

Cover Page

Order ID : Q2892

Project ID : BAPS 2000 Tonnelle Ave

Client : BAPS North Bergen Development Inc.

Lab Sample Number

Q2892-01
Q2892-02
Q2892-03
Q2892-04
Q2892-05
Q2892-06
Q2892-07
Q2892-08
Q2892-09
Q2892-10
Q2892-11
Q2892-12

Client Sample Number

1-FLOOR-NORTH-EAST-CORNER-B
1-FLOOR-NORTH-EAST-CORNER-B
1-FLOOR-DRILL-B-BACK
1-FLOOR-DRILL-B-BACK
BACK-1-FLOOR-CENTER-MIDDLE-C
BACK-1-FLOOR-CENTER-MIDDLE-C
3-FLOOR-NORTH-D
3-FLOOR-NORTH-D
3-FLOOR-SOUTH-E
3-FLOOR-SOUTH-E
FRONT-1-FLOOR-F
FRONT-1-FLOOR-F

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: 8/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 #: Q2892

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: 08/25/2025

LAB CHRONICLE

OrderID:	Q2892	OrderDate:	8/15/2025 3:18:33 PM
Client:	BAPS North Bergen Development Inc.	Project:	BAPS 2000 Tonnelle Ave
Contact:	Jatinkuma Patel	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2892-01	1-FLOOR-NORTH-EAS T-CORNER-BACK-A	Solid	EPH	NJEPH	08/15/25	08/21/25	08/23/25	08/15/25
			EPH	NJEPH		08/21/25	08/25/25	
Q2892-02	1-FLOOR-NORTH-EAS T-CORNER-BACK-A	SOIL	PCB	8082A	08/15/25	08/19/25	08/19/25	08/15/25
			Pesticide-TCL	8081B		08/19/25	08/19/25	
Q2892-03	1-FLOOR-DRILL-B-BA CK	Solid	EPH	NJEPH	08/15/25	08/21/25	08/23/25	08/15/25
			EPH	NJEPH		08/21/25	08/25/25	
Q2892-04	1-FLOOR-DRILL-B-BA CK	SOIL	PCB	8082A	08/15/25	08/19/25	08/19/25	08/15/25
			Pesticide-TCL	8081B		08/19/25	08/19/25	
Q2892-05	BACK-1-FLOOR-CENTE R-MIDDLE-C	Solid	EPH	NJEPH	08/15/25	08/21/25	08/22/25	08/15/25
			EPH	NJEPH		08/21/25	08/23/25	
Q2892-06	BACK-1-FLOOR-CENTE R-MIDDLE-C	SOIL	PCB	8082A	08/15/25	08/19/25	08/19/25	08/15/25
			Pesticide-TCL	8081B		08/19/25	08/19/25	
Q2892-07	3-FLOOR-NORTH-D	Solid	EPH	NJEPH	08/15/25	08/21/25	08/23/25	08/15/25
			EPH	NJEPH		08/21/25	08/25/25	

LAB CHRONICLE

Q2892-08	3-FLOOR-NORTH-D	SOIL	PCB	8082A	08/15/25	08/19/25	08/19/25	08/15/25
			Pesticide-TCL	8081B		08/19/25	08/19/25	
Q2892-09	3-FLOOR-SOUTH-E	Solid	EPH	NJEPH	08/15/25	08/21/25	08/23/25	08/15/25
			EPH	NJEPH		08/21/25	08/25/25	
Q2892-10	3-FLOOR-SOUTH-E	SOIL	PCB	8082A	08/15/25	08/19/25	08/19/25	08/15/25
			Pesticide-TCL	8081B		08/19/25	08/19/25	
Q2892-11	FRONT-1-FLOOR-F	Solid	EPH	NJEPH	08/15/25	08/21/25	08/23/25	08/15/25
			EPH	NJEPH		08/21/25	08/25/25	
Q2892-12	FRONT-1-FLOOR-F	SOIL	PCB	8082A	08/15/25	08/19/25	08/19/25	08/15/25
			Pesticide-TCL	8081B		08/19/25	08/19/25	



QC SUMMARY



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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance

Contract: BAPS03

Lab Code: ACE

SDG No.: Q2892

Run Number: FC082225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB169364BL	82			0
PB169364BS	87			0
PB169364BSD	91			0
BACK-1-FLOOR-CENTER-MIDD	107			0
BACK-1-FLOOR-CENTER-MIDD	62			0
BACK-1-FLOOR-CENTER-MIDD	69			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: BAPS03
Lab Code: ACE SDG No.: Q2892
Run Number: FC082525AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
1-FLOOR-NORTH-EAST-CORNE	60			0
1-FLOOR-DRILL-B-BACK	65			0
3-FLOOR-NORTH-D	67			0
3-FLOOR-SOUTH-E	68			0
FRONT-1-FLOOR-F	65			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: BAPS03
Lab Code: ACE SDG No.: Q2892
Run Number: FD082225AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PBI69364BL	78	78	85	0
PBI69364BS	125	122	101	0
PBI69364BSD	120	118	98	0
1-FLOOR-NORTH-EAST-CORNE	104	105	70	0
1-FLOOR-DRILL-B-BACK	118	117	71	0
BACK-1-FLOOR-CENTER-MIDD	101	98	82	0
BACK-1-FLOOR-CENTER-MIDD	109	110	74	0
BACK-1-FLOOR-CENTER-MIDD	105	105	69	0
3-FLOOR-NORTH-D	87	86	49	0
3-FLOOR-SOUTH-E	103	103	58	0
FRONT-1-FLOOR-F	125	126	61	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>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>Q2892-05MS</u>	Datafile:	<u>FC069713.D</u>
		Client ID :	<u>BACK-1-FLOOR-CENTER-MIDDLE-CMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	11.3	0.17	6.12	53		(40-140)
Aliphatic C12-C16	7.5	0.32	5.39	68		(40-140)
Aliphatic C16-C21	11.3	0.30	9.04	77		(40-140)
Aliphatic C21-C28	15.0	0	12.1	80		(40-140)
Aliphatic C28-C40	22.6	2.05	20.8	83		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.8	0.0000	1.6901	44		(40-140)
n-Decane (C10)	3.8	0.0000	2.0255	53		(40-140)
Naphthalene (C11.7)	3.8	0.0000	0.0114	0	*	(40-140)
n-Dodecane (C12)	3.8	0.0000	2.2063	58		(40-140)
2-methylnaphthalene (C12.89)	3.8	0.0000	0.0070	0	*	(40-140)
n-Tetradecane (C14)	3.8	0.0000	2.4237	64		(40-140)
n-Hexadecane (C16)	3.8	0.0000	2.6595	70		(40-140)
n-Octadecane (C18)	3.8	0.0000	2.8073	74		(40-140)
n-Eicosane (C20)	3.8	0.0000	3.0097	79		(40-140)
n-Heneicosane (C21)	3.8	0.0000	2.9798	78		(40-140)
n-Docosane (C22)	3.8	0.0000	2.9628	78		(40-140)
n-Tetracosane (C24)	7.5	0.0000	2.9651	40		(40-140)
n-Hexacosane (C26)	3.8	0.0000	2.9503	78		(40-140)
n-Octacosane (C28)	3.8	0.0000	2.9179	77		(40-140)
n-Tricontane (C30)	3.8	0.0000	2.8191	74		(40-140)
n-Dotriacontane (C32)	3.8	0.0000	2.8631	75		(40-140)
n-Tetratriacontane (C34)	3.8	0.0000	3.1101	82		(40-140)
n-Hexatriacontane (C36)	3.8	0.0000	3.4943	92		(40-140)
n-Octatriacontane (C38)	3.8	0.0000	3.8057	100		(40-140)
n-Tetracontane (C40)	3.8	0.0000	3.6131	95		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>Q2892-05MSD</u>	Datafile:	<u>FC069714.D</u>
		Client ID :	<u>BACK-1-FLOOR-CENTER-MIDDLE-CMSD</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	11.3	0.17	6.20	54		1.51 (40-140)	50
Aliphatic C12-C16	7.5	0.32	5.49	69		1.91 (40-140)	50
Aliphatic C16-C21	11.3	0.30	9.10	78		0.77 (40-140)	50
Aliphatic C21-C28	15.0	0	12.1	80		0.12 (40-140)	50
Aliphatic C28-C40	22.6	2.05	21.3	85		2.61 (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)	3.8	0.0000	1.7124	45		2.25 (40-140)	50
n-Decane (C10)	3.8	0.0000	2.0529	54		1.87 (40-140)	50
Naphthalene (C11.7)	3.8	0.0000	0.0131	0	*	0 (40-140)	50
n-Dodecane (C12)	3.8	0.0000	2.2507	59		1.71 (40-140)	50
2-methylnaphthalene (C12.89)	3.8	0.0000	0.0100	0	*	0 (40-140)	50
n-Tetradecane (C14)	3.8	0.0000	2.4576	65		1.55 (40-140)	50
n-Hexadecane (C16)	3.8	0.0000	2.6948	71		1.42 (40-140)	50
n-Octadecane (C18)	3.8	0.0000	2.8440	75		1.34 (40-140)	50
n-Eicosane (C20)	3.8	0.0000	3.0407	80		1.26 (40-140)	50
n-Heneicosane (C21)	3.8	0.0000	2.9982	79		1.27 (40-140)	50
n-Docosane (C22)	3.8	0.0000	2.9820	78		0 (40-140)	50
n-Tetracosane (C24)	7.5	0.0000	2.9784	40		0 (40-140)	50
n-Hexacosane (C26)	3.8	0.0000	2.9552	78		0 (40-140)	50
n-Octacosane (C28)	3.8	0.0000	2.9297	77		0 (40-140)	50
n-Tricontane (C30)	3.8	0.0000	2.8337	75		1.34 (40-140)	50
n-Dotriacontane (C32)	3.8	0.0000	2.8867	76		1.32 (40-140)	50
n-Tetratriacontane (C34)	3.8	0.0000	3.1279	82		0 (40-140)	50
n-Hexatriacontane (C36)	3.8	0.0000	3.5491	93		1.08 (40-140)	50
n-Octatriacontane (C38)	3.8	0.0000	3.8775	102		1.98 (40-140)	50
n-Tetracontane (C40)	3.8	0.0000	3.7466	99		4.12 (40-140)	50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>Q2892-05MS</u>	Datafile:	<u>FD049660.D</u>
		Client ID :	<u>BACK-1-FLOOR-CENTER-MIDDLE-CMS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	7.5	0.24	6.53	84		(40-140)
Aromatic C12-C16	11.3	5.67	10.7	45		(40-140)
Aromatic C16-C21	18.8	1.61	23.2	114		(40-140)
Aromatic C21-C36	30.1	2.45	36.9	114		(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)	3.8	0.0000	3.1951	84		(40-140)
Naphthalene (C11.7)	3.8	0.0000	3.0742	81		(40-140)
2-Methylnaphthalene (C12.89)	3.8	0.0000	2.9160	77		(40-140)
Acenaphthylene (C15.06)	3.8	0.0000	3.3457	88		(40-140)
Acenaphthene (C15.5)	3.8	0.0000	3.4147	90		(40-140)
Fluorene (C16.55)	3.8	0.0000	3.6784	97		(40-140)
Phenanthrene (C19.36)	3.8	0.0000	3.9635	104		(40-140)
Anthracene (C19.43)	3.8	0.0000	4.1706	110		(40-140)
Pyrene (C20.8)	3.8	0.0000	4.1754	110		(40-140)
Fluoranthene (C21.85)	3.8	0.0000	4.1224	108		(40-140)
Benzo[a]anthracene (C26.37)	3.8	0.0000	4.3060	113		(40-140)
Chrysene (C27.41)	3.8	0.0000	8.9390	235	*	(40-140)
Bnezo[k]fluoranthene (C30.14)	3.8	0.0000	8.7511	230	*	(40-140)
Dibenz[a,h]anthracene (C30.36)	3.8	0.0000	8.4431	222	*	(40-140)
benzo[b]fluoranthene (C30.41)	3.8	0.0000	8.2366	217	*	(40-140)
Benzo[a]pyrene (C31.34)	3.8	0.0000	4.1037	108		(40-140)
Benzo[g,h,i]perylene (C34.01)	3.8	0.0000	3.8808	102		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	3.8	0.0000	4.6644	123		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>Q2892-05MSD</u>	Datafile:	<u>FD049661.D</u>
		Client ID :	<u>BACK-1-FLOOR-CENTER-MIDDLE-CMSD</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	7.5	0.24	6.37	82		2.54 (40-140)	50
Aromatic C12-C16	11.3	5.67	10.3	41		8.41 (40-140)	50
Aromatic C16-C21	18.8	1.61	21.9	107		6.33 (40-140)	50
Aromatic C21-C36	30.1	2.45	35.6	110		3.57 (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)	3.8	0.0000	3.1483	83		1.2 (40-140)	50
Naphthalene (C11.7)	3.8	0.0000	2.9903	79		2.5 (40-140)	50
2-Methylnaphthalene (C12.89)	3.8	0.0000	2.8254	74		3.97 (40-140)	50
Acenaphthylene (C15.06)	3.8	0.0000	3.2060	84		4.65 (40-140)	50
Acenaphthene (C15.5)	3.8	0.0000	3.2617	86		4.55 (40-140)	50
Fluorene (C16.55)	3.8	0.0000	3.4870	92		5.29 (40-140)	50
Phenanthrene (C19.36)	3.8	0.0000	3.7185	98		5.94 (40-140)	50
Anthracene (C19.43)	3.8	0.0000	3.9108	103		6.57 (40-140)	50
Pyrene (C20.8)	3.8	0.0000	3.9296	103		6.57 (40-140)	50
Fluoranthene (C21.85)	3.8	0.0000	3.8708	102		5.71 (40-140)	50
Benzo[a]anthracene (C26.37)	3.8	0.0000	4.1223	108		4.52 (40-140)	50
Chrysene (C27.41)	3.8	0.0000	8.5558	225	*	4.35 (40-140)	50
Benzo[k]fluoranthene (C30.14)	3.8	0.0000	8.4425	222	*	3.54 (40-140)	50
Dibenz[a,h]anthracene (C30.36)	3.8	0.0000	8.2165	216	*	2.74 (40-140)	50
benzo[b]fluoranthene (C30.41)	3.8	0.0000	7.9462	209	*	3.76 (40-140)	50
Benzo[a]pyrene (C31.34)	3.8	0.0000	3.9790	105		2.82 (40-140)	50
Benzo[g,h,i]perylene (C34.01)	3.8	0.0000	3.7817	100		1.98 (40-140)	50
Indeno[1,2,3-cd]pyrene (C35.01)	3.8	0.0000	4.5488	120		2.47 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>PB169364BS</u>	Datafile:	<u>FC069708.D</u>
		Client ID :	<u>PB169364BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	5.69	57		(40-140)
Aliphatic C12-C16	6.7	5.22	78		(40-140)
Aliphatic C16-C21	10	8.98	90		(40-140)
Aliphatic C21-C28	13.3	12.6	95		(40-140)
Aliphatic C28-C40	20.0	20.5	102		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	1.47043	45		(40-140)
n-Decane (C10)	3.3	1.91530	58		(40-140)
Naphthalene (C11.7)	3.3	0.00000	0	*	(40-140)
n-Dodecane (C12)	3.3	2.28863	69		(40-140)
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	(40-140)
n-Tetradecane (C14)	3.3	2.58026	78		(40-140)
n-Hexadecane (C16)	3.3	2.64378	80		(40-140)
n-Octadecane (C18)	3.3	2.74605	83		(40-140)
n-Eicosane (C20)	3.3	3.14670	95		(40-140)
n-Heneicosane (C21)	3.3	3.10467	94		(40-140)
n-Docosane (C22)	3.3	3.13836	95		(40-140)
n-Tetracosane (C24)	6.7	3.16091	47		(40-140)
n-Hexacosane (C26)	3.3	3.16202	96		(40-140)
n-Octacosane (C28)	3.3	3.17633	96		(40-140)
n-Tricontane (C30)	3.3	3.15432	96		(40-140)
n-Dotriacontane (C32)	3.3	3.23331	98		(40-140)
n-Tetratriacontane (C34)	3.3	3.38463	103		(40-140)
n-Hexatriacontane (C36)	3.3	3.58232	109		(40-140)
n-Octatriacontane (C38)	3.3	3.73197	113		(40-140)
n-Tetracontane (C40)	3.3	3.65709	111		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>PB169364BSD</u>	Datafile:	<u>FC069709.D</u>
		Client ID :	<u>PB169364BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C9-C12	10	5.98	60		4.9 (40-140) 25
Aliphatic C12-C16	6.7	5.54	83		5.9 (40-140) 25
Aliphatic C16-C21	10	9.34	94		3.9 (40-140) 25
Aliphatic C21-C28	13.3	13.0	98		3.1 (40-140) 25
Aliphatic C28-C40	20.0	21.7	108		6.2 (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	1.54057	47		4.35 (40-140) 25
n-Decane (C10)	3.3	2.01453	61		5.04 (40-140) 25
Naphthalene (C11.7)	3.3	0.00000	0	*	0 (40-140) 25
n-Dodecane (C12)	3.3	2.41656	73		5.63 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	0 (40-140) 25
n-Tetradecane (C14)	3.3	2.73328	83		6.21 (40-140) 25
n-Hexadecane (C16)	3.3	2.80209	85		6.06 (40-140) 25
n-Octadecane (C18)	3.3	2.88192	87		4.71 (40-140) 25
n-Eicosane (C20)	3.3	3.26971	99		4.12 (40-140) 25
n-Heneicosane (C21)	3.3	3.20963	97		3.14 (40-140) 25
n-Docosane (C22)	3.3	3.23323	98		3.11 (40-140) 25
n-Tetracosane (C24)	6.7	3.24166	48		2.11 (40-140) 25
n-Hexacosane (C26)	3.3	3.23802	98		2.06 (40-140) 25
n-Octacosane (C28)	3.3	3.27099	99		3.08 (40-140) 25
n-Tricontane (C30)	3.3	3.28260	99		3.08 (40-140) 25
n-Dotriacontane (C32)	3.3	3.39740	103		4.98 (40-140) 25
n-Tetratriacontane (C34)	3.3	3.57113	108		4.74 (40-140) 25
n-Hexatriacontane (C36)	3.3	3.78183	115		5.36 (40-140) 25
n-Octatriacontane (C38)	3.3	3.95728	120		6.01 (40-140) 25
n-Tetracontane (C40)	3.3	3.92491	119		6.96 (40-140) 25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>PB169364BS</u>	Datafile:	<u>FD049646.D</u>
		Client ID :	<u>PB169364BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	5.52	83		(40-140)
Aromatic C12-C16	10	9.50	95		(40-140)
Aromatic C16-C21	16.7	17.3	103		(40-140)
Aromatic C21-C36	26.6	28.3	106		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
Benzo[a]anthracene (C26.37)	3.3	3.59897	109		(40-140)
Chrysene (C27.41)	3.3	3.87681	117		(40-140)
benzo[b]fluoranthene (C30.41)	3.3	3.60634	109		(40-140)
Bnezo[k]fluoranthene (C30.14)	3.3	3.70982	112		(40-140)
Benzo[a]pyrene (C31.34)	3.3	3.42796	104		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	3.81375	116		(40-140)
Dibenz[a,h]anthracene (C30.36)	3.3	3.43788	104		(40-140)
Benzo[g,h,i]perylene (C34.01)	3.3	3.25732	99		(40-140)
1,2,3-Trimethylbenzene (C10.1)	3.3	2.57446	78		(40-140)
Naphthalene (C11.7)	3.3	2.92774	89		(40-140)
2-Methylnaphthalene (C12.89)	3.3	2.85195	86		(40-140)
Acenaphthylene (C15.06)	3.3	3.28567	100		(40-140)
Acenaphthene (C15.5)	3.3	3.34364	101		(40-140)
Flouorene (C16.55)	3.3	3.52820	107		(40-140)
Phenanthrene (C19.36)	3.3	3.50244	106		(40-140)
Anthracene (C19.43)	3.3	3.10458	94		(40-140)
Fluoranthene (C21.85)	3.3	3.56424	108		(40-140)
Pyrene (C20.8)	3.3	3.51892	107		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>BAPS North Bergen Development Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2892</u>
Sample No :	<u>PB169364BSD</u>	Datafile:	<u>FD049647.D</u>
		Client ID :	<u>PB169364BSD</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	5.35	80		3.2 (40-140) 25
Aromatic C12-C16	10	9.12	91		4.1 (40-140) 25
Aromatic C16-C21	16.7	17.1	102		0.322 (40-140) 25
Aromatic C21-C36	26.6	28.9	108		2.3 (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	2.50221	76		2.6 (40-140) 25
Naphthalene (C11.7)	3.3	2.82885	86		3.43 (40-140) 25
2-Methylnaphthalene (C12.89)	3.3	2.74144	83		3.55 (40-140) 25
Acenaphthylene (C15.06)	3.3	3.15651	96		4.08 (40-140) 25
Acenaphthene (C15.5)	3.3	3.20191	97		4.04 (40-140) 25
Flouorene (C16.55)	3.3	3.40770	103		3.81 (40-140) 25
Phenanthrene (C19.36)	3.3	3.44215	104		1.9 (40-140) 25
Anthracene (C19.43)	3.3	3.06927	93		1.07 (40-140) 25
Fluoranthene (C21.85)	3.3	3.57289	108		0 (40-140) 25
Pyrene (C20.8)	3.3	3.53876	107		0 (40-140) 25
Benzo[a]anthracene (C26.37)	3.3	3.67308	111		1.82 (40-140) 25
Chrysene (C27.41)	3.3	3.94937	120		2.53 (40-140) 25
benzo[b]fluoranthene (C30.41)	3.3	3.68299	112		2.71 (40-140) 25
Bnezo[k]fluoranthene (C30.14)	3.3	3.78964	115		2.64 (40-140) 25
Benzo[a]pyrene (C31.34)	3.3	3.49885	106		1.9 (40-140) 25
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	3.90574	118		1.71 (40-140) 25
Dibenz[a,h]anthracene (C30.36)	3.3	3.53458	107		2.84 (40-140) 25
Benzo[g,h,i]perylene (C34.01)	3.3	3.32938	101		2 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169364BL

Lab Name: Alliance

Contract: BAPS03

Lab Code: ACE

SDG NO.: Q2892

Instrument ID: FID_C

Lab Sample ID: PB169364BL

Matrix: (soil/water) Solid

Date Extracted: 8/21/2025 11:00:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169364BS	PB169364BS
PB169364BSD	PB169364BSD
1-FLOOR-NORTH-EAST-CORNER-	Q2892-01
1-FLOOR-DRILL-B-BACK	Q2892-03
BACK-1-FLOOR-CENTER-MIDDLE	Q2892-05
BACK-1-FLOOR-CENTER-MIDDLE	Q2892-05MS
BACK-1-FLOOR-CENTER-MIDDLE	Q2892-05MSD
3-FLOOR-NORTH-D	Q2892-07
3-FLOOR-SOUTH-E	Q2892-09
FRONT-1-FLOOR-F	Q2892-11

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	1-FLOOR-NORTH-EAST-CORNER-BACK-A	SDG No.:	Q2892
Lab Sample ID:	Q2892-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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
08/21/25 11:00	08/25/25 11:44	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.22	J	1	0.16	1.11	mg/kg	FC069720.D
Aliphatic C12-C16	Aliphatic C12-C16	0.33	J	1	0.12	0.74	mg/kg	FC069720.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	1	0.14	1.11	mg/kg	FC069720.D
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	1	0.59	1.48	mg/kg	FC069720.D
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1	1.31	2.22	mg/kg	FC069720.D
Aromatic C10-C12	Aromatic C10-C12	0.30	J	1	0.13	0.74	mg/kg	FD049656.D
Aromatic C12-C16	Aromatic C12-C16	0.40	J	1	0.26	1.11	mg/kg	FD049656.D
Aromatic C16-C21	Aromatic C16-C21	2.29		1	0.45	1.85	mg/kg	FD049656.D
Aromatic C21-C36	Aromatic C21-C36	2.06	J	1	1.32	2.97	mg/kg	FD049656.D
Total AliphaticEPH	Total AliphaticEPH	3.37	J		2.32	6.66	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.05	J		2.15	6.67	mg/kg	
Total EPH	Total EPH	8.41	J		4.48	13.3	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:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	1-FLOOR-NORTH-EAST-CORNER-BACK-A		SDG No.:	Q2892	
Lab Sample ID:	Q2892-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.8	
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
FC069720.D	1	08/21/25	08/25/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.22	J	0.16	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.33	J	0.12	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	0.14	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	0.59	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2892-01	Acq On:	25 Aug 2025 11:44
Client Sample ID:	1-FLOOR-NORTH-EAST-4	Operator:	YP/AJ
Data file:	FC069720.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	422010	2.917	300	ug/ml
Aliphatic C12-C16	6.595	9.997	640037	4.462	200	ug/ml
Aliphatic C16-C21	9.998	13.365	609127	4.561	300	ug/ml
Aliphatic C21-C28	13.366	17.031	635245	5.369	400	ug/ml
Aliphatic C28-C40	17.032	22.006	3190889	33.477	600	ug/ml
Aliphatic EPH	3.297	22.006	5497308	50.786		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3247552	29.79		ug/ml
Aliphatic C9-C28	3.297	17.031	2306419	17.309	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069720.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 11:44
Operator : YP/AJ
Sample : Q2892-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
1-FLOOR-NORTH-EAST-CORNER-BACK-A

Integration File: sample.E
Quant Time: Aug 26 02:09:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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...	13.100	3247552	29.788 ug/ml
Spiked Amount 50.000		Recovery =	59.58%

Target Compounds

(f)=RT Delta > 1/2 Window

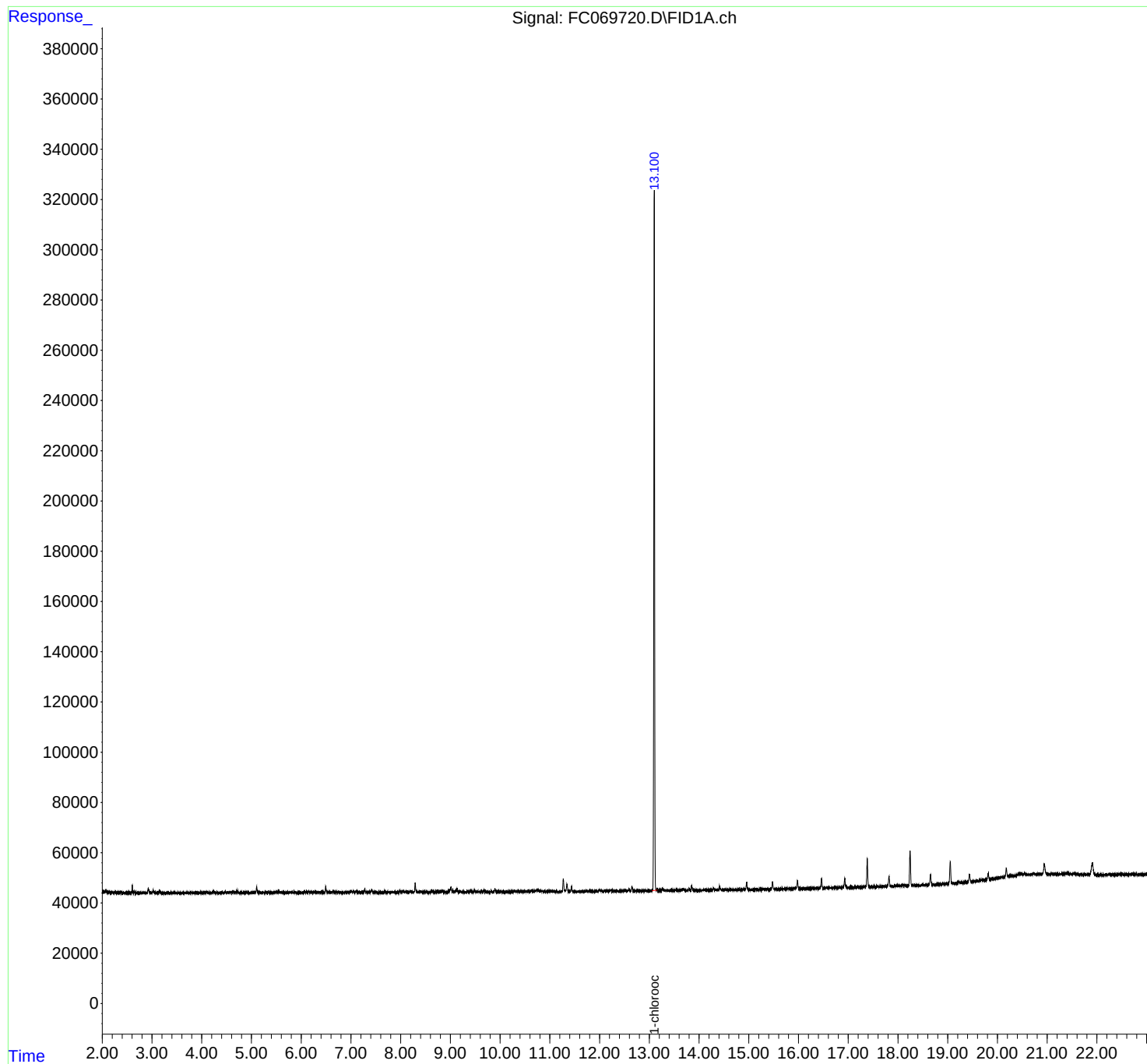
(m)=manual int.

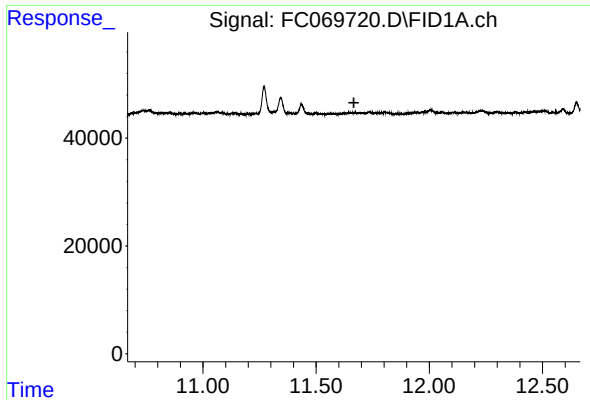
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069720.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 11:44
Operator : YP/AJ
Sample : Q2892-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
1-FLOOR-NORTH-EAST-CORNER-BACK-A

Integration File: sample.E
Quant Time: Aug 26 02:09:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

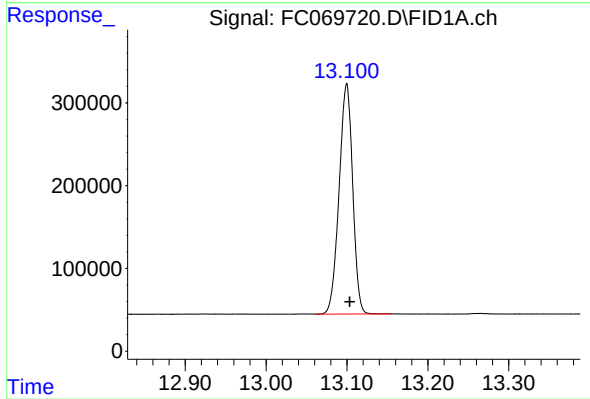




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
1-FLOOR-NORTH-EAST-CORNER-BACK-A



#12 1-chlorooctadecane (SURR)

R.T.: 13.100 min
Delta R.T.: -0.004 min
Response: 3247552
Conc: 29.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069720.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 11:44
 Sample : Q2892-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.306	3.254	3.361	BV	90	1481	0.05%	0.017%
2	3.398	3.361	3.435	PV	304	4140	0.13%	0.047%
3	3.453	3.435	3.474	VV	97	1129	0.03%	0.013%
4	3.500	3.474	3.514	VV	155	1562	0.05%	0.018%
5	3.531	3.514	3.550	VV	132	1471	0.04%	0.017%
6	3.559	3.550	3.573	VV	66	619	0.02%	0.007%
7	3.599	3.573	3.613	PV	101	1349	0.04%	0.015%
8	3.631	3.613	3.653	VV	110	1846	0.06%	0.021%
9	3.674	3.653	3.688	VV	163	2347	0.07%	0.027%
10	3.701	3.688	3.710	VV	212	1910	0.06%	0.022%
11	3.721	3.710	3.750	VV	269	2986	0.09%	0.034%
12	3.772	3.750	3.810	VV	166	3477	0.11%	0.040%
13	3.844	3.810	3.858	VV	189	3145	0.10%	0.036%
14	3.861	3.858	3.877	VV	165	1228	0.04%	0.014%
15	3.896	3.877	3.928	VV	315	5512	0.17%	0.063%
16	3.940	3.928	3.957	VV	149	1913	0.06%	0.022%
17	3.980	3.957	4.008	VV	240	4206	0.13%	0.048%
18	4.018	4.008	4.031	VV	123	977	0.03%	0.011%
19	4.069	4.031	4.083	VV	392	6659	0.20%	0.076%
20	4.096	4.083	4.151	VV	622	10004	0.31%	0.114%
21	4.161	4.151	4.194	VV	189	3351	0.10%	0.038%
22	4.243	4.194	4.267	VV	676	11997	0.37%	0.137%
23	4.282	4.267	4.294	VV	157	2398	0.07%	0.027%
24	4.308	4.294	4.321	VV	173	2262	0.07%	0.026%
25	4.324	4.321	4.331	VV	150	690	0.02%	0.008%
26	4.359	4.331	4.380	VV	169	3468	0.11%	0.040%
27	4.391	4.380	4.411	VV	207	3366	0.10%	0.038%
28	4.423	4.411	4.446	VV	205	3683	0.11%	0.042%
29	4.469	4.446	4.498	VV	702	10215	0.31%	0.116%
30	4.513	4.498	4.533	VV	278	4627	0.14%	0.053%
31	4.584	4.533	4.602	VV	306	8927	0.27%	0.102%
32	4.638	4.602	4.659	VV	715	12110	0.37%	0.138%
33	4.694	4.659	4.708	VV	652	9666	0.30%	0.110%
34	4.724	4.708	4.744	VV	1080	10989	0.34%	0.125%
35	4.756	4.744	4.797	VV	172	4465	0.14%	0.051%
36	4.845	4.797	4.870	VV	257	6683	0.20%	0.076%

					rteres			
37	4.885	4.870	4.918	VV	186	4210	0.13%	0.048%
38	4.925	4.918	4.971	VV	144	3378	0.10%	0.038%
39	5.026	4.971	5.044	VV	196	4631	0.14%	0.053%
40	5.079	5.044	5.086	VV	471	5762	0.18%	0.066%
41	5.104	5.086	5.138	VV	2490	29617	0.91%	0.337%
42	5.161	5.138	5.179	VV	633	8512	0.26%	0.097%
43	5.192	5.179	5.234	VV	223	5867	0.18%	0.067%
44	5.253	5.234	5.281	VV	131	2692	0.08%	0.031%
45	5.298	5.281	5.317	VV	218	3282	0.10%	0.037%
46	5.331	5.317	5.365	VV	217	4372	0.13%	0.050%
47	5.389	5.365	5.435	VV	196	5957	0.18%	0.068%
48	5.479	5.435	5.491	VV	217	5517	0.17%	0.063%
49	5.510	5.491	5.530	VV	607	8103	0.25%	0.092%
50	5.551	5.530	5.574	VV	1219	13734	0.42%	0.156%
51	5.608	5.574	5.624	VV	393	5695	0.17%	0.065%
52	5.632	5.624	5.658	VV	165	2536	0.08%	0.029%
53	5.698	5.658	5.740	VV	326	9933	0.30%	0.113%
54	5.755	5.740	5.771	VV	218	3107	0.09%	0.035%
55	5.800	5.771	5.826	VV	308	7187	0.22%	0.082%
56	5.858	5.826	5.898	VV	303	8029	0.25%	0.091%
57	5.921	5.898	5.931	VV	167	2476	0.08%	0.028%
58	5.967	5.931	5.993	VV	205	4559	0.14%	0.052%
59	6.009	5.993	6.035	VV	261	4549	0.14%	0.052%
60	6.069	6.035	6.091	VV	541	10542	0.32%	0.120%
61	6.108	6.091	6.129	VV	450	6768	0.21%	0.077%
62	6.151	6.129	6.184	VV	698	11674	0.36%	0.133%
63	6.212	6.184	6.238	VV	531	9467	0.29%	0.108%
64	6.283	6.238	6.324	VV	340	11397	0.35%	0.130%
65	6.354	6.324	6.368	VV	275	5259	0.16%	0.060%
66	6.376	6.368	6.400	VV	274	4593	0.14%	0.052%
67	6.415	6.400	6.436	VV	278	4842	0.15%	0.055%
68	6.443	6.436	6.451	VV	197	1913	0.06%	0.022%
69	6.493	6.451	6.526	VV	2623	34624	1.06%	0.394%
70	6.534	6.526	6.556	VV	262	3869	0.12%	0.044%
71	6.577	6.556	6.591	VV	504	6499	0.20%	0.074%
72	6.609	6.591	6.628	VV	324	5267	0.16%	0.060%
73	6.642	6.628	6.668	VV	850	10441	0.32%	0.119%
74	6.678	6.668	6.701	VV	343	4776	0.15%	0.054%
75	6.716	6.701	6.756	VV	463	7137	0.22%	0.081%
76	6.766	6.756	6.786	VV	210	2454	0.08%	0.028%
77	6.818	6.786	6.847	VV	221	5094	0.16%	0.058%
78	6.861	6.847	6.911	VV	185	5099	0.16%	0.058%
79	6.936	6.911	6.964	VV	453	7514	0.23%	0.086%
80	6.991	6.964	7.022	VV	663	13393	0.41%	0.153%
81	7.050	7.022	7.083	VV	529	13430	0.41%	0.153%
82	7.117	7.083	7.140	VV	709	14418	0.44%	0.164%
83	7.155	7.140	7.179	VV	276	4489	0.14%	0.051%
84	7.195	7.179	7.211	VV	260	3649	0.11%	0.042%
85	7.224	7.211	7.247	VV	293	4236	0.13%	0.048%
86	7.279	7.247	7.317	VV	1582	22061	0.67%	0.251%
87	7.336	7.317	7.368	VV	321	6934	0.21%	0.079%
88	7.385	7.368	7.397	VV	344	4456	0.14%	0.051%
89	7.419	7.397	7.448	VV	1397	18631	0.57%	0.212%

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90	7.485	7.448	7.496	VV	377	6910	0.21%	0.079%
91	7.510	7.496	7.616	VV	383	10665	0.33%	0.122%
92	7.627	7.616	7.655	VV	127	1825	0.06%	0.021%
93	7.681	7.655	7.728	VV	718	9985	0.31%	0.114%
94	7.768	7.728	7.791	VV	215	5979	0.18%	0.068%
95	7.850	7.791	7.868	VV	224	6249	0.19%	0.071%
96	7.873	7.868	7.921	VV	158	3661	0.11%	0.042%
97	7.943	7.921	7.960	VV	262	3229	0.10%	0.037%
98	7.986	7.960	8.018	VV	807	10440	0.32%	0.119%
99	8.043	8.018	8.074	VV	514	9525	0.29%	0.109%
100	8.113	8.074	8.127	VV	332	7365	0.23%	0.084%
101	8.141	8.127	8.176	VV	503	7663	0.23%	0.087%
102	8.198	8.176	8.229	VV	636	11767	0.36%	0.134%
103	8.236	8.229	8.254	VV	286	3670	0.11%	0.042%
104	8.292	8.254	8.368	VV	3968	57084	1.75%	0.650%
105	8.403	8.368	8.426	VV	513	12498	0.38%	0.142%
106	8.442	8.426	8.471	VV	330	5861	0.18%	0.067%
107	8.487	8.471	8.508	VV	231	3790	0.12%	0.043%
108	8.526	8.508	8.563	VV	369	5160	0.16%	0.059%
109	8.619	8.563	8.684	PV	564	21524	0.66%	0.245%
110	8.752	8.684	8.771	VV	448	15413	0.47%	0.176%
111	8.782	8.771	8.799	VV	508	6687	0.20%	0.076%
112	8.832	8.799	8.877	VV	711	18418	0.56%	0.210%
113	8.895	8.877	8.928	VV	316	4953	0.15%	0.056%
114	8.950	8.928	8.962	VV	412	5669	0.17%	0.065%
115	9.011	8.962	9.035	VV	1804	40712	1.24%	0.464%
116	9.051	9.035	9.064	VV	827	10687	0.33%	0.122%
117	9.075	9.064	9.089	VV	543	6513	0.20%	0.074%
118	9.132	9.089	9.188	VV	1595	34979	1.07%	0.399%
119	9.203	9.188	9.238	VV	532	7256	0.22%	0.083%
120	9.252	9.238	9.280	VV	356	5121	0.16%	0.058%
121	9.299	9.280	9.321	VV	182	3507	0.11%	0.040%
122	9.338	9.321	9.351	VV	234	3756	0.11%	0.043%
123	9.357	9.351	9.382	VV	286	3908	0.12%	0.045%
124	9.418	9.382	9.457	VV	540	13696	0.42%	0.156%
125	9.483	9.457	9.518	VV	937	15397	0.47%	0.175%
126	9.537	9.518	9.565	VV	351	6299	0.19%	0.072%
127	9.575	9.565	9.600	VV	289	4068	0.12%	0.046%
128	9.624	9.600	9.652	VV	616	10853	0.33%	0.124%
129	9.675	9.652	9.722	VV	1012	15532	0.47%	0.177%
130	9.736	9.722	9.784	VV	267	5368	0.16%	0.061%
131	9.816	9.784	9.845	PV	455	7133	0.22%	0.081%
132	9.854	9.845	9.869	VV	125	1498	0.05%	0.017%
133	9.896	9.869	9.951	VV	1396	22201	0.68%	0.253%
134	9.969	9.951	10.047	VV	366	12084	0.37%	0.138%
135	10.068	10.047	10.107	VV	201	3996	0.12%	0.046%
136	10.119	10.107	10.135	VV	127	1536	0.05%	0.018%
137	10.169	10.135	10.188	VV	222	4570	0.14%	0.052%
138	10.222	10.188	10.254	VV	299	9003	0.28%	0.103%
139	10.289	10.254	10.308	VV	570	11428	0.35%	0.130%
140	10.329	10.308	10.349	VV	483	8879	0.27%	0.101%
141	10.375	10.349	10.468	VV	373	16402	0.50%	0.187%

