow STATE: NY ZIP: 10591

ATTENTION: Garrett Johnson

PHONE: (862) 298-0150 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Kingsland Point Park water main

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

VOCs
TCLP VOC
EM, Hex, Cu, Pb
Turbidity, % Solids
FICD
Full TCLP
Cup, Mercury, Met, JCP, etc.
Pb, Pest, SVOC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	TRENCH	S.	X		7-14	1300	6			X	X	X	X	X	X			
2.	TRENCH			X		1305	5	X	X								PPM - 65.5	
3.	Stock Pile		X			1310	6			X	X	X	X	X	X			
4.	Stock Pile			X		1315	5	X	X								PPM - 82.9	
5.	End of TRENCH		X			1320	6			X	X	X	X	X	X			
6.	End of TRENCH			X		1325	5	X	X								PPM - 644.3	
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 1335	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.9°C
1.	7/14/25	1.	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME: 1505	RECEIVED BY:	
3.	7/14/25	3.	

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Kingsland Point Tank

Water Main

Service Order #: _____

Work Order #: _____

Labor WBS #: _____

Facility/Site: _____

Site Address: Tenneytown Legat - Kingsland

Point Park, Sleepy Hollow NY 10591

Chemtech Order ID: _____

Sampler Name: George Negron

Client Project Coordinator & Phone: Garrett Johnson (862) 298-0150

Page #: 1 of 1

Date: 7-14-25

Arrive Time: 1230

Depart Time: 1335

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: _____

Dimensions/CY: _____

Temp (range): _____

°C

PID Readings (range): _____

PPM

Odor ☒ Y ☐ N

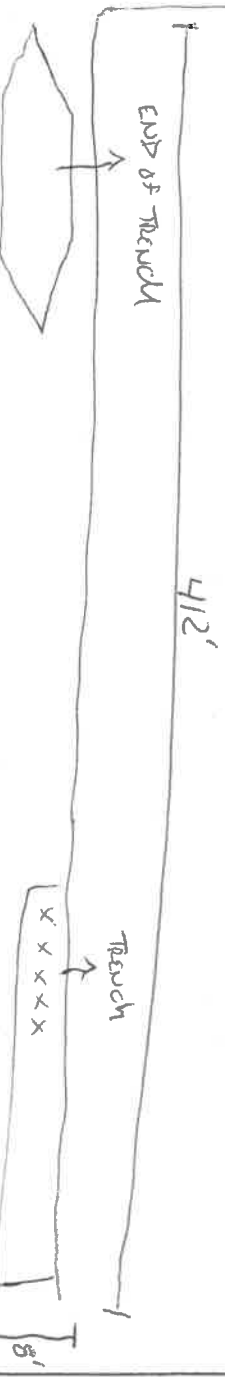
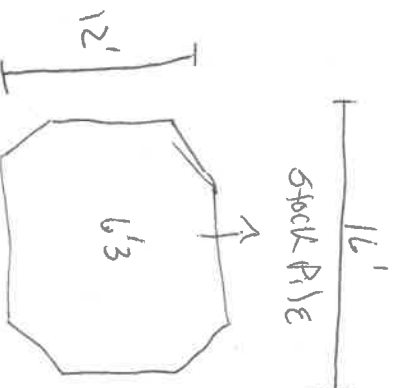
Color ☒ Y ☐ N

Sample Description: Black oily soil (rocks present) very strong smell

Field Observations: Sample along the trench + stock pile

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: _____

Client Signature: _____

Supervisor Review/Date: _____

Date/Time Arrived at Lab: _____

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2600 TACO01
Client Name : T&A Construction Inc
Client Contact : Garrett Johnson
Invoice Name : T&A Construction Inc
Invoice Contact : Garrett Johnson

Order Date : 7/14/2025 2:21:01 PM
Project Name : Kingsland Point Park Water
Receive DateTime : 7/14/2025 12:00:00 AM *15:05 PM*
Purchase Order :

Project Mgr :
Report Type : Analytical Summary 1
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2600-03	TRENCH	Solid	07/14/2025	13:05	VOC-TCLVOA-10		8260D		3 Bus. Days
Q2600-07	STOCK-PILE	Solid	07/14/2025	13:15	VOC-TCLVOA-10		8260D		3 Bus. Days
Q2600-11	END-OF-TRENCH	Solid	07/14/2025	13:25	VOC-TCLVOA-10		8260D		3 Bus. Days

Relinquished By : *[Signature]*

Date / Time : 7/14/25 1540

Received By : *[Signature]*

Date / Time : 7/14/25 1540

Storage Area : VOA Refridgator Room