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142	10.500	10.468	10.513	VV	398	7313	0.22%	0.083%
143	10.536	10.513	10.549	VV	410	7573	0.23%	0.086%
144	10.568	10.549	10.598	VV	519	11744	0.36%	0.134%
145	10.635	10.598	10.673	VV	743	19158	0.59%	0.218%
146	10.734	10.673	10.747	VV	767	21189	0.65%	0.241%
147	10.764	10.747	10.799	VV	858	17292	0.53%	0.197%
148	10.822	10.799	10.834	VV	336	6451	0.20%	0.073%
149	10.846	10.834	10.884	VV	356	7474	0.23%	0.085%
150	10.893	10.884	10.911	VV	180	2831	0.09%	0.032%
151	10.959	10.911	10.984	VV	309	10000	0.31%	0.114%
152	11.004	10.984	11.019	VV	327	5403	0.17%	0.062%
153	11.032	11.019	11.041	VV	272	3304	0.10%	0.038%
154	11.062	11.041	11.079	VV	489	8445	0.26%	0.096%
155	11.087	11.079	11.112	VV	313	4131	0.13%	0.047%
156	11.131	11.112	11.161	VV	262	5181	0.16%	0.059%
157	11.169	11.161	11.181	VV	89	728	0.02%	0.008%
158	11.270	11.181	11.303	VV	5255	76688	2.34%	0.874%
159	11.344	11.303	11.371	VV	3106	49728	1.52%	0.567%
160	11.384	11.371	11.406	VV	263	4350	0.13%	0.050%
161	11.435	11.406	11.481	VV	1892	27237	0.83%	0.310%
162	11.497	11.481	11.518	VV	202	2816	0.09%	0.032%
163	11.527	11.518	11.548	VV	82	1084	0.03%	0.012%
164	11.567	11.548	11.595	VV	149	2715	0.08%	0.031%
165	11.662	11.595	11.688	PV	285	9769	0.30%	0.111%
166	11.696	11.688	11.718	VV	284	3784	0.12%	0.043%
167	11.735	11.718	11.781	VV	388	8811	0.27%	0.100%
168	11.805	11.781	11.881	VV	359	8669	0.27%	0.099%
169	11.945	11.881	11.954	VV	296	7148	0.22%	0.081%
170	12.007	11.954	12.034	VV	731	19635	0.60%	0.224%
171	12.057	12.034	12.084	VV	331	6110	0.19%	0.070%
172	12.106	12.084	12.130	VV	315	5526	0.17%	0.063%
173	12.148	12.130	12.184	VV	334	7097	0.22%	0.081%
174	12.230	12.184	12.276	VV	560	16666	0.51%	0.190%
175	12.301	12.276	12.368	VV	300	10245	0.31%	0.117%
176	12.383	12.368	12.398	VV	279	3282	0.10%	0.037%
177	12.419	12.398	12.441	VV	275	5378	0.16%	0.061%
178	12.464	12.441	12.477	VV	454	7267	0.22%	0.083%
179	12.510	12.477	12.538	VV	556	13187	0.40%	0.150%
180	12.546	12.538	12.552	VV	153	1336	0.04%	0.015%
181	12.591	12.552	12.618	VV	808	13031	0.40%	0.148%
182	12.651	12.618	12.674	PV	2080	27357	0.84%	0.312%
183	12.693	12.674	12.704	VV	242	3235	0.10%	0.037%
184	12.726	12.704	12.741	VV	167	3248	0.10%	0.037%
185	12.769	12.741	12.844	VV	325	9570	0.29%	0.109%
186	12.866	12.844	12.882	VV	125	1935	0.06%	0.022%
187	12.926	12.882	12.949	VV	270	7804	0.24%	0.089%
188	12.972	12.949	13.000	VV	228	5821	0.18%	0.066%
189	13.020	13.000	13.031	VV	212	3198	0.10%	0.036%
190	13.046	13.031	13.064	VV	299	5027	0.15%	0.057%
191	13.100	13.064	13.183	VV	278474	3271065	100.00%	37.268%
192	13.198	13.183	13.232	VV	277	7167	0.22%	0.082%
193	13.264	13.232	13.299	VV	960	18798	0.57%	0.214%
194	13.309	13.299	13.364	VV	310	10377	0.32%	0.118%

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195	13.369	13.364	13.401	VV	281	4994	0.15%	0.057%
196	13.442	13.401	13.461	VV	407	9870	0.30%	0.112%
197	13.470	13.461	13.514	VV	329	8432	0.26%	0.096%
198	13.550	13.514	13.589	VV	356	12215	0.37%	0.139%
199	13.614	13.589	13.628	VV	203	3925	0.12%	0.045%
200	13.673	13.628	13.742	VV	582	21330	0.65%	0.243%
201	13.801	13.742	13.826	VV	795	16917	0.52%	0.193%
202	13.851	13.826	13.897	VV	1954	29094	0.89%	0.331%
203	13.909	13.897	13.998	VV	217	7688	0.24%	0.088%
204	14.014	13.998	14.031	VV	126	1730	0.05%	0.020%
205	14.075	14.031	14.130	VV	278	8801	0.27%	0.100%
206	14.147	14.130	14.164	VV	168	2546	0.08%	0.029%
207	14.184	14.164	14.204	VV	206	3464	0.11%	0.039%
208	14.290	14.204	14.354	VV	958	26086	0.80%	0.297%
209	14.369	14.354	14.388	VV	252	3873	0.12%	0.044%
210	14.414	14.388	14.470	VV	1765	26622	0.81%	0.303%
211	14.488	14.470	14.498	VV	202	2831	0.09%	0.032%
212	14.508	14.498	14.518	VV	216	2167	0.07%	0.025%
213	14.545	14.518	14.561	VV	272	5608	0.17%	0.064%
214	14.587	14.561	14.608	VV	314	7380	0.23%	0.084%
215	14.617	14.608	14.654	VV	230	5059	0.15%	0.058%
216	14.666	14.654	14.709	VV	235	5494	0.17%	0.063%
217	14.721	14.709	14.754	VV	249	5307	0.16%	0.060%
218	14.768	14.754	14.776	VV	261	2802	0.09%	0.032%
219	14.798	14.776	14.847	VV	482	10307	0.32%	0.117%
220	14.857	14.847	14.871	VV	162	1424	0.04%	0.016%
221	14.911	14.871	14.930	VV	519	9517	0.29%	0.108%
222	14.957	14.930	15.068	VV	3041	49013	1.50%	0.558%
223	15.155	15.068	15.164	VV	175	6157	0.19%	0.070%
224	15.191	15.164	15.254	VV	181	5564	0.17%	0.063%
225	15.297	15.254	15.309	PV	190	3903	0.12%	0.044%
226	15.336	15.309	15.367	VV	171	4531	0.14%	0.052%
227	15.385	15.367	15.404	VV	190	3597	0.11%	0.041%
228	15.477	15.404	15.524	VV	3121	49341	1.51%	0.562%
229	15.532	15.524	15.558	VV	222	2853	0.09%	0.033%
230	15.605	15.558	15.644	VV	170	5978	0.18%	0.068%
231	15.662	15.644	15.674	VV	191	2795	0.09%	0.032%
232	15.685	15.674	15.699	VV	209	2471	0.08%	0.028%
233	15.745	15.699	15.758	VV	224	5552	0.17%	0.063%
234	15.800	15.758	15.838	VV	358	11420	0.35%	0.130%
235	15.848	15.838	15.891	VV	253	5918	0.18%	0.067%
236	15.902	15.891	15.914	VV	218	2500	0.08%	0.028%
237	15.940	15.914	15.953	VV	457	6832	0.21%	0.078%
238	15.979	15.953	16.026	VV	3358	49319	1.51%	0.562%
239	16.036	16.026	16.063	VV	178	2470	0.08%	0.028%
240	16.081	16.063	16.103	PV	94	1449	0.04%	0.017%
241	16.118	16.103	16.139	VV	149	2021	0.06%	0.023%
242	16.187	16.139	16.216	VV	184	4943	0.15%	0.056%
243	16.263	16.216	16.274	VV	131	2944	0.09%	0.034%
244	16.290	16.274	16.318	VV	252	3832	0.12%	0.044%
245	16.343	16.318	16.363	VV	244	3591	0.11%	0.041%
246	16.374	16.363	16.394	VV	159	1248	0.04%	0.014%

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247	16.463	16.394	16.498	PV	3966	56655	1.73%	0.645%
248	16.504	16.498	16.527	VV	181	1866	0.06%	0.021%
249	16.596	16.527	16.608	VV	139	4416	0.14%	0.050%
250	16.635	16.608	16.660	VV	201	4783	0.15%	0.054%
251	16.676	16.660	16.717	VV	184	3806	0.12%	0.043%
252	16.729	16.717	16.741	VV	139	1280	0.04%	0.015%
253	16.763	16.741	16.783	VV	224	4140	0.13%	0.047%
254	16.814	16.783	16.841	VV	333	6398	0.20%	0.073%
255	16.858	16.841	16.873	VV	219	2907	0.09%	0.033%
256	16.930	16.873	17.001	VV	3573	63269	1.93%	0.721%
257	17.055	17.001	17.104	VV	177	6290	0.19%	0.072%
258	17.115	17.104	17.131	PV	113	1482	0.05%	0.017%
259	17.140	17.131	17.162	VV	169	2227	0.07%	0.025%
260	17.197	17.162	17.208	VV	239	4851	0.15%	0.055%
261	17.223	17.208	17.258	VV	198	3847	0.12%	0.044%
262	17.268	17.258	17.292	VV	218	2618	0.08%	0.030%
263	17.323	17.292	17.347	PV	216	5112	0.16%	0.058%
264	17.383	17.347	17.447	VV	11370	156171	4.77%	1.779%
265	17.511	17.447	17.553	VV	255	10066	0.31%	0.115%
266	17.561	17.553	17.571	VV	108	992	0.03%	0.011%
267	17.594	17.571	17.631	VV	183	3701	0.11%	0.042%
268	17.663	17.631	17.694	VV	249	5595	0.17%	0.064%
269	17.717	17.694	17.758	VV	219	5339	0.16%	0.061%
270	17.819	17.758	17.861	VV	4056	66917	2.05%	0.762%
271	17.872	17.861	17.904	VV	137	2283	0.07%	0.026%
272	17.980	17.904	18.052	VV	521	17778	0.54%	0.203%
273	18.094	18.052	18.121	PV	306	6021	0.18%	0.069%
274	18.140	18.121	18.161	VV	291	4521	0.14%	0.052%
275	18.243	18.161	18.291	VV	13957	203326	6.22%	2.317%
276	18.302	18.291	18.320	VV	149	1400	0.04%	0.016%
277	18.343	18.320	18.368	VV	341	4842	0.15%	0.055%
278	18.379	18.368	18.454	VV	150	2979	0.09%	0.034%
279	18.504	18.454	18.527	PV	291	5574	0.17%	0.063%
280	18.562	18.527	18.601	VV	160	4576	0.14%	0.052%
281	18.653	18.601	18.726	VV	4118	67037	2.05%	0.764%
282	18.762	18.726	18.780	PV	240	4186	0.13%	0.048%
283	18.788	18.780	18.796	VV	224	1464	0.04%	0.017%
284	18.812	18.796	18.835	VV	221	3676	0.11%	0.042%
285	18.847	18.835	18.864	VV	116	1178	0.04%	0.013%
286	18.908	18.864	18.940	VV	340	6627	0.20%	0.076%
287	18.980	18.940	19.001	VV	505	9399	0.29%	0.107%
288	19.051	19.001	19.140	VV	8953	142721	4.36%	1.626%
289	19.165	19.140	19.191	VV	353	7813	0.24%	0.089%
290	19.229	19.191	19.255	VV	502	14178	0.43%	0.162%
291	19.298	19.255	19.327	VV	435	14139	0.43%	0.161%
292	19.347	19.327	19.380	VV	461	11324	0.35%	0.129%
293	19.438	19.380	19.511	VV	3410	74959	2.29%	0.854%
294	19.525	19.511	19.534	VV	451	5889	0.18%	0.067%
295	19.642	19.534	19.657	VV	731	40925	1.25%	0.466%
296	19.685	19.657	19.694	VV	920	18780	0.57%	0.214%
297	19.728	19.694	19.765	VV	983	37008	1.13%	0.422%
298	19.814	19.765	19.850	VV	3168	78925	2.41%	0.899%
299	19.872	19.850	19.890	VV	1065	24018	0.73%	0.274%

					rteres			
300	19.986	19.890	20.007	VV	1406	82149	2.51%	0.936%
301	20.019	20.007	20.024	VV	1357	13539	0.41%	0.154%
302	20.050	20.024	20.065	VV	1486	34785	1.06%	0.396%
303	20.095	20.065	20.114	VV	1627	43255	1.32%	0.493%
304	20.179	20.114	20.214	VV	4824	141811	4.34%	1.616%
305	20.227	20.214	20.284	VV	1871	75274	2.30%	0.858%
306	20.358	20.284	20.370	VV	1917	93654	2.86%	1.067%
307	20.416	20.370	20.423	VV	2323	66399	2.03%	0.756%
308	20.458	20.423	20.518	VV	2539	131280	4.01%	1.496%
309	20.543	20.518	20.591	VV	2733	97107	2.97%	1.106%
310	20.601	20.591	20.609	VV	1902	19915	0.61%	0.227%
311	20.677	20.609	20.694	VV	2050	99750	3.05%	1.136%
312	20.731	20.694	20.769	VV	2139	91972	2.81%	1.048%
313	20.780	20.769	20.804	VV	2042	41976	1.28%	0.478%
314	20.841	20.804	20.879	VV	1972	86443	2.64%	0.985%
315	20.943	20.879	21.041	VV	5885	247283	7.56%	2.817%
316	21.054	21.041	21.096	VV	1702	52894	1.62%	0.603%
317	21.124	21.096	21.201	VV	1671	97196	2.97%	1.107%
318	21.213	21.201	21.224	VV	1500	20443	0.62%	0.233%
319	21.292	21.224	21.334	VV	1516	94719	2.90%	1.079%
320	21.343	21.334	21.354	VV	1419	16522	0.51%	0.188%
321	21.395	21.354	21.448	VV	1771	83086	2.54%	0.947%
322	21.465	21.448	21.526	VV	1347	58427	1.79%	0.666%
323	21.537	21.526	21.611	VV	1205	52463	1.60%	0.598%
324	21.617	21.611	21.692	VV	955	37803	1.16%	0.431%
325	21.702	21.692	21.731	VV	738	16141	0.49%	0.184%
326	21.758	21.731	21.814	VV	699	30648	0.94%	0.349%
327	21.827	21.814	21.838	VV	495	6701	0.20%	0.076%
328	21.907	21.838	22.040	VV	5095	164500	5.03%	1.874%
329	22.055	22.040	22.094	VV	238	5880	0.18%	0.067%
330	22.110	22.094	22.132	VV	159	2312	0.07%	0.026%
331	22.141	22.132	22.150	VV	82	663	0.02%	0.008%
Sum of corrected areas:							8777230	

Aliphatic EPH 080125.M Tue Aug 26 03:57:06 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	1-FLOOR-NORTH-EAST-CORNER-BACK-A	SDG No.:	Q2892
Lab Sample ID:	Q2892-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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
FD049656.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	J	0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.40	J	0.26	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.29		0.45	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.06	J	1.32	2.97	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.1		40 - 140	104%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.3		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.8		40 - 140	70%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-01	Acq On:	23 Aug 2025 00:47
Client Sample ID:	1-FLOOR-NORTH-EAST-4	Operator:	YP/AJ
Data file:	FD049656.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	4.407	6.150	442455	4.099	200	ug/ml
Aromatic C12-C16	6.151	8.778	660448	5.344	300	ug/ml
Aromatic C16-C21	8.779	13.069	3904300	30.867	500	ug/ml
Aromatic C21-C36	13.070	18.489	3123863	27.739	800	ug/ml
Aromatic EPH	4.407	18.489	8131066	68.049		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	5336727	52.07		ug/ml
2-Fluorobiphenyl (SURR)	8.581	8.581	3817742	52.27		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	4512377	34.77		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049656.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 00:47
 Operator : YP/AJ
 Sample : Q2892-01
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 1-FLOOR-NORTH-EAST-CORNER-BACK-A

Integration File: sample.E
 Quant Time: Aug 25 01:51:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.715	5336727	52.072 ug/ml
Spiked Amount 50.000		Recovery =	104.14%
6) S 2-Fluorobiphenyl (SURR)	8.581	3817742	52.265 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	104.53%
11) S ortho-Terphenyl (SURR)	11.626	4512377	34.765 ug/ml
Spiked Amount 50.000		Recovery =	69.53%

Target Compounds

(f)=RT Delta > 1/2 Window

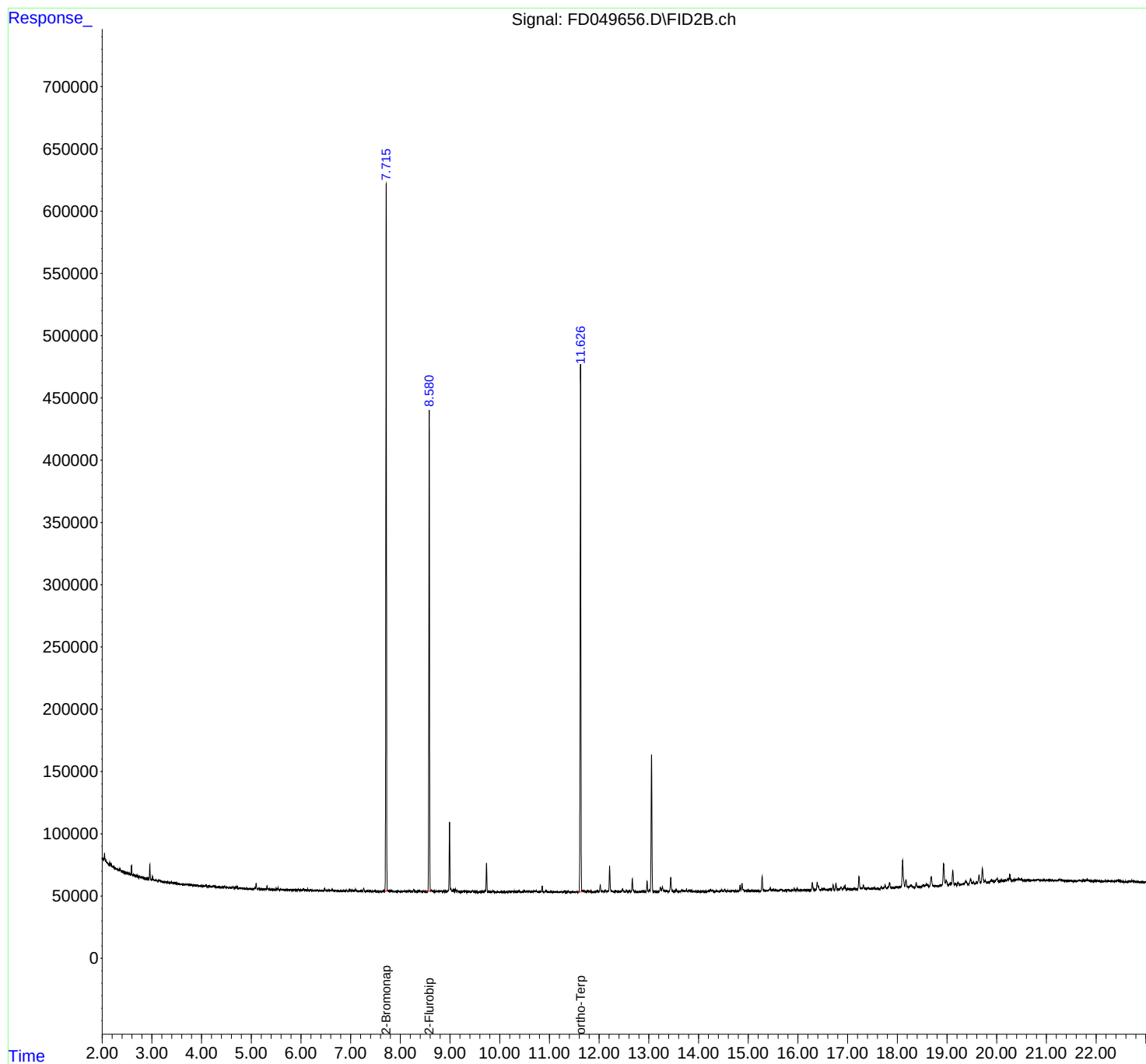
(m)=manual int.

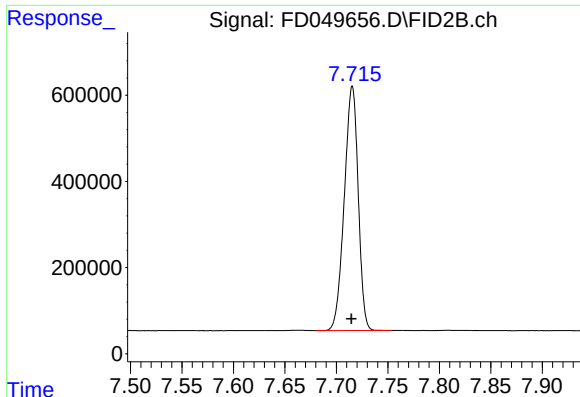
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049656.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 00:47
Operator : YP/AJ
Sample : Q2892-01
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
1-FLOOR-NORTH-EAST-CORNER-BACK-A

Integration File: sample.E
Quant Time: Aug 25 01:51:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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)

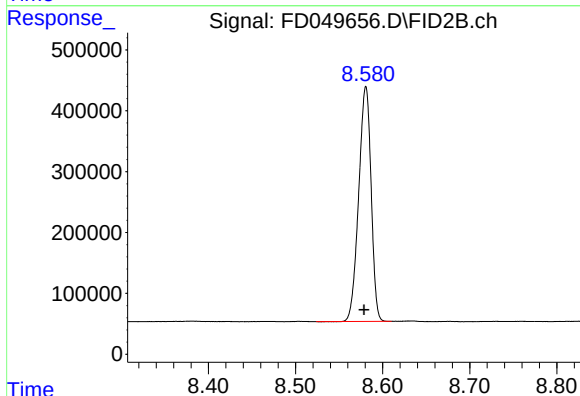
R.T.: 7.715 min
Delta R.T.: 0.001 min
Response: 5336727
Conc: 52.07 ug/ml

Instrument :

FID_D

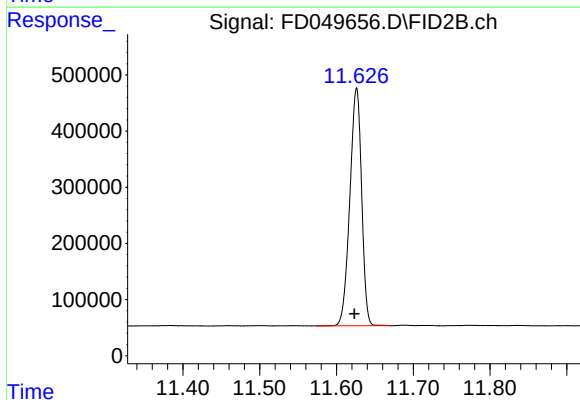
ClientSampleId :

1-FLOOR-NORTH-EAST-CORNER-BACK-A



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.581 min
Delta R.T.: 0.002 min
Response: 3817742
Conc: 52.27 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: 0.003 min
Response: 4512377
Conc: 34.77 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049656.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 00:47
 Sample : Q2892-01
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.260	4.252	4.274	BV	249	1456	0.03%	0.007%
2	4.280	4.274	4.327	PV	98	1845	0.03%	0.008%
3	4.332	4.327	4.350	PV	226	1201	0.02%	0.005%
4	4.391	4.381	4.404	VV	222	1634	0.03%	0.007%
5	4.417	4.404	4.435	PV	487	5195	0.10%	0.024%
6	4.463	4.435	4.485	VV	1651	17470	0.33%	0.080%
7	4.502	4.485	4.545	VV	466	9358	0.17%	0.043%
8	4.553	4.545	4.565	VV	335	2510	0.05%	0.011%
9	4.578	4.565	4.594	VV	441	3854	0.07%	0.018%
10	4.608	4.594	4.617	VV	477	4598	0.09%	0.021%
11	4.632	4.617	4.670	VV	1644	19022	0.35%	0.087%
12	4.687	4.670	4.703	VV	1406	13642	0.25%	0.062%
13	4.717	4.703	4.743	VV	2041	18506	0.34%	0.085%
14	4.749	4.743	4.761	VV	351	1902	0.04%	0.009%
15	4.768	4.761	4.785	VV	433	3590	0.07%	0.016%
16	4.796	4.785	4.819	VV	535	6824	0.13%	0.031%
17	4.832	4.819	4.854	VV	710	7227	0.13%	0.033%
18	4.864	4.854	4.887	PV	282	3779	0.07%	0.017%
19	4.908	4.887	4.927	VV	623	8309	0.15%	0.038%
20	4.941	4.927	4.950	VV	276	2045	0.04%	0.009%
21	4.962	4.950	4.968	VV	360	2032	0.04%	0.009%
22	4.981	4.968	5.005	VV	286	3754	0.07%	0.017%
23	5.019	5.005	5.045	PV	465	5416	0.10%	0.025%
24	5.071	5.045	5.079	VV	1021	11553	0.22%	0.053%
25	5.098	5.079	5.128	VV	4764	54448	1.01%	0.249%
26	5.156	5.128	5.175	VV	1136	13960	0.26%	0.064%
27	5.187	5.175	5.228	VV	561	9207	0.17%	0.042%
28	5.233	5.228	5.247	VV	258	2299	0.04%	0.011%
29	5.251	5.247	5.275	VV	235	2682	0.05%	0.012%
30	5.290	5.275	5.300	VV	434	4330	0.08%	0.020%
31	5.317	5.300	5.363	VV	3241	35332	0.66%	0.161%
32	5.374	5.363	5.393	VV	329	4068	0.08%	0.019%
33	5.401	5.393	5.418	VV	214	1752	0.03%	0.008%
34	5.426	5.418	5.439	VV	258	1552	0.03%	0.007%
35	5.457	5.439	5.465	PV	274	2978	0.06%	0.014%
36	5.469	5.465	5.482	VV	289	2121	0.04%	0.010%

					rteres			
37	5.498	5.482	5.523	VV	820	10038	0.19%	0.046%
38	5.541	5.523	5.569	VV	1727	17988	0.34%	0.082%
39	5.599	5.569	5.612	VV	566	7950	0.15%	0.036%
40	5.615	5.612	5.624	VV	182	1299	0.02%	0.006%
41	5.635	5.624	5.648	VV	394	3731	0.07%	0.017%
42	5.665	5.648	5.671	VV	405	3017	0.06%	0.014%
43	5.679	5.671	5.705	VV	366	4995	0.09%	0.023%
44	5.710	5.705	5.729	VV	261	1867	0.03%	0.009%
45	5.736	5.729	5.774	VV	351	6321	0.12%	0.029%
46	5.792	5.774	5.823	VV	422	7455	0.14%	0.034%
47	5.835	5.823	5.857	VV	363	5974	0.11%	0.027%
48	5.861	5.857	5.864	VV	369	1490	0.03%	0.007%
49	5.866	5.864	5.889	VV	404	3301	0.06%	0.015%
50	5.900	5.889	5.918	VV	428	3818	0.07%	0.017%
51	5.952	5.918	5.974	VV	866	15257	0.28%	0.070%
52	5.994	5.974	6.013	VV	464	8803	0.16%	0.040%
53	6.050	6.013	6.077	VV	1890	27568	0.51%	0.126%
54	6.096	6.077	6.120	VV	656	10479	0.20%	0.048%
55	6.138	6.120	6.165	VV	1189	15789	0.29%	0.072%
56	6.198	6.165	6.238	VV	840	15934	0.30%	0.073%
57	6.242	6.238	6.246	VV	331	1323	0.02%	0.006%
58	6.271	6.246	6.301	VV	602	11788	0.22%	0.054%
59	6.326	6.301	6.355	VV	738	13183	0.25%	0.060%
60	6.373	6.355	6.396	VV	319	5551	0.10%	0.025%
61	6.403	6.396	6.422	VV	348	3659	0.07%	0.017%
62	6.427	6.422	6.432	VV	528	2712	0.05%	0.012%
63	6.436	6.432	6.461	VV	445	4581	0.09%	0.021%
64	6.479	6.461	6.501	PV	1851	21337	0.40%	0.098%
65	6.512	6.501	6.530	VV	568	8154	0.15%	0.037%
66	6.536	6.530	6.542	VV	502	3123	0.06%	0.014%
67	6.562	6.542	6.580	VV	870	12436	0.23%	0.057%
68	6.597	6.580	6.611	VV	861	9841	0.18%	0.045%
69	6.627	6.611	6.651	VV	1570	18472	0.34%	0.084%
70	6.661	6.651	6.687	VV	638	8197	0.15%	0.037%
71	6.701	6.687	6.721	VV	860	10541	0.20%	0.048%
72	6.727	6.721	6.731	VV	398	1720	0.03%	0.008%
73	6.741	6.731	6.778	VV	469	7486	0.14%	0.034%
74	6.800	6.778	6.830	PV	512	7780	0.14%	0.036%
75	6.836	6.830	6.840	VV	402	1675	0.03%	0.008%
76	6.857	6.840	6.892	VV	693	11661	0.22%	0.053%
77	6.920	6.892	6.945	VV	947	14919	0.28%	0.068%
78	6.974	6.945	6.991	VV	1445	21069	0.39%	0.096%
79	6.995	6.991	7.000	VV	688	3504	0.07%	0.016%
80	7.033	7.000	7.070	VV	1081	25697	0.48%	0.117%
81	7.101	7.070	7.134	VV	1771	30410	0.57%	0.139%
82	7.142	7.134	7.154	VV	379	3854	0.07%	0.018%
83	7.156	7.154	7.166	VV	379	2010	0.04%	0.009%
84	7.179	7.166	7.195	VV	488	5353	0.10%	0.024%
85	7.209	7.195	7.232	VV	513	7410	0.14%	0.034%
86	7.262	7.232	7.298	VV	2815	36458	0.68%	0.167%
87	7.318	7.298	7.332	PV	593	6685	0.12%	0.031%
88	7.340	7.332	7.353	VV	505	4628	0.09%	0.021%
89	7.366	7.353	7.382	VV	548	5773	0.11%	0.026%

					rteres			
90	7.398	7.382	7.432	VV	955	12549	0.23%	0.057%
91	7.439	7.432	7.446	VV	265	1575	0.03%	0.007%
92	7.462	7.446	7.468	VV	613	4835	0.09%	0.022%
93	7.470	7.468	7.480	VV	539	3351	0.06%	0.015%
94	7.492	7.480	7.509	VV	713	7614	0.14%	0.035%
95	7.533	7.509	7.544	VV	261	2929	0.05%	0.013%
96	7.554	7.544	7.581	VV	213	3225	0.06%	0.015%
97	7.614	7.581	7.620	PV	363	4617	0.09%	0.021%
98	7.635	7.620	7.642	VV	474	3930	0.07%	0.018%
99	7.662	7.642	7.683	VV	1072	14887	0.28%	0.068%
100	7.715	7.683	7.779	VV	568068	5366511	100.00%	24.530%
101	7.785	7.779	7.792	VV	558	3310	0.06%	0.015%
102	7.808	7.792	7.851	VV	990	20451	0.38%	0.093%
103	7.857	7.851	7.872	VV	347	3222	0.06%	0.015%
104	7.880	7.872	7.894	VV	262	2720	0.05%	0.012%
105	7.919	7.894	7.940	VV	336	6158	0.11%	0.028%
106	7.967	7.940	7.995	VV	782	11710	0.22%	0.054%
107	8.002	7.995	8.010	VV	227	1521	0.03%	0.007%
108	8.020	8.010	8.036	VV	356	4171	0.08%	0.019%
109	8.043	8.036	8.052	VV	380	3194	0.06%	0.015%
110	8.077	8.052	8.088	VV	548	8140	0.15%	0.037%
111	8.095	8.088	8.120	VV	403	5866	0.11%	0.027%
112	8.127	8.120	8.137	VV	358	2895	0.05%	0.013%
113	8.168	8.137	8.186	VV	864	13698	0.26%	0.063%
114	8.195	8.186	8.214	VV	469	6256	0.12%	0.029%
115	8.220	8.214	8.232	VV	411	3714	0.07%	0.017%
116	8.236	8.232	8.244	VV	288	1579	0.03%	0.007%
117	8.270	8.244	8.288	VV	2001	23701	0.44%	0.108%
118	8.297	8.288	8.320	VV	416	6094	0.11%	0.028%
119	8.363	8.320	8.370	VV	744	12844	0.24%	0.059%
120	8.382	8.370	8.410	VV	1039	16206	0.30%	0.074%
121	8.422	8.410	8.444	VV	489	6772	0.13%	0.031%
122	8.472	8.444	8.486	VV	626	10830	0.20%	0.050%
123	8.504	8.486	8.544	VV	766	12904	0.24%	0.059%
124	8.581	8.544	8.610	VV	386744	3841944	71.59%	17.561%
125	8.634	8.610	8.659	VV	1356	25427	0.47%	0.116%
126	8.677	8.659	8.694	VV	773	10211	0.19%	0.047%
127	8.730	8.694	8.749	VV	867	17290	0.32%	0.079%
128	8.760	8.749	8.775	VV	986	11128	0.21%	0.051%
129	8.780	8.775	8.795	VV	667	6378	0.12%	0.029%
130	8.813	8.795	8.819	VV	823	9298	0.17%	0.042%
131	8.825	8.819	8.856	VV	1043	12222	0.23%	0.056%
132	8.871	8.856	8.884	VV	873	9167	0.17%	0.042%
133	8.889	8.884	8.905	VV	501	4934	0.09%	0.023%
134	8.917	8.905	8.932	VV	690	8380	0.16%	0.038%
135	8.990	8.932	9.010	VV	56319	583095	10.87%	2.665%
136	9.017	9.010	9.039	VV	2882	32860	0.61%	0.150%
137	9.048	9.039	9.055	VV	1007	8351	0.16%	0.038%
138	9.071	9.055	9.091	VV	2212	28443	0.53%	0.130%
139	9.110	9.091	9.129	VV	2058	29268	0.55%	0.134%
140	9.142	9.129	9.165	VV	1745	20329	0.38%	0.093%
141	9.180	9.165	9.199	VV	702	7697	0.14%	0.035%

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142	9.228	9.199	9.234	PV	366	4121	0.08%	0.019%
143	9.240	9.234	9.253	VV	394	3830	0.07%	0.018%
144	9.275	9.253	9.292	VV	849	13510	0.25%	0.062%
145	9.312	9.292	9.341	VV	759	13440	0.25%	0.061%
146	9.372	9.341	9.381	VV	574	7607	0.14%	0.035%
147	9.384	9.381	9.390	VV	492	2466	0.05%	0.011%
148	9.394	9.390	9.414	VV	446	4736	0.09%	0.022%
149	9.456	9.414	9.498	VV	1465	26984	0.50%	0.123%
150	9.517	9.498	9.562	VV	460	12140	0.23%	0.055%
151	9.599	9.572	9.620	VV	517	7945	0.15%	0.036%
152	9.643	9.620	9.657	PV	832	8107	0.15%	0.037%
153	9.666	9.657	9.673	VV	474	3483	0.06%	0.016%
154	9.704	9.673	9.715	VV	1545	20827	0.39%	0.095%
155	9.734	9.715	9.760	VV	23404	235236	4.38%	1.075%
156	9.765	9.760	9.770	VV	315	1614	0.03%	0.007%
157	9.784	9.770	9.824	VV	659	13934	0.26%	0.064%
158	9.828	9.824	9.844	VV	318	2733	0.05%	0.012%
159	9.867	9.844	9.894	VV	1239	18686	0.35%	0.085%
160	9.912	9.894	9.920	VV	340	3665	0.07%	0.017%
161	9.939	9.920	9.966	VV	553	11260	0.21%	0.051%
162	9.970	9.966	10.008	VV	419	6337	0.12%	0.029%
163	10.041	10.008	10.048	VV	315	5118	0.10%	0.023%
164	10.063	10.048	10.080	VV	299	4372	0.08%	0.020%
165	10.089	10.080	10.113	VV	349	3533	0.07%	0.016%
166	10.139	10.113	10.155	VV	324	5351	0.10%	0.024%
167	10.191	10.155	10.224	VV	607	16618	0.31%	0.076%
168	10.235	10.224	10.272	VV	667	16494	0.31%	0.075%
169	10.291	10.272	10.313	VV	939	14730	0.27%	0.067%
170	10.331	10.313	10.338	VV	606	7004	0.13%	0.032%
171	10.346	10.338	10.362	VV	543	5706	0.11%	0.026%
172	10.388	10.362	10.407	VV	1539	21107	0.39%	0.096%
173	10.415	10.407	10.434	VV	546	5858	0.11%	0.027%
174	10.449	10.434	10.460	VV	620	6645	0.12%	0.030%
175	10.486	10.460	10.493	VV	994	14731	0.27%	0.067%
176	10.505	10.493	10.521	VV	1012	13075	0.24%	0.060%
177	10.554	10.521	10.574	VV	922	20735	0.39%	0.095%
178	10.585	10.574	10.590	VV	1087	8836	0.16%	0.040%
179	10.593	10.590	10.612	VV	992	9827	0.18%	0.045%
180	10.620	10.612	10.640	VV	658	7812	0.15%	0.036%
181	10.659	10.640	10.672	VV	811	10692	0.20%	0.049%
182	10.696	10.672	10.714	VV	1261	22057	0.41%	0.101%
183	10.736	10.714	10.769	VV	1285	24888	0.46%	0.114%
184	10.779	10.769	10.806	VV	530	9115	0.17%	0.042%
185	10.828	10.806	10.835	VV	636	8050	0.15%	0.037%
186	10.855	10.835	10.904	VV	5257	64140	1.20%	0.293%
187	10.928	10.904	10.958	VV	1323	25482	0.47%	0.116%
188	10.971	10.958	10.992	VV	547	7417	0.14%	0.034%
189	11.001	10.992	11.012	VV	506	5028	0.09%	0.023%
190	11.034	11.012	11.072	VV	922	17985	0.34%	0.082%
191	11.081	11.072	11.087	VV	310	1867	0.03%	0.009%
192	11.117	11.087	11.131	VV	711	11870	0.22%	0.054%
193	11.141	11.131	11.180	VV	630	12625	0.24%	0.058%
194	11.232	11.206	11.255	PV	699	10536	0.20%	0.048%

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195	11.271	11.255	11.279	VV	538	4949	0.09%	0.023%
196	11.281	11.279	11.287	VV	415	1757	0.03%	0.008%
197	11.304	11.287	11.337	VV	1133	15590	0.29%	0.071%
198	11.383	11.337	11.414	VV	845	18629	0.35%	0.085%
199	11.419	11.414	11.436	VV	202	1453	0.03%	0.007%
200	11.458	11.436	11.477	PV	488	6940	0.13%	0.032%
201	11.502	11.477	11.516	VV	639	8393	0.16%	0.038%
202	11.528	11.516	11.532	VV	334	2047	0.04%	0.009%
203	11.547	11.532	11.567	VV	476	6266	0.12%	0.029%
204	11.626	11.579	11.673	VV	425042	4531950	84.45%	20.715%
205	11.689	11.673	11.703	VV	1411	17751	0.33%	0.081%
206	11.719	11.703	11.737	VV	962	13325	0.25%	0.061%
207	11.773	11.737	11.794	VV	1141	24872	0.46%	0.114%
208	11.805	11.794	11.819	VV	739	9439	0.18%	0.043%
209	11.835	11.819	11.862	VV	966	15290	0.28%	0.070%
210	11.865	11.862	11.877	VV	318	2390	0.04%	0.011%
211	11.898	11.883	11.915	VV	450	6059	0.11%	0.028%
212	11.966	11.915	11.986	VV	892	24572	0.46%	0.112%
213	12.022	11.986	12.046	VV	5919	74734	1.39%	0.342%
214	12.067	12.046	12.095	VV	1007	17464	0.33%	0.080%
215	12.125	12.095	12.167	VV	1920	35861	0.67%	0.164%
216	12.211	12.167	12.261	VV	21155	266720	4.97%	1.219%
217	12.267	12.261	12.286	VV	676	8655	0.16%	0.040%
218	12.302	12.286	12.315	VV	568	8091	0.15%	0.037%
219	12.328	12.315	12.332	VV	684	5428	0.10%	0.025%
220	12.345	12.332	12.370	VV	644	12911	0.24%	0.059%
221	12.380	12.370	12.417	VV	608	12039	0.22%	0.055%
222	12.474	12.417	12.526	VV	2443	53863	1.00%	0.246%
223	12.551	12.526	12.587	VV	1427	24185	0.45%	0.111%
224	12.611	12.587	12.642	VV	1689	24869	0.46%	0.114%
225	12.668	12.642	12.716	VV	10452	135577	2.53%	0.620%
226	12.734	12.716	12.754	VV	604	7618	0.14%	0.035%
227	12.764	12.754	12.792	VV	192	3196	0.06%	0.015%
228	12.815	12.792	12.832	VV	443	6219	0.12%	0.028%
229	12.835	12.832	12.841	VV	390	1452	0.03%	0.007%
230	12.856	12.841	12.862	VV	640	4736	0.09%	0.022%
231	12.869	12.862	12.879	VV	539	4633	0.09%	0.021%
232	12.887	12.879	12.916	VV	552	8688	0.16%	0.040%
233	12.922	12.916	12.943	VV	377	4655	0.09%	0.021%
234	12.965	12.943	12.991	VV	8705	97697	1.82%	0.447%
235	13.009	12.991	13.027	VV	1254	20183	0.38%	0.092%
236	13.054	13.027	13.084	VV	110123	1282717	23.90%	5.863%
237	13.109	13.084	13.125	VV	661	10043	0.19%	0.046%
238	13.139	13.125	13.160	VV	648	7407	0.14%	0.034%
239	13.168	13.160	13.173	VV	234	1346	0.03%	0.006%
240	13.186	13.173	13.199	VV	357	3429	0.06%	0.016%
241	13.232	13.199	13.254	VV	3856	57344	1.07%	0.262%
242	13.274	13.254	13.327	VV	3729	74781	1.39%	0.342%
243	13.340	13.327	13.350	VV	794	9216	0.17%	0.042%
244	13.363	13.350	13.389	VV	924	11645	0.22%	0.053%
245	13.397	13.389	13.404	VV	458	3010	0.06%	0.014%
246	13.441	13.404	13.499	VV	11340	170734	3.18%	0.780%

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247	13.502	13.499	13.506	VV	692	2808	0.05%	0.013%
248	13.552	13.506	13.583	VV	1756	35505	0.66%	0.162%
249	13.595	13.583	13.604	VV	440	3172	0.06%	0.015%
250	13.621	13.604	13.638	VV	578	9034	0.17%	0.041%
251	13.665	13.638	13.688	VV	1245	24462	0.46%	0.112%
252	13.697	13.688	13.723	VV	979	12969	0.24%	0.059%
253	13.756	13.723	13.775	VV	1637	25213	0.47%	0.115%
254	13.802	13.775	13.819	VV	1418	22082	0.41%	0.101%
255	13.831	13.819	13.855	VV	1123	15623	0.29%	0.071%
256	13.870	13.855	13.891	VV	800	9992	0.19%	0.046%
257	13.907	13.891	13.922	VV	340	3772	0.07%	0.017%
258	13.930	13.922	13.939	VV	351	1906	0.04%	0.009%
259	13.943	13.939	13.957	VV	202	1327	0.02%	0.006%
260	13.975	13.957	13.982	PV	226	1163	0.02%	0.005%
261	14.004	13.982	14.012	VV	292	2623	0.05%	0.012%
262	14.023	14.012	14.028	VV	265	1546	0.03%	0.007%
263	14.044	14.039	14.054	VV	217	1363	0.03%	0.006%
264	14.066	14.062	14.099	VV	258	4157	0.08%	0.019%
265	14.105	14.099	14.129	VV	188	1989	0.04%	0.009%
266	14.137	14.129	14.149	VV	398	2272	0.04%	0.010%
267	14.196	14.161	14.219	PV	609	8901	0.17%	0.041%
268	14.239	14.219	14.267	VV	1640	26299	0.49%	0.120%
269	14.282	14.267	14.317	VV	1251	18421	0.34%	0.084%
270	14.360	14.317	14.399	VV	717	15624	0.29%	0.071%
271	14.408	14.399	14.416	VV	215	1287	0.02%	0.006%
272	14.464	14.416	14.480	VV	1205	21108	0.39%	0.096%
273	14.484	14.480	14.490	VV	340	1925	0.04%	0.009%
274	14.500	14.490	14.510	VV	548	4988	0.09%	0.023%
275	14.528	14.510	14.562	VV	1848	25889	0.48%	0.118%
276	14.587	14.562	14.610	VV	868	12733	0.24%	0.058%
277	14.623	14.610	14.649	VV	447	5011	0.09%	0.023%
278	14.662	14.649	14.666	VV	387	2916	0.05%	0.013%
279	14.695	14.666	14.700	VV	687	10010	0.19%	0.046%
280	14.706	14.700	14.711	VV	649	3716	0.07%	0.017%
281	14.714	14.711	14.733	VV	550	6309	0.12%	0.029%
282	14.753	14.733	14.778	VV	500	9236	0.17%	0.042%
283	14.785	14.778	14.809	VV	351	5152	0.10%	0.024%
284	14.835	14.809	14.854	VV	4920	62035	1.16%	0.284%
285	14.876	14.854	14.897	VV	6463	85342	1.59%	0.390%
286	14.902	14.897	14.932	VV	1544	18985	0.35%	0.087%
287	14.947	14.932	14.972	VV	751	10581	0.20%	0.048%
288	14.999	14.972	15.018	VV	1017	15007	0.28%	0.069%
289	15.031	15.018	15.057	VV	387	5249	0.10%	0.024%
290	15.075	15.057	15.118	VV	735	13684	0.25%	0.063%
291	15.135	15.118	15.154	VV	637	9619	0.18%	0.044%
292	15.172	15.154	15.190	VV	577	9406	0.18%	0.043%
293	15.198	15.190	15.203	VV	387	2440	0.05%	0.011%
294	15.210	15.203	15.229	VV	514	3804	0.07%	0.017%
295	15.236	15.229	15.249	PV	188	1317	0.02%	0.006%
296	15.280	15.249	15.345	VV	11904	169003	3.15%	0.772%
297	15.353	15.345	15.356	VV	444	2292	0.04%	0.010%
298	15.369	15.356	15.375	VV	479	4371	0.08%	0.020%
299	15.384	15.375	15.389	VV	489	3328	0.06%	0.015%

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300	15.392	15.389	15.405	VV	422	3260	0.06%	0.015%
301	15.442	15.405	15.465	VV	2446	44064	0.82%	0.201%
302	15.480	15.465	15.492	VV	709	9836	0.18%	0.045%
303	15.510	15.492	15.526	VV	1159	15613	0.29%	0.071%
304	15.548	15.526	15.566	VV	1020	15677	0.29%	0.072%
305	15.586	15.566	15.604	VV	529	9752	0.18%	0.045%
306	15.611	15.604	15.620	VV	456	3300	0.06%	0.015%
307	15.639	15.620	15.659	VV	881	16365	0.30%	0.075%
308	15.669	15.659	15.720	VV	980	19513	0.36%	0.089%
309	15.727	15.720	15.732	VV	281	1384	0.03%	0.006%
310	15.754	15.732	15.763	VV	584	7568	0.14%	0.035%
311	15.789	15.763	15.821	VV	905	19168	0.36%	0.088%
312	15.830	15.821	15.859	VV	517	6711	0.13%	0.031%
313	15.885	15.859	15.897	VV	519	7478	0.14%	0.034%
314	15.922	15.897	15.950	VV	1489	22095	0.41%	0.101%
315	15.984	15.958	16.019	VV	1372	20900	0.39%	0.096%
316	16.034	16.019	16.050	VV	287	3106	0.06%	0.014%
317	16.064	16.050	16.076	VV	375	3858	0.07%	0.018%
318	16.086	16.076	16.093	VV	315	2574	0.05%	0.012%
319	16.116	16.093	16.134	VV	572	8072	0.15%	0.037%
320	16.140	16.134	16.165	VV	277	2818	0.05%	0.013%
321	16.175	16.165	16.189	PV	220	1247	0.02%	0.006%
322	16.224	16.198	16.236	VV	336	4389	0.08%	0.020%
323	16.289	16.236	16.347	VV	6455	99365	1.85%	0.454%
324	16.388	16.347	16.407	VV	6429	95196	1.77%	0.435%
325	16.413	16.407	16.454	VV	3093	36201	0.67%	0.165%
326	16.477	16.454	16.500	VV	876	15244	0.28%	0.070%
327	16.522	16.500	16.562	VV	1348	26891	0.50%	0.123%
328	16.575	16.562	16.599	VV	493	5589	0.10%	0.026%
329	16.627	16.599	16.660	VV	530	13094	0.24%	0.060%
330	16.708	16.660	16.734	VV	3699	55041	1.03%	0.252%
331	16.765	16.734	16.806	VV	5313	73645	1.37%	0.337%
332	16.837	16.806	16.849	VV	764	12158	0.23%	0.056%
333	16.868	16.849	16.894	VV	2403	35618	0.66%	0.163%
334	16.919	16.894	16.930	VV	1824	24222	0.45%	0.111%
335	16.947	16.930	16.977	VV	2828	41610	0.78%	0.190%
336	16.980	16.977	16.987	VV	355	1515	0.03%	0.007%
337	16.999	16.987	17.032	VV	412	9186	0.17%	0.042%
338	17.035	17.032	17.047	VV	306	2260	0.04%	0.010%
339	17.048	17.047	17.061	VV	262	1132	0.02%	0.005%
340	17.068	17.061	17.090	VV	171	2347	0.04%	0.011%
341	17.128	17.090	17.134	PV	603	7713	0.14%	0.035%
342	17.143	17.134	17.199	VV	683	12544	0.23%	0.057%
343	17.229	17.199	17.286	VV	10421	157946	2.94%	0.722%
344	17.318	17.286	17.365	VV	3348	62213	1.16%	0.284%
345	17.402	17.365	17.417	VV	881	19113	0.36%	0.087%
346	17.421	17.417	17.460	VV	826	12290	0.23%	0.056%
347	17.466	17.460	17.475	VV	410	2934	0.05%	0.013%
348	17.490	17.475	17.499	VV	493	6347	0.12%	0.029%
349	17.505	17.499	17.520	VV	476	5174	0.10%	0.024%
350	17.538	17.520	17.577	VV	795	15662	0.29%	0.072%
351	17.599	17.577	17.602	VV	375	3887	0.07%	0.018%

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352	17.608	17.602	17.621	VV	370	3020	0.06%	0.014%
353	17.629	17.621	17.650	VV	302	2319	0.04%	0.011%
354	17.677	17.650	17.710	PV	1456	27494	0.51%	0.126%
355	17.754	17.710	17.780	VV	2661	52914	0.99%	0.242%
356	17.844	17.780	17.880	VV	4711	100118	1.87%	0.458%
357	17.896	17.880	17.908	VV	671	9244	0.17%	0.042%
358	17.918	17.908	17.930	VV	577	6494	0.12%	0.030%
359	17.936	17.930	17.950	VV	461	4156	0.08%	0.019%
360	17.970	17.950	17.996	VV	1353	23833	0.44%	0.109%
361	18.013	17.996	18.025	VV	1033	13820	0.26%	0.063%
362	18.040	18.025	18.057	VV	1361	20163	0.38%	0.092%
363	18.107	18.057	18.152	VV	22099	388419	7.24%	1.775%
364	18.174	18.152	18.222	VV	6579	114579	2.14%	0.524%
365	18.240	18.222	18.246	VV	892	10246	0.19%	0.047%
366	18.267	18.246	18.340	VV	2007	56452	1.05%	0.258%
367	18.380	18.356	18.408	VV	3827	48393	0.90%	0.221%
368	18.430	18.408	18.454	VV	352	6242	0.12%	0.029%
369	18.461	18.454	18.464	VV	439	1489	0.03%	0.007%
370	18.467	18.464	18.485	VV	335	1662	0.03%	0.008%

Sum of corrected areas: 21877605

Aromatic EPH 081125.M Mon Aug 25 03:53:51 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	1-FLOOR-DRILL-B-BACK	SDG No.:	Q2892
Lab Sample ID:	Q2892-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
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
08/21/25 11:00	08/25/25 12:29	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.18	J	1	0.16	1.11	mg/kg	FC069721.D
Aliphatic C12-C16	Aliphatic C12-C16	0.33	J	1	0.12	0.74	mg/kg	FC069721.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	J	1	0.14	1.11	mg/kg	FC069721.D
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	1	0.59	1.49	mg/kg	FC069721.D
Aliphatic C28-C40	Aliphatic C28-C40	2.58		1	1.31	2.23	mg/kg	FC069721.D
Aromatic C10-C12	Aromatic C10-C12	0.28	J	1	0.13	0.74	mg/kg	FD049657.D
Aromatic C12-C16	Aromatic C12-C16	0.39	J	1	0.26	1.11	mg/kg	FD049657.D
Aromatic C16-C21	Aromatic C16-C21	2.41		1	0.45	1.86	mg/kg	FD049657.D
Aromatic C21-C36	Aromatic C21-C36	2.49	J	1	1.33	2.97	mg/kg	FD049657.D
Total AliphaticEPH	Total AliphaticEPH	3.38	J		2.32	6.68	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.58	J		2.17	6.68	mg/kg	
Total EPH	Total EPH	8.95	J		4.49	13.4	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	1-FLOOR-DRILL-B-BACK		SDG No.:	Q2892	
Lab Sample ID:	Q2892-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.6	
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
FC069721.D	1	08/21/25	08/25/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.18	J	0.16	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.33	J	0.12	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.30	J	0.14	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	0.59	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.58		1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2892-03	Acq On:	25 Aug 2025 12:29
Client Sample ID:	1-FLOOR-DRILL-B-BACK	Operator:	YP/AJ
Data file:	FC069721.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	342532	2.368	300	ug/ml
Aliphatic C12-C16	6.595	9.997	627342	4.374	200	ug/ml
Aliphatic C16-C21	9.998	13.365	534710	4.003	300	ug/ml
Aliphatic C21-C28	13.366	17.031	663746	5.61	400	ug/ml
Aliphatic C28-C40	17.032	22.006	3308495	34.711	600	ug/ml
Aliphatic EPH	3.297	22.006	5476825	51.066		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3563570	32.69		ug/ml
Aliphatic C9-C28	3.297	17.031	2168330	16.355	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069721.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 12:29
Operator : YP/AJ
Sample : Q2892-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
1-FLOOR-DRILL-B-BACK

Integration File: sample.E
Quant Time: Aug 26 02:10:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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...	13.100	3563570	32.686 ug/ml
Spiked Amount 50.000		Recovery =	65.37%

Target Compounds

(f)=RT Delta > 1/2 Window

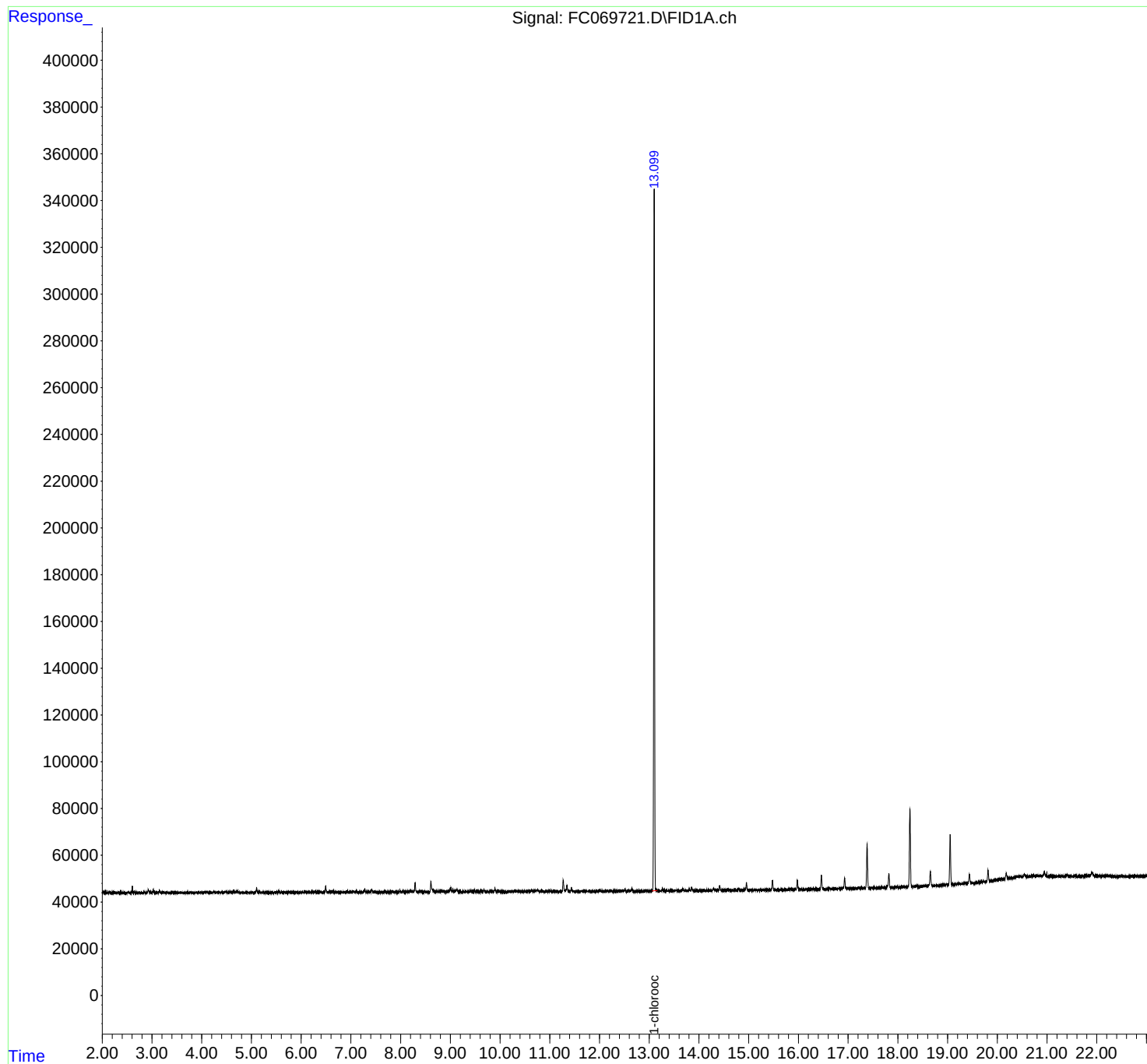
(m)=manual int.

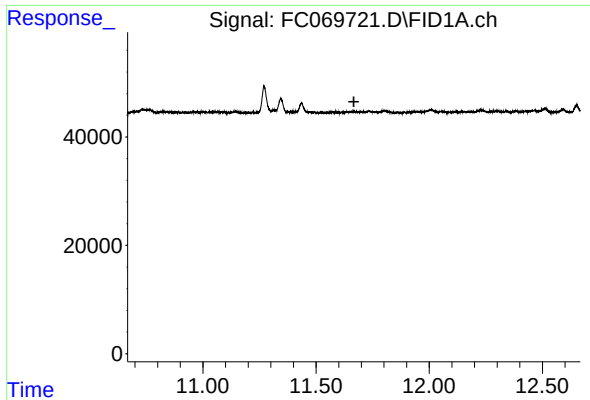
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069721.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 12:29
Operator : YP/AJ
Sample : Q2892-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
1-FLOOR-DRILL-B-BACK

Integration File: sample.E
Quant Time: Aug 26 02:10:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

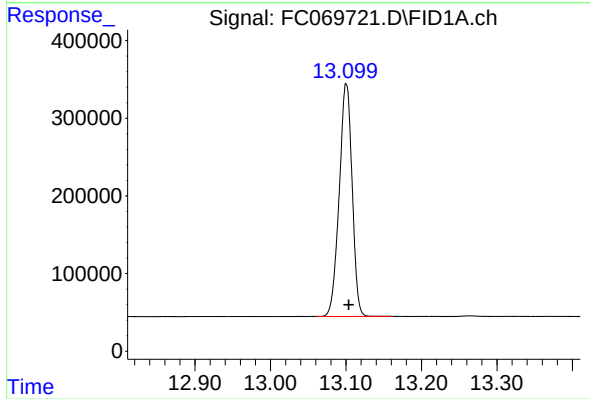




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
1-FLOOR-DRILL-B-BACK



#12 1-chlorooctadecane (SURR)

R.T.: 13.100 min
Delta R.T.: -0.003 min
Response: 3563570
Conc: 32.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069721.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 12:29
 Sample : Q2892-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.205	3.241	BV	70	592	0.02%	0.007%
2	3.250	3.241	3.265	VV	80	569	0.02%	0.006%
3	3.271	3.265	3.290	VV	94	988	0.03%	0.011%
4	3.311	3.290	3.328	PV	117	1597	0.04%	0.018%
5	3.398	3.328	3.433	VV	438	7348	0.20%	0.081%
6	3.449	3.433	3.471	VV	98	1568	0.04%	0.017%
7	3.493	3.471	3.514	VV	138	2452	0.07%	0.027%
8	3.533	3.514	3.560	VV	106	2421	0.07%	0.027%
9	3.568	3.560	3.580	VV	90	723	0.02%	0.008%
10	3.594	3.580	3.616	PV	166	2002	0.06%	0.022%
11	3.625	3.616	3.635	VV	129	823	0.02%	0.009%
12	3.639	3.635	3.658	VV	146	1472	0.04%	0.016%
13	3.672	3.658	3.684	VV	191	2061	0.06%	0.023%
14	3.702	3.684	3.711	VV	265	2725	0.08%	0.030%
15	3.727	3.711	3.758	VV	254	3882	0.11%	0.043%
16	3.772	3.758	3.805	VV	253	3174	0.09%	0.035%
17	3.809	3.805	3.835	VV	135	1758	0.05%	0.019%
18	3.845	3.835	3.859	VV	129	1273	0.04%	0.014%
19	3.897	3.859	3.938	VV	214	5206	0.15%	0.057%
20	3.945	3.938	3.964	VV	110	1393	0.04%	0.015%
21	3.978	3.964	4.031	VV	236	4564	0.13%	0.050%
22	4.069	4.031	4.083	VV	379	5890	0.16%	0.065%
23	4.096	4.083	4.155	VV	575	9891	0.28%	0.109%
24	4.163	4.155	4.195	VV	210	3035	0.08%	0.033%
25	4.209	4.195	4.225	VV	178	2554	0.07%	0.028%
26	4.241	4.225	4.268	VV	516	9019	0.25%	0.099%
27	4.276	4.268	4.305	VV	174	3215	0.09%	0.035%
28	4.321	4.305	4.378	VV	176	5906	0.16%	0.065%
29	4.395	4.378	4.404	VV	189	2715	0.08%	0.030%
30	4.414	4.404	4.426	VV	202	2401	0.07%	0.026%
31	4.470	4.426	4.508	VV	710	13987	0.39%	0.154%
32	4.520	4.508	4.543	VV	231	4123	0.11%	0.045%
33	4.556	4.543	4.606	VV	310	8736	0.24%	0.096%
34	4.639	4.606	4.659	VV	612	9509	0.27%	0.105%
35	4.694	4.659	4.708	VV	485	7858	0.22%	0.087%
36	4.724	4.708	4.744	VV	888	9312	0.26%	0.103%

					rteres			
37	4.754	4.744	4.771	VV	147	2057	0.06%	0.023%
38	4.785	4.771	4.815	VV	108	2375	0.07%	0.026%
39	4.825	4.815	4.832	VV	113	818	0.02%	0.009%
40	4.855	4.832	4.868	VV	150	2230	0.06%	0.025%
41	4.883	4.868	4.901	VV	104	1447	0.04%	0.016%
42	4.909	4.901	4.998	VV	119	3663	0.10%	0.040%
43	5.029	4.998	5.062	VV	160	3501	0.10%	0.039%
44	5.104	5.062	5.135	VV	2141	27303	0.76%	0.301%
45	5.161	5.135	5.201	VV	515	7641	0.21%	0.084%
46	5.210	5.201	5.254	VV	131	2512	0.07%	0.028%
47	5.263	5.254	5.287	PV	79	1212	0.03%	0.013%
48	5.298	5.287	5.317	VV	142	1688	0.05%	0.019%
49	5.332	5.317	5.368	VV	121	2555	0.07%	0.028%
50	5.477	5.368	5.495	VV	147	6546	0.18%	0.072%
51	5.509	5.495	5.535	VV	556	6634	0.18%	0.073%
52	5.550	5.535	5.575	VV	813	8810	0.25%	0.097%
53	5.584	5.575	5.592	VV	169	828	0.02%	0.009%
54	5.607	5.592	5.651	VV	238	3610	0.10%	0.040%
55	5.697	5.651	5.720	VV	187	3880	0.11%	0.043%
56	5.749	5.720	5.770	VV	134	2120	0.06%	0.023%
57	5.807	5.770	5.837	VV	175	4645	0.13%	0.051%
58	5.857	5.837	5.871	VV	163	2049	0.06%	0.023%
59	5.885	5.871	5.909	VV	87	1408	0.04%	0.016%
60	5.929	5.909	5.947	VV	176	2682	0.07%	0.030%
61	5.964	5.947	6.034	VV	195	5159	0.14%	0.057%
62	6.042	6.034	6.048	VV	155	1004	0.03%	0.011%
63	6.069	6.048	6.087	VV	339	5147	0.14%	0.057%
64	6.110	6.087	6.128	VV	296	4244	0.12%	0.047%
65	6.150	6.128	6.179	VV	430	6617	0.18%	0.073%
66	6.210	6.179	6.258	VV	316	9413	0.26%	0.104%
67	6.288	6.258	6.298	VV	239	4171	0.12%	0.046%
68	6.305	6.298	6.337	VV	186	3379	0.09%	0.037%
69	6.380	6.337	6.437	VV	229	10184	0.28%	0.112%
70	6.493	6.437	6.561	VV	2844	40506	1.13%	0.446%
71	6.579	6.561	6.601	VV	426	5901	0.16%	0.065%
72	6.610	6.601	6.624	VV	272	2840	0.08%	0.031%
73	6.643	6.624	6.661	VV	574	7473	0.21%	0.082%
74	6.678	6.661	6.698	VV	261	3564	0.10%	0.039%
75	6.717	6.698	6.776	VV	324	5165	0.14%	0.057%
76	6.787	6.776	6.795	VV	86	713	0.02%	0.008%
77	6.811	6.795	6.835	VV	97	1579	0.04%	0.017%
78	6.841	6.835	6.916	VV	134	4205	0.12%	0.046%
79	6.936	6.916	6.970	VV	375	5622	0.16%	0.062%
80	6.990	6.970	7.009	VV	422	6045	0.17%	0.067%
81	7.040	7.009	7.088	VV	395	11439	0.32%	0.126%
82	7.116	7.088	7.170	VV	615	12195	0.34%	0.134%
83	7.196	7.170	7.215	VV	243	4236	0.12%	0.047%
84	7.222	7.215	7.241	VV	268	2486	0.07%	0.027%
85	7.279	7.241	7.307	VV	1428	18626	0.52%	0.205%
86	7.350	7.307	7.367	VV	220	5925	0.17%	0.065%
87	7.419	7.367	7.462	VV	1398	23055	0.64%	0.254%
88	7.484	7.462	7.498	VV	244	4144	0.12%	0.046%
89	7.511	7.498	7.545	VV	359	4304	0.12%	0.047%

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90	7.561	7.545	7.579	VV	90	1387	0.04%	0.015%
91	7.590	7.579	7.613	VV	78	1096	0.03%	0.012%
92	7.623	7.613	7.660	VV	117	1901	0.05%	0.021%
93	7.682	7.660	7.731	VV	567	8266	0.23%	0.091%
94	7.766	7.731	7.806	VV	163	5924	0.17%	0.065%
95	7.834	7.806	7.863	VV	196	4366	0.12%	0.048%
96	7.875	7.863	7.888	VV	173	1544	0.04%	0.017%
97	7.899	7.888	7.925	VV	122	1356	0.04%	0.015%
98	7.943	7.925	7.962	VV	189	1825	0.05%	0.020%
99	7.986	7.962	8.011	VV	752	8905	0.25%	0.098%
100	8.043	8.011	8.101	VV	573	12415	0.35%	0.137%
101	8.111	8.101	8.125	VV	217	2717	0.08%	0.030%
102	8.144	8.125	8.165	VV	249	5253	0.15%	0.058%
103	8.198	8.165	8.219	VV	844	13466	0.38%	0.148%
104	8.229	8.219	8.264	VV	354	7591	0.21%	0.084%
105	8.291	8.264	8.366	VV	4144	56531	1.58%	0.623%
106	8.389	8.366	8.430	VV	434	11321	0.32%	0.125%
107	8.440	8.430	8.466	VV	259	3777	0.11%	0.042%
108	8.485	8.466	8.508	VV	240	3707	0.10%	0.041%
109	8.526	8.508	8.558	VV	279	4632	0.13%	0.051%
110	8.569	8.558	8.577	VV	109	893	0.02%	0.010%
111	8.609	8.577	8.691	VV	4598	84718	2.36%	0.933%
112	8.704	8.691	8.725	VV	430	6227	0.17%	0.069%
113	8.752	8.725	8.767	VV	417	8219	0.23%	0.091%
114	8.783	8.767	8.808	VV	463	8545	0.24%	0.094%
115	8.830	8.808	8.874	VV	672	15729	0.44%	0.173%
116	8.896	8.874	8.918	VV	408	4784	0.13%	0.053%
117	8.949	8.918	8.962	PV	388	6479	0.18%	0.071%
118	9.011	8.962	9.034	VV	1765	38521	1.07%	0.424%
119	9.051	9.034	9.066	VV	703	10023	0.28%	0.110%
120	9.074	9.066	9.087	VV	529	5547	0.15%	0.061%
121	9.132	9.087	9.164	VV	1346	30527	0.85%	0.336%
122	9.174	9.164	9.185	VV	221	2327	0.06%	0.026%
123	9.204	9.185	9.229	VV	383	6063	0.17%	0.067%
124	9.252	9.229	9.285	VV	319	5526	0.15%	0.061%
125	9.303	9.285	9.328	VV	175	3015	0.08%	0.033%
126	9.339	9.328	9.385	VV	246	5970	0.17%	0.066%
127	9.417	9.385	9.438	VV	440	9050	0.25%	0.100%
128	9.450	9.438	9.462	VV	181	2068	0.06%	0.023%
129	9.484	9.462	9.520	VV	737	12934	0.36%	0.143%
130	9.536	9.520	9.561	VV	368	6367	0.18%	0.070%
131	9.577	9.561	9.600	VV	278	4291	0.12%	0.047%
132	9.624	9.600	9.648	VV	493	9227	0.26%	0.102%
133	9.675	9.648	9.715	VV	1146	15595	0.43%	0.172%
134	9.723	9.715	9.747	VV	149	2284	0.06%	0.025%
135	9.768	9.747	9.789	VV	174	3116	0.09%	0.034%
136	9.815	9.789	9.869	VV	430	8269	0.23%	0.091%
137	9.896	9.869	9.941	VV	1171	19262	0.54%	0.212%
138	9.987	9.941	10.027	VV	310	10170	0.28%	0.112%
139	10.040	10.027	10.056	VV	187	2289	0.06%	0.025%
140	10.067	10.056	10.095	VV	234	2292	0.06%	0.025%
141	10.115	10.095	10.125	VV	108	1415	0.04%	0.016%

					rteres			
142	10.172	10.125	10.191	VV	209	4980	0.14%	0.055%
143	10.218	10.191	10.231	VV	302	5064	0.14%	0.056%
144	10.242	10.231	10.261	VV	229	3577	0.10%	0.039%
145	10.288	10.261	10.308	VV	478	8915	0.25%	0.098%
146	10.330	10.308	10.347	VV	407	6124	0.17%	0.067%
147	10.378	10.347	10.414	VV	312	8521	0.24%	0.094%
148	10.424	10.414	10.474	VV	161	4282	0.12%	0.047%
149	10.501	10.474	10.511	VV	239	4289	0.12%	0.047%
150	10.534	10.511	10.550	VV	329	6085	0.17%	0.067%
151	10.567	10.550	10.603	VV	427	9564	0.27%	0.105%
152	10.638	10.603	10.678	VV	624	16137	0.45%	0.178%
153	10.733	10.678	10.751	VV	790	20230	0.56%	0.223%
154	10.763	10.751	10.796	VV	715	12232	0.34%	0.135%
155	10.823	10.796	10.901	VV	327	13537	0.38%	0.149%
156	10.910	10.901	10.935	VV	189	3197	0.09%	0.035%
157	10.959	10.935	10.986	VV	276	5947	0.17%	0.066%
158	11.001	10.986	11.028	VV	289	5181	0.14%	0.057%
159	11.065	11.028	11.117	VV	307	10875	0.30%	0.120%
160	11.144	11.117	11.178	VV	296	6057	0.17%	0.067%
161	11.271	11.178	11.302	VV	4954	75225	2.10%	0.829%
162	11.344	11.302	11.382	VV	2706	46487	1.30%	0.512%
163	11.390	11.382	11.400	VV	222	2329	0.06%	0.026%
164	11.435	11.400	11.541	VV	1839	32043	0.89%	0.353%
165	11.570	11.541	11.620	VV	165	4859	0.14%	0.054%
166	11.669	11.620	11.716	VV	238	11003	0.31%	0.121%
167	11.734	11.716	11.774	VV	361	7485	0.21%	0.082%
168	11.801	11.774	11.848	VV	447	9022	0.25%	0.099%
169	11.861	11.848	11.898	VV	114	2095	0.06%	0.023%
170	11.909	11.898	11.920	VV	189	1536	0.04%	0.017%
171	12.010	11.920	12.038	VV	609	18971	0.53%	0.209%
172	12.054	12.038	12.089	VV	239	5244	0.15%	0.058%
173	12.108	12.089	12.133	VV	249	4327	0.12%	0.048%
174	12.149	12.133	12.198	VV	233	6923	0.19%	0.076%
175	12.228	12.198	12.261	VV	514	11504	0.32%	0.127%
176	12.302	12.261	12.328	VV	333	8404	0.23%	0.093%
177	12.345	12.328	12.360	VV	312	4041	0.11%	0.045%
178	12.383	12.360	12.404	VV	322	5422	0.15%	0.060%
179	12.428	12.404	12.437	VV	276	3957	0.11%	0.044%
180	12.464	12.437	12.480	VV	407	7897	0.22%	0.087%
181	12.512	12.480	12.558	VV	778	15941	0.44%	0.176%
182	12.592	12.558	12.622	VV	662	10270	0.29%	0.113%
183	12.651	12.622	12.708	VV	1417	21574	0.60%	0.238%
184	12.717	12.708	12.748	VV	130	3142	0.09%	0.035%
185	12.770	12.748	12.835	VV	301	7150	0.20%	0.079%
186	12.867	12.848	12.882	VV	106	1352	0.04%	0.015%
187	12.932	12.882	12.945	PV	211	5443	0.15%	0.060%
188	12.976	12.945	12.997	VV	223	4659	0.13%	0.051%
189	13.027	12.997	13.048	VV	227	5368	0.15%	0.059%
190	13.100	13.048	13.191	VV	300610	3586574	100.00%	39.520%
191	13.208	13.191	13.231	VV	294	5418	0.15%	0.060%
192	13.264	13.231	13.301	VV	1006	18290	0.51%	0.202%
193	13.321	13.301	13.345	VV	344	6539	0.18%	0.072%
194	13.370	13.345	13.420	VV	254	9153	0.26%	0.101%

					rteres			
195	13.441	13.420	13.515	VV	655	17097	0.48%	0.188%
196	13.533	13.515	13.585	VV	344	10500	0.29%	0.116%
197	13.592	13.585	13.598	VV	169	1204	0.03%	0.013%
198	13.675	13.598	13.744	VV	1072	29762	0.83%	0.328%
199	13.759	13.744	13.772	VV	204	2887	0.08%	0.032%
200	13.803	13.772	13.827	VV	635	11864	0.33%	0.131%
201	13.852	13.827	13.899	VV	1590	25677	0.72%	0.283%
202	13.911	13.899	13.927	VV	166	2322	0.06%	0.026%
203	13.942	13.927	13.966	VV	205	3049	0.09%	0.034%
204	13.984	13.966	13.995	VV	184	2013	0.06%	0.022%
205	14.004	13.995	14.031	VV	86	1717	0.05%	0.019%
206	14.039	14.031	14.048	VV	97	964	0.03%	0.011%
207	14.088	14.048	14.108	VV	217	5848	0.16%	0.064%
208	14.116	14.108	14.142	VV	165	2786	0.08%	0.031%
209	14.154	14.142	14.167	VV	288	2211	0.06%	0.024%
210	14.183	14.167	14.201	VV	199	2508	0.07%	0.028%
211	14.234	14.201	14.257	VV	190	4951	0.14%	0.055%
212	14.291	14.257	14.371	VV	951	20802	0.58%	0.229%
213	14.416	14.371	14.471	VV	2187	34406	0.96%	0.379%
214	14.583	14.471	14.618	VV	477	17212	0.48%	0.190%
215	14.624	14.618	14.652	VV	175	2393	0.07%	0.026%
216	14.675	14.652	14.702	VV	194	4098	0.11%	0.045%
217	14.714	14.702	14.724	VV	177	2018	0.06%	0.022%
218	14.732	14.724	14.747	VV	214	2206	0.06%	0.024%
219	14.797	14.747	14.867	VV	747	17612	0.49%	0.194%
220	14.914	14.867	14.930	VV	476	8585	0.24%	0.095%
221	14.956	14.930	15.013	VV	3345	46743	1.30%	0.515%
222	15.017	15.013	15.041	VV	153	1340	0.04%	0.015%
223	15.058	15.041	15.075	VV	90	1127	0.03%	0.012%
224	15.126	15.075	15.194	VV	221	7233	0.20%	0.080%
225	15.206	15.194	15.235	VV	84	1313	0.04%	0.014%
226	15.240	15.235	15.261	VV	45	667	0.02%	0.007%
227	15.289	15.261	15.316	PV	129	2609	0.07%	0.029%
228	15.380	15.316	15.414	VV	232	6411	0.18%	0.071%
229	15.432	15.414	15.445	VV	155	2118	0.06%	0.023%
230	15.478	15.445	15.584	VV	4185	61488	1.71%	0.678%
231	15.615	15.584	15.641	VV	103	2501	0.07%	0.028%
232	15.662	15.641	15.671	VV	132	1392	0.04%	0.015%
233	15.682	15.671	15.704	VV	128	1345	0.04%	0.015%
234	15.800	15.704	15.824	VV	275	10031	0.28%	0.111%
235	15.851	15.824	15.878	VV	224	4977	0.14%	0.055%
236	15.905	15.878	15.915	VV	124	2295	0.06%	0.025%
237	15.942	15.915	15.951	VV	325	4026	0.11%	0.044%
238	15.979	15.951	16.048	VV	4183	58329	1.63%	0.643%
239	16.053	16.048	16.132	VV	117	1725	0.05%	0.019%
240	16.208	16.132	16.226	VV	545	4691	0.13%	0.052%
241	16.291	16.226	16.312	VV	230	6131	0.17%	0.068%
242	16.344	16.312	16.398	VV	176	4359	0.12%	0.048%
243	16.463	16.398	16.496	PV	6091	83912	2.34%	0.925%
244	16.507	16.496	16.548	VV	156	3017	0.08%	0.033%
245	16.551	16.548	16.585	VV	160	1553	0.04%	0.017%
246	16.595	16.585	16.604	VV	148	990	0.03%	0.011%

					rteres			
247	16.633	16.604	16.646	VV	181	3094	0.09%	0.034%
248	16.652	16.646	16.701	VV	148	3056	0.09%	0.034%
249	16.717	16.701	16.731	VV	129	1566	0.04%	0.017%
250	16.758	16.731	16.791	VV	220	5299	0.15%	0.058%
251	16.816	16.791	16.869	VV	303	7056	0.20%	0.078%
252	16.930	16.869	16.995	VV	4668	74709	2.08%	0.823%
253	16.999	16.995	17.017	VV	94	798	0.02%	0.009%
254	17.033	17.017	17.065	VV	140	2179	0.06%	0.024%
255	17.068	17.065	17.076	VV	138	502	0.01%	0.006%
256	17.085	17.076	17.131	VV	66	1462	0.04%	0.016%
257	17.145	17.131	17.187	VV	97	3440	0.10%	0.038%
258	17.219	17.187	17.245	VV	289	6557	0.18%	0.072%
259	17.268	17.245	17.291	VV	299	3916	0.11%	0.043%
260	17.323	17.291	17.338	PV	210	4356	0.12%	0.048%
261	17.382	17.338	17.437	VV	18935	258607	7.21%	2.850%
262	17.481	17.437	17.495	PV	199	4890	0.14%	0.054%
263	17.512	17.495	17.539	VV	209	4948	0.14%	0.055%
264	17.549	17.539	17.583	VV	174	3509	0.10%	0.039%
265	17.599	17.583	17.631	VV	216	3832	0.11%	0.042%
266	17.663	17.631	17.698	VV	296	7235	0.20%	0.080%
267	17.715	17.698	17.753	VV	232	4722	0.13%	0.052%
268	17.820	17.753	17.892	PV	6152	96012	2.68%	1.058%
269	17.916	17.892	17.921	VV	62	719	0.02%	0.008%
270	17.973	17.921	18.048	PV	331	12871	0.36%	0.142%
271	18.092	18.048	18.115	VV	453	7669	0.21%	0.085%
272	18.141	18.115	18.168	VV	356	6243	0.17%	0.069%
273	18.243	18.168	18.284	VV	33435	478324	13.34%	5.271%
274	18.344	18.284	18.362	VV	202	5394	0.15%	0.059%
275	18.378	18.362	18.419	VV	215	3903	0.11%	0.043%
276	18.425	18.419	18.438	VV	77	523	0.01%	0.006%
277	18.449	18.438	18.464	PV	104	882	0.02%	0.010%
278	18.510	18.464	18.531	VV	364	7161	0.20%	0.079%
279	18.553	18.531	18.598	VV	289	4656	0.13%	0.051%
280	18.653	18.598	18.705	PV	6160	100611	2.81%	1.109%
281	18.726	18.705	18.734	VV	98	1076	0.03%	0.012%
282	18.765	18.734	18.790	VV	168	2608	0.07%	0.029%
283	18.809	18.790	18.835	VV	143	2219	0.06%	0.024%
284	18.848	18.835	18.860	PV	67	531	0.01%	0.006%
285	18.911	18.860	18.937	VV	374	7957	0.22%	0.088%
286	18.980	18.937	19.001	VV	536	9692	0.27%	0.107%
287	19.052	19.001	19.119	VV	21661	303860	8.47%	3.348%
288	19.132	19.119	19.141	VV	133	1530	0.04%	0.017%
289	19.169	19.141	19.195	VV	287	6885	0.19%	0.076%
290	19.231	19.195	19.262	VV	415	11688	0.33%	0.129%
291	19.304	19.262	19.326	VV	426	11032	0.31%	0.122%
292	19.346	19.326	19.390	VV	489	11619	0.32%	0.128%
293	19.440	19.390	19.472	VV	4107	69288	1.93%	0.763%
294	19.491	19.472	19.521	VV	414	10616	0.30%	0.117%
295	19.528	19.521	19.535	VV	347	2404	0.07%	0.026%
296	19.543	19.535	19.547	VV	295	2084	0.06%	0.023%
297	19.639	19.547	19.648	VV	451	21853	0.61%	0.241%
298	19.679	19.648	19.702	VV	739	18835	0.53%	0.208%
299	19.729	19.702	19.758	VV	766	22281	0.62%	0.246%

					rteres			
300	19.814	19.758	19.850	VV	5422	98937	2.76%	1.090%
301	20.052	19.850	20.064	VV	1240	118461	3.30%	1.305%
302	20.094	20.064	20.117	VV	1279	37816	1.05%	0.417%
303	20.180	20.117	20.215	VV	3588	109785	3.06%	1.210%
304	20.228	20.215	20.282	VV	1632	62007	1.73%	0.683%
305	20.456	20.282	20.500	VV	2007	228200	6.36%	2.515%
306	20.544	20.500	20.608	VV	2782	129989	3.62%	1.432%
307	20.724	20.608	20.745	VV	2004	151608	4.23%	1.671%
308	20.771	20.745	20.808	VV	1917	69750	1.94%	0.769%
309	20.848	20.808	20.870	VV	1803	64636	1.80%	0.712%
310	20.881	20.870	20.903	VV	1680	32434	0.90%	0.357%
311	20.944	20.903	20.987	VV	3070	104934	2.93%	1.156%
312	20.997	20.987	21.015	VV	1969	25355	0.71%	0.279%
313	21.040	21.015	21.073	VV	1438	47531	1.33%	0.524%
314	21.104	21.073	21.178	VV	1379	80081	2.23%	0.882%
315	21.191	21.178	21.250	VV	1184	47892	1.34%	0.528%
316	21.297	21.250	21.318	VV	1099	42561	1.19%	0.469%
317	21.326	21.318	21.353	VV	1008	20054	0.56%	0.221%
318	21.400	21.353	21.457	VV	1336	64001	1.78%	0.705%
319	21.471	21.457	21.508	VV	864	23788	0.66%	0.262%
320	21.534	21.508	21.565	VV	784	24533	0.68%	0.270%
321	21.592	21.565	21.607	VV	727	17517	0.49%	0.193%
322	21.640	21.607	21.651	VV	661	16095	0.45%	0.177%
323	21.687	21.651	21.724	VV	613	25274	0.70%	0.278%
324	21.796	21.724	21.812	VV	569	27406	0.76%	0.302%
325	21.835	21.812	21.857	VV	506	12037	0.34%	0.133%
326	21.907	21.857	21.965	VV	1873	63614	1.77%	0.701%
327	21.974	21.965	21.993	VV	413	5471	0.15%	0.060%
328	22.006	21.993	22.019	VV	265	3547	0.10%	0.039%
329	22.035	22.019	22.055	VV	219	3990	0.11%	0.044%
330	22.074	22.055	22.084	VV	240	2969	0.08%	0.033%
331	22.092	22.084	22.134	VV	186	2770	0.08%	0.031%
Sum of corrected areas:							9075274	

Aliphatic EPH 080125.M Tue Aug 26 03:57:34 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	1-FLOOR-DRILL-B-BACK		SDG No.:	Q2892	
Lab Sample ID:	Q2892-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.6	
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
FD049657.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.28	J	0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.39	J	0.26	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.41		0.45	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.49	J	1.33	2.97	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.9		40 - 140	118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.5		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.7		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-03	Acq On:	23 Aug 2025 01:34
Client Sample ID:	1-FLOOR-DRILL-B-BACK	Operator:	YP/AJ
Data file:	FD049657.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	4.407	6.150	411495	3.812	200	ug/ml
Aromatic C12-C16	6.151	8.778	651901	5.275	300	ug/ml
Aromatic C16-C21	8.779	13.069	4105721	32.46	500	ug/ml
Aromatic C21-C36	13.070	18.489	3779811	33.563	800	ug/ml
Aromatic EPH	4.407	18.489	8948928	75.11		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	6034458	58.88		ug/ml
2-Fluorobiphenyl (SURR)	8.581	8.581	4270880	58.47		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	4629067	35.66		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049657.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 01:34
 Operator : YP/AJ
 Sample : Q2892-03
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 1-FLOOR-DRILL-B-BACK

Integration File: sample.E
 Quant Time: Aug 25 01:51:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.716	6034458	58.880 ug/ml
Spiked Amount 50.000		Recovery =	117.76%
6) S 2-Fluorobiphenyl (SURR)	8.581	4270880	58.469 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	116.94%
11) S ortho-Terphenyl (SURR)	11.626	4629067	35.664 ug/ml
Spiked Amount 50.000		Recovery =	71.33%

Target Compounds

(f)=RT Delta > 1/2 Window

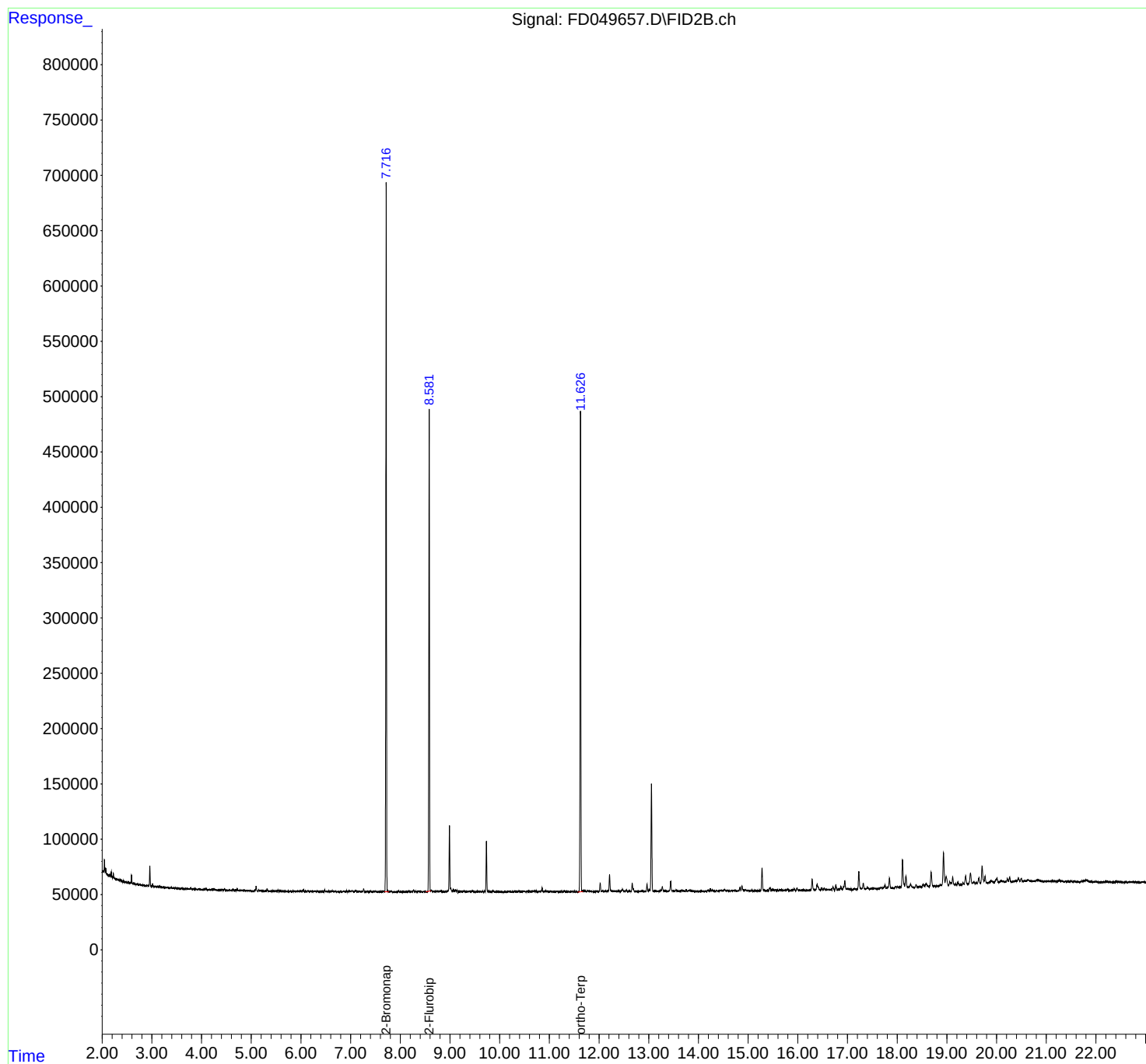
(m)=manual int.

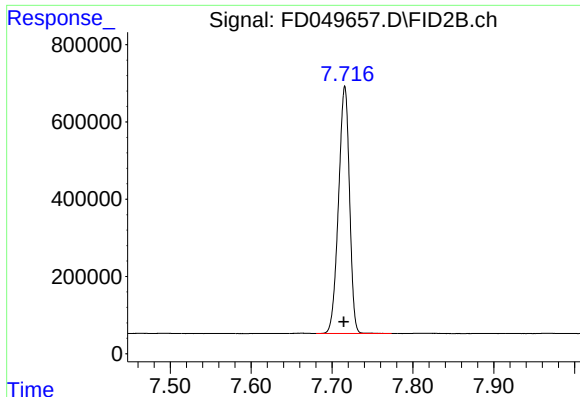
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049657.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 01:34
Operator : YP/AJ
Sample : Q2892-03
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
1-FLOOR-DRILL-B-BACK

Integration File: sample.E
Quant Time: Aug 25 01:51:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

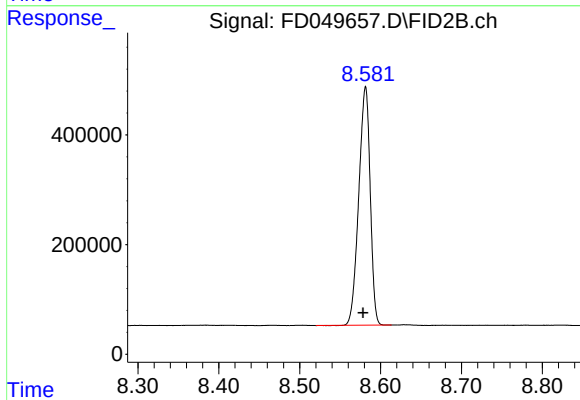




#4 2-Bromonaphthalene (SURRE)

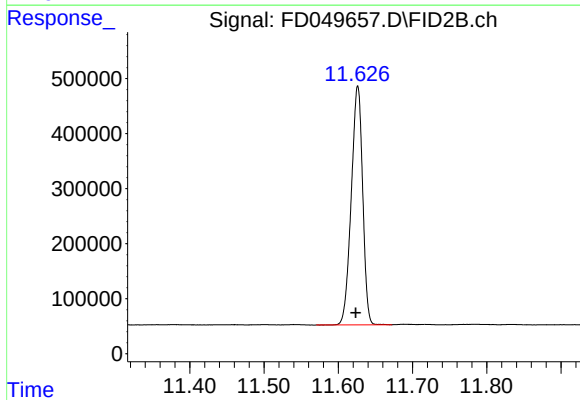
R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 6034458
Conc: 58.88 ug/ml

Instrument :
FID_D
ClientSampleId :
1-FLOOR-DRILL-B-BACK



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.581 min
Delta R.T.: 0.003 min
Response: 4270880
Conc: 58.47 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.626 min
Delta R.T.: 0.003 min
Response: 4629067
Conc: 35.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049657.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 01:34
Sample : Q2892-03
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.347	4.335	4.381	PV	294	4270	0.07%	0.018%
2	4.392	4.381	4.399	PV	236	1480	0.02%	0.006%
3	4.415	4.399	4.432	VV	629	7421	0.12%	0.031%
4	4.464	4.432	4.488	VV	1571	18245	0.30%	0.076%
5	4.501	4.488	4.523	VV	525	5192	0.09%	0.022%
6	4.540	4.523	4.545	VV	291	2360	0.04%	0.010%
7	4.550	4.545	4.568	VV	321	3134	0.05%	0.013%
8	4.577	4.568	4.594	VV	402	3694	0.06%	0.015%
9	4.605	4.594	4.619	VV	530	5602	0.09%	0.023%
10	4.632	4.619	4.653	VV	1693	16983	0.28%	0.071%
11	4.688	4.653	4.701	VV	1094	13270	0.22%	0.055%
12	4.717	4.701	4.736	VV	2186	20889	0.35%	0.087%
13	4.756	4.736	4.761	VV	385	3563	0.06%	0.015%
14	4.769	4.761	4.785	VV	529	5323	0.09%	0.022%
15	4.796	4.785	4.827	VV	788	10563	0.17%	0.044%
16	4.835	4.827	4.861	VV	481	6242	0.10%	0.026%
17	4.878	4.861	4.895	VV	299	4710	0.08%	0.020%
18	4.910	4.895	4.937	VV	468	6612	0.11%	0.028%
19	4.949	4.937	4.958	VV	216	1996	0.03%	0.008%
20	4.966	4.958	4.972	VV	291	1832	0.03%	0.008%
21	4.978	4.972	5.005	VV	492	3851	0.06%	0.016%
22	5.022	5.005	5.042	PV	313	2908	0.05%	0.012%
23	5.076	5.042	5.082	VV	823	9809	0.16%	0.041%
24	5.097	5.082	5.134	VV	4611	48359	0.80%	0.202%
25	5.156	5.134	5.175	VV	1029	11306	0.19%	0.047%
26	5.191	5.175	5.242	VV	557	12230	0.20%	0.051%
27	5.250	5.242	5.260	VV	278	1776	0.03%	0.007%
28	5.268	5.260	5.273	VV	325	1643	0.03%	0.007%
29	5.286	5.273	5.302	VV	374	4243	0.07%	0.018%
30	5.318	5.302	5.364	VV	2273	24820	0.41%	0.104%
31	5.386	5.377	5.391	VV	210	1458	0.02%	0.006%
32	5.397	5.391	5.410	VV	293	2430	0.04%	0.010%
33	5.414	5.410	5.424	VV	261	2065	0.03%	0.009%
34	5.426	5.424	5.438	VV	338	2252	0.04%	0.009%
35	5.447	5.438	5.454	VV	359	2497	0.04%	0.010%
36	5.457	5.454	5.464	VV	422	1710	0.03%	0.007%

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37	5.470	5.464	5.483	VV	380	2654	0.04%	0.011%
38	5.501	5.483	5.518	VV	770	8568	0.14%	0.036%
39	5.541	5.518	5.560	VV	1466	15339	0.25%	0.064%
40	5.577	5.560	5.582	VV	413	3452	0.06%	0.014%
41	5.586	5.582	5.620	VV	450	6058	0.10%	0.025%
42	5.635	5.620	5.641	VV	284	2319	0.04%	0.010%
43	5.648	5.641	5.672	VV	318	2769	0.05%	0.012%
44	5.689	5.672	5.714	VV	438	5494	0.09%	0.023%
45	5.733	5.714	5.740	VV	273	2679	0.04%	0.011%
46	5.745	5.740	5.769	VV	297	2544	0.04%	0.011%
47	5.792	5.769	5.809	VV	523	5176	0.09%	0.022%
48	5.844	5.809	5.855	PV	369	6206	0.10%	0.026%
49	5.858	5.855	5.869	VV	291	2026	0.03%	0.008%
50	5.887	5.869	5.897	VV	364	3841	0.06%	0.016%
51	5.908	5.897	5.916	VV	292	2568	0.04%	0.011%
52	5.953	5.922	5.969	VV	551	10551	0.17%	0.044%
53	5.988	5.969	6.015	VV	664	10155	0.17%	0.042%
54	6.050	6.015	6.072	VV	1787	24443	0.40%	0.102%
55	6.080	6.072	6.085	VV	421	2475	0.04%	0.010%
56	6.097	6.085	6.117	VV	550	6373	0.11%	0.027%
57	6.139	6.117	6.178	VV	975	14817	0.24%	0.062%
58	6.205	6.178	6.217	VV	667	10043	0.17%	0.042%
59	6.242	6.217	6.249	VV	323	3781	0.06%	0.016%
60	6.257	6.249	6.263	VV	473	3441	0.06%	0.014%
61	6.271	6.263	6.306	VV	522	8734	0.14%	0.036%
62	6.327	6.306	6.385	VV	678	12701	0.21%	0.053%
63	6.397	6.385	6.402	VV	289	2074	0.03%	0.009%
64	6.413	6.402	6.430	VV	287	3413	0.06%	0.014%
65	6.443	6.437	6.454	VV	343	1785	0.03%	0.007%
66	6.479	6.454	6.501	VV	1797	20472	0.34%	0.085%
67	6.510	6.501	6.517	VV	415	2674	0.04%	0.011%
68	6.519	6.517	6.534	VV	301	3079	0.05%	0.013%
69	6.538	6.534	6.550	VV	424	3192	0.05%	0.013%
70	6.563	6.550	6.582	VV	593	7008	0.12%	0.029%
71	6.598	6.582	6.611	VV	654	6329	0.10%	0.026%
72	6.628	6.611	6.648	VV	1317	14260	0.24%	0.060%
73	6.663	6.648	6.686	VV	484	6466	0.11%	0.027%
74	6.702	6.686	6.722	VV	785	8178	0.14%	0.034%
75	6.737	6.722	6.744	PV	311	2815	0.05%	0.012%
76	6.758	6.744	6.784	VV	357	4389	0.07%	0.018%
77	6.803	6.784	6.825	VV	530	7553	0.12%	0.032%
78	6.854	6.825	6.895	VV	527	13580	0.22%	0.057%
79	6.918	6.895	6.936	VV	837	12454	0.21%	0.052%
80	6.944	6.936	6.954	VV	381	3138	0.05%	0.013%
81	6.974	6.954	6.997	VV	1022	17585	0.29%	0.073%
82	7.004	6.997	7.010	VV	608	4302	0.07%	0.018%
83	7.024	7.010	7.030	VV	1045	10223	0.17%	0.043%
84	7.035	7.030	7.056	VV	997	11001	0.18%	0.046%
85	7.064	7.056	7.074	VV	440	3694	0.06%	0.015%
86	7.101	7.074	7.147	VV	1736	29980	0.50%	0.125%
87	7.154	7.147	7.164	VV	483	3547	0.06%	0.015%
88	7.181	7.164	7.194	VV	498	6304	0.10%	0.026%
89	7.209	7.194	7.222	VV	578	6045	0.10%	0.025%

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90	7.234	7.222	7.245	VV	468	5190	0.09%	0.022%
91	7.263	7.245	7.305	VV	2901	35626	0.59%	0.149%
92	7.322	7.305	7.335	VV	643	7609	0.13%	0.032%
93	7.346	7.335	7.360	VV	575	6091	0.10%	0.025%
94	7.370	7.360	7.385	VV	647	6750	0.11%	0.028%
95	7.400	7.385	7.426	VV	1177	14566	0.24%	0.061%
96	7.442	7.426	7.450	VV	399	4874	0.08%	0.020%
97	7.465	7.450	7.478	VV	606	8387	0.14%	0.035%
98	7.492	7.478	7.529	VV	752	14022	0.23%	0.059%
99	7.536	7.529	7.542	VV	304	1872	0.03%	0.008%
100	7.562	7.542	7.595	VV	474	8016	0.13%	0.033%
101	7.611	7.595	7.622	PV	453	5117	0.08%	0.021%
102	7.633	7.622	7.642	VV	417	4229	0.07%	0.018%
103	7.645	7.642	7.648	VV	448	1455	0.02%	0.006%
104	7.663	7.648	7.680	VV	1081	13073	0.22%	0.055%
105	7.716	7.680	7.787	VV	639911	6053433	100.00%	25.263%
106	7.810	7.787	7.852	VV	823	19616	0.32%	0.082%
107	7.878	7.862	7.892	VV	427	4469	0.07%	0.019%
108	7.898	7.892	7.906	VV	303	1985	0.03%	0.008%
109	7.918	7.906	7.949	VV	482	7519	0.12%	0.031%
110	7.967	7.949	8.004	VV	866	14525	0.24%	0.061%
111	8.009	8.004	8.013	VV	300	1426	0.02%	0.006%
112	8.022	8.013	8.041	VV	418	5243	0.09%	0.022%
113	8.054	8.041	8.060	VV	432	3239	0.05%	0.014%
114	8.063	8.060	8.079	VV	371	3356	0.06%	0.014%
115	8.096	8.079	8.101	VV	485	4577	0.08%	0.019%
116	8.110	8.101	8.117	VV	541	3936	0.07%	0.016%
117	8.120	8.117	8.132	VV	424	3531	0.06%	0.015%
118	8.140	8.132	8.155	VV	513	5948	0.10%	0.025%
119	8.175	8.155	8.212	VV	851	17186	0.28%	0.072%
120	8.216	8.212	8.222	VV	412	2163	0.04%	0.009%
121	8.226	8.222	8.236	VV	464	3608	0.06%	0.015%
122	8.269	8.236	8.290	VV	2280	30171	0.50%	0.126%
123	8.296	8.290	8.299	VV	459	1725	0.03%	0.007%
124	8.303	8.299	8.311	VV	454	2874	0.05%	0.012%
125	8.319	8.311	8.343	VV	386	6011	0.10%	0.025%
126	8.385	8.343	8.399	VV	776	19020	0.31%	0.079%
127	8.412	8.399	8.450	VV	602	11604	0.19%	0.048%
128	8.468	8.450	8.487	VV	592	8466	0.14%	0.035%
129	8.504	8.487	8.521	VV	733	9029	0.15%	0.038%
130	8.526	8.521	8.537	VV	360	2153	0.04%	0.009%
131	8.542	8.537	8.547	VV	301	1425	0.02%	0.006%
132	8.581	8.547	8.615	VV	436999	4308117	71.17%	17.979%
133	8.630	8.615	8.660	VV	1625	28234	0.47%	0.118%
134	8.666	8.660	8.668	VV	541	2373	0.04%	0.010%
135	8.680	8.668	8.688	VV	747	7773	0.13%	0.032%
136	8.694	8.688	8.720	VV	649	10493	0.17%	0.044%
137	8.733	8.720	8.740	VV	734	7728	0.13%	0.032%
138	8.756	8.740	8.765	VV	722	9378	0.15%	0.039%
139	8.780	8.765	8.793	VV	806	11548	0.19%	0.048%
140	8.825	8.793	8.847	VV	949	21329	0.35%	0.089%
141	8.850	8.847	8.855	VV	255	1256	0.02%	0.005%

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142	8.877	8.855	8.885	VV	589	7782	0.13%	0.032%
143	8.889	8.885	8.902	VV	540	4022	0.07%	0.017%
144	8.919	8.902	8.934	VV	763	9253	0.15%	0.039%
145	8.989	8.934	9.010	VV	60305	614798	10.16%	2.566%
146	9.016	9.010	9.054	VV	3599	48107	0.79%	0.201%
147	9.071	9.054	9.092	VV	2189	30910	0.51%	0.129%
148	9.109	9.092	9.129	VV	2015	30469	0.50%	0.127%
149	9.143	9.129	9.164	VV	1879	22494	0.37%	0.094%
150	9.183	9.164	9.207	VV	682	10630	0.18%	0.044%
151	9.232	9.207	9.244	VV	502	8048	0.13%	0.034%
152	9.275	9.244	9.300	VV	948	20298	0.34%	0.085%
153	9.320	9.300	9.331	VV	734	9997	0.17%	0.042%
154	9.337	9.331	9.347	VV	473	3575	0.06%	0.015%
155	9.372	9.347	9.425	VV	789	23795	0.39%	0.099%
156	9.454	9.425	9.486	VV	1190	24258	0.40%	0.101%
157	9.510	9.486	9.515	VV	406	4371	0.07%	0.018%
158	9.534	9.515	9.552	VV	647	10342	0.17%	0.043%
159	9.557	9.552	9.580	VV	625	6252	0.10%	0.026%
160	9.600	9.580	9.623	VV	643	11927	0.20%	0.050%
161	9.642	9.623	9.655	VV	616	8688	0.14%	0.036%
162	9.660	9.655	9.675	VV	646	4939	0.08%	0.021%
163	9.679	9.675	9.681	VV	339	1106	0.02%	0.005%
164	9.701	9.681	9.711	VV	742	10242	0.17%	0.043%
165	9.734	9.711	9.764	VV	46157	461693	7.63%	1.927%
166	9.784	9.764	9.794	VV	668	8982	0.15%	0.037%
167	9.799	9.794	9.822	VV	634	7824	0.13%	0.033%
168	9.827	9.822	9.839	VV	355	2912	0.05%	0.012%
169	9.867	9.839	9.892	VV	1168	19475	0.32%	0.081%
170	9.897	9.892	9.905	VV	248	1526	0.03%	0.006%
171	9.914	9.905	9.921	VV	209	1733	0.03%	0.007%
172	9.947	9.921	9.973	VV	572	11835	0.20%	0.049%
173	9.979	9.973	10.064	VV	587	16194	0.27%	0.068%
174	10.069	10.064	10.079	VV	297	2210	0.04%	0.009%
175	10.088	10.079	10.110	VV	358	4820	0.08%	0.020%
176	10.121	10.110	10.137	VV	364	2917	0.05%	0.012%
177	10.148	10.137	10.166	VV	474	4085	0.07%	0.017%
178	10.179	10.166	10.185	VV	439	3920	0.06%	0.016%
179	10.199	10.185	10.229	VV	612	10110	0.17%	0.042%
180	10.232	10.229	10.237	VV	272	1427	0.02%	0.006%
181	10.258	10.237	10.276	VV	560	9169	0.15%	0.038%
182	10.295	10.276	10.314	VV	653	11730	0.19%	0.049%
183	10.324	10.314	10.344	VV	547	8303	0.14%	0.035%
184	10.345	10.344	10.362	VV	582	4119	0.07%	0.017%
185	10.387	10.362	10.414	VV	1147	19319	0.32%	0.081%
186	10.422	10.414	10.434	VV	524	4189	0.07%	0.017%
187	10.446	10.434	10.450	VV	404	3433	0.06%	0.014%
188	10.486	10.450	10.496	VV	846	17026	0.28%	0.071%
189	10.502	10.496	10.525	VV	741	9178	0.15%	0.038%
190	10.556	10.525	10.570	VV	818	15196	0.25%	0.063%
191	10.585	10.570	10.622	VV	1086	22761	0.38%	0.095%
192	10.625	10.622	10.634	VV	496	3247	0.05%	0.014%
193	10.653	10.634	10.670	VV	962	14543	0.24%	0.061%
194	10.695	10.670	10.722	VV	1149	25820	0.43%	0.108%

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195	10.732	10.722	10.760	VV	1072	15009	0.25%	0.063%
196	10.769	10.760	10.776	VV	361	2517	0.04%	0.011%
197	10.791	10.776	10.812	VV	520	9514	0.16%	0.040%
198	10.825	10.812	10.836	VV	775	9724	0.16%	0.041%
199	10.855	10.836	10.878	VV	4098	47029	0.78%	0.196%
200	10.884	10.878	10.892	VV	534	3748	0.06%	0.016%
201	10.896	10.892	10.902	VV	513	2767	0.05%	0.012%
202	10.928	10.902	10.959	VV	1169	22879	0.38%	0.095%
203	10.974	10.959	10.984	VV	619	6467	0.11%	0.027%
204	10.989	10.984	11.003	VV	485	5298	0.09%	0.022%
205	11.031	11.003	11.074	VV	739	21440	0.35%	0.089%
206	11.077	11.074	11.088	VV	354	2618	0.04%	0.011%
207	11.098	11.088	11.127	VV	552	8550	0.14%	0.036%
208	11.138	11.127	11.152	VV	667	7870	0.13%	0.033%
209	11.160	11.152	11.179	VV	479	5655	0.09%	0.024%
210	11.183	11.179	11.189	VV	238	1065	0.02%	0.004%
211	11.192	11.189	11.209	VV	363	3212	0.05%	0.013%
212	11.213	11.209	11.217	VV	309	1256	0.02%	0.005%
213	11.240	11.217	11.258	VV	851	12286	0.20%	0.051%
214	11.272	11.258	11.288	VV	584	6735	0.11%	0.028%
215	11.305	11.288	11.323	VV	1122	13897	0.23%	0.058%
216	11.329	11.323	11.335	VV	337	1859	0.03%	0.008%
217	11.356	11.335	11.366	VV	583	8235	0.14%	0.034%
218	11.379	11.366	11.409	VV	762	12821	0.21%	0.054%
219	11.413	11.409	11.417	VV	308	1282	0.02%	0.005%
220	11.457	11.417	11.476	VV	649	14375	0.24%	0.060%
221	11.501	11.476	11.523	VV	780	13078	0.22%	0.055%
222	11.540	11.523	11.580	VV	825	11391	0.19%	0.048%
223	11.626	11.580	11.672	PV	434262	4645696	76.74%	19.388%
224	11.689	11.672	11.706	VV	1423	21168	0.35%	0.088%
225	11.716	11.706	11.750	VV	1102	18787	0.31%	0.078%
226	11.785	11.750	11.816	VV	1277	36837	0.61%	0.154%
227	11.834	11.816	11.865	VV	948	17541	0.29%	0.073%
228	11.878	11.865	11.886	VV	405	4416	0.07%	0.018%
229	11.904	11.886	11.912	VV	555	6685	0.11%	0.028%
230	11.918	11.912	11.923	VV	565	2859	0.05%	0.012%
231	11.930	11.923	11.937	VV	491	3545	0.06%	0.015%
232	11.957	11.937	11.985	VV	998	18756	0.31%	0.078%
233	12.023	11.985	12.047	VV	8173	103502	1.71%	0.432%
234	12.065	12.047	12.093	VV	1277	22030	0.36%	0.092%
235	12.127	12.093	12.164	VV	1256	32982	0.54%	0.138%
236	12.211	12.164	12.250	VV	15731	211232	3.49%	0.882%
237	12.256	12.250	12.290	VV	944	16609	0.27%	0.069%
238	12.307	12.290	12.319	VV	911	12075	0.20%	0.050%
239	12.336	12.319	12.350	VV	938	15231	0.25%	0.064%
240	12.357	12.350	12.368	VV	804	7692	0.13%	0.032%
241	12.382	12.368	12.390	VV	822	9698	0.16%	0.040%
242	12.396	12.390	12.418	VV	872	11401	0.19%	0.048%
243	12.473	12.418	12.494	VV	2657	55182	0.91%	0.230%
244	12.501	12.494	12.523	VV	785	10559	0.17%	0.044%
245	12.551	12.523	12.574	VV	1743	27443	0.45%	0.115%
246	12.610	12.574	12.630	VV	1421	24607	0.41%	0.103%

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247	12.668	12.630	12.719	VV	7777	128349	2.12%	0.536%
248	12.731	12.719	12.754	VV	700	9991	0.17%	0.042%
249	12.762	12.754	12.780	VV	343	3269	0.05%	0.014%
250	12.803	12.780	12.815	VV	495	7909	0.13%	0.033%
251	12.821	12.815	12.844	VV	625	7779	0.13%	0.032%
252	12.862	12.844	12.873	VV	743	10524	0.17%	0.044%
253	12.877	12.873	12.894	VV	743	7571	0.13%	0.032%
254	12.898	12.894	12.935	VV	553	11968	0.20%	0.050%
255	12.966	12.935	12.990	VV	6951	82611	1.36%	0.345%
256	13.008	12.990	13.025	VV	1838	27806	0.46%	0.116%
257	13.055	13.025	13.085	VV	97671	1154398	19.07%	4.818%
258	13.097	13.085	13.109	VV	754	9273	0.15%	0.039%
259	13.113	13.109	13.126	VV	659	5839	0.10%	0.024%
260	13.139	13.126	13.168	VV	795	15855	0.26%	0.066%
261	13.173	13.168	13.192	VV	553	6239	0.10%	0.026%
262	13.198	13.192	13.201	VV	302	1340	0.02%	0.006%
263	13.233	13.201	13.250	VV	1178	23724	0.39%	0.099%
264	13.274	13.250	13.332	VV	4725	84667	1.40%	0.353%
265	13.337	13.332	13.373	VV	774	16645	0.27%	0.069%
266	13.379	13.373	13.382	VV	624	2981	0.05%	0.012%
267	13.399	13.382	13.405	VV	693	8263	0.14%	0.034%
268	13.441	13.405	13.492	VV	9255	143168	2.37%	0.597%
269	13.495	13.492	13.517	VV	882	9465	0.16%	0.040%
270	13.553	13.517	13.579	VV	1516	31452	0.52%	0.131%
271	13.601	13.579	13.617	VV	644	10618	0.18%	0.044%
272	13.623	13.617	13.642	VV	733	7351	0.12%	0.031%
273	13.661	13.642	13.667	VV	1136	10486	0.17%	0.044%
274	13.669	13.667	13.687	VV	1114	10077	0.17%	0.042%
275	13.697	13.687	13.717	VV	858	11289	0.19%	0.047%
276	13.755	13.717	13.780	VV	1663	28905	0.48%	0.121%
277	13.806	13.780	13.818	VV	1272	17608	0.29%	0.073%
278	13.830	13.818	13.852	VV	1144	16118	0.27%	0.067%
279	13.871	13.852	13.929	VV	867	19063	0.31%	0.080%
280	13.932	13.929	13.947	VV	218	1610	0.03%	0.007%
281	13.952	13.947	13.966	PV	194	1389	0.02%	0.006%
282	13.974	13.966	13.993	VV	295	3628	0.06%	0.015%
283	14.001	13.993	14.006	VV	260	1380	0.02%	0.006%
284	14.012	14.006	14.019	VV	301	1576	0.03%	0.007%
285	14.035	14.019	14.075	VV	494	10561	0.17%	0.044%
286	14.083	14.075	14.090	VV	373	1916	0.03%	0.008%
287	14.106	14.090	14.112	VV	319	2754	0.05%	0.011%
288	14.143	14.112	14.161	VV	446	7800	0.13%	0.033%
289	14.166	14.161	14.173	VV	248	1891	0.03%	0.008%
290	14.192	14.173	14.211	VV	1368	18861	0.31%	0.079%
291	14.239	14.211	14.264	VV	2353	38848	0.64%	0.162%
292	14.279	14.264	14.322	VV	1261	26694	0.44%	0.111%
293	14.326	14.322	14.350	VV	318	4925	0.08%	0.021%
294	14.365	14.350	14.388	VV	914	13240	0.22%	0.055%
295	14.414	14.388	14.425	VV	585	9923	0.16%	0.041%
296	14.430	14.425	14.438	VV	532	3665	0.06%	0.015%
297	14.458	14.438	14.486	VV	987	20199	0.33%	0.084%
298	14.496	14.486	14.510	VV	568	6997	0.12%	0.029%
299	14.529	14.510	14.567	VV	1817	32195	0.53%	0.134%

					rteres			
300	14.585	14.567	14.606	VV	978	14904	0.25%	0.062%
301	14.613	14.606	14.618	VV	459	2885	0.05%	0.012%
302	14.623	14.618	14.640	VV	500	4721	0.08%	0.020%
303	14.649	14.640	14.666	VV	512	6329	0.10%	0.026%
304	14.700	14.666	14.730	VV	669	20051	0.33%	0.084%
305	14.748	14.730	14.775	VV	715	12614	0.21%	0.053%
306	14.788	14.775	14.815	VV	335	5768	0.10%	0.024%
307	14.836	14.815	14.854	VV	3798	45671	0.75%	0.191%
308	14.877	14.854	14.899	VV	4939	71483	1.18%	0.298%
309	14.905	14.899	14.932	VV	1429	16192	0.27%	0.068%
310	14.951	14.932	14.979	VV	1300	21765	0.36%	0.091%
311	14.998	14.979	15.022	VV	965	14248	0.24%	0.059%
312	15.037	15.022	15.045	VV	358	3271	0.05%	0.014%
313	15.056	15.045	15.062	VV	356	2528	0.04%	0.011%
314	15.085	15.062	15.112	VV	654	10088	0.17%	0.042%
315	15.136	15.122	15.148	VV	481	5118	0.08%	0.021%
316	15.152	15.148	15.157	VV	324	1606	0.03%	0.007%
317	15.178	15.157	15.203	VV	547	10009	0.17%	0.042%
318	15.211	15.203	15.235	VV	420	3696	0.06%	0.015%
319	15.241	15.235	15.249	VV	308	1788	0.03%	0.007%
320	15.280	15.249	15.314	VV	20907	260800	4.31%	1.088%
321	15.321	15.314	15.352	VV	1045	13594	0.22%	0.057%
322	15.379	15.352	15.392	VV	567	8698	0.14%	0.036%
323	15.442	15.392	15.466	VV	3158	61327	1.01%	0.256%
324	15.481	15.466	15.499	VV	1102	15925	0.26%	0.066%
325	15.509	15.499	15.534	VV	1052	13984	0.23%	0.058%
326	15.546	15.534	15.584	VV	904	16203	0.27%	0.068%
327	15.592	15.584	15.599	VV	427	3415	0.06%	0.014%
328	15.635	15.599	15.640	VV	1031	14837	0.25%	0.062%
329	15.644	15.640	15.654	VV	918	6660	0.11%	0.028%
330	15.668	15.654	15.697	VV	907	17809	0.29%	0.074%
331	15.701	15.697	15.716	VV	469	4745	0.08%	0.020%
332	15.725	15.716	15.732	VV	498	4253	0.07%	0.018%
333	15.740	15.732	15.765	VV	694	9840	0.16%	0.041%
334	15.793	15.765	15.824	VV	1337	25020	0.41%	0.104%
335	15.830	15.824	15.846	VV	407	3031	0.05%	0.013%
336	15.853	15.846	15.861	PV	176	1081	0.02%	0.005%
337	15.884	15.861	15.902	VV	617	8210	0.14%	0.034%
338	15.924	15.902	15.957	VV	1736	27133	0.45%	0.113%
339	15.984	15.957	16.019	VV	2299	35780	0.59%	0.149%
340	16.022	16.019	16.030	VV	228	1308	0.02%	0.005%
341	16.037	16.030	16.051	VV	285	2474	0.04%	0.010%
342	16.069	16.051	16.089	VV	455	7360	0.12%	0.031%
343	16.110	16.089	16.136	VV	462	9008	0.15%	0.038%
344	16.142	16.136	16.158	VV	243	1503	0.02%	0.006%
345	16.177	16.158	16.194	PV	332	4130	0.07%	0.017%
346	16.210	16.194	16.220	VV	330	3660	0.06%	0.015%
347	16.225	16.220	16.247	VV	286	3785	0.06%	0.016%
348	16.250	16.247	16.257	VV	337	1502	0.02%	0.006%
349	16.289	16.257	16.346	VV	10364	155381	2.57%	0.648%
350	16.389	16.346	16.440	VV	5073	119598	1.98%	0.499%
351	16.481	16.440	16.502	VV	1604	32093	0.53%	0.134%

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352	16.532	16.502	16.548	VV	1783	29188	0.48%	0.122%	
353	16.551	16.548	16.587	VV	744	10873	0.18%	0.045%	
354	16.601	16.587	16.607	VV	654	5767	0.10%	0.024%	
355	16.614	16.607	16.634	VV	692	8644	0.14%	0.036%	
356	16.636	16.634	16.644	VV	479	2304	0.04%	0.010%	
357	16.654	16.644	16.662	VV	437	4231	0.07%	0.018%	
358	16.669	16.662	16.683	VV	500	5814	0.10%	0.024%	
359	16.707	16.683	16.739	VV	3005	44954	0.74%	0.188%	
360	16.765	16.739	16.815	VV	4631	73277	1.21%	0.306%	
361	16.838	16.815	16.845	VV	908	11393	0.19%	0.048%	
362	16.870	16.845	16.892	VV	2721	42383	0.70%	0.177%	
363	16.921	16.892	16.925	VV	3105	31011	0.51%	0.129%	
364	16.947	16.925	16.975	VV	8040	120830	2.00%	0.504%	
365	17.013	16.975	17.037	VV	717	20355	0.34%	0.085%	
366	17.042	17.037	17.046	VV	299	1509	0.02%	0.006%	
367	17.069	17.046	17.097	VV	420	7208	0.12%	0.030%	
368	17.134	17.106	17.162	VV	641	15006	0.25%	0.063%	
369	17.178	17.162	17.188	VV	370	4654	0.08%	0.019%	
370	17.193	17.188	17.197	VV	374	1710	0.03%	0.007%	
371	17.228	17.197	17.283	VV	16388	238958	3.95%	0.997%	
372	17.319	17.283	17.364	VV	5390	90089	1.49%	0.376%	
373	17.402	17.364	17.452	VV	1582	36754	0.61%	0.153%	
374	17.490	17.452	17.512	VV	894	15557	0.26%	0.065%	
375	17.535	17.512	17.545	VV	581	7876	0.13%	0.033%	
376	17.551	17.545	17.565	VV	534	4403	0.07%	0.018%	
377	17.570	17.565	17.578	VV	252	1048	0.02%	0.004%	
378	17.596	17.590	17.605	VV	252	1978	0.03%	0.008%	
379	17.623	17.615	17.627	VV	250	1196	0.02%	0.005%	
380	17.635	17.627	17.647	VV	328	2142	0.04%	0.009%	
381	17.653	17.647	17.655	VV	355	1062	0.02%	0.004%	
382	17.677	17.655	17.702	VV	1447	23772	0.39%	0.099%	
383	17.755	17.702	17.781	VV	3544	65395	1.08%	0.273%	
384	17.800	17.781	17.805	VV	975	9803	0.16%	0.041%	
385	17.844	17.805	17.875	VV	9498	144975	2.39%	0.605%	
386	17.885	17.875	17.897	VV	411	4484	0.07%	0.019%	
387	17.912	17.897	17.919	VV	516	5472	0.09%	0.023%	
388	17.921	17.919	17.948	VV	419	5695	0.09%	0.024%	
389	17.971	17.948	17.990	VV	1569	26959	0.45%	0.113%	
390	18.009	17.990	18.025	VV	1335	21826	0.36%	0.091%	
391	18.039	18.025	18.054	VV	1104	16096	0.27%	0.067%	
392	18.107	18.054	18.151	VV	25615	430224	7.11%	1.795%	
393	18.176	18.151	18.227	VV	10675	177852	2.94%	0.742%	
394	18.270	18.227	18.332	VV	3408	80230	1.33%	0.335%	
395	18.342	18.332	18.354	VV	274	1588	0.03%	0.007%	
396	18.381	18.354	18.405	PV	2780	38674	0.64%	0.161%	
397	18.427	18.405	18.435	VV	418	5272	0.09%	0.022%	
398	18.447	18.435	18.452	VV	431	3881	0.06%	0.016%	
399	18.461	18.452	18.482	VV	608	6079	0.10%	0.025%	
Sum of corrected areas:						23961929			

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-C		SDG No.:	Q2892	
Lab Sample ID:	Q2892-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.5	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:00	08/22/25 17:58	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.17	J	1	0.16	1.13	mg/kg	FC069711.D
Aliphatic C12-C16	Aliphatic C12-C16	0.32	J	1	0.12	0.75	mg/kg	FC069711.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	J	1	0.15	1.13	mg/kg	FC069711.D
Aliphatic C21-C28	Aliphatic C21-C28	0.60	U	1	0.60	1.50	mg/kg	FC069711.D
Aliphatic C28-C40	Aliphatic C28-C40	2.05	J	1	1.33	2.25	mg/kg	FC069711.D
Aromatic C10-C12	Aromatic C10-C12	0.24	J	1	0.14	0.75	mg/kg	FD049658.D
Aromatic C12-C16	Aromatic C12-C16	5.67		1	0.26	1.13	mg/kg	FD049658.D
Aromatic C16-C21	Aromatic C16-C21	1.61	J	1	0.45	1.88	mg/kg	FD049658.D
Aromatic C21-C36	Aromatic C21-C36	2.45	J	1	1.34	3.00	mg/kg	FD049658.D
Total AliphaticEPH	Total AliphaticEPH	2.84	J		2.36	6.76	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.96			2.19	6.76	mg/kg	
Total EPH	Total EPH	12.8	J		4.54	13.5	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelles Ave	Date Received:	08/15/25
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-C	SDG No.:	Q2892
Lab Sample ID:	Q2892-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069711.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.17	J	0.16	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.32	J	0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.30	J	0.15	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.60	U	0.60	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.05	J	1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.3		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2892-05	Acq On:	22 Aug 2025 17:58
Client Sample ID:	BACK-1-FLOOR-CENTEF	Operator:	YP/AJ
Data file:	FC069711.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	3.298	6.594	331466	2.291	300	ug/ml
Aliphatic C12-C16	6.595	9.996	602627	4.201	200	ug/ml
Aliphatic C16-C21	9.997	13.364	535388	4.009	300	ug/ml
Aliphatic C21-C28	13.365	17.031	537099	4.54	400	ug/ml
Aliphatic C28-C40	17.032	22.001	2605082	27.331	600	ug/ml
Aliphatic EPH	3.298	22.001	4611662	42.372		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	5810526	53.3		ug/ml
Aliphatic C9-C28	3.298	17.031	2006580	15.041	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069711.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 17:58
Operator : YP/AJ
Sample : Q2892-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

Integration File: autoint1.e
Quant Time: Aug 25 01:09:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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	5810526	53.296 ug/ml
Spiked Amount 50.000		Recovery =	106.59%

Target Compounds

(f)=RT Delta > 1/2 Window

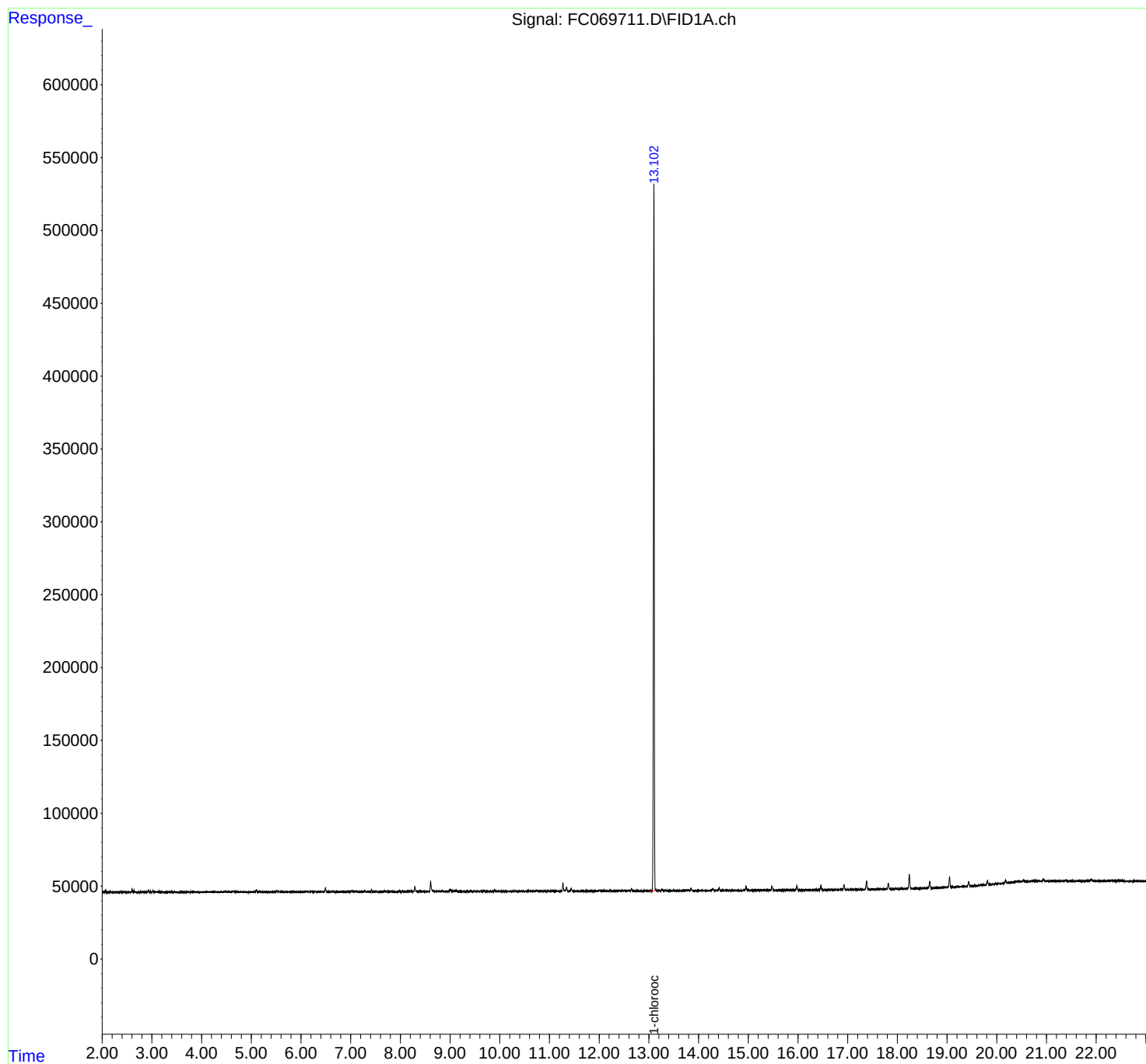
(m)=manual int.

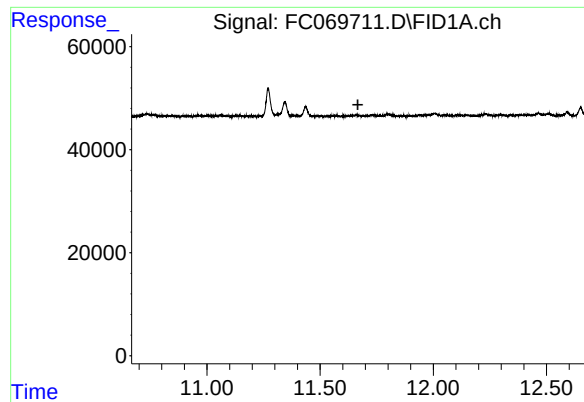
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069711.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 17:58
Operator : YP/AJ
Sample : Q2892-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

Integration File: autoint1.e
Quant Time: Aug 25 01:09:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

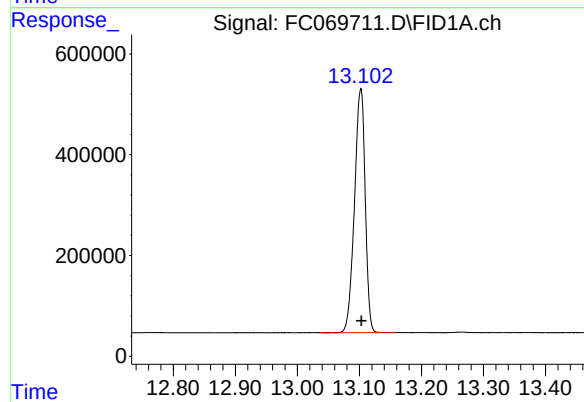




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C



#12 1-chlorooctadecane (SURR)

R.T.: 13.102 min
Delta R.T.: -0.002 min
Response: 5810526
Conc: 53.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069711.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 17:58
 Sample : Q2892-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.244	3.232	3.301	PV	72	831	0.01%	0.008%
2	3.312	3.301	3.324	VV	51	338	0.01%	0.003%
3	3.348	3.324	3.361	PV	92	638	0.01%	0.006%
4	3.397	3.361	3.431	VV	352	4631	0.08%	0.044%
5	3.454	3.431	3.464	VV	107	1140	0.02%	0.011%
6	3.498	3.464	3.518	VV	132	1878	0.03%	0.018%
7	3.545	3.518	3.554	VV	89	929	0.02%	0.009%
8	3.595	3.554	3.634	VV	159	2854	0.05%	0.027%
9	3.671	3.634	3.696	VV	107	2616	0.04%	0.025%
10	3.721	3.696	3.758	VV	143	3261	0.06%	0.031%
11	3.774	3.758	3.806	VV	171	2798	0.05%	0.027%
12	3.845	3.806	3.874	VV	166	3542	0.06%	0.034%
13	3.896	3.874	3.933	VV	148	3677	0.06%	0.035%
14	3.980	3.933	3.994	VV	164	3248	0.06%	0.031%
15	4.004	3.994	4.021	VV	116	1429	0.02%	0.014%
16	4.028	4.021	4.041	VV	108	871	0.01%	0.008%
17	4.068	4.041	4.081	VV	280	3967	0.07%	0.038%
18	4.096	4.081	4.153	VV	542	8766	0.15%	0.084%
19	4.164	4.153	4.183	VV	224	2502	0.04%	0.024%
20	4.245	4.183	4.262	VV	420	9907	0.17%	0.095%
21	4.271	4.262	4.294	VV	129	2462	0.04%	0.024%
22	4.311	4.294	4.322	VV	186	1997	0.03%	0.019%
23	4.372	4.322	4.381	VV	172	4462	0.08%	0.043%
24	4.394	4.381	4.450	VV	189	6051	0.10%	0.058%
25	4.470	4.450	4.505	VV	750	11129	0.19%	0.106%
26	4.511	4.505	4.533	VV	227	2738	0.05%	0.026%
27	4.564	4.533	4.608	VV	288	8891	0.15%	0.085%
28	4.638	4.608	4.668	VV	585	11002	0.19%	0.105%
29	4.694	4.668	4.711	VV	504	7392	0.13%	0.071%
30	4.724	4.711	4.744	VV	707	7483	0.13%	0.072%
31	4.757	4.744	4.825	VV	175	6550	0.11%	0.063%
32	4.844	4.825	4.865	VV	191	2853	0.05%	0.027%
33	4.883	4.865	4.908	VV	155	2319	0.04%	0.022%
34	4.928	4.908	4.935	VV	122	866	0.01%	0.008%
35	4.945	4.935	4.983	PV	153	1664	0.03%	0.016%
36	5.030	4.983	5.051	VV	151	2504	0.04%	0.024%

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37	5.105	5.051	5.138	VV	1686	23555	0.40%	0.225%
38	5.161	5.138	5.178	VV	483	5995	0.10%	0.057%
39	5.214	5.178	5.236	VV	202	4251	0.07%	0.041%
40	5.241	5.236	5.278	VV	120	1951	0.03%	0.019%
41	5.312	5.278	5.324	VV	152	3144	0.05%	0.030%
42	5.331	5.324	5.381	VV	169	3496	0.06%	0.033%
43	5.397	5.381	5.432	VV	161	3166	0.05%	0.030%
44	5.477	5.432	5.494	VV	155	3692	0.06%	0.035%
45	5.510	5.494	5.529	VV	559	6317	0.11%	0.060%
46	5.551	5.529	5.580	VV	677	9586	0.16%	0.092%
47	5.606	5.580	5.657	VV	281	6657	0.11%	0.064%
48	5.669	5.657	5.684	VV	214	2399	0.04%	0.023%
49	5.700	5.684	5.787	VV	231	6526	0.11%	0.062%
50	5.804	5.787	5.838	VV	212	4053	0.07%	0.039%
51	5.845	5.838	5.856	VV	154	1282	0.02%	0.012%
52	5.867	5.856	5.932	VV	215	4213	0.07%	0.040%
53	5.966	5.932	5.984	VV	148	3279	0.06%	0.031%
54	6.067	5.984	6.084	VV	375	10808	0.19%	0.103%
55	6.111	6.084	6.131	VV	377	6274	0.11%	0.060%
56	6.152	6.131	6.191	VV	499	9076	0.16%	0.087%
57	6.212	6.191	6.264	VV	421	9522	0.16%	0.091%
58	6.291	6.264	6.328	VV	223	5633	0.10%	0.054%
59	6.336	6.328	6.363	VV	181	2602	0.04%	0.025%
60	6.381	6.363	6.408	VV	261	4022	0.07%	0.038%
61	6.493	6.408	6.541	VV	3115	43291	0.74%	0.414%
62	6.577	6.541	6.604	VV	349	7321	0.13%	0.070%
63	6.614	6.604	6.625	VV	237	2304	0.04%	0.022%
64	6.642	6.625	6.662	VV	602	6559	0.11%	0.063%
65	6.678	6.662	6.699	VV	194	3362	0.06%	0.032%
66	6.718	6.699	6.801	VV	322	6740	0.12%	0.064%
67	6.834	6.801	6.873	VV	159	4320	0.07%	0.041%
68	6.892	6.873	6.921	VV	156	3101	0.05%	0.030%
69	6.937	6.921	6.970	VV	337	4970	0.09%	0.048%
70	6.991	6.970	7.021	VV	380	8165	0.14%	0.078%
71	7.051	7.021	7.078	VV	363	7993	0.14%	0.076%
72	7.117	7.078	7.140	VV	559	9696	0.17%	0.093%
73	7.157	7.140	7.183	VV	195	2629	0.05%	0.025%
74	7.195	7.183	7.208	VV	154	1704	0.03%	0.016%
75	7.221	7.208	7.251	VV	163	2544	0.04%	0.024%
76	7.280	7.251	7.331	VV	988	14653	0.25%	0.140%
77	7.384	7.331	7.394	VV	234	6448	0.11%	0.062%
78	7.420	7.394	7.471	VV	1251	17382	0.30%	0.166%
79	7.483	7.471	7.494	VV	172	2057	0.04%	0.020%
80	7.509	7.494	7.554	VV	259	4669	0.08%	0.045%
81	7.564	7.554	7.574	VV	131	1000	0.02%	0.010%
82	7.588	7.574	7.614	VV	125	1870	0.03%	0.018%
83	7.625	7.614	7.661	VV	122	1938	0.03%	0.019%
84	7.683	7.661	7.714	VV	542	6706	0.11%	0.064%
85	7.762	7.714	7.772	VV	187	4879	0.08%	0.047%
86	7.783	7.772	7.802	VV	208	3072	0.05%	0.029%
87	7.847	7.802	7.888	VV	225	7049	0.12%	0.067%
88	7.900	7.888	7.931	VV	129	1178	0.02%	0.011%
89	7.944	7.931	7.964	VV	128	1578	0.03%	0.015%

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90	7.987	7.964	8.028	PV	793	9434	0.16%	0.090%
91	8.043	8.028	8.097	VV	759	10831	0.19%	0.104%
92	8.141	8.097	8.161	VV	273	6326	0.11%	0.061%
93	8.199	8.161	8.251	VV	644	14221	0.24%	0.136%
94	8.292	8.251	8.368	VV	3640	48373	0.83%	0.463%
95	8.400	8.368	8.428	VV	414	9257	0.16%	0.089%
96	8.444	8.428	8.471	VV	260	3684	0.06%	0.035%
97	8.485	8.471	8.505	VV	188	2905	0.05%	0.028%
98	8.525	8.505	8.578	VV	291	5521	0.09%	0.053%
99	8.608	8.578	8.690	VV	7286	115933	1.99%	1.109%
100	8.701	8.690	8.728	VV	423	7908	0.14%	0.076%
101	8.754	8.728	8.767	VV	379	7554	0.13%	0.072%
102	8.782	8.767	8.814	VV	443	9599	0.16%	0.092%
103	8.834	8.814	8.872	VV	515	11352	0.19%	0.109%
104	8.895	8.872	8.920	VV	275	4167	0.07%	0.040%
105	9.010	8.920	9.034	PV	1459	39152	0.67%	0.374%
106	9.050	9.034	9.068	VV	629	9519	0.16%	0.091%
107	9.077	9.068	9.091	VV	410	4729	0.08%	0.045%
108	9.133	9.091	9.165	VV	1013	23966	0.41%	0.229%
109	9.178	9.165	9.187	VV	214	2295	0.04%	0.022%
110	9.203	9.187	9.228	VV	369	5355	0.09%	0.051%
111	9.253	9.228	9.272	VV	283	4471	0.08%	0.043%
112	9.300	9.272	9.341	VV	242	6278	0.11%	0.060%
113	9.357	9.341	9.368	VV	205	2794	0.05%	0.027%
114	9.374	9.368	9.388	VV	191	1994	0.03%	0.019%
115	9.417	9.388	9.463	VV	429	10825	0.19%	0.104%
116	9.484	9.463	9.516	VV	676	10717	0.18%	0.103%
117	9.534	9.516	9.568	VV	357	6965	0.12%	0.067%
118	9.578	9.568	9.591	VV	190	2127	0.04%	0.020%
119	9.624	9.591	9.651	VV	550	9767	0.17%	0.093%
120	9.676	9.651	9.737	VV	1034	14870	0.25%	0.142%
121	9.765	9.737	9.795	VV	239	4722	0.08%	0.045%
122	9.817	9.795	9.844	VV	404	6642	0.11%	0.064%
123	9.897	9.844	9.948	VV	1091	19012	0.33%	0.182%
124	9.971	9.948	9.981	VV	258	3813	0.07%	0.036%
125	9.992	9.981	10.051	VV	277	6983	0.12%	0.067%
126	10.073	10.051	10.093	VV	179	2943	0.05%	0.028%
127	10.104	10.093	10.132	PV	115	2200	0.04%	0.021%
128	10.178	10.132	10.192	VV	205	4760	0.08%	0.046%
129	10.202	10.192	10.207	VV	206	1376	0.02%	0.013%
130	10.218	10.207	10.231	VV	240	2826	0.05%	0.027%
131	10.289	10.231	10.311	VV	460	12271	0.21%	0.117%
132	10.329	10.311	10.351	VV	372	5686	0.10%	0.054%
133	10.379	10.351	10.418	VV	254	7616	0.13%	0.073%
134	10.423	10.418	10.440	VV	180	1958	0.03%	0.019%
135	10.453	10.440	10.477	VV	190	2907	0.05%	0.028%
136	10.499	10.477	10.513	VV	236	3971	0.07%	0.038%
137	10.531	10.513	10.549	VV	282	5057	0.09%	0.048%
138	10.580	10.549	10.618	VV	362	11333	0.19%	0.108%
139	10.636	10.618	10.678	VV	539	10853	0.19%	0.104%
140	10.734	10.678	10.751	VV	682	16866	0.29%	0.161%
141	10.763	10.751	10.829	VV	525	13160	0.23%	0.126%

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142	10.852	10.829	10.881	VV	286	6169	0.11%	0.059%
143	10.898	10.881	10.910	VV	206	2933	0.05%	0.028%
144	10.921	10.910	10.937	VV	205	2795	0.05%	0.027%
145	10.965	10.937	10.989	VV	292	7134	0.12%	0.068%
146	11.005	10.989	11.031	VV	308	5433	0.09%	0.052%
147	11.065	11.031	11.104	VV	363	9841	0.17%	0.094%
148	11.145	11.104	11.164	VV	292	6701	0.11%	0.064%
149	11.197	11.164	11.214	VV	189	4001	0.07%	0.038%
150	11.271	11.214	11.302	VV	5580	78588	1.35%	0.752%
151	11.344	11.302	11.408	VV	2927	51535	0.88%	0.493%
152	11.436	11.408	11.527	VV	2013	31118	0.53%	0.298%
153	11.566	11.527	11.589	VV	183	4882	0.08%	0.047%
154	11.661	11.589	11.678	PV	307	9374	0.16%	0.090%
155	11.735	11.678	11.773	VV	339	10911	0.19%	0.104%
156	11.798	11.773	11.886	VV	521	13340	0.23%	0.128%
157	11.895	11.886	11.914	VV	176	2090	0.04%	0.020%
158	11.939	11.914	11.971	VV	203	6394	0.11%	0.061%
159	12.007	11.971	12.038	VV	566	14042	0.24%	0.134%
160	12.053	12.038	12.084	VV	211	5160	0.09%	0.049%
161	12.107	12.084	12.191	VV	275	10644	0.18%	0.102%
162	12.233	12.191	12.267	VV	451	10819	0.19%	0.103%
163	12.304	12.267	12.328	VV	244	6199	0.11%	0.059%
164	12.340	12.328	12.358	VV	190	2797	0.05%	0.027%
165	12.383	12.358	12.435	VV	280	8487	0.15%	0.081%
166	12.463	12.435	12.484	VV	588	10143	0.17%	0.097%
167	12.509	12.484	12.563	VV	436	11030	0.19%	0.106%
168	12.590	12.563	12.623	VV	751	10870	0.19%	0.104%
169	12.651	12.623	12.698	VV	1623	23180	0.40%	0.222%
170	12.770	12.698	12.818	VV	455	12726	0.22%	0.122%
171	12.826	12.818	12.838	PV	78	679	0.01%	0.006%
172	12.944	12.838	12.958	VV	178	7406	0.13%	0.071%
173	12.962	12.958	12.971	VV	153	1069	0.02%	0.010%
174	12.977	12.971	12.995	VV	192	1975	0.03%	0.019%
175	13.019	12.995	13.044	VV	206	4649	0.08%	0.044%
176	13.102	13.044	13.184	VV	482987	5833187	100.00%	55.796%
177	13.203	13.184	13.235	VV	292	6552	0.11%	0.063%
178	13.264	13.235	13.311	VV	1342	22763	0.39%	0.218%
179	13.333	13.311	13.354	VV	261	5176	0.09%	0.050%
180	13.366	13.354	13.419	VV	227	6656	0.11%	0.064%
181	13.441	13.419	13.451	VV	187	2905	0.05%	0.028%
182	13.472	13.451	13.491	VV	219	4281	0.07%	0.041%
183	13.537	13.491	13.548	VV	290	7948	0.14%	0.076%
184	13.556	13.548	13.594	VV	271	4932	0.08%	0.047%
185	13.609	13.594	13.628	VV	213	3315	0.06%	0.032%
186	13.645	13.628	13.658	VV	239	3762	0.06%	0.036%
187	13.706	13.658	13.747	VV	361	11790	0.20%	0.113%
188	13.798	13.747	13.822	VV	658	13909	0.24%	0.133%
189	13.851	13.822	13.901	VV	1961	30016	0.51%	0.287%
190	13.913	13.901	13.965	VV	226	5875	0.10%	0.056%
191	13.985	13.965	13.996	VV	138	1573	0.03%	0.015%
192	14.010	13.996	14.034	VV	112	1884	0.03%	0.018%
193	14.038	14.034	14.044	VV	142	562	0.01%	0.005%
194	14.072	14.044	14.081	VV	247	3666	0.06%	0.035%

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195	14.089	14.081	14.139	VV	265	5533	0.09%	0.053%
196	14.145	14.139	14.156	VV	141	1365	0.02%	0.013%
197	14.171	14.156	14.198	VV	174	3332	0.06%	0.032%
198	14.208	14.198	14.248	VV	163	4119	0.07%	0.039%
199	14.290	14.248	14.351	VV	1391	25828	0.44%	0.247%
200	14.415	14.351	14.460	VV	2019	32988	0.57%	0.316%
201	14.470	14.460	14.497	VV	223	3275	0.06%	0.031%
202	14.509	14.497	14.519	VV	207	2088	0.04%	0.020%
203	14.547	14.519	14.557	VV	235	4174	0.07%	0.040%
204	14.571	14.557	14.602	VV	236	4565	0.08%	0.044%
205	14.625	14.602	14.644	VV	237	3591	0.06%	0.034%
206	14.654	14.644	14.668	VV	140	1754	0.03%	0.017%
207	14.676	14.668	14.701	VV	163	2529	0.04%	0.024%
208	14.713	14.701	14.751	VV	194	4091	0.07%	0.039%
209	14.767	14.751	14.828	VV	222	6155	0.11%	0.059%
210	14.840	14.828	14.868	VV	102	1577	0.03%	0.015%
211	14.912	14.868	14.928	VV	487	7870	0.13%	0.075%
212	14.955	14.928	15.024	VV	2953	41952	0.72%	0.401%
213	15.034	15.024	15.101	VV	119	2464	0.04%	0.024%
214	15.124	15.101	15.198	VV	131	4587	0.08%	0.044%
215	15.290	15.198	15.309	VV	121	4632	0.08%	0.044%
216	15.371	15.309	15.426	PV	225	9278	0.16%	0.089%
217	15.475	15.426	15.564	VV	2800	43353	0.74%	0.415%
218	15.567	15.564	15.588	VV	100	832	0.01%	0.008%
219	15.657	15.588	15.678	VV	130	4628	0.08%	0.044%
220	15.684	15.678	15.694	VV	91	781	0.01%	0.007%
221	15.752	15.694	15.768	VV	183	4867	0.08%	0.047%
222	15.800	15.768	15.818	VV	249	4555	0.08%	0.044%
223	15.849	15.818	15.889	VV	229	6171	0.11%	0.059%
224	15.938	15.889	15.952	VV	391	7838	0.13%	0.075%
225	15.978	15.952	16.025	VV	3088	43647	0.75%	0.417%
226	16.033	16.025	16.068	VV	91	1750	0.03%	0.017%
227	16.079	16.068	16.094	VV	96	1082	0.02%	0.010%
228	16.105	16.094	16.134	PV	98	1726	0.03%	0.017%
229	16.141	16.134	16.204	VV	94	3499	0.06%	0.033%
230	16.211	16.204	16.224	VV	113	862	0.01%	0.008%
231	16.291	16.224	16.312	VV	199	5108	0.09%	0.049%
232	16.333	16.312	16.366	VV	179	3604	0.06%	0.034%
233	16.374	16.366	16.392	VV	102	984	0.02%	0.009%
234	16.461	16.392	16.491	VV	3053	44999	0.77%	0.430%
235	16.500	16.491	16.528	VV	168	2569	0.04%	0.025%
236	16.537	16.528	16.560	VV	168	1338	0.02%	0.013%
237	16.575	16.560	16.599	VV	98	1333	0.02%	0.013%
238	16.625	16.599	16.681	VV	175	5272	0.09%	0.050%
239	16.684	16.681	16.692	VV	109	383	0.01%	0.004%
240	16.707	16.692	16.718	VV	95	1092	0.02%	0.010%
241	16.725	16.718	16.733	VV	67	506	0.01%	0.005%
242	16.764	16.733	16.784	VV	240	3645	0.06%	0.035%
243	16.814	16.784	16.837	VV	246	4614	0.08%	0.044%
244	16.851	16.837	16.873	VV	152	2272	0.04%	0.022%
245	16.928	16.873	16.959	VV	3487	49882	0.86%	0.477%
246	16.968	16.959	16.976	VV	119	1237	0.02%	0.012%

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247	16.982	16.976	17.013	VV	138	1849	0.03%	0.018%
248	17.081	17.013	17.141	PV	120	5925	0.10%	0.057%
249	17.166	17.141	17.181	VV	140	2347	0.04%	0.022%
250	17.221	17.181	17.243	VV	186	4219	0.07%	0.040%
251	17.267	17.243	17.288	PV	189	1968	0.03%	0.019%
252	17.312	17.288	17.344	VV	165	3238	0.06%	0.031%
253	17.381	17.344	17.428	VV	5776	83542	1.43%	0.799%
254	17.470	17.428	17.481	VV	131	2804	0.05%	0.027%
255	17.490	17.481	17.524	VV	157	2358	0.04%	0.023%
256	17.557	17.524	17.614	VV	185	4501	0.08%	0.043%
257	17.660	17.614	17.691	VV	197	4294	0.07%	0.041%
258	17.710	17.691	17.758	VV	151	2109	0.04%	0.020%
259	17.817	17.758	17.857	VV	4165	61574	1.06%	0.589%
260	17.872	17.857	17.912	PV	96	2079	0.04%	0.020%
261	17.963	17.912	18.031	PV	253	8474	0.15%	0.081%
262	18.035	18.031	18.042	VV	89	492	0.01%	0.005%
263	18.051	18.042	18.060	VV	105	649	0.01%	0.006%
264	18.089	18.060	18.117	PV	310	5430	0.09%	0.052%
265	18.138	18.117	18.178	VV	162	3708	0.06%	0.035%
266	18.240	18.178	18.274	VV	9664	138866	2.38%	1.328%
267	18.287	18.274	18.298	VV	81	980	0.02%	0.009%
268	18.355	18.298	18.363	VV	91	2407	0.04%	0.023%
269	18.387	18.363	18.398	VV	124	1877	0.03%	0.018%
270	18.411	18.398	18.424	VV	115	1162	0.02%	0.011%
271	18.504	18.424	18.531	PV	337	9118	0.16%	0.087%
272	18.552	18.531	18.564	VV	230	2824	0.05%	0.027%
273	18.651	18.564	18.708	VV	4710	74056	1.27%	0.708%
274	18.724	18.708	18.734	VV	210	1844	0.03%	0.018%
275	18.806	18.734	18.846	VV	191	8187	0.14%	0.078%
276	18.909	18.846	18.941	PV	307	8140	0.14%	0.078%
277	18.977	18.941	18.991	VV	269	5758	0.10%	0.055%
278	19.050	18.991	19.088	VV	7166	106595	1.83%	1.020%
279	19.101	19.088	19.122	VV	202	3313	0.06%	0.032%
280	19.168	19.122	19.180	VV	246	6377	0.11%	0.061%
281	19.227	19.180	19.240	VV	274	8030	0.14%	0.077%
282	19.300	19.240	19.323	VV	438	13667	0.23%	0.131%
283	19.353	19.323	19.385	VV	350	10924	0.19%	0.104%
284	19.435	19.385	19.464	VV	3493	60809	1.04%	0.582%
285	19.478	19.464	19.488	VV	417	4957	0.08%	0.047%
286	19.678	19.488	19.708	VV	806	65373	1.12%	0.625%
287	19.728	19.708	19.764	VV	857	24748	0.42%	0.237%
288	19.812	19.764	19.848	VV	3493	74672	1.28%	0.714%
289	20.046	19.848	20.065	VV	1337	140159	2.40%	1.341%
290	20.090	20.065	20.109	VV	1425	34087	0.58%	0.326%
291	20.177	20.109	20.208	VV	3477	107859	1.85%	1.032%
292	20.240	20.208	20.258	VV	1679	47190	0.81%	0.451%
293	20.445	20.258	20.511	VV	2267	288678	4.95%	2.761%
294	20.540	20.511	20.574	VV	2949	88812	1.52%	0.850%
295	20.624	20.574	20.637	VV	1901	70166	1.20%	0.671%
296	20.648	20.637	20.671	VV	1944	38353	0.66%	0.367%
297	20.724	20.671	20.821	VV	2157	180097	3.09%	1.723%
298	20.834	20.821	20.881	VV	1973	65800	1.13%	0.629%
299	20.891	20.881	20.898	VV	1747	17982	0.31%	0.172%

					rters			
300	20.939	20.898	20.996	VV	2976	120563	2.07%	1.153%
301	21.010	20.996	21.038	VV	1687	39295	0.67%	0.376%
302	21.065	21.038	21.188	VV	1530	130265	2.23%	1.246%
303	21.197	21.188	21.228	VV	1315	31023	0.53%	0.297%
304	21.234	21.228	21.252	VV	1264	17972	0.31%	0.172%
305	21.283	21.252	21.301	VV	1244	35573	0.61%	0.340%
306	21.319	21.301	21.345	VV	1190	29793	0.51%	0.285%
307	21.392	21.345	21.451	VV	1437	73427	1.26%	0.702%
308	21.460	21.451	21.477	VV	962	14636	0.25%	0.140%
309	21.485	21.477	21.503	VV	948	13728	0.24%	0.131%
310	21.522	21.503	21.542	VV	931	19963	0.34%	0.191%
311	21.551	21.542	21.580	VV	817	18279	0.31%	0.175%
312	21.588	21.580	21.614	VV	756	14739	0.25%	0.141%
313	21.624	21.614	21.657	VV	757	17863	0.31%	0.171%
314	21.668	21.657	21.724	VV	672	24579	0.42%	0.235%
315	21.798	21.724	21.811	VV	528	26214	0.45%	0.251%
316	21.900	21.811	21.994	VV	1361	63592	1.09%	0.608%
317	22.022	21.994	22.040	VV	195	3942	0.07%	0.038%
318	22.100	22.040	22.124	VV	126	4907	0.08%	0.047%
					Sum of corrected areas:	10454532		

Aliphatic EPH 080125.M Mon Aug 25 01:38:28 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-C		SDG No.:	Q2892	
Lab Sample ID:	Q2892-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.5	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049658.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.24	J	0.14	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.67		0.26	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.61	J	0.45	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.45	J	1.34	3.00	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.5		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.9		40 - 140	82%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-05	Acq On:	23 Aug 2025 02:21
Client Sample ID:	BACK-1-FLOOR-CENTEF	Operator:	YP/AJ
Data file:	FD049658.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	4.407	6.150	337035	3.122	200	ug/ml
Aromatic C12-C16	6.151	8.778	9333844	75.529	300	ug/ml
Aromatic C16-C21	8.779	13.069	2703957	21.377	500	ug/ml
Aromatic C21-C36	13.070	18.489	3673867	32.622	800	ug/ml
Aromatic EPH	4.407	18.489	16048703	132.651		ug/ml
2-Fluorobiphenyl (SURR)	8.581	8.581	3585514	49.09		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	5173848	50.48		ug/ml
ortho-Terphenyl (SURR)	11.627	11.627	5308148	40.9		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049658.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 02:21
 Operator : YP/AJ
 Sample : Q2892-05
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-C

Integration File: sample.E
 Quant Time: Aug 25 01:52:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.716	5173848	50.483 ug/ml
Spiked Amount 50.000		Recovery =	100.97%
6) S 2-Fluorobiphenyl (SURR)	8.581	3585514	49.086 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	98.17%
11) S ortho-Terphenyl (SURR)	11.627	5308148	40.896 ug/ml
Spiked Amount 50.000		Recovery =	81.79%

Target Compounds

(f)=RT Delta > 1/2 Window

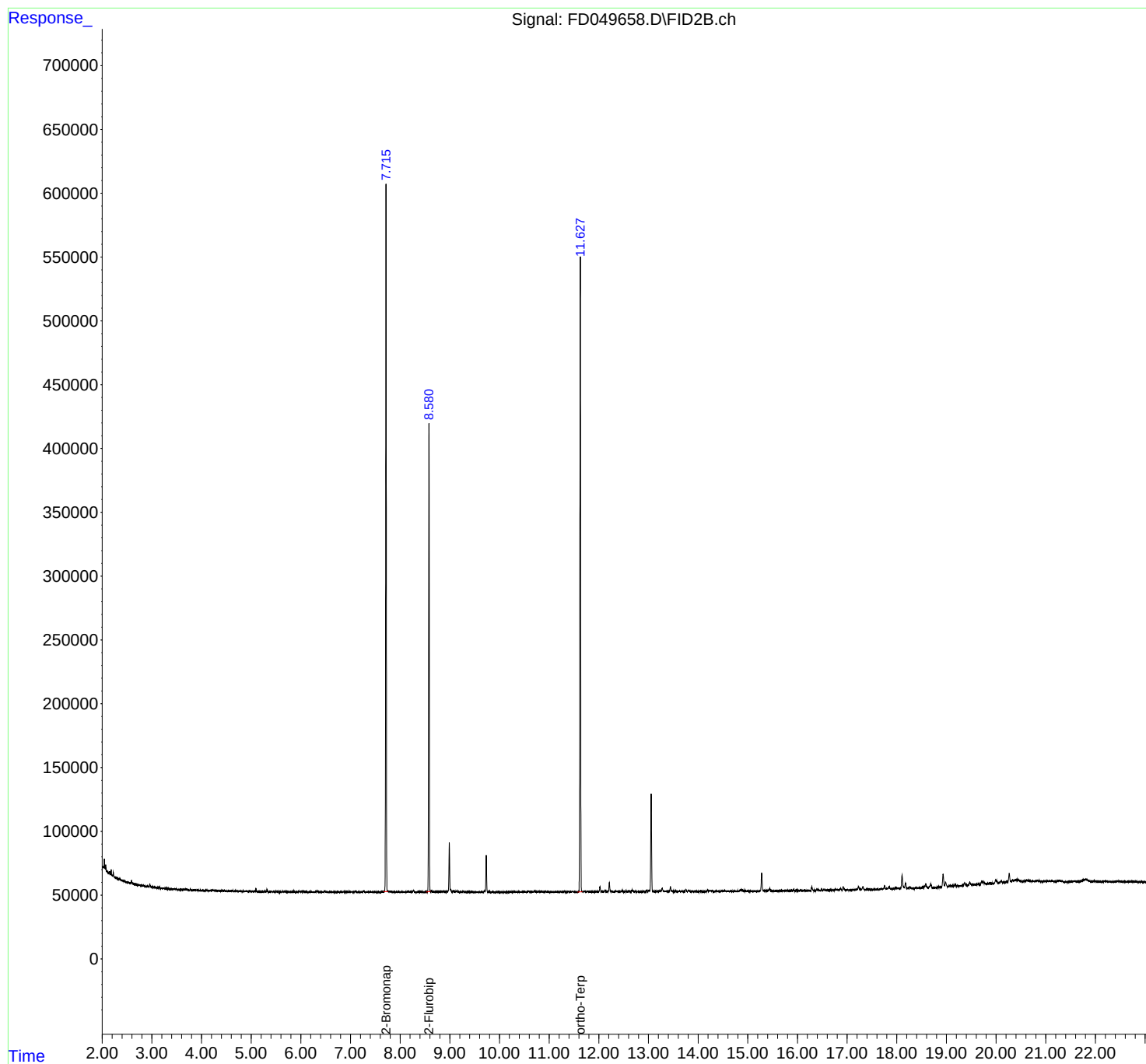
(m)=manual int.

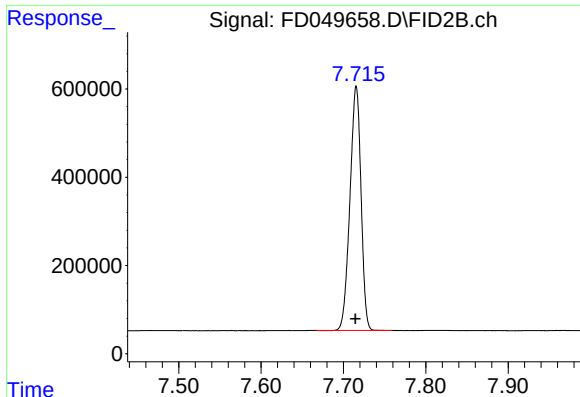
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049658.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 02:21
Operator : YP/AJ
Sample : Q2892-05
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

Integration File: sample.E
Quant Time: Aug 25 01:52:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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)

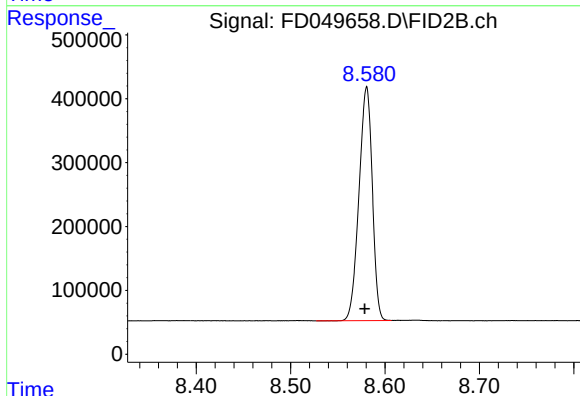
R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 5173848
Conc: 50.48 ug/ml

Instrument :

FID_D

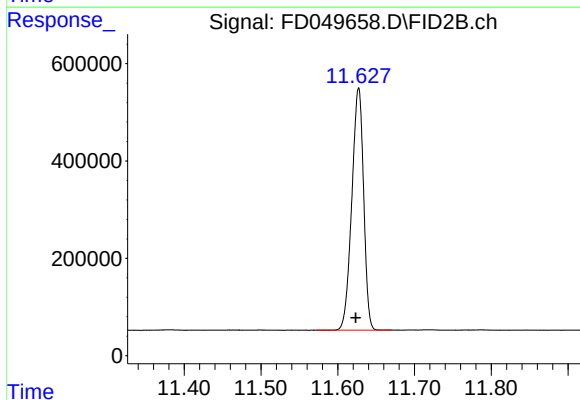
ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-C



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.581 min
Delta R.T.: 0.002 min
Response: 3585514
Conc: 49.09 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.627 min
Delta R.T.: 0.004 min
Response: 5308148
Conc: 40.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049658.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 02:21
 Sample : Q2892-05
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.312	4.307	4.352	VV	138	2580	0.05%	0.012%
2	4.358	4.352	4.371	VV	161	1301	0.02%	0.006%
3	4.384	4.371	4.388	PV	191	1211	0.02%	0.006%
4	4.395	4.388	4.402	VV	278	1879	0.04%	0.009%
5	4.415	4.402	4.442	VV	590	6239	0.12%	0.029%
6	4.462	4.442	4.486	VV	1065	10539	0.20%	0.049%
7	4.506	4.486	4.522	VV	331	4792	0.09%	0.022%
8	4.539	4.522	4.549	VV	370	3827	0.07%	0.018%
9	4.559	4.549	4.572	VV	349	3581	0.07%	0.017%
10	4.576	4.572	4.592	VV	431	3252	0.06%	0.015%
11	4.607	4.592	4.616	VV	655	5487	0.10%	0.026%
12	4.631	4.616	4.654	VV	699	8568	0.16%	0.040%
13	4.688	4.654	4.700	VV	697	9853	0.19%	0.046%
14	4.715	4.700	4.738	VV	699	8634	0.16%	0.040%
15	4.744	4.738	4.758	VV	274	1506	0.03%	0.007%
16	4.772	4.758	4.783	VV	420	3421	0.06%	0.016%
17	4.796	4.783	4.814	VV	538	5286	0.10%	0.025%
18	4.839	4.822	4.864	VV	308	5265	0.10%	0.025%
19	4.906	4.864	4.940	VV	442	8184	0.15%	0.038%
20	4.957	4.940	4.962	VV	284	2019	0.04%	0.009%
21	4.966	4.962	4.978	VV	314	2296	0.04%	0.011%
22	4.987	4.978	5.009	VV	486	4258	0.08%	0.020%
23	5.026	5.009	5.035	VV	349	3212	0.06%	0.015%
24	5.040	5.035	5.048	VV	367	1627	0.03%	0.008%
25	5.053	5.048	5.062	VV	176	1234	0.02%	0.006%
26	5.071	5.062	5.079	VV	430	3575	0.07%	0.017%
27	5.098	5.079	5.127	VV	1772	22828	0.43%	0.107%
28	5.134	5.127	5.140	VV	291	1827	0.03%	0.009%
29	5.158	5.140	5.193	VV	553	9306	0.17%	0.044%
30	5.207	5.193	5.245	VV	321	5812	0.11%	0.027%
31	5.265	5.245	5.277	VV	325	3352	0.06%	0.016%
32	5.294	5.277	5.301	VV	461	4328	0.08%	0.020%
33	5.318	5.301	5.347	VV	2416	23918	0.45%	0.112%
34	5.373	5.347	5.394	PV	348	6402	0.12%	0.030%
35	5.398	5.394	5.417	VV	350	4057	0.08%	0.019%
36	5.422	5.417	5.444	VV	407	3834	0.07%	0.018%

					rteres			
37	5.459	5.444	5.492	VV	475	8488	0.16%	0.040%
38	5.501	5.492	5.510	VV	673	4419	0.08%	0.021%
39	5.514	5.510	5.517	VV	328	1233	0.02%	0.006%
40	5.541	5.517	5.564	VV	859	11443	0.21%	0.054%
41	5.567	5.564	5.582	VV	251	1399	0.03%	0.007%
42	5.600	5.582	5.605	VV	413	3480	0.07%	0.016%
43	5.656	5.605	5.708	VV	487	19150	0.36%	0.090%
44	5.738	5.708	5.783	VV	512	12033	0.23%	0.056%
45	5.810	5.783	5.822	VV	478	7155	0.13%	0.033%
46	5.855	5.822	5.885	VV	473	10945	0.21%	0.051%
47	5.910	5.885	5.920	PV	370	4746	0.09%	0.022%
48	5.942	5.920	5.968	VV	499	11190	0.21%	0.052%
49	5.987	5.968	6.007	VV	717	10380	0.19%	0.049%
50	6.050	6.007	6.084	VV	1377	25549	0.48%	0.119%
51	6.098	6.084	6.155	VV	510	13106	0.25%	0.061%
52	6.171	6.155	6.182	VV	340	4362	0.08%	0.020%
53	6.200	6.182	6.239	VV	562	11658	0.22%	0.055%
54	6.267	6.239	6.284	VV	342	6859	0.13%	0.032%
55	6.297	6.284	6.307	VV	467	4118	0.08%	0.019%
56	6.326	6.307	6.348	VV	1147	13792	0.26%	0.065%
57	6.364	6.348	6.377	VV	349	4429	0.08%	0.021%
58	6.384	6.377	6.414	VV	322	5245	0.10%	0.025%
59	6.419	6.414	6.427	VV	254	1817	0.03%	0.008%
60	6.447	6.427	6.460	VV	323	5201	0.10%	0.024%
61	6.479	6.460	6.500	VV	1431	16829	0.32%	0.079%
62	6.519	6.500	6.555	VV	555	11922	0.22%	0.056%
63	6.566	6.555	6.579	VV	320	3640	0.07%	0.017%
64	6.599	6.579	6.612	VV	407	5927	0.11%	0.028%
65	6.628	6.612	6.682	VV	555	9713	0.18%	0.045%
66	6.702	6.682	6.730	VV	338	5864	0.11%	0.027%
67	6.739	6.730	6.773	VV	317	4948	0.09%	0.023%
68	6.802	6.773	6.837	PV	460	11470	0.22%	0.054%
69	6.857	6.837	6.897	VV	505	11370	0.21%	0.053%
70	6.921	6.897	6.955	VV	420	10501	0.20%	0.049%
71	6.976	6.955	7.007	VV	625	13905	0.26%	0.065%
72	7.035	7.007	7.069	VV	570	12953	0.24%	0.061%
73	7.101	7.069	7.139	PV	867	17873	0.34%	0.084%
74	7.151	7.139	7.167	VV	234	3453	0.06%	0.016%
75	7.183	7.167	7.197	VV	238	3697	0.07%	0.017%
76	7.209	7.197	7.230	VV	311	3816	0.07%	0.018%
77	7.263	7.230	7.300	VV	1144	18488	0.35%	0.086%
78	7.317	7.300	7.349	VV	344	7738	0.15%	0.036%
79	7.369	7.349	7.380	VV	265	4387	0.08%	0.021%
80	7.402	7.380	7.430	VV	801	10207	0.19%	0.048%
81	7.466	7.445	7.482	PV	501	6051	0.11%	0.028%
82	7.489	7.482	7.547	VV	406	8087	0.15%	0.038%
83	7.564	7.547	7.594	VV	481	6141	0.12%	0.029%
84	7.634	7.594	7.643	VV	548	9117	0.17%	0.043%
85	7.663	7.643	7.684	VV	682	11404	0.21%	0.053%
86	7.715	7.684	7.787	VV	555314	5212723	97.88%	24.380%
87	7.808	7.787	7.848	VV	812	21008	0.39%	0.098%
88	7.860	7.848	7.910	VV	384	9483	0.18%	0.044%
89	7.935	7.910	7.947	VV	386	5585	0.10%	0.026%

					rteres			
90	7.968	7.947	7.992	VV	617	10800	0.20%	0.051%
91	8.024	7.992	8.037	VV	481	9690	0.18%	0.045%
92	8.050	8.037	8.085	VV	400	9739	0.18%	0.046%
93	8.110	8.085	8.128	VV	466	9555	0.18%	0.045%
94	8.170	8.128	8.209	VV	736	21733	0.41%	0.102%
95	8.270	8.209	8.319	VV	1735	33899	0.64%	0.159%
96	8.361	8.319	8.407	VV	426	16500	0.31%	0.077%
97	8.414	8.407	8.444	VV	409	6485	0.12%	0.030%
98	8.476	8.444	8.484	VV	336	6394	0.12%	0.030%
99	8.507	8.484	8.535	VV	613	10618	0.20%	0.050%
100	8.580	8.535	8.622	VV	366335	3616680	67.91%	16.915%
101	8.633	8.622	8.668	VV	1207	19215	0.36%	0.090%
102	8.685	8.668	8.709	VV	487	9142	0.17%	0.043%
103	8.735	8.709	8.746	VV	619	10085	0.19%	0.047%
104	8.760	8.746	8.773	VV	533	7528	0.14%	0.035%
105	8.781	8.773	8.795	VV	551	6044	0.11%	0.028%
106	8.825	8.795	8.850	VV	718	17769	0.33%	0.083%
107	8.868	8.850	8.906	VV	898	20555	0.39%	0.096%
108	8.990	8.906	9.057	VV	38613	448747	8.43%	2.099%
109	9.072	9.057	9.095	VV	1447	20291	0.38%	0.095%
110	9.109	9.095	9.125	VV	992	13803	0.26%	0.065%
111	9.143	9.125	9.163	VV	1245	16890	0.32%	0.079%
112	9.180	9.163	9.205	VV	571	8878	0.17%	0.042%
113	9.231	9.205	9.248	VV	427	8820	0.17%	0.041%
114	9.277	9.248	9.301	VV	893	17440	0.33%	0.082%
115	9.312	9.301	9.340	VV	554	8450	0.16%	0.040%
116	9.373	9.340	9.389	VV	649	11482	0.22%	0.054%
117	9.391	9.389	9.408	VV	490	4214	0.08%	0.020%
118	9.457	9.408	9.494	VV	743	20923	0.39%	0.098%
119	9.503	9.494	9.524	VV	377	5407	0.10%	0.025%
120	9.532	9.524	9.578	VV	374	11497	0.22%	0.054%
121	9.601	9.578	9.632	VV	559	12384	0.23%	0.058%
122	9.643	9.632	9.672	VV	737	10435	0.20%	0.049%
123	9.704	9.672	9.712	VV	904	12798	0.24%	0.060%
124	9.734	9.712	9.764	VV	29129	293953	5.52%	1.375%
125	9.796	9.764	9.837	VV	678	17271	0.32%	0.081%
126	9.866	9.837	9.915	VV	683	15036	0.28%	0.070%
127	9.941	9.915	9.960	PV	403	7434	0.14%	0.035%
128	9.963	9.960	10.002	VV	535	7186	0.13%	0.034%
129	10.016	10.002	10.064	VV	436	10607	0.20%	0.050%
130	10.075	10.064	10.084	VV	424	3782	0.07%	0.018%
131	10.095	10.084	10.130	VV	407	6943	0.13%	0.032%
132	10.143	10.130	10.167	VV	441	5466	0.10%	0.026%
133	10.201	10.167	10.245	VV	424	14631	0.27%	0.068%
134	10.251	10.245	10.275	VV	401	5664	0.11%	0.026%
135	10.287	10.275	10.315	VV	605	11888	0.22%	0.056%
136	10.324	10.315	10.342	VV	555	6349	0.12%	0.030%
137	10.353	10.342	10.370	VV	336	5133	0.10%	0.024%
138	10.388	10.370	10.413	VV	715	10880	0.20%	0.051%
139	10.423	10.413	10.433	VV	455	4064	0.08%	0.019%
140	10.488	10.433	10.541	VV	810	28862	0.54%	0.135%
141	10.558	10.541	10.565	VV	628	6674	0.13%	0.031%

					rteres			
142	10.584	10.565	10.642	VV	852	23312	0.44%	0.109%
143	10.698	10.642	10.717	VV	994	21596	0.41%	0.101%
144	10.735	10.717	10.769	VV	591	11302	0.21%	0.053%
145	10.788	10.769	10.812	VV	483	10816	0.20%	0.051%
146	10.826	10.812	10.835	VV	361	4908	0.09%	0.023%
147	10.854	10.835	10.879	VV	879	12945	0.24%	0.061%
148	10.930	10.879	10.957	VV	582	16882	0.32%	0.079%
149	10.969	10.957	10.997	VV	449	7368	0.14%	0.034%
150	11.024	10.997	11.091	VV	475	14784	0.28%	0.069%
151	11.107	11.091	11.133	VV	270	4934	0.09%	0.023%
152	11.150	11.133	11.184	VV	451	8556	0.16%	0.040%
153	11.197	11.184	11.208	VV	276	3270	0.06%	0.015%
154	11.236	11.208	11.259	VV	612	8661	0.16%	0.041%
155	11.270	11.259	11.289	VV	428	5605	0.11%	0.026%
156	11.304	11.289	11.341	VV	816	10648	0.20%	0.050%
157	11.380	11.341	11.411	PV	947	16706	0.31%	0.078%
158	11.419	11.411	11.426	VV	273	2219	0.04%	0.010%
159	11.439	11.426	11.450	VV	353	3922	0.07%	0.018%
160	11.464	11.450	11.478	VV	617	6067	0.11%	0.028%
161	11.499	11.478	11.532	VV	518	9415	0.18%	0.044%
162	11.545	11.532	11.589	VV	293	5405	0.10%	0.025%
163	11.627	11.589	11.685	VV	498201	5325849	100.00%	24.909%
164	11.717	11.685	11.747	VV	887	18592	0.35%	0.087%
165	11.787	11.747	11.812	VV	724	15778	0.30%	0.074%
166	11.848	11.812	11.874	VV	434	6939	0.13%	0.032%
167	11.884	11.874	11.890	VV	232	1309	0.02%	0.006%
168	11.906	11.890	11.919	VV	309	3382	0.06%	0.016%
169	11.949	11.919	11.960	VV	586	9290	0.17%	0.043%
170	11.967	11.960	11.987	VV	487	5536	0.10%	0.026%
171	12.023	11.987	12.047	VV	4420	54864	1.03%	0.257%
172	12.067	12.047	12.099	VV	902	16912	0.32%	0.079%
173	12.124	12.099	12.159	VV	1263	22763	0.43%	0.106%
174	12.173	12.159	12.184	VV	419	5707	0.11%	0.027%
175	12.211	12.184	12.292	VV	7604	107742	2.02%	0.504%
176	12.302	12.292	12.322	VV	403	6291	0.12%	0.029%
177	12.343	12.322	12.361	VV	536	10422	0.20%	0.049%
178	12.378	12.361	12.402	VV	440	10280	0.19%	0.048%
179	12.410	12.402	12.420	VV	527	4305	0.08%	0.020%
180	12.428	12.420	12.439	VV	412	4168	0.08%	0.019%
181	12.473	12.439	12.497	VV	1107	20395	0.38%	0.095%
182	12.513	12.497	12.521	VV	359	2958	0.06%	0.014%
183	12.549	12.521	12.576	VV	818	13517	0.25%	0.063%
184	12.610	12.576	12.637	VV	1082	16375	0.31%	0.077%
185	12.671	12.637	12.718	VV	1418	31679	0.59%	0.148%
186	12.739	12.718	12.754	VV	516	7808	0.15%	0.037%
187	12.763	12.754	12.825	VV	314	9356	0.18%	0.044%
188	12.865	12.825	12.894	PV	440	9537	0.18%	0.045%
189	12.905	12.894	12.921	VV	374	3890	0.07%	0.018%
190	12.967	12.921	12.992	VV	1192	21097	0.40%	0.099%
191	13.009	12.992	13.025	VV	1490	19447	0.37%	0.091%
192	13.055	13.025	13.087	VV	77076	895647	16.82%	4.189%
193	13.098	13.087	13.122	VV	381	7148	0.13%	0.033%
194	13.131	13.122	13.142	VV	475	3652	0.07%	0.017%

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195	13.170	13.142	13.200	VV	731	15670	0.29%	0.073%
196	13.234	13.200	13.252	VV	950	18581	0.35%	0.087%
197	13.276	13.252	13.376	VV	2889	72209	1.36%	0.338%
198	13.385	13.376	13.409	VV	449	7687	0.14%	0.036%
199	13.443	13.409	13.514	VV	4227	75746	1.42%	0.354%
200	13.555	13.514	13.604	VV	472	18820	0.35%	0.088%
201	13.625	13.604	13.645	VV	650	11381	0.21%	0.053%
202	13.671	13.645	13.699	VV	719	14171	0.27%	0.066%
203	13.705	13.699	13.717	VV	377	2786	0.05%	0.013%
204	13.756	13.717	13.787	VV	1783	31807	0.60%	0.149%
205	13.806	13.787	13.850	VV	1105	20703	0.39%	0.097%
206	13.869	13.850	13.892	VV	366	6212	0.12%	0.029%
207	13.898	13.892	13.914	VV	225	2501	0.05%	0.012%
208	13.925	13.914	13.949	VV	334	5202	0.10%	0.024%
209	13.957	13.949	13.970	VV	363	3274	0.06%	0.015%
210	13.977	13.970	13.992	VV	215	3006	0.06%	0.014%
211	13.999	13.992	14.019	VV	259	3405	0.06%	0.016%
212	14.054	14.019	14.082	VV	413	11268	0.21%	0.053%
213	14.089	14.082	14.130	VV	287	6593	0.12%	0.031%
214	14.190	14.130	14.213	VV	1419	27976	0.53%	0.131%
215	14.238	14.213	14.269	VV	1342	25680	0.48%	0.120%
216	14.279	14.269	14.352	VV	670	18953	0.36%	0.089%
217	14.364	14.352	14.386	VV	710	10017	0.19%	0.047%
218	14.398	14.386	14.430	VV	470	8544	0.16%	0.040%
219	14.477	14.430	14.502	VV	565	17304	0.32%	0.081%
220	14.532	14.502	14.565	VV	1028	22311	0.42%	0.104%
221	14.601	14.565	14.632	VV	623	17895	0.34%	0.084%
222	14.645	14.632	14.667	VV	458	7923	0.15%	0.037%
223	14.685	14.667	14.714	VV	511	11059	0.21%	0.052%
224	14.743	14.714	14.775	VV	585	15240	0.29%	0.071%
225	14.794	14.775	14.808	VV	444	6847	0.13%	0.032%
226	14.836	14.808	14.845	VV	949	14299	0.27%	0.067%
227	14.874	14.845	14.891	VV	1547	32379	0.61%	0.151%
228	14.904	14.891	14.925	VV	1154	16170	0.30%	0.076%
229	14.949	14.925	14.973	VV	866	14964	0.28%	0.070%
230	15.002	14.973	15.046	VV	604	15231	0.29%	0.071%
231	15.073	15.046	15.116	VV	541	15509	0.29%	0.073%
232	15.125	15.116	15.169	VV	481	8265	0.16%	0.039%
233	15.194	15.169	15.201	VV	407	6219	0.12%	0.029%
234	15.216	15.201	15.241	VV	504	8847	0.17%	0.041%
235	15.279	15.241	15.309	VV	14606	194966	3.66%	0.912%
236	15.319	15.309	15.376	VV	998	29956	0.56%	0.140%
237	15.383	15.376	15.397	VV	689	7295	0.14%	0.034%
238	15.442	15.397	15.534	VV	2430	66778	1.25%	0.312%
239	15.555	15.534	15.569	VV	487	7851	0.15%	0.037%
240	15.581	15.569	15.600	VV	436	8219	0.15%	0.038%
241	15.641	15.600	15.650	VV	706	16260	0.31%	0.076%
242	15.665	15.650	15.689	VV	685	14355	0.27%	0.067%
243	15.695	15.689	15.713	VV	721	10176	0.19%	0.048%
244	15.729	15.713	15.775	VV	853	24267	0.46%	0.113%
245	15.793	15.775	15.813	VV	1153	17603	0.33%	0.082%
246	15.824	15.813	15.847	VV	643	10145	0.19%	0.047%

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247	15.856	15.847	15.863	VV	574	5281	0.10%	0.025%
248	15.886	15.863	15.902	VV	881	15998	0.30%	0.075%
249	15.924	15.902	15.959	VV	1498	32066	0.60%	0.150%
250	15.981	15.959	16.021	VV	1042	28181	0.53%	0.132%
251	16.033	16.021	16.043	VV	592	7348	0.14%	0.034%
252	16.072	16.043	16.097	VV	908	23513	0.44%	0.110%
253	16.105	16.097	16.117	VV	692	7378	0.14%	0.035%
254	16.124	16.117	16.144	VV	726	10340	0.19%	0.048%
255	16.154	16.144	16.170	VV	657	9415	0.18%	0.044%
256	16.177	16.170	16.202	VV	678	10893	0.20%	0.051%
257	16.214	16.202	16.226	VV	726	9867	0.19%	0.046%
258	16.237	16.226	16.250	VV	746	9575	0.18%	0.045%
259	16.289	16.250	16.368	VV	3402	87236	1.64%	0.408%
260	16.404	16.368	16.445	VV	1558	50036	0.94%	0.234%
261	16.484	16.445	16.507	VV	1384	35620	0.67%	0.167%
262	16.537	16.507	16.560	VV	1245	32860	0.62%	0.154%
263	16.577	16.560	16.589	VV	1065	16408	0.31%	0.077%
264	16.601	16.589	16.634	VV	1104	25460	0.48%	0.119%
265	16.637	16.634	16.660	VV	881	12866	0.24%	0.060%
266	16.707	16.660	16.732	VV	1086	38167	0.72%	0.179%
267	16.769	16.732	16.793	VV	1840	45596	0.86%	0.213%
268	16.801	16.793	16.814	VV	1212	12903	0.24%	0.060%
269	16.839	16.814	16.847	VV	1269	21557	0.40%	0.101%
270	16.871	16.847	16.894	VV	2424	45140	0.85%	0.211%
271	16.920	16.894	16.985	VV	3706	95393	1.79%	0.446%
272	17.008	16.985	17.035	VV	1146	29674	0.56%	0.139%
273	17.055	17.035	17.090	VV	1104	30351	0.57%	0.142%
274	17.101	17.090	17.112	VV	1054	12714	0.24%	0.059%
275	17.228	17.112	17.259	VV	3717	140652	2.64%	0.658%
276	17.270	17.259	17.284	VV	1491	21663	0.41%	0.101%
277	17.319	17.284	17.364	VV	3742	93081	1.75%	0.435%
278	17.402	17.364	17.410	VV	1470	38871	0.73%	0.182%
279	17.420	17.410	17.455	VV	1539	36513	0.69%	0.171%
280	17.473	17.455	17.487	VV	1434	24830	0.47%	0.116%
281	17.490	17.487	17.519	VV	1398	24442	0.46%	0.114%
282	17.547	17.519	17.570	VV	1640	43545	0.82%	0.204%
283	17.590	17.570	17.605	VV	1421	29388	0.55%	0.137%
284	17.619	17.605	17.637	VV	1575	27745	0.52%	0.130%
285	17.675	17.637	17.710	VV	1888	73772	1.39%	0.345%
286	17.755	17.710	17.782	VV	4375	107051	2.01%	0.501%
287	17.845	17.782	17.906	VV	3356	160321	3.01%	0.750%
288	17.915	17.906	17.925	VV	1896	20784	0.39%	0.097%
289	17.931	17.925	17.942	VV	1803	17760	0.33%	0.083%
290	17.970	17.942	17.987	VV	2697	60930	1.14%	0.285%
291	18.007	17.987	18.059	VV	2511	94497	1.77%	0.442%
292	18.107	18.059	18.149	VV	12569	272396	5.11%	1.274%
293	18.176	18.149	18.210	VV	6421	138624	2.60%	0.648%
294	18.266	18.210	18.317	VV	3390	156772	2.94%	0.733%
295	18.330	18.317	18.339	VV	2197	27116	0.51%	0.127%
296	18.380	18.339	18.417	VV	2840	108964	2.05%	0.510%
297	18.438	18.417	18.460	VV	2527	62574	1.17%	0.293%
298	18.465	18.460	18.500	VBA	2575	58415	1.10%	0.273%

Sum of corrected areas: 21381518

rteres

Aromatic EPH 081125.M Mon Aug 25 03:54:36 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	3-FLOOR-NORTH-D	SDG No.:	Q2892
Lab Sample ID:	Q2892-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
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
08/21/25 11:00	08/25/25 13:12	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.18	J	1	0.15	1.07	mg/kg	FC069722.D
Aliphatic C12-C16	Aliphatic C12-C16	0.33	J	1	0.12	0.72	mg/kg	FC069722.D
Aliphatic C16-C21	Aliphatic C16-C21	0.29	J	1	0.14	1.07	mg/kg	FC069722.D
Aliphatic C21-C28	Aliphatic C21-C28	0.57	U	1	0.57	1.43	mg/kg	FC069722.D
Aliphatic C28-C40	Aliphatic C28-C40	1.63	J	1	1.27	2.14	mg/kg	FC069722.D
Aromatic C10-C12	Aromatic C10-C12	0.27	J	1	0.13	0.72	mg/kg	FD049662.D
Aromatic C12-C16	Aromatic C12-C16	0.46	J	1	0.25	1.07	mg/kg	FD049662.D
Aromatic C16-C21	Aromatic C16-C21	1.66	J	1	0.43	1.79	mg/kg	FD049662.D
Aromatic C21-C36	Aromatic C21-C36	1.28	U	1	1.28	2.86	mg/kg	FD049662.D
Total AliphaticEPH	Total AliphaticEPH	2.42	J		2.25	6.42	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.39	J		2.08	6.43	mg/kg	
Total EPH	Total EPH	4.81	J		4.33	12.9	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	3-FLOOR-NORTH-D	SDG No.:	Q2892
Lab Sample ID:	Q2892-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
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
FC069722.D	1	08/21/25	08/25/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.18	J	0.15	1.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.33	J	0.12	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.29	J	0.14	1.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.57	U	0.57	1.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.63	J	1.27	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		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:	Q2892-07	Acq On:	25 Aug 2025 13:12
Client Sample ID:	3-FLOOR-NORTH-D	Operator:	YP/AJ
Data file:	FC069722.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	359352	2.484	300	ug/ml
Aliphatic C12-C16	6.595	9.997	663791	4.628	200	ug/ml
Aliphatic C16-C21	9.998	13.365	535172	4.007	300	ug/ml
Aliphatic C21-C28	13.366	17.031	553583	4.679	400	ug/ml
Aliphatic C28-C40	17.032	22.006	2178536	22.856	600	ug/ml
Aliphatic EPH	3.297	22.006	4290434	38.654		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3644663	33.43		ug/ml
Aliphatic C9-C28	3.297	17.031	2111898	15.798	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069722.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 13:12
Operator : YP/AJ
Sample : Q2892-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
3-FLOOR-NORTH-D

Integration File: sample.E
Quant Time: Aug 26 02:10:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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...	13.100	3644663	33.430 ug/ml
Spiked Amount 50.000		Recovery =	66.86%

Target Compounds

(f)=RT Delta > 1/2 Window

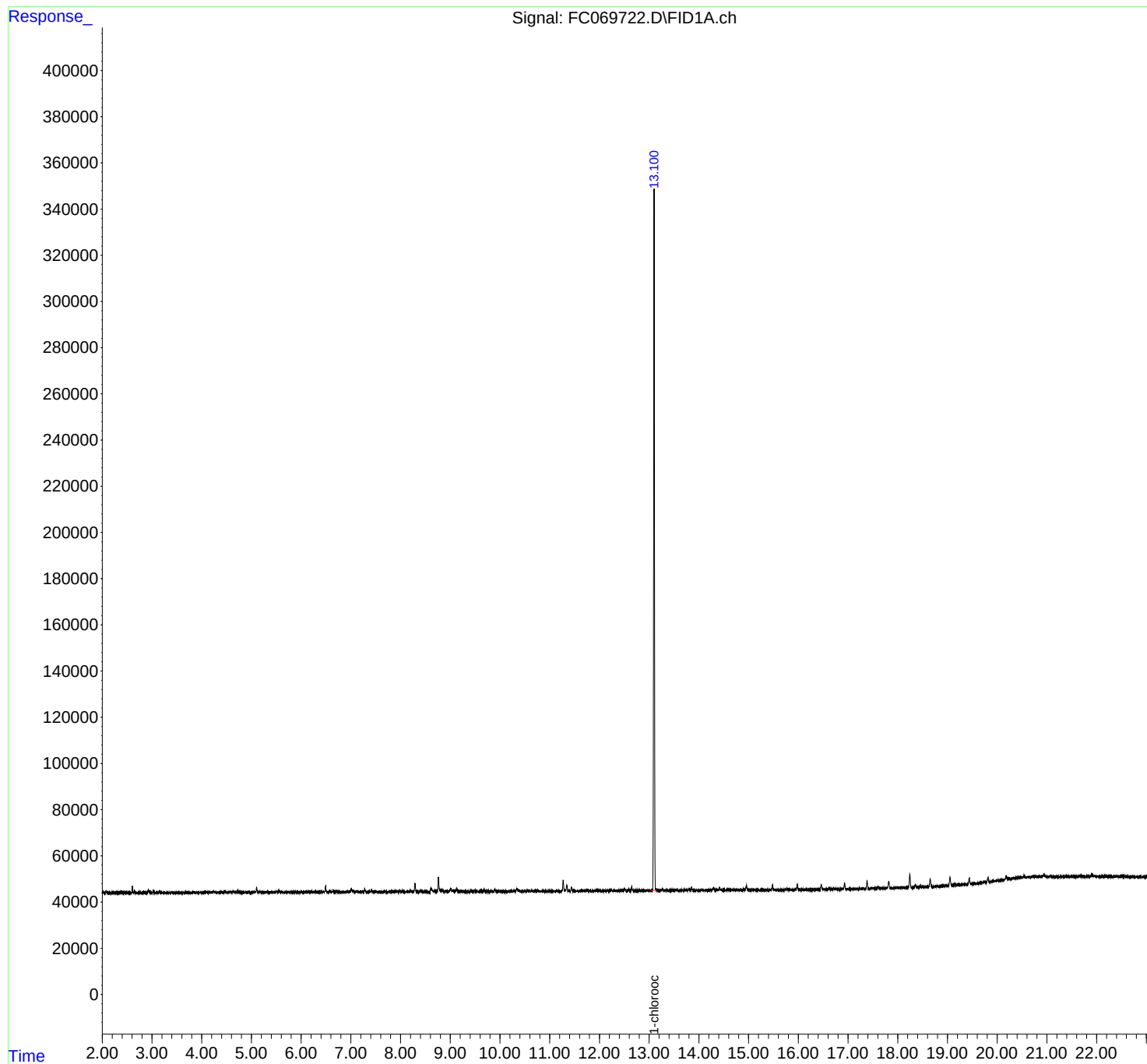
(m)=manual int.

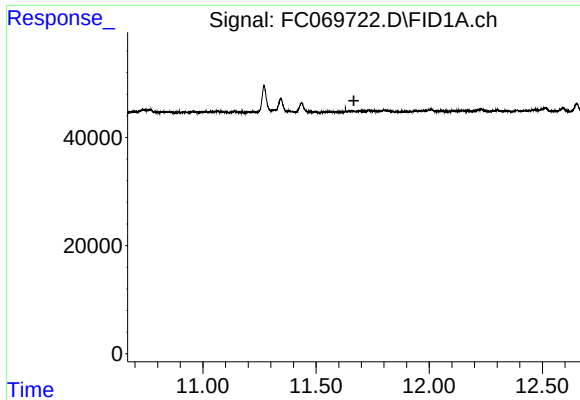
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069722.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 13:12
Operator : YP/AJ
Sample : Q2892-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
3-FLOOR-NORTH-D

Integration File: sample.E
Quant Time: Aug 26 02:10:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

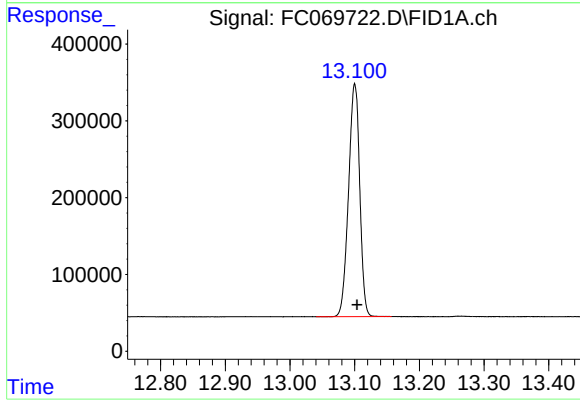




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
3-FLOOR-NORTH-D



#12 1-chlorooctadecane (SURR)

R.T.: 13.100 min
Delta R.T.: -0.003 min
Response: 3644663
Conc: 33.43 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069722.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 13:12
 Sample : Q2892-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.248	3.205	3.288	BV	74	2514	0.07%	0.032%
2	3.319	3.288	3.335	VV	62	929	0.03%	0.012%
3	3.342	3.335	3.368	VV	70	725	0.02%	0.009%
4	3.400	3.368	3.491	PV	389	6032	0.16%	0.076%
5	3.503	3.491	3.517	VV	93	1084	0.03%	0.014%
6	3.535	3.517	3.565	VV	103	1569	0.04%	0.020%
7	3.601	3.565	3.653	PV	96	2322	0.06%	0.029%
8	3.672	3.653	3.715	VV	134	3802	0.10%	0.048%
9	3.722	3.715	3.757	VV	170	2300	0.06%	0.029%
10	3.772	3.757	3.811	VV	237	3612	0.10%	0.045%
11	3.819	3.811	3.866	VV	82	2016	0.05%	0.025%
12	3.897	3.866	3.915	VV	211	3442	0.09%	0.043%
13	3.918	3.915	3.933	VV	179	1137	0.03%	0.014%
14	3.944	3.933	3.964	VV	144	1692	0.05%	0.021%
15	3.979	3.964	4.017	VV	208	3349	0.09%	0.042%
16	4.071	4.017	4.082	VV	385	5310	0.14%	0.067%
17	4.097	4.082	4.131	VV	581	8058	0.22%	0.101%
18	4.162	4.131	4.187	VV	191	4259	0.12%	0.053%
19	4.243	4.187	4.285	VV	539	12568	0.34%	0.158%
20	4.311	4.285	4.352	VV	216	4380	0.12%	0.055%
21	4.362	4.352	4.368	VV	98	890	0.02%	0.011%
22	4.470	4.368	4.501	VV	690	16975	0.46%	0.213%
23	4.515	4.501	4.548	VV	244	5278	0.14%	0.066%
24	4.580	4.548	4.598	VV	283	7148	0.19%	0.090%
25	4.638	4.598	4.661	VV	755	12054	0.33%	0.151%
26	4.694	4.661	4.708	VV	493	7238	0.20%	0.091%
27	4.724	4.708	4.751	VV	926	9958	0.27%	0.125%
28	4.756	4.751	4.855	VV	179	7293	0.20%	0.091%
29	4.859	4.855	4.885	VV	177	2334	0.06%	0.029%
30	4.901	4.885	4.937	VV	142	2858	0.08%	0.036%
31	4.951	4.937	4.985	VV	147	2039	0.06%	0.026%
32	4.996	4.985	5.007	VV	105	1036	0.03%	0.013%
33	5.045	5.007	5.061	VV	410	7407	0.20%	0.093%
34	5.104	5.061	5.139	VV	2308	32598	0.89%	0.409%
35	5.162	5.139	5.181	VV	553	7504	0.20%	0.094%
36	5.204	5.181	5.252	VV	196	5747	0.16%	0.072%

					rteres			
37	5.298	5.252	5.312	VV	173	4363	0.12%	0.055%
38	5.333	5.312	5.378	VV	233	6179	0.17%	0.077%
39	5.400	5.378	5.437	VV	166	4786	0.13%	0.060%
40	5.474	5.437	5.485	VV	217	4198	0.11%	0.053%
41	5.509	5.485	5.528	VV	573	7715	0.21%	0.097%
42	5.551	5.528	5.595	VV	982	12992	0.35%	0.163%
43	5.609	5.595	5.651	VV	290	5475	0.15%	0.069%
44	5.671	5.651	5.681	VV	217	2809	0.08%	0.035%
45	5.693	5.681	5.770	VV	254	6117	0.17%	0.077%
46	5.801	5.770	5.828	VV	190	4395	0.12%	0.055%
47	5.852	5.828	5.937	VV	176	6488	0.18%	0.081%
48	5.975	5.937	5.988	VV	180	3324	0.09%	0.042%
49	5.999	5.988	6.043	VV	139	3640	0.10%	0.046%
50	6.067	6.043	6.095	VV	356	6727	0.18%	0.084%
51	6.109	6.095	6.130	VV	272	4297	0.12%	0.054%
52	6.151	6.130	6.188	VV	389	7271	0.20%	0.091%
53	6.211	6.188	6.244	VV	392	7033	0.19%	0.088%
54	6.283	6.244	6.411	VV	264	18936	0.51%	0.237%
55	6.439	6.411	6.464	VV	176	4754	0.13%	0.060%
56	6.493	6.464	6.558	VV	2468	35024	0.95%	0.439%
57	6.577	6.558	6.595	VV	409	5886	0.16%	0.074%
58	6.612	6.595	6.625	VV	286	3712	0.10%	0.047%
59	6.643	6.625	6.661	VV	660	8105	0.22%	0.102%
60	6.674	6.661	6.695	VV	252	3666	0.10%	0.046%
61	6.714	6.695	6.747	VV	349	5149	0.14%	0.065%
62	6.771	6.747	6.800	VV	175	3022	0.08%	0.038%
63	6.825	6.800	6.845	VV	156	2473	0.07%	0.031%
64	6.858	6.845	6.884	VV	143	2237	0.06%	0.028%
65	6.895	6.884	6.917	VV	172	2028	0.06%	0.025%
66	6.936	6.917	6.960	VV	428	5766	0.16%	0.072%
67	7.009	6.960	7.084	VV	1620	40650	1.11%	0.510%
68	7.117	7.084	7.166	VV	713	14259	0.39%	0.179%
69	7.226	7.166	7.251	VV	190	5707	0.16%	0.072%
70	7.278	7.251	7.318	VV	1485	18983	0.52%	0.238%
71	7.340	7.318	7.350	VV	224	3342	0.09%	0.042%
72	7.359	7.350	7.372	VV	232	2333	0.06%	0.029%
73	7.384	7.372	7.395	VV	296	2777	0.08%	0.035%
74	7.418	7.395	7.461	VV	1278	17550	0.48%	0.220%
75	7.484	7.461	7.497	VV	289	4055	0.11%	0.051%
76	7.509	7.497	7.545	VV	324	4354	0.12%	0.055%
77	7.588	7.545	7.650	VV	168	5050	0.14%	0.063%
78	7.681	7.650	7.718	VV	568	7243	0.20%	0.091%
79	7.736	7.718	7.746	VV	127	1384	0.04%	0.017%
80	7.765	7.746	7.801	VV	187	4679	0.13%	0.059%
81	7.821	7.801	7.842	VV	191	3586	0.10%	0.045%
82	7.850	7.842	7.895	VV	188	4523	0.12%	0.057%
83	7.910	7.895	7.964	VV	251	5804	0.16%	0.073%
84	7.986	7.964	8.021	PV	743	8691	0.24%	0.109%
85	8.044	8.021	8.065	VV	562	6404	0.17%	0.080%
86	8.081	8.065	8.098	VV	199	2631	0.07%	0.033%
87	8.143	8.098	8.161	VV	261	7357	0.20%	0.092%
88	8.197	8.161	8.261	VV	814	21881	0.59%	0.274%
89	8.292	8.261	8.368	VV	3649	51113	1.39%	0.641%

					rteres			
90	8.389	8.368	8.433	VV	394	10803	0.29%	0.135%
91	8.443	8.433	8.464	VV	295	3149	0.09%	0.039%
92	8.486	8.464	8.507	VV	231	3992	0.11%	0.050%
93	8.526	8.507	8.555	VV	323	4280	0.12%	0.054%
94	8.611	8.555	8.684	VV	1971	43932	1.19%	0.551%
95	8.697	8.684	8.728	VV	235	6058	0.16%	0.076%
96	8.762	8.728	8.817	VV	6418	97180	2.64%	1.219%
97	8.830	8.817	8.879	VV	741	18456	0.50%	0.231%
98	8.895	8.879	8.927	VV	306	5060	0.14%	0.063%
99	8.949	8.927	8.958	VV	262	3666	0.10%	0.046%
100	9.011	8.958	9.037	VV	1613	34258	0.93%	0.430%
101	9.052	9.037	9.090	VV	684	13600	0.37%	0.171%
102	9.132	9.090	9.164	VV	1261	25350	0.69%	0.318%
103	9.203	9.164	9.234	VV	368	7949	0.22%	0.100%
104	9.254	9.234	9.281	VV	294	4362	0.12%	0.055%
105	9.297	9.281	9.325	VV	195	3422	0.09%	0.043%
106	9.353	9.325	9.385	VV	207	4983	0.14%	0.062%
107	9.414	9.385	9.463	VV	500	11088	0.30%	0.139%
108	9.485	9.463	9.520	VV	691	12112	0.33%	0.152%
109	9.535	9.520	9.560	VV	340	5182	0.14%	0.065%
110	9.576	9.560	9.600	VV	189	3641	0.10%	0.046%
111	9.624	9.600	9.650	VV	480	7762	0.21%	0.097%
112	9.675	9.650	9.709	VV	1045	13450	0.37%	0.169%
113	9.734	9.709	9.745	VV	166	2430	0.07%	0.030%
114	9.767	9.745	9.794	VV	129	2761	0.08%	0.035%
115	9.817	9.794	9.871	VV	332	8847	0.24%	0.111%
116	9.896	9.871	9.947	VV	1147	17750	0.48%	0.223%
117	9.967	9.947	10.016	VV	263	7754	0.21%	0.097%
118	10.026	10.016	10.041	VV	122	1616	0.04%	0.020%
119	10.052	10.041	10.061	VV	149	1569	0.04%	0.020%
120	10.070	10.061	10.098	VV	143	1629	0.04%	0.020%
121	10.106	10.098	10.132	PV	99	1230	0.03%	0.015%
122	10.153	10.132	10.161	VV	115	1174	0.03%	0.015%
123	10.175	10.161	10.191	VV	186	2193	0.06%	0.027%
124	10.216	10.191	10.256	VV	224	6790	0.18%	0.085%
125	10.288	10.256	10.311	VV	457	8294	0.23%	0.104%
126	10.337	10.311	10.441	VV	1416	37554	1.02%	0.471%
127	10.447	10.441	10.465	VV	178	1965	0.05%	0.025%
128	10.500	10.465	10.511	VV	290	5489	0.15%	0.069%
129	10.536	10.511	10.550	VV	307	5747	0.16%	0.072%
130	10.574	10.550	10.601	VV	390	9449	0.26%	0.118%
131	10.635	10.601	10.671	VV	507	13323	0.36%	0.167%
132	10.692	10.671	10.713	VV	311	5932	0.16%	0.074%
133	10.736	10.713	10.750	VV	629	11102	0.30%	0.139%
134	10.765	10.750	10.795	VV	641	10649	0.29%	0.134%
135	10.824	10.795	10.838	VV	196	4348	0.12%	0.055%
136	10.853	10.838	10.880	VV	251	3716	0.10%	0.047%
137	10.896	10.880	10.933	PV	150	3521	0.10%	0.044%
138	10.963	10.933	10.985	VV	229	5305	0.14%	0.067%
139	11.004	10.985	11.024	VV	226	4209	0.11%	0.053%
140	11.063	11.024	11.116	VV	331	9940	0.27%	0.125%
141	11.139	11.116	11.165	VV	269	3774	0.10%	0.047%

					rteres			
142	11.270	11.165	11.302	VV	4883	73656	2.00%	0.924%
143	11.344	11.302	11.411	VV	2658	47478	1.29%	0.595%
144	11.436	11.411	11.484	VV	1800	26346	0.72%	0.330%
145	11.496	11.484	11.513	VV	151	1720	0.05%	0.022%
146	11.526	11.513	11.550	VV	105	1520	0.04%	0.019%
147	11.562	11.550	11.581	VV	189	2338	0.06%	0.029%
148	11.631	11.581	11.676	VV	417	9212	0.25%	0.116%
149	11.700	11.676	11.715	VV	238	4634	0.13%	0.058%
150	11.734	11.715	11.749	VV	389	6004	0.16%	0.075%
151	11.758	11.749	11.788	VV	355	6038	0.16%	0.076%
152	11.799	11.788	11.851	VV	401	9197	0.25%	0.115%
153	11.939	11.851	11.949	VV	259	8546	0.23%	0.107%
154	12.010	11.949	12.038	VV	494	15989	0.43%	0.201%
155	12.055	12.038	12.084	VV	270	5088	0.14%	0.064%
156	12.171	12.084	12.191	VV	299	12771	0.35%	0.160%
157	12.228	12.191	12.267	VV	588	13407	0.36%	0.168%
158	12.299	12.267	12.328	VV	308	7620	0.21%	0.096%
159	12.343	12.328	12.368	VV	223	3972	0.11%	0.050%
160	12.386	12.368	12.408	VV	323	5270	0.14%	0.066%
161	12.465	12.408	12.483	VV	439	12875	0.35%	0.161%
162	12.511	12.483	12.568	VV	771	17079	0.46%	0.214%
163	12.591	12.568	12.623	VV	769	11345	0.31%	0.142%
164	12.651	12.623	12.700	VV	1503	23326	0.63%	0.293%
165	12.711	12.700	12.751	VV	234	4478	0.12%	0.056%
166	12.770	12.751	12.837	VV	295	7463	0.20%	0.094%
167	12.848	12.837	12.868	VV	108	1597	0.04%	0.020%
168	12.878	12.868	12.888	VV	89	1013	0.03%	0.013%
169	12.938	12.888	12.955	VV	219	6232	0.17%	0.078%
170	12.968	12.955	12.995	VV	190	4096	0.11%	0.051%
171	13.019	12.995	13.031	VV	229	3863	0.11%	0.048%
172	13.100	13.031	13.241	VV	303349	3678140	100.00%	46.125%
173	13.262	13.241	13.305	VV	830	17007	0.46%	0.213%
174	13.318	13.305	13.329	VV	263	3474	0.09%	0.044%
175	13.374	13.329	13.421	VV	282	10812	0.29%	0.136%
176	13.466	13.421	13.505	VV	293	10883	0.30%	0.136%
177	13.538	13.505	13.581	VV	355	11791	0.32%	0.148%
178	13.613	13.581	13.632	VV	316	7365	0.20%	0.092%
179	13.654	13.632	13.680	VV	287	6559	0.18%	0.082%
180	13.706	13.680	13.745	VV	312	9089	0.25%	0.114%
181	13.761	13.745	13.772	VV	238	3565	0.10%	0.045%
182	13.801	13.772	13.824	VV	666	11786	0.32%	0.148%
183	13.852	13.824	13.885	VV	1656	25184	0.68%	0.316%
184	13.894	13.885	13.903	VV	249	2278	0.06%	0.029%
185	13.907	13.903	13.942	VV	205	3925	0.11%	0.049%
186	13.948	13.942	13.957	VV	201	1451	0.04%	0.018%
187	13.968	13.957	13.980	VV	184	2012	0.05%	0.025%
188	13.991	13.980	14.034	VV	169	4203	0.11%	0.053%
189	14.093	14.034	14.111	VV	302	10026	0.27%	0.126%
190	14.145	14.111	14.229	VV	285	14076	0.38%	0.177%
191	14.239	14.229	14.258	VV	201	2972	0.08%	0.037%
192	14.292	14.258	14.338	VV	1052	22007	0.60%	0.276%
193	14.344	14.338	14.354	VV	230	2073	0.06%	0.026%
194	14.364	14.354	14.375	VV	253	2843	0.08%	0.036%

					rteres			
195	14.416	14.375	14.460	VV	1239	23791	0.65%	0.298%
196	14.484	14.460	14.508	VV	240	5227	0.14%	0.066%
197	14.549	14.508	14.568	VV	285	8245	0.22%	0.103%
198	14.581	14.568	14.601	VV	307	4770	0.13%	0.060%
199	14.615	14.601	14.658	VV	230	6649	0.18%	0.083%
200	14.708	14.658	14.783	VV	340	16768	0.46%	0.210%
201	14.807	14.783	14.831	VV	243	4649	0.13%	0.058%
202	14.839	14.831	14.874	VV	173	3142	0.09%	0.039%
203	14.912	14.874	14.929	VV	536	8687	0.24%	0.109%
204	14.957	14.929	15.018	VV	2221	35599	0.97%	0.446%
205	15.030	15.018	15.051	VV	118	1854	0.05%	0.023%
206	15.054	15.051	15.069	VV	143	842	0.02%	0.011%
207	15.079	15.069	15.111	VV	107	2059	0.06%	0.026%
208	15.137	15.111	15.192	VV	349	7634	0.21%	0.096%
209	15.216	15.192	15.255	VV	152	3689	0.10%	0.046%
210	15.266	15.255	15.277	VV	133	1662	0.05%	0.021%
211	15.294	15.277	15.332	VV	209	4936	0.13%	0.062%
212	15.339	15.332	15.364	VV	167	2964	0.08%	0.037%
213	15.379	15.364	15.415	VV	205	4614	0.13%	0.058%
214	15.479	15.415	15.566	VV	2129	36668	1.00%	0.460%
215	15.590	15.566	15.600	VV	127	1786	0.05%	0.022%
216	15.677	15.600	15.728	PV	179	8915	0.24%	0.112%
217	15.771	15.728	15.841	VV	372	14932	0.41%	0.187%
218	15.849	15.841	15.872	VV	147	2472	0.07%	0.031%
219	15.881	15.872	15.889	VV	114	864	0.02%	0.011%
220	15.905	15.889	15.915	VV	172	1714	0.05%	0.021%
221	15.939	15.915	15.954	VV	308	5251	0.14%	0.066%
222	15.980	15.954	16.061	VV	2301	35957	0.98%	0.451%
223	16.096	16.061	16.104	VV	132	2085	0.06%	0.026%
224	16.112	16.104	16.138	VV	147	1689	0.05%	0.021%
225	16.153	16.138	16.163	VV	111	1464	0.04%	0.018%
226	16.176	16.163	16.228	VV	92	3156	0.09%	0.040%
227	16.233	16.228	16.245	VV	58	774	0.02%	0.010%
228	16.268	16.245	16.288	VV	155	2713	0.07%	0.034%
229	16.296	16.288	16.321	VV	162	2221	0.06%	0.028%
230	16.338	16.321	16.383	VV	153	3173	0.09%	0.040%
231	16.395	16.383	16.408	PV	125	776	0.02%	0.010%
232	16.463	16.408	16.491	VV	2286	32958	0.90%	0.413%
233	16.500	16.491	16.522	VV	216	2542	0.07%	0.032%
234	16.538	16.522	16.558	VV	136	1889	0.05%	0.024%
235	16.609	16.558	16.678	VV	452	15535	0.42%	0.195%
236	16.717	16.678	16.735	VV	323	7122	0.19%	0.089%
237	16.741	16.735	16.788	VV	301	6153	0.17%	0.077%
238	16.815	16.788	16.845	VV	199	4697	0.13%	0.059%
239	16.931	16.845	17.002	VV	2518	43396	1.18%	0.544%
240	17.075	17.002	17.095	PV	123	4584	0.12%	0.057%
241	17.166	17.095	17.174	VV	127	3395	0.09%	0.043%
242	17.214	17.174	17.246	VV	204	5091	0.14%	0.064%
243	17.262	17.246	17.308	VV	189	3589	0.10%	0.045%
244	17.383	17.308	17.433	VV	3372	53342	1.45%	0.669%
245	17.506	17.433	17.585	PV	432	13847	0.38%	0.174%
246	17.610	17.585	17.651	VV	724	12536	0.34%	0.157%

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247	17.664	17.651	17.686	VV	210	2574	0.07%	0.032%
248	17.707	17.686	17.741	VV	187	2401	0.07%	0.030%
249	17.820	17.741	17.881	VV	3105	48145	1.31%	0.604%
250	17.964	17.881	18.005	VV	146	6397	0.17%	0.080%
251	18.096	18.005	18.131	VV	202	6128	0.17%	0.077%
252	18.143	18.131	18.161	VV	145	1314	0.04%	0.016%
253	18.243	18.161	18.292	VV	5844	87280	2.37%	1.095%
254	18.355	18.292	18.415	PV	943	21593	0.59%	0.271%
255	18.426	18.415	18.433	VV	116	1023	0.03%	0.013%
256	18.458	18.433	18.478	VV	531	8098	0.22%	0.102%
257	18.508	18.478	18.532	VV	281	5637	0.15%	0.071%
258	18.573	18.532	18.585	VV	148	3737	0.10%	0.047%
259	18.653	18.585	18.738	VV	3504	58273	1.58%	0.731%
260	18.746	18.738	18.755	VV	78	460	0.01%	0.006%
261	18.796	18.755	18.831	VV	160	3741	0.10%	0.047%
262	18.856	18.831	18.869	PV	143	1950	0.05%	0.024%
263	18.913	18.869	18.935	VV	218	5205	0.14%	0.065%
264	18.981	18.935	19.001	VV	166	4499	0.12%	0.056%
265	19.052	19.001	19.118	PV	3775	61581	1.67%	0.772%
266	19.159	19.118	19.195	VV	439	13620	0.37%	0.171%
267	19.250	19.195	19.276	VV	334	12685	0.34%	0.159%
268	19.300	19.276	19.320	VV	274	6854	0.19%	0.086%
269	19.343	19.320	19.353	VV	297	4549	0.12%	0.057%
270	19.372	19.353	19.395	VV	224	5603	0.15%	0.070%
271	19.439	19.395	19.485	VV	2887	49760	1.35%	0.624%
272	19.499	19.485	19.509	VV	306	3851	0.10%	0.048%
273	19.550	19.509	19.560	VV	299	8278	0.23%	0.104%
274	19.685	19.560	19.705	VV	650	36888	1.00%	0.463%
275	19.730	19.705	19.755	VV	723	18739	0.51%	0.235%
276	19.815	19.755	19.848	VV	2396	58810	1.60%	0.737%
277	19.923	19.848	19.940	VV	876	40694	1.11%	0.510%
278	20.002	19.940	20.015	VV	1026	41170	1.12%	0.516%
279	20.045	20.015	20.064	VV	1096	29838	0.81%	0.374%
280	20.097	20.064	20.117	VV	1202	34101	0.93%	0.428%
281	20.182	20.117	20.212	VV	2825	90308	2.46%	1.132%
282	20.234	20.212	20.246	VV	1533	29412	0.80%	0.369%
283	20.254	20.246	20.270	VV	1400	20026	0.54%	0.251%
284	20.324	20.270	20.354	VV	1602	74929	2.04%	0.940%
285	20.459	20.354	20.488	VV	1831	136665	3.72%	1.714%
286	20.543	20.488	20.591	VV	2384	115092	3.13%	1.443%
287	20.668	20.591	20.681	VV	1688	89914	2.44%	1.128%
288	20.726	20.681	20.775	VV	1906	100498	2.73%	1.260%
289	20.787	20.775	20.817	VV	1777	43997	1.20%	0.552%
290	20.829	20.817	20.834	VV	1650	16838	0.46%	0.211%
291	20.857	20.834	20.898	VV	1667	59532	1.62%	0.747%
292	20.943	20.898	21.013	VV	2368	116856	3.18%	1.465%
293	21.021	21.013	21.071	VV	1474	48044	1.31%	0.602%
294	21.079	21.071	21.085	VV	1382	10675	0.29%	0.134%
295	21.116	21.085	21.132	VV	1327	36545	0.99%	0.458%
296	21.166	21.132	21.190	VV	1270	41926	1.14%	0.526%
297	21.204	21.190	21.228	VV	1193	25885	0.70%	0.325%
298	21.287	21.228	21.328	VV	1099	62060	1.69%	0.778%
299	21.394	21.328	21.446	VV	1193	70958	1.93%	0.890%

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300	21.515	21.446	21.578	VV	869	63276	1.72%	0.794%
301	21.591	21.578	21.650	VV	731	28979	0.79%	0.363%
302	21.713	21.650	21.755	VV	626	35859	0.97%	0.450%
303	21.811	21.755	21.865	VV	556	29209	0.79%	0.366%
304	21.909	21.865	22.015	VV	992	39193	1.07%	0.491%
305	22.042	22.015	22.071	VV	127	3185	0.09%	0.040%

Sum of corrected areas: 7974271

Aliphatic EPH 080125.M Tue Aug 26 03:57:52 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	3-FLOOR-NORTH-D	SDG No.:	Q2892
Lab Sample ID:	Q2892-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
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
FD049662.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.27	J	0.13	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.46	J	0.25	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.66	J	0.43	1.79	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.28	U	1.28	2.86	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.4		40 - 140	87%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-07	Acq On:	23 Aug 2025 05:26
Client Sample ID:	3-FLOOR-NORTH-D	Operator:	YP/AJ
Data file:	FD049662.D	Misc:	
Instrument:	FID_D	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	400260	3.708	200	ug/ml
Aromatic C12-C16	6.151	8.778	797948	6.457	300	ug/ml
Aromatic C16-C21	8.779	13.069	2937257	23.222	500	ug/ml
Aromatic C21-C36	13.070	18.489	1780421	15.809	800	ug/ml
Aromatic EPH	4.407	18.489	5915886	49.196		ug/ml
2-Bromonaphthalene (SURRE)	7.715	7.715	4446592	43.39		ug/ml
2-Fluorobiphenyl (SURRE)	8.580	8.580	3145498	43.06		ug/ml
ortho-Terphenyl (SURRE)	11.625	11.625	3196142	24.62		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049662.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 05:26
 Operator : YP/AJ
 Sample : Q2892-07
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 3-FLOOR-NORTH-D

Integration File: sample.E
 Quant Time: Aug 25 01:53:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.715	4446592	43.387 ug/ml
Spiked Amount 50.000		Recovery =	86.77%
6) S 2-Fluorobiphenyl (SURR)	8.580	3145498	43.062 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	86.12%
11) S ortho-Terphenyl (SURR)	11.625	3196142	24.625 ug/ml
Spiked Amount 50.000		Recovery =	49.25%

Target Compounds

(f)=RT Delta > 1/2 Window

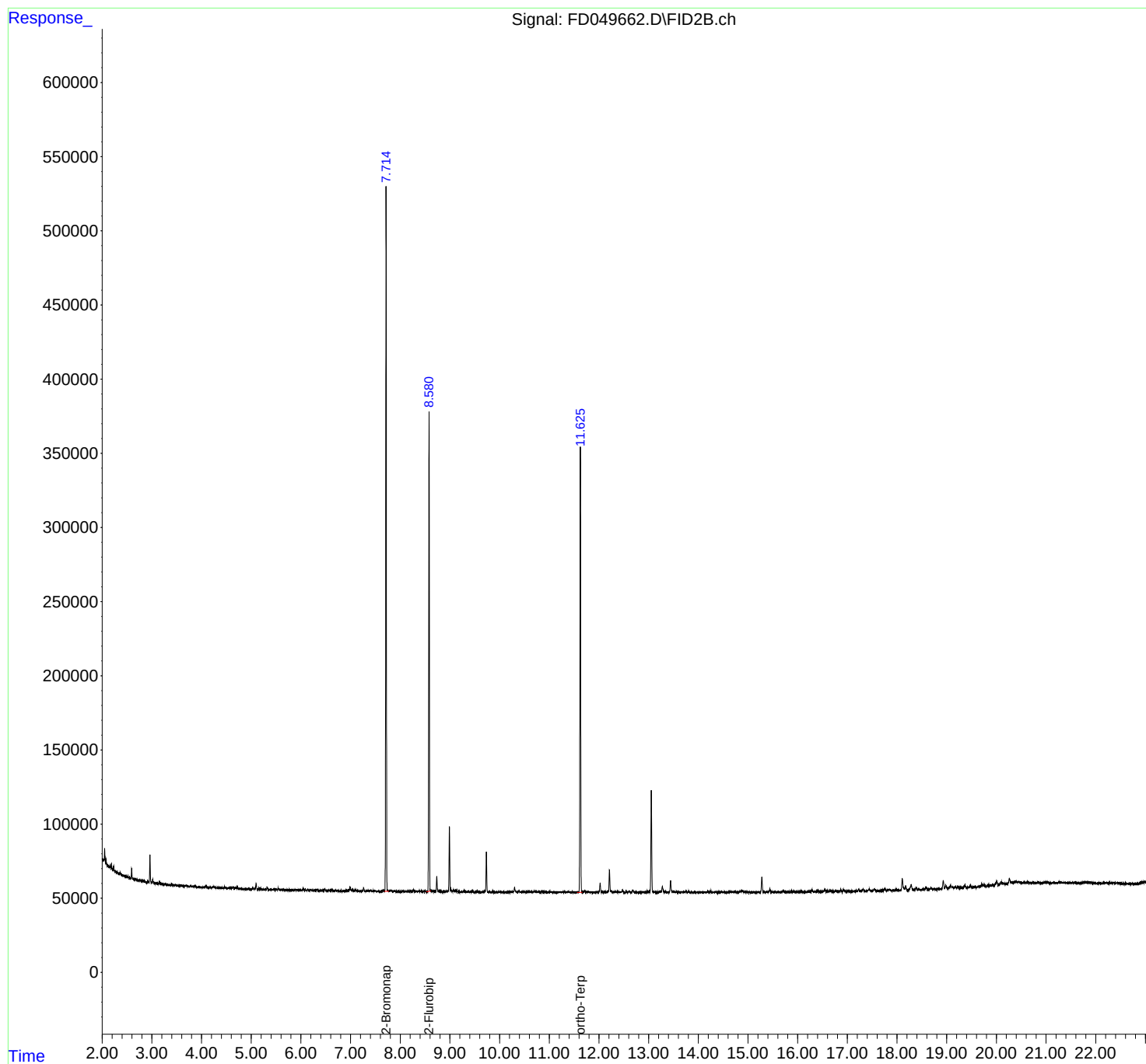
(m)=manual int.

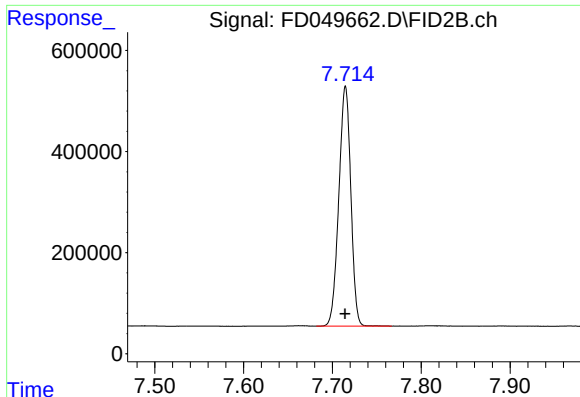
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049662.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 05:26
Operator : YP/AJ
Sample : Q2892-07
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
3-FLOOR-NORTH-D

Integration File: sample.E
Quant Time: Aug 25 01:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

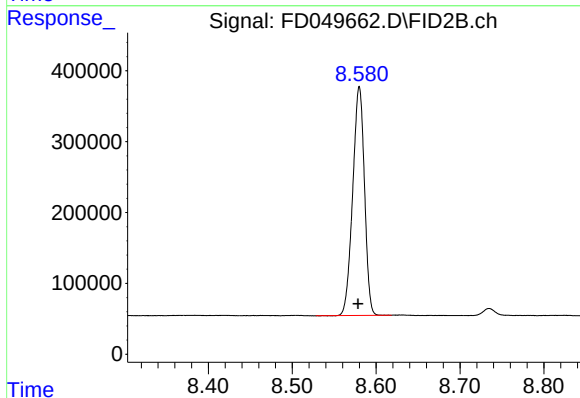




#4 2-Bromonaphthalene (SURRE)

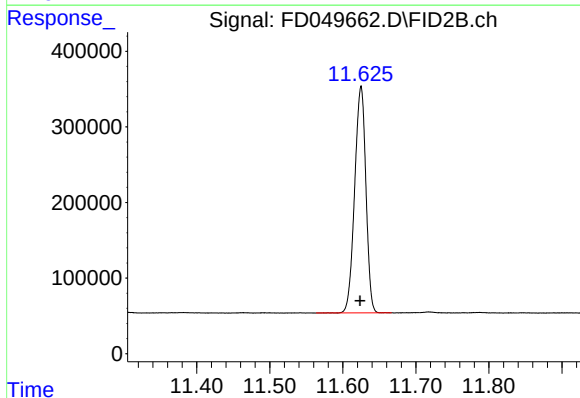
R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 4446592
Conc: 43.39 ug/ml

Instrument :
FID_D
ClientSampleId :
3-FLOOR-NORTH-D



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.580 min
Delta R.T.: 0.002 min
Response: 3145498
Conc: 43.06 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.625 min
Delta R.T.: 0.002 min
Response: 3196142
Conc: 24.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049662.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 05:26
Sample : Q2892-07
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.262	4.252	4.284	BV	209	1333	0.03%	0.008%
2	4.291	4.284	4.316	PV	146	1812	0.04%	0.011%
3	4.324	4.316	4.330	VV	309	1385	0.03%	0.008%
4	4.362	4.330	4.375	VV	369	5243	0.12%	0.031%
5	4.378	4.375	4.398	VV	288	2324	0.05%	0.014%
6	4.417	4.398	4.453	VV	533	8129	0.18%	0.048%
7	4.465	4.453	4.506	VV	1447	15338	0.34%	0.091%
8	4.535	4.523	4.563	PV	318	5231	0.12%	0.031%
9	4.579	4.563	4.593	VV	558	6941	0.16%	0.041%
10	4.607	4.593	4.620	VV	702	7905	0.18%	0.047%
11	4.633	4.620	4.655	VV	1552	17694	0.40%	0.105%
12	4.669	4.655	4.677	VV	361	3944	0.09%	0.024%
13	4.689	4.677	4.703	VV	1085	11284	0.25%	0.067%
14	4.720	4.703	4.753	VV	2064	23344	0.52%	0.139%
15	4.760	4.753	4.764	VV	329	1861	0.04%	0.011%
16	4.773	4.764	4.790	VV	598	5506	0.12%	0.033%
17	4.799	4.790	4.826	VV	543	6227	0.14%	0.037%
18	4.836	4.826	4.867	VV	296	3038	0.07%	0.018%
19	4.884	4.867	4.898	PV	256	2502	0.06%	0.015%
20	4.909	4.898	4.925	VV	339	3525	0.08%	0.021%
21	4.933	4.925	4.939	VV	171	1084	0.02%	0.006%
22	4.947	4.939	4.952	VV	210	1225	0.03%	0.007%
23	4.962	4.952	4.972	VV	253	2537	0.06%	0.015%
24	4.985	4.972	4.995	VV	272	2290	0.05%	0.014%
25	5.033	5.004	5.057	PV	1348	20106	0.45%	0.120%
26	5.073	5.057	5.082	VV	936	9549	0.21%	0.057%
27	5.098	5.082	5.139	VV	4039	45966	1.03%	0.274%
28	5.154	5.139	5.171	VV	949	10514	0.24%	0.063%
29	5.189	5.171	5.217	VV	914	11571	0.26%	0.069%
30	5.253	5.236	5.271	PV	196	2596	0.06%	0.015%
31	5.319	5.271	5.340	VV	1930	24523	0.55%	0.146%
32	5.343	5.340	5.358	VV	375	1915	0.04%	0.011%
33	5.365	5.358	5.375	VV	122	1059	0.02%	0.006%
34	5.380	5.375	5.385	VV	346	1384	0.03%	0.008%
35	5.392	5.385	5.401	VV	247	2401	0.05%	0.014%
36	5.410	5.401	5.425	VV	323	3055	0.07%	0.018%

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37	5.443	5.425	5.453	VV	373	4080	0.09%	0.024%
38	5.459	5.453	5.485	VV	354	4298	0.10%	0.026%
39	5.500	5.485	5.526	VV	696	8895	0.20%	0.053%
40	5.541	5.526	5.562	VV	1340	14571	0.33%	0.087%
41	5.568	5.562	5.577	VV	373	2743	0.06%	0.016%
42	5.597	5.577	5.652	VV	588	12424	0.28%	0.074%
43	5.657	5.652	5.668	VV	297	1819	0.04%	0.011%
44	5.684	5.668	5.703	VV	319	4768	0.11%	0.028%
45	5.707	5.703	5.729	VV	333	2351	0.05%	0.014%
46	5.744	5.729	5.778	VV	295	4583	0.10%	0.027%
47	5.785	5.778	5.815	VV	297	3180	0.07%	0.019%
48	5.834	5.815	5.849	PV	180	2271	0.05%	0.014%
49	5.861	5.855	5.870	VV	271	1316	0.03%	0.008%
50	5.890	5.870	5.905	VV	364	4442	0.10%	0.026%
51	5.918	5.905	5.937	VV	316	4743	0.11%	0.028%
52	5.959	5.937	5.973	VV	442	6766	0.15%	0.040%
53	5.984	5.973	6.010	VV	425	6667	0.15%	0.040%
54	6.051	6.010	6.080	VV	1361	25986	0.58%	0.155%
55	6.085	6.080	6.114	VV	546	7013	0.16%	0.042%
56	6.139	6.114	6.172	VV	836	13100	0.29%	0.078%
57	6.200	6.172	6.225	VV	647	11879	0.27%	0.071%
58	6.232	6.225	6.237	VV	206	1484	0.03%	0.009%
59	6.241	6.237	6.246	VV	339	1276	0.03%	0.008%
60	6.269	6.246	6.273	VV	485	5363	0.12%	0.032%
61	6.278	6.273	6.305	VV	503	5924	0.13%	0.035%
62	6.327	6.305	6.368	VV	734	12661	0.28%	0.075%
63	6.380	6.368	6.387	VV	272	1755	0.04%	0.010%
64	6.392	6.387	6.414	VV	321	3084	0.07%	0.018%
65	6.430	6.414	6.434	VV	321	2933	0.07%	0.017%
66	6.441	6.434	6.463	VV	431	4646	0.10%	0.028%
67	6.479	6.463	6.499	VV	1601	17695	0.40%	0.105%
68	6.518	6.499	6.529	VV	340	4641	0.10%	0.028%
69	6.537	6.529	6.550	VV	340	3211	0.07%	0.019%
70	6.565	6.550	6.582	VV	778	8532	0.19%	0.051%
71	6.600	6.582	6.610	VV	655	6666	0.15%	0.040%
72	6.629	6.610	6.650	VV	1223	15787	0.35%	0.094%
73	6.667	6.650	6.679	VV	417	4694	0.11%	0.028%
74	6.699	6.679	6.735	VV	730	11112	0.25%	0.066%
75	6.738	6.735	6.746	VV	322	1169	0.03%	0.007%
76	6.763	6.746	6.780	VV	270	3038	0.07%	0.018%
77	6.811	6.780	6.830	VV	523	8432	0.19%	0.050%
78	6.855	6.830	6.864	PV	380	4544	0.10%	0.027%
79	6.867	6.864	6.871	VV	365	1160	0.03%	0.007%
80	6.874	6.871	6.879	VV	310	1126	0.03%	0.007%
81	6.887	6.879	6.891	VV	345	1754	0.04%	0.010%
82	6.924	6.891	6.942	VV	663	13140	0.29%	0.078%
83	6.989	6.942	7.015	VV	3122	51786	1.16%	0.309%
84	7.030	7.015	7.068	VV	1230	23460	0.53%	0.140%
85	7.102	7.068	7.129	VV	1573	27371	0.61%	0.163%
86	7.138	7.129	7.149	VV	383	4156	0.09%	0.025%
87	7.155	7.149	7.168	VV	290	2865	0.06%	0.017%
88	7.174	7.168	7.186	VV	318	2452	0.05%	0.015%
89	7.195	7.186	7.202	VV	276	2149	0.05%	0.013%

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90	7.209	7.202	7.225	VV	412	3768	0.08%	0.022%
91	7.262	7.225	7.295	VV	2397	34573	0.77%	0.206%
92	7.298	7.295	7.304	VV	267	1233	0.03%	0.007%
93	7.319	7.304	7.333	VV	539	7208	0.16%	0.043%
94	7.341	7.333	7.357	VV	546	6202	0.14%	0.037%
95	7.368	7.357	7.378	VV	672	6969	0.16%	0.042%
96	7.401	7.378	7.422	VV	1095	16379	0.37%	0.098%
97	7.436	7.422	7.442	VV	418	3162	0.07%	0.019%
98	7.465	7.442	7.475	VV	787	10449	0.23%	0.062%
99	7.489	7.475	7.523	VV	766	13825	0.31%	0.082%
100	7.537	7.523	7.542	VV	340	3011	0.07%	0.018%
101	7.551	7.542	7.558	VV	407	3394	0.08%	0.020%
102	7.562	7.558	7.568	VV	413	2105	0.05%	0.013%
103	7.570	7.568	7.585	VV	393	2010	0.04%	0.012%
104	7.613	7.595	7.628	PV	357	6030	0.13%	0.036%
105	7.663	7.628	7.683	VV	1119	20313	0.45%	0.121%
106	7.715	7.683	7.772	VV	474965	4468661	100.00%	26.630%
107	7.777	7.772	7.783	VV	552	3426	0.08%	0.020%
108	7.808	7.783	7.817	VV	1032	14930	0.33%	0.089%
109	7.820	7.817	7.846	VV	936	10910	0.24%	0.065%
110	7.855	7.846	7.870	VV	496	5598	0.13%	0.033%
111	7.889	7.870	7.914	VV	728	13153	0.29%	0.078%
112	7.917	7.914	7.948	VV	464	6350	0.14%	0.038%
113	7.967	7.948	7.996	VV	780	10107	0.23%	0.060%
114	8.005	7.996	8.017	VV	389	3378	0.08%	0.020%
115	8.027	8.017	8.038	VV	380	4190	0.09%	0.025%
116	8.059	8.038	8.068	VV	530	7436	0.17%	0.044%
117	8.074	8.068	8.092	VV	492	5529	0.12%	0.033%
118	8.134	8.092	8.145	VV	636	13617	0.30%	0.081%
119	8.150	8.145	8.154	VV	601	2547	0.06%	0.015%
120	8.168	8.154	8.198	VV	772	15810	0.35%	0.094%
121	8.202	8.198	8.211	VV	499	3266	0.07%	0.019%
122	8.222	8.211	8.234	VV	626	5646	0.13%	0.034%
123	8.270	8.234	8.291	VV	1888	28067	0.63%	0.167%
124	8.300	8.291	8.320	VV	580	6854	0.15%	0.041%
125	8.323	8.320	8.350	VV	399	6290	0.14%	0.037%
126	8.385	8.350	8.405	VV	785	19870	0.44%	0.118%
127	8.416	8.405	8.440	VV	684	11273	0.25%	0.067%
128	8.445	8.440	8.449	VV	343	1859	0.04%	0.011%
129	8.454	8.449	8.458	VV	494	2234	0.05%	0.013%
130	8.465	8.458	8.486	VV	618	8036	0.18%	0.048%
131	8.505	8.486	8.533	VV	794	12058	0.27%	0.072%
132	8.537	8.533	8.548	VV	430	2331	0.05%	0.014%
133	8.580	8.548	8.625	VV	324049	3179175	71.14%	18.946%
134	8.630	8.625	8.658	VV	1323	18191	0.41%	0.108%
135	8.664	8.658	8.698	VV	762	14987	0.34%	0.089%
136	8.735	8.698	8.778	VV	10538	127429	2.85%	0.759%
137	8.783	8.778	8.793	VV	752	5583	0.12%	0.033%
138	8.825	8.793	8.845	VV	903	20969	0.47%	0.125%
139	8.848	8.845	8.854	VV	388	1735	0.04%	0.010%
140	8.880	8.854	8.883	VV	585	8488	0.19%	0.051%
141	8.888	8.883	8.902	VV	659	6135	0.14%	0.037%

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142	8.908	8.902	8.915	VV	551	3887	0.09%	0.023%
143	8.926	8.915	8.943	VV	772	10861	0.24%	0.065%
144	8.948	8.943	8.950	VV	658	2270	0.05%	0.014%
145	8.990	8.950	9.011	VV	44255	455476	10.19%	2.714%
146	9.017	9.011	9.056	VV	2164	33395	0.75%	0.199%
147	9.071	9.056	9.089	VV	1653	22194	0.50%	0.132%
148	9.109	9.089	9.128	VV	1685	27107	0.61%	0.162%
149	9.143	9.128	9.167	VV	1519	19529	0.44%	0.116%
150	9.179	9.167	9.208	VV	688	11829	0.26%	0.070%
151	9.238	9.208	9.244	VV	498	8490	0.19%	0.051%
152	9.247	9.244	9.258	VV	494	3199	0.07%	0.019%
153	9.276	9.258	9.300	VV	1077	17183	0.38%	0.102%
154	9.315	9.300	9.322	VV	699	7585	0.17%	0.045%
155	9.328	9.322	9.349	VV	561	7418	0.17%	0.044%
156	9.376	9.349	9.386	VV	792	12597	0.28%	0.075%
157	9.395	9.386	9.407	VV	718	7308	0.16%	0.044%
158	9.461	9.407	9.493	VV	1082	31960	0.72%	0.190%
159	9.502	9.493	9.514	VV	609	4554	0.10%	0.027%
160	9.528	9.514	9.539	VV	496	6476	0.14%	0.039%
161	9.547	9.539	9.552	VV	873	5135	0.11%	0.031%
162	9.555	9.552	9.560	VV	538	2005	0.04%	0.012%
163	9.565	9.560	9.587	VV	634	6681	0.15%	0.040%
164	9.598	9.587	9.611	VV	601	5657	0.13%	0.034%
165	9.619	9.611	9.625	VV	184	1043	0.02%	0.006%
166	9.646	9.625	9.685	PV	725	15695	0.35%	0.094%
167	9.703	9.685	9.713	VV	1048	12991	0.29%	0.077%
168	9.734	9.713	9.765	VV	27559	279223	6.25%	1.664%
169	9.801	9.765	9.825	VV	680	18124	0.41%	0.108%
170	9.828	9.825	9.838	VV	450	2741	0.06%	0.016%
171	9.865	9.838	9.912	VV	1025	20012	0.45%	0.119%
172	9.935	9.912	9.944	VV	577	7335	0.16%	0.044%
173	9.948	9.944	9.955	VV	462	2741	0.06%	0.016%
174	9.966	9.955	9.986	VV	590	9105	0.20%	0.054%
175	10.005	9.986	10.033	VV	508	12068	0.27%	0.072%
176	10.040	10.033	10.047	VV	561	3683	0.08%	0.022%
177	10.057	10.047	10.078	VV	496	7154	0.16%	0.043%
178	10.087	10.078	10.092	VV	489	3101	0.07%	0.018%
179	10.096	10.092	10.107	VV	554	3244	0.07%	0.019%
180	10.113	10.107	10.141	VV	247	4326	0.10%	0.026%
181	10.146	10.141	10.161	VV	310	2636	0.06%	0.016%
182	10.178	10.161	10.183	VV	412	3722	0.08%	0.022%
183	10.197	10.183	10.222	VV	602	9886	0.22%	0.059%
184	10.263	10.222	10.277	VV	671	15053	0.34%	0.090%
185	10.301	10.277	10.332	VV	3681	50708	1.13%	0.302%
186	10.338	10.332	10.363	VV	640	8440	0.19%	0.050%
187	10.390	10.363	10.418	VV	1065	19987	0.45%	0.119%
188	10.432	10.418	10.436	VV	444	3984	0.09%	0.024%
189	10.457	10.436	10.465	VV	656	7668	0.17%	0.046%
190	10.489	10.465	10.528	VV	725	20861	0.47%	0.124%
191	10.536	10.528	10.548	VV	508	5366	0.12%	0.032%
192	10.555	10.548	10.565	VV	684	4982	0.11%	0.030%
193	10.584	10.565	10.622	VV	924	22432	0.50%	0.134%
194	10.624	10.622	10.638	VV	635	4076	0.09%	0.024%

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195	10.651	10.638	10.677	VV	608	11336	0.25%	0.068%
196	10.698	10.677	10.712	VV	1009	16435	0.37%	0.098%
197	10.735	10.712	10.763	VV	1062	20554	0.46%	0.122%
198	10.769	10.763	10.772	VV	525	2135	0.05%	0.013%
199	10.785	10.772	10.805	VV	570	9649	0.22%	0.058%
200	10.821	10.805	10.833	VV	503	7029	0.16%	0.042%
201	10.855	10.833	10.872	VV	860	13292	0.30%	0.079%
202	10.888	10.872	10.911	VV	592	9783	0.22%	0.058%
203	10.929	10.911	10.962	VV	689	12276	0.27%	0.073%
204	11.000	10.962	11.012	VV	425	8149	0.18%	0.049%
205	11.037	11.012	11.051	VV	656	10807	0.24%	0.064%
206	11.057	11.051	11.077	VV	413	4084	0.09%	0.024%
207	11.094	11.077	11.107	VV	247	3712	0.08%	0.022%
208	11.110	11.107	11.115	VV	292	1268	0.03%	0.008%
209	11.127	11.115	11.152	VV	423	5446	0.12%	0.032%
210	11.164	11.152	11.177	VV	397	3713	0.08%	0.022%
211	11.182	11.177	11.197	VV	232	2366	0.05%	0.014%
212	11.207	11.197	11.213	VV	384	2229	0.05%	0.013%
213	11.225	11.213	11.262	VV	584	10066	0.23%	0.060%
214	11.274	11.262	11.285	VV	517	4625	0.10%	0.028%
215	11.305	11.285	11.325	VV	1095	13232	0.30%	0.079%
216	11.330	11.325	11.335	VV	235	1086	0.02%	0.006%
217	11.354	11.335	11.360	VV	389	4101	0.09%	0.024%
218	11.381	11.360	11.400	VV	694	10906	0.24%	0.065%
219	11.403	11.400	11.417	VV	404	2163	0.05%	0.013%
220	11.420	11.417	11.430	VV	242	1221	0.03%	0.007%
221	11.464	11.447	11.479	VV	534	5491	0.12%	0.033%
222	11.491	11.479	11.520	VV	337	4656	0.10%	0.028%
223	11.542	11.520	11.550	VV	342	3207	0.07%	0.019%
224	11.553	11.550	11.563	VV	229	1205	0.03%	0.007%
225	11.580	11.563	11.593	VV	333	3857	0.09%	0.023%
226	11.625	11.593	11.654	VV	300462	3204647	71.71%	19.097%
227	11.658	11.654	11.677	VV	611	5570	0.12%	0.033%
228	11.718	11.677	11.750	VV	1451	27976	0.63%	0.167%
229	11.766	11.750	11.770	VV	493	3805	0.09%	0.023%
230	11.788	11.770	11.802	VV	884	10537	0.24%	0.063%
231	11.807	11.802	11.820	VV	308	2764	0.06%	0.016%
232	11.830	11.820	11.840	VV	325	2821	0.06%	0.017%
233	11.853	11.840	11.878	VV	323	4425	0.10%	0.026%
234	11.913	11.878	11.924	VV	324	6446	0.14%	0.038%
235	11.944	11.924	11.948	VV	500	5191	0.12%	0.031%
236	11.966	11.948	11.979	VV	601	8465	0.19%	0.050%
237	12.023	11.979	12.049	VV	6457	80713	1.81%	0.481%
238	12.065	12.049	12.099	VV	867	13040	0.29%	0.078%
239	12.106	12.099	12.113	VV	510	3457	0.08%	0.021%
240	12.118	12.113	12.124	VV	455	2614	0.06%	0.016%
241	12.131	12.124	12.154	VV	521	5870	0.13%	0.035%
242	12.165	12.154	12.173	VV	459	3658	0.08%	0.022%
243	12.210	12.173	12.281	VV	15294	202077	4.52%	1.204%
244	12.299	12.281	12.322	VV	619	11193	0.25%	0.067%
245	12.332	12.322	12.338	VV	653	5428	0.12%	0.032%
246	12.345	12.338	12.363	VV	655	7823	0.18%	0.047%

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247	12.369	12.363	12.373	VV	523	2528	0.06%	0.015%
248	12.399	12.373	12.427	VV	650	14232	0.32%	0.085%
249	12.474	12.427	12.513	VV	1734	30804	0.69%	0.184%
250	12.547	12.523	12.584	VV	867	14546	0.33%	0.087%
251	12.590	12.584	12.595	VV	333	1871	0.04%	0.011%
252	12.610	12.595	12.638	VV	1182	14422	0.32%	0.086%
253	12.681	12.638	12.687	VV	1227	20126	0.45%	0.120%
254	12.691	12.687	12.718	VV	1318	12937	0.29%	0.077%
255	12.740	12.718	12.768	VV	632	10235	0.23%	0.061%
256	12.775	12.768	12.797	VV	134	1330	0.03%	0.008%
257	12.799	12.797	12.835	VV	207	3034	0.07%	0.018%
258	12.839	12.835	12.852	VV	177	1426	0.03%	0.008%
259	12.870	12.852	12.875	VV	347	3601	0.08%	0.021%
260	12.881	12.875	12.890	VV	550	3520	0.08%	0.021%
261	12.899	12.890	12.920	VV	381	4740	0.11%	0.028%
262	12.932	12.920	12.946	VV	398	4101	0.09%	0.024%
263	12.967	12.946	12.988	VV	906	13723	0.31%	0.082%
264	13.008	12.988	13.023	VV	959	13014	0.29%	0.078%
265	13.054	13.023	13.093	VV	69186	805022	18.01%	4.797%
266	13.099	13.093	13.103	VV	515	2763	0.06%	0.016%
267	13.106	13.103	13.148	VV	503	9226	0.21%	0.055%
268	13.153	13.148	13.160	VV	434	1907	0.04%	0.011%
269	13.171	13.160	13.185	VV	338	3590	0.08%	0.021%
270	13.228	13.192	13.247	VV	929	17585	0.39%	0.105%
271	13.276	13.247	13.322	VV	4215	73545	1.65%	0.438%
272	13.334	13.322	13.352	VV	698	9018	0.20%	0.054%
273	13.355	13.352	13.370	VV	545	4417	0.10%	0.026%
274	13.374	13.370	13.382	VV	330	2109	0.05%	0.013%
275	13.395	13.382	13.407	VV	470	4834	0.11%	0.029%
276	13.442	13.407	13.499	VV	8208	124337	2.78%	0.741%
277	13.503	13.499	13.510	VV	665	4302	0.10%	0.026%
278	13.512	13.510	13.531	VV	704	5653	0.13%	0.034%
279	13.565	13.531	13.574	VV	664	12314	0.28%	0.073%
280	13.579	13.574	13.589	VV	395	2593	0.06%	0.015%
281	13.597	13.589	13.613	VV	370	4109	0.09%	0.024%
282	13.619	13.613	13.646	VV	430	4291	0.10%	0.026%
283	13.668	13.646	13.700	VV	685	13130	0.29%	0.078%
284	13.713	13.700	13.719	VV	378	3614	0.08%	0.022%
285	13.726	13.719	13.730	VV	339	1971	0.04%	0.012%
286	13.754	13.730	13.781	VV	1207	17048	0.38%	0.102%
287	13.806	13.781	13.825	VV	941	11940	0.27%	0.071%
288	13.831	13.825	13.848	VV	282	2721	0.06%	0.016%
289	13.865	13.856	13.880	VV	310	2748	0.06%	0.016%
290	13.904	13.880	13.912	VV	450	4387	0.10%	0.026%
291	13.923	13.912	13.942	VV	328	3779	0.08%	0.023%
292	13.950	13.947	13.967	VV	199	1174	0.03%	0.007%
293	13.977	13.967	14.001	VV	405	4225	0.09%	0.025%
294	14.023	14.001	14.029	VV	323	3978	0.09%	0.024%
295	14.055	14.029	14.083	VV	437	9687	0.22%	0.058%
296	14.088	14.083	14.105	VV	306	2215	0.05%	0.013%
297	14.113	14.105	14.127	PV	271	2674	0.06%	0.016%
298	14.137	14.127	14.163	VV	520	7031	0.16%	0.042%
299	14.189	14.163	14.207	VV	930	13941	0.31%	0.083%

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300	14.240	14.207	14.293	VV	1358	27382	0.61%	0.163%
301	14.297	14.293	14.308	VV	180	1200	0.03%	0.007%
302	14.336	14.317	14.343	VV	269	3394	0.08%	0.020%
303	14.361	14.343	14.377	VV	631	8199	0.18%	0.049%
304	14.389	14.377	14.393	VV	271	2043	0.05%	0.012%
305	14.403	14.393	14.411	VV	291	2230	0.05%	0.013%
306	14.429	14.411	14.450	VV	433	7155	0.16%	0.043%
307	14.465	14.450	14.499	VV	497	10763	0.24%	0.064%
308	14.531	14.499	14.554	VV	764	13899	0.31%	0.083%
309	14.579	14.554	14.596	VV	376	6477	0.14%	0.039%
310	14.611	14.596	14.618	VV	487	4741	0.11%	0.028%
311	14.625	14.618	14.650	VV	500	7556	0.17%	0.045%
312	14.665	14.650	14.680	VV	693	10196	0.23%	0.061%
313	14.688	14.680	14.710	VV	698	8956	0.20%	0.053%
314	14.721	14.710	14.728	VV	550	5358	0.12%	0.032%
315	14.746	14.728	14.773	VV	864	14690	0.33%	0.088%
316	14.786	14.773	14.796	VV	462	4686	0.10%	0.028%
317	14.802	14.796	14.805	VV	296	1477	0.03%	0.009%
318	14.809	14.805	14.817	VV	339	1931	0.04%	0.012%
319	14.834	14.817	14.849	VV	902	12337	0.28%	0.074%
320	14.876	14.849	14.891	VV	1339	24990	0.56%	0.149%
321	14.901	14.891	14.930	VV	1189	16810	0.38%	0.100%
322	14.944	14.930	14.973	VV	669	11247	0.25%	0.067%
323	14.997	14.973	15.007	VV	457	6526	0.15%	0.039%
324	15.009	15.007	15.025	VV	374	2874	0.06%	0.017%
325	15.036	15.025	15.048	VV	343	3630	0.08%	0.022%
326	15.071	15.048	15.104	VV	556	10252	0.23%	0.061%
327	15.111	15.104	15.118	VV	443	2498	0.06%	0.015%
328	15.123	15.118	15.153	VV	421	5707	0.13%	0.034%
329	15.159	15.153	15.180	VV	214	1785	0.04%	0.011%
330	15.220	15.180	15.250	PV	496	10824	0.24%	0.065%
331	15.278	15.250	15.308	VV	10544	139309	3.12%	0.830%
332	15.313	15.308	15.321	VV	650	4414	0.10%	0.026%
333	15.326	15.321	15.348	VV	647	7360	0.16%	0.044%
334	15.352	15.348	15.355	VV	323	1075	0.02%	0.006%
335	15.359	15.355	15.368	VV	523	2773	0.06%	0.017%
336	15.375	15.368	15.380	VV	512	2765	0.06%	0.016%
337	15.385	15.380	15.395	VV	497	2284	0.05%	0.014%
338	15.400	15.395	15.405	VV	167	1023	0.02%	0.006%
339	15.439	15.405	15.465	VV	2217	35791	0.80%	0.213%
340	15.476	15.465	15.482	VV	266	2336	0.05%	0.014%
341	15.494	15.482	15.522	VV	396	5803	0.13%	0.035%
342	15.541	15.522	15.555	VV	456	6067	0.14%	0.036%
343	15.560	15.555	15.567	VV	287	1460	0.03%	0.009%
344	15.578	15.567	15.585	VV	326	1899	0.04%	0.011%
345	15.592	15.585	15.597	VV	302	1770	0.04%	0.011%
346	15.604	15.597	15.617	VV	322	3038	0.07%	0.018%
347	15.622	15.617	15.633	VV	424	3163	0.07%	0.019%
348	15.638	15.633	15.654	VV	358	3069	0.07%	0.018%
349	15.664	15.654	15.668	VV	199	1214	0.03%	0.007%
350	15.685	15.668	15.697	VV	474	5922	0.13%	0.035%
351	15.712	15.697	15.760	VV	884	17542	0.39%	0.105%

					rteres			
352	15.771	15.760	15.778	VV	311	2356	0.05%	0.014%
353	15.795	15.778	15.822	VV	656	10099	0.23%	0.060%
354	15.850	15.832	15.860	VV	314	3544	0.08%	0.021%
355	15.880	15.860	15.905	VV	690	9529	0.21%	0.057%
356	15.920	15.905	15.946	VV	1158	14268	0.32%	0.085%
357	15.953	15.946	15.963	VV	287	2001	0.04%	0.012%
358	15.974	15.963	16.006	VV	419	6254	0.14%	0.037%
359	16.036	16.006	16.043	VV	295	4495	0.10%	0.027%
360	16.065	16.043	16.120	VV	565	13106	0.29%	0.078%
361	16.125	16.120	16.143	PV	264	1938	0.04%	0.012%
362	16.158	16.143	16.165	VV	266	2252	0.05%	0.013%
363	16.168	16.165	16.188	VV	218	2003	0.04%	0.012%
364	16.197	16.188	16.201	VV	242	1177	0.03%	0.007%
365	16.207	16.201	16.220	VV	274	1660	0.04%	0.010%
366	16.235	16.220	16.252	VV	396	4930	0.11%	0.029%
367	16.288	16.262	16.361	VV	1825	28663	0.64%	0.171%
368	16.402	16.361	16.436	VV	844	20837	0.47%	0.124%
369	16.452	16.436	16.458	VV	229	1498	0.03%	0.009%
370	16.485	16.458	16.497	VV	644	7662	0.17%	0.046%
371	16.548	16.497	16.580	VV	1700	35452	0.79%	0.211%
372	16.599	16.580	16.620	VV	506	7708	0.17%	0.046%
373	16.658	16.620	16.695	VV	758	18654	0.42%	0.111%
374	16.701	16.695	16.706	VV	409	2273	0.05%	0.014%
375	16.718	16.706	16.738	VV	430	4350	0.10%	0.026%
376	16.764	16.738	16.794	VV	923	14398	0.32%	0.086%
377	16.801	16.794	16.816	VV	321	3050	0.07%	0.018%
378	16.828	16.816	16.848	VV	451	5553	0.12%	0.033%
379	16.866	16.848	16.898	VV	1312	16070	0.36%	0.096%
380	16.920	16.898	16.974	PV	1504	31121	0.70%	0.185%
381	16.985	16.974	16.990	VV	262	1357	0.03%	0.008%
382	17.001	16.990	17.027	VV	371	6105	0.14%	0.036%
383	17.034	17.027	17.050	VV	336	2376	0.05%	0.014%
384	17.062	17.050	17.097	VV	308	3722	0.08%	0.022%
385	17.104	17.097	17.127	VV	293	3123	0.07%	0.019%
386	17.154	17.127	17.160	VV	249	3566	0.08%	0.021%
387	17.165	17.160	17.198	VV	248	3885	0.09%	0.023%
388	17.228	17.198	17.292	VV	1548	31389	0.70%	0.187%
389	17.315	17.292	17.345	VV	1624	25558	0.57%	0.152%
390	17.356	17.345	17.361	VV	190	1243	0.03%	0.007%
391	17.366	17.361	17.385	VV	303	2586	0.06%	0.015%
392	17.442	17.385	17.465	VV	1505	34885	0.78%	0.208%
393	17.475	17.465	17.495	VV	393	5541	0.12%	0.033%
394	17.545	17.495	17.572	VV	1748	37588	0.84%	0.224%
395	17.576	17.572	17.582	VV	465	2294	0.05%	0.014%
396	17.587	17.582	17.605	VV	291	2462	0.06%	0.015%
397	17.631	17.615	17.642	VV	355	3425	0.08%	0.020%
398	17.655	17.642	17.662	VV	413	3330	0.07%	0.020%
399	17.673	17.662	17.709	VV	465	10178	0.23%	0.061%
400	17.752	17.709	17.778	VV	1859	32885	0.74%	0.196%
401	17.797	17.778	17.809	VV	410	4722	0.11%	0.028%
402	17.846	17.809	17.873	VV	1068	22504	0.50%	0.134%
403	17.884	17.873	17.890	VV	393	2542	0.06%	0.015%
404	17.912	17.899	17.935	VV	436	4046	0.09%	0.024%

					rteres			
405	17.972	17.935	17.995	VV	838	17465	0.39%	0.104%
406	17.999	17.995	18.016	VV	444	4893	0.11%	0.029%
407	18.043	18.016	18.057	VV	364	6887	0.15%	0.041%
408	18.105	18.066	18.154	VV	7975	143418	3.21%	0.855%
409	18.174	18.154	18.220	VV	3163	50496	1.13%	0.301%
410	18.227	18.220	18.240	VV	385	2874	0.06%	0.017%
411	18.285	18.240	18.336	VV	3889	86872	1.94%	0.518%
412	18.340	18.336	18.345	VV	406	1719	0.04%	0.010%
413	18.384	18.345	18.424	VV	1690	35480	0.79%	0.211%
414	18.435	18.424	18.471	VV	481	7358	0.16%	0.044%
					Sum of corrected areas:		16780471	

Aromatic EPH 081125.M Mon Aug 25 03:57:29 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	3-FLOOR-SOUTH-E	SDG No.:	Q2892
Lab Sample ID:	Q2892-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:00	08/25/25 13:56	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.20	J	1	0.15	1.09	mg/kg	FC069723.D
Aliphatic C12-C16	Aliphatic C12-C16	0.25	J	1	0.12	0.73	mg/kg	FC069723.D
Aliphatic C16-C21	Aliphatic C16-C21	2.28		1	0.14	1.09	mg/kg	FC069723.D
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	1	0.58	1.46	mg/kg	FC069723.D
Aliphatic C28-C40	Aliphatic C28-C40	1.66	J	1	1.29	2.19	mg/kg	FC069723.D
Aromatic C10-C12	Aromatic C10-C12	0.32	J	1	0.13	0.73	mg/kg	FD049663.D
Aromatic C12-C16	Aromatic C12-C16	0.26	J	1	0.25	1.09	mg/kg	FD049663.D
Aromatic C16-C21	Aromatic C16-C21	1.44	J	1	0.44	1.82	mg/kg	FD049663.D
Aromatic C21-C36	Aromatic C21-C36	1.30	U	1	1.30	2.92	mg/kg	FD049663.D
Total AliphaticEPH	Total AliphaticEPH	4.39	J		2.29	6.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.12	U		2.12	6.56	mg/kg	
Total EPH	Total EPH	6.42	J		4.41	13.1	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	3-FLOOR-SOUTH-E		SDG No.:	Q2892	
Lab Sample ID:	Q2892-09		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069723.D	1	08/21/25	08/25/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.20	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.25	J	0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	2.28		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	0.58	1.46	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.66	J	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2892-09	Acq On:	25 Aug 2025 13:56
Client Sample ID:	3-FLOOR-SOUTH-E	Operator:	YP/AJ
Data file:	FC069723.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	6.594	399657	2.762	300	ug/ml
Aliphatic C12-C16	6.595	9.997	488929	3.409	200	ug/ml
Aliphatic C16-C21	9.998	13.365	4174569	31.256	300	ug/ml
Aliphatic C21-C28	13.366	17.031	526998	4.454	400	ug/ml
Aliphatic C28-C40	17.032	22.006	2173318	22.801	600	ug/ml
Aliphatic EPH	3.297	22.006	7763471	64.683		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	3685207	33.8		ug/ml
Aliphatic C9-C28	3.297	17.031	5590153	41.881	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069723.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 13:56
Operator : YP/AJ
Sample : Q2892-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
3-FLOOR-SOUTH-E

Integration File: sample.E
Quant Time: Aug 26 02:10:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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...	13.101	3685207	33.802 ug/ml
Spiked Amount 50.000		Recovery =	67.60%

Target Compounds

(f)=RT Delta > 1/2 Window

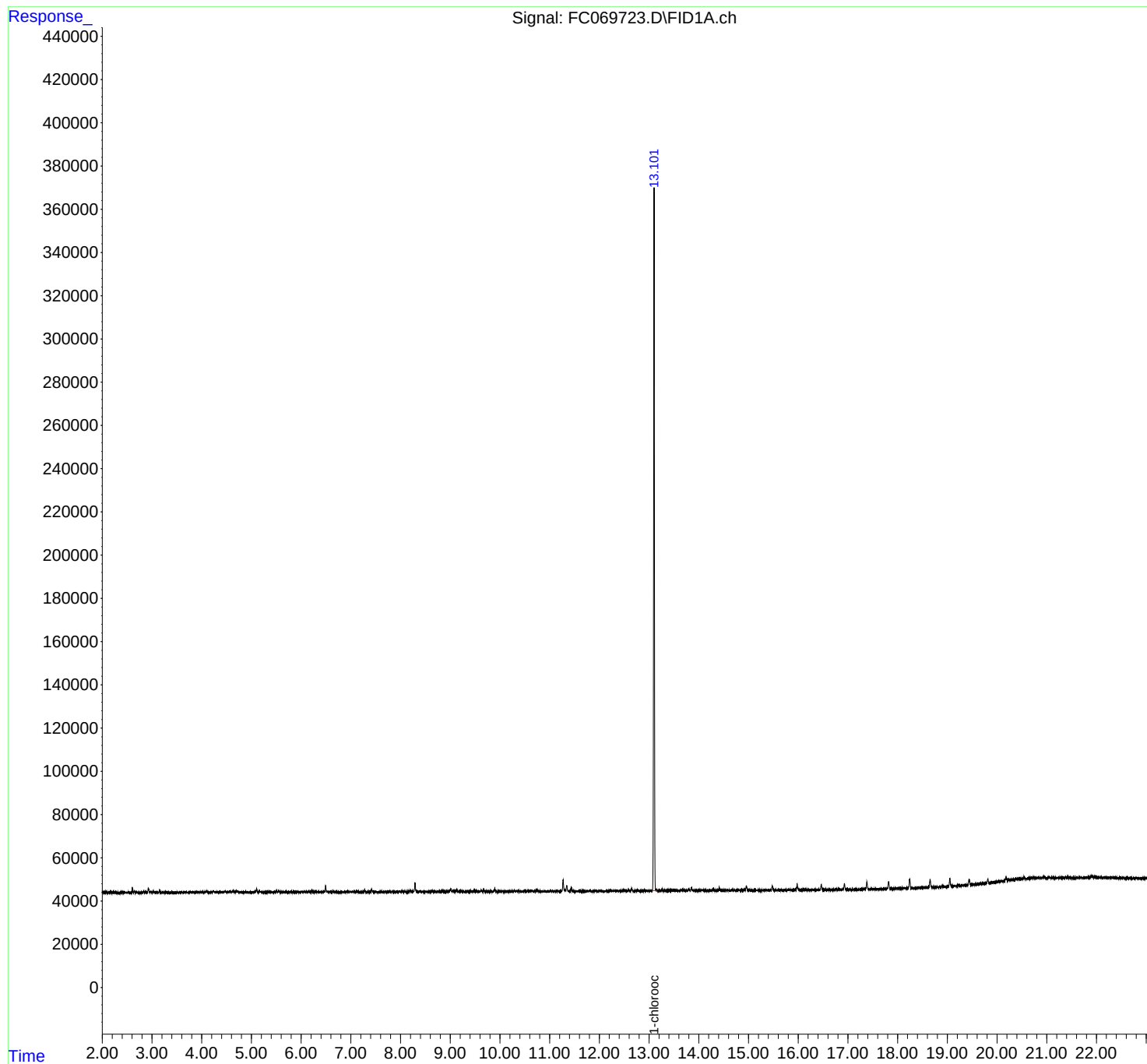
(m)=manual int.

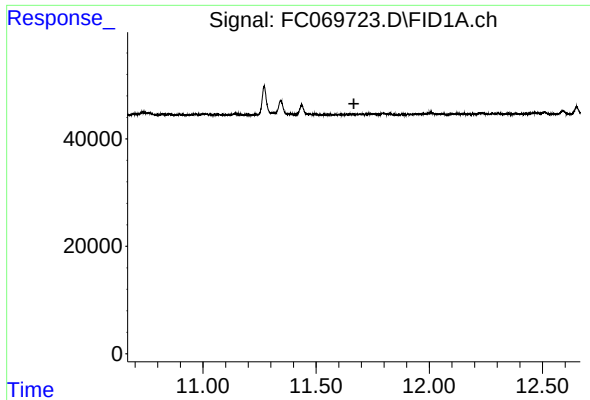
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069723.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 13:56
Operator : YP/AJ
Sample : Q2892-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
3-FLOOR-SOUTH-E

Integration File: sample.E
Quant Time: Aug 26 02:10:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

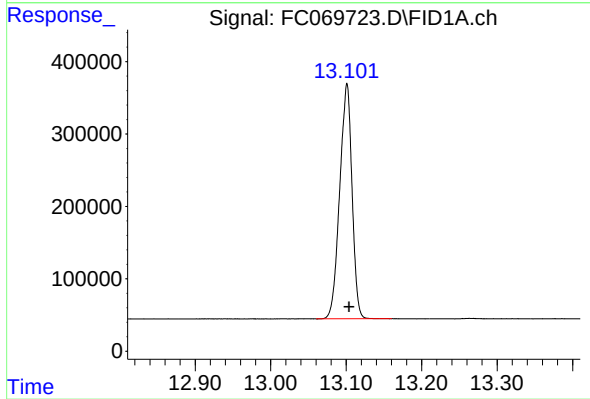




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
3-FLOOR-SOUTH-E



#12 1-chlorooctadecane (SURR)

R.T.: 13.101 min
Delta R.T.: -0.003 min
Response: 3685207
Conc: 33.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069723.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 13:56
 Sample : Q2892-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.254	BV	95	1396	0.04%	0.018%
2	3.263	3.254	3.284	VV	60	903	0.02%	0.012%
3	3.291	3.284	3.341	VV	77	1561	0.04%	0.020%
4	3.353	3.341	3.378	VV	59	984	0.03%	0.013%
5	3.400	3.378	3.480	VV	397	6915	0.19%	0.089%
6	3.501	3.480	3.518	PV	124	1670	0.04%	0.021%
7	3.535	3.518	3.561	VV	130	2020	0.05%	0.026%
8	3.600	3.561	3.644	VV	149	4253	0.11%	0.055%
9	3.671	3.644	3.690	VV	168	2862	0.08%	0.037%
10	3.704	3.690	3.713	VV	141	1803	0.05%	0.023%
11	3.724	3.713	3.757	VV	250	3185	0.09%	0.041%
12	3.774	3.757	3.794	VV	221	3314	0.09%	0.043%
13	3.812	3.794	3.824	VV	172	2352	0.06%	0.030%
14	3.840	3.824	3.858	VV	157	2218	0.06%	0.028%
15	3.895	3.858	3.939	VV	422	9092	0.24%	0.117%
16	3.948	3.939	3.958	VV	138	1338	0.04%	0.017%
17	3.979	3.958	4.041	VV	337	7301	0.20%	0.094%
18	4.071	4.041	4.084	VV	432	6162	0.17%	0.079%
19	4.097	4.084	4.144	VV	587	9141	0.25%	0.117%
20	4.166	4.144	4.202	VV	197	5197	0.14%	0.067%
21	4.237	4.202	4.271	VV	846	15194	0.41%	0.195%
22	4.278	4.271	4.356	VV	230	8990	0.24%	0.115%
23	4.365	4.356	4.377	VV	199	1970	0.05%	0.025%
24	4.395	4.377	4.408	VV	238	3138	0.08%	0.040%
25	4.426	4.408	4.444	VV	197	3468	0.09%	0.045%
26	4.470	4.444	4.502	VV	785	11553	0.31%	0.148%
27	4.515	4.502	4.534	VV	373	4880	0.13%	0.063%
28	4.576	4.534	4.604	VV	443	11464	0.31%	0.147%
29	4.638	4.604	4.660	VV	610	11788	0.32%	0.151%
30	4.670	4.660	4.680	VV	252	2640	0.07%	0.034%
31	4.695	4.680	4.711	VV	429	5470	0.15%	0.070%
32	4.725	4.711	4.748	VV	761	8607	0.23%	0.111%
33	4.755	4.748	4.770	VV	198	2172	0.06%	0.028%
34	4.784	4.770	4.795	VV	185	2262	0.06%	0.029%
35	4.801	4.795	4.808	VV	163	1030	0.03%	0.013%
36	4.826	4.808	4.873	VV	200	5503	0.15%	0.071%

					rteres			
37	4.887	4.873	4.911	VV	231	3322	0.09%	0.043%
38	4.925	4.911	4.964	VV	151	3944	0.11%	0.051%
39	4.998	4.964	5.017	VV	142	3140	0.08%	0.040%
40	5.031	5.017	5.044	VV	167	1899	0.05%	0.024%
41	5.105	5.044	5.140	VV	1744	27047	0.73%	0.347%
42	5.162	5.140	5.181	VV	502	7265	0.20%	0.093%
43	5.192	5.181	5.202	VV	323	3244	0.09%	0.042%
44	5.210	5.202	5.260	VV	260	5135	0.14%	0.066%
45	5.272	5.260	5.285	VV	162	1759	0.05%	0.023%
46	5.328	5.285	5.368	VV	170	6171	0.17%	0.079%
47	5.390	5.368	5.431	VV	199	4812	0.13%	0.062%
48	5.463	5.431	5.486	VV	208	4214	0.11%	0.054%
49	5.510	5.486	5.528	VV	648	8373	0.23%	0.108%
50	5.550	5.528	5.584	VV	878	11734	0.32%	0.151%
51	5.608	5.584	5.628	VV	258	3983	0.11%	0.051%
52	5.698	5.628	5.744	VV	274	10126	0.27%	0.130%
53	5.751	5.744	5.759	VV	181	793	0.02%	0.010%
54	5.801	5.759	5.833	VV	281	6816	0.18%	0.088%
55	5.847	5.833	5.870	VV	189	3028	0.08%	0.039%
56	5.888	5.870	5.988	VV	204	9550	0.26%	0.123%
57	5.998	5.988	6.040	VV	128	4219	0.11%	0.054%
58	6.067	6.040	6.087	VV	414	7095	0.19%	0.091%
59	6.108	6.087	6.141	VV	310	6693	0.18%	0.086%
60	6.152	6.141	6.181	VV	437	6521	0.18%	0.084%
61	6.211	6.181	6.255	VV	400	9610	0.26%	0.123%
62	6.285	6.255	6.331	VV	259	7552	0.20%	0.097%
63	6.369	6.331	6.434	VV	256	11976	0.32%	0.154%
64	6.438	6.434	6.462	VV	210	2610	0.07%	0.034%
65	6.493	6.462	6.554	VV	3148	41618	1.12%	0.535%
66	6.577	6.554	6.598	VV	375	5472	0.15%	0.070%
67	6.612	6.598	6.625	VV	243	2809	0.08%	0.036%
68	6.642	6.625	6.662	VV	524	6252	0.17%	0.080%
69	6.678	6.662	6.701	VV	217	3032	0.08%	0.039%
70	6.716	6.701	6.757	VV	252	3875	0.10%	0.050%
71	6.767	6.757	6.778	VV	98	965	0.03%	0.012%
72	6.815	6.778	6.844	VV	123	3132	0.08%	0.040%
73	6.855	6.844	6.873	PV	115	1266	0.03%	0.016%
74	6.885	6.873	6.906	VV	90	1780	0.05%	0.023%
75	6.938	6.906	6.968	VV	329	5664	0.15%	0.073%
76	6.990	6.968	7.020	VV	379	7256	0.20%	0.093%
77	7.053	7.020	7.071	VV	315	7336	0.20%	0.094%
78	7.116	7.071	7.148	VV	504	11789	0.32%	0.151%
79	7.154	7.148	7.180	VV	180	2798	0.08%	0.036%
80	7.194	7.180	7.211	VV	188	2459	0.07%	0.032%
81	7.225	7.211	7.247	VV	172	2550	0.07%	0.033%
82	7.278	7.247	7.303	VV	1046	13083	0.35%	0.168%
83	7.316	7.303	7.347	VV	157	3605	0.10%	0.046%
84	7.386	7.347	7.401	VV	268	5824	0.16%	0.075%
85	7.419	7.401	7.478	VV	1259	17812	0.48%	0.229%
86	7.485	7.478	7.494	VV	193	1678	0.05%	0.022%
87	7.509	7.494	7.540	VV	240	4292	0.12%	0.055%
88	7.560	7.540	7.578	VV	180	1863	0.05%	0.024%
89	7.596	7.578	7.608	VV	130	1172	0.03%	0.015%

					rteres			
90	7.628	7.608	7.640	VV	116	1671	0.04%	0.021%
91	7.681	7.640	7.704	VV	424	6774	0.18%	0.087%
92	7.714	7.704	7.724	VV	115	947	0.03%	0.012%
93	7.734	7.724	7.750	VV	119	1394	0.04%	0.018%
94	7.765	7.750	7.803	VV	173	4050	0.11%	0.052%
95	7.828	7.803	7.871	VV	194	3945	0.11%	0.051%
96	7.876	7.871	7.924	VV	147	1905	0.05%	0.024%
97	7.986	7.924	8.013	PV	594	8810	0.24%	0.113%
98	8.042	8.013	8.074	PV	608	8379	0.23%	0.108%
99	8.198	8.074	8.266	VV	841	32517	0.88%	0.418%
100	8.292	8.266	8.368	VV	4255	59610	1.60%	0.766%
101	8.390	8.368	8.422	VV	383	8091	0.22%	0.104%
102	8.430	8.422	8.464	VV	219	3337	0.09%	0.043%
103	8.484	8.464	8.501	VV	176	2655	0.07%	0.034%
104	8.526	8.501	8.556	VV	250	3616	0.10%	0.046%
105	8.576	8.556	8.594	VV	111	1554	0.04%	0.020%
106	8.631	8.594	8.674	VV	399	12216	0.33%	0.157%
107	8.682	8.674	8.691	VV	180	1668	0.04%	0.021%
108	8.704	8.691	8.724	VV	222	3631	0.10%	0.047%
109	8.752	8.724	8.771	VV	277	5945	0.16%	0.076%
110	8.784	8.771	8.811	VV	371	6559	0.18%	0.084%
111	8.831	8.811	8.874	VV	384	9597	0.26%	0.123%
112	8.894	8.874	8.931	VV	315	3913	0.11%	0.050%
113	8.945	8.931	8.961	VV	261	3349	0.09%	0.043%
114	9.013	8.961	9.036	VV	1462	31100	0.84%	0.400%
115	9.052	9.036	9.087	VV	433	10088	0.27%	0.130%
116	9.131	9.087	9.165	VV	964	23090	0.62%	0.297%
117	9.173	9.165	9.187	VV	189	2088	0.06%	0.027%
118	9.203	9.187	9.224	VV	282	4491	0.12%	0.058%
119	9.257	9.224	9.274	VV	221	4647	0.13%	0.060%
120	9.299	9.274	9.321	VV	196	3658	0.10%	0.047%
121	9.352	9.321	9.384	VV	207	5616	0.15%	0.072%
122	9.412	9.384	9.440	VV	381	8097	0.22%	0.104%
123	9.484	9.440	9.515	VV	646	12047	0.32%	0.155%
124	9.537	9.515	9.594	VV	376	9066	0.24%	0.116%
125	9.625	9.594	9.654	VV	442	8845	0.24%	0.114%
126	9.675	9.654	9.711	VV	1209	15877	0.43%	0.204%
127	9.718	9.711	9.748	VV	132	2779	0.07%	0.036%
128	9.768	9.748	9.787	VV	208	3326	0.09%	0.043%
129	9.814	9.787	9.874	VV	456	10177	0.27%	0.131%
130	9.896	9.874	9.947	VV	1277	19179	0.52%	0.246%
131	9.962	9.947	10.018	VV	171	6333	0.17%	0.081%
132	10.025	10.018	10.038	VV	159	1434	0.04%	0.018%
133	10.048	10.038	10.057	VV	159	1541	0.04%	0.020%
134	10.066	10.057	10.089	VV	129	2065	0.06%	0.027%
135	10.111	10.089	10.130	PV	176	2072	0.06%	0.027%
136	10.141	10.130	10.156	VV	128	1201	0.03%	0.015%
137	10.168	10.156	10.191	VV	157	2309	0.06%	0.030%
138	10.220	10.191	10.238	VV	209	4178	0.11%	0.054%
139	10.244	10.238	10.252	VV	144	1097	0.03%	0.014%
140	10.285	10.252	10.312	VV	438	8964	0.24%	0.115%
141	10.330	10.312	10.348	VV	297	4170	0.11%	0.054%

					rteres			
142	10.379	10.348	10.413	VV	273	6754	0.18%	0.087%
143	10.424	10.413	10.476	VV	142	4657	0.13%	0.060%
144	10.495	10.476	10.510	VV	239	3415	0.09%	0.044%
145	10.537	10.510	10.547	VV	251	4307	0.12%	0.055%
146	10.571	10.547	10.597	VV	378	7773	0.21%	0.100%
147	10.635	10.597	10.678	VV	517	13454	0.36%	0.173%
148	10.734	10.678	10.751	VV	639	15246	0.41%	0.196%
149	10.761	10.751	10.798	VV	542	8908	0.24%	0.114%
150	10.823	10.798	10.841	VV	279	4916	0.13%	0.063%
151	10.849	10.841	10.876	VV	310	3603	0.10%	0.046%
152	10.895	10.876	10.934	VV	189	4241	0.11%	0.054%
153	10.966	10.934	10.984	VV	201	4390	0.12%	0.056%
154	10.999	10.984	11.039	VV	232	6059	0.16%	0.078%
155	11.055	11.039	11.128	VV	198	6705	0.18%	0.086%
156	11.142	11.128	11.179	VV	324	5467	0.15%	0.070%
157	11.201	11.179	11.211	VV	135	1348	0.04%	0.017%
158	11.271	11.211	11.302	VV	5403	75154	2.02%	0.965%
159	11.344	11.302	11.410	VV	2681	48864	1.32%	0.628%
160	11.436	11.410	11.484	VV	1877	26986	0.73%	0.347%
161	11.494	11.484	11.546	VV	182	3361	0.09%	0.043%
162	11.565	11.546	11.617	VV	161	3833	0.10%	0.049%
163	11.624	11.617	11.643	VV	169	1880	0.05%	0.024%
164	11.655	11.643	11.675	VV	156	2556	0.07%	0.033%
165	11.735	11.675	11.781	VV	256	9436	0.25%	0.121%
166	11.797	11.781	11.858	VV	350	8035	0.22%	0.103%
167	11.879	11.858	11.895	VV	106	1411	0.04%	0.018%
168	11.956	11.895	11.963	VV	172	4551	0.12%	0.058%
169	11.975	11.963	11.987	VV	237	2490	0.07%	0.032%
170	12.006	11.987	12.081	VV	408	10720	0.29%	0.138%
171	12.154	12.081	12.198	VV	210	9023	0.24%	0.116%
172	12.228	12.198	12.268	VV	335	8435	0.23%	0.108%
173	12.301	12.268	12.331	VV	291	7295	0.20%	0.094%
174	12.343	12.331	12.362	VV	227	3055	0.08%	0.039%
175	12.384	12.362	12.407	VV	173	4470	0.12%	0.057%
176	12.466	12.407	12.488	VV	377	11304	0.30%	0.145%
177	12.509	12.488	12.568	VV	452	8968	0.24%	0.115%
178	12.590	12.568	12.624	VV	683	10757	0.29%	0.138%
179	12.651	12.624	12.733	VV	1460	23245	0.63%	0.299%
180	12.769	12.733	12.841	VV	365	9236	0.25%	0.119%
181	12.864	12.841	12.887	VV	114	2133	0.06%	0.027%
182	12.919	12.887	12.998	PV	197	8815	0.24%	0.113%
183	13.100	12.998	13.228	VV	328667	3715695	100.00%	47.730%
184	13.264	13.228	13.297	VV	749	14897	0.40%	0.191%
185	13.323	13.297	13.349	VV	254	7690	0.21%	0.099%
186	13.379	13.349	13.418	VV	278	9039	0.24%	0.116%
187	13.472	13.418	13.494	VV	265	11491	0.31%	0.148%
188	13.540	13.494	13.586	VV	246	12200	0.33%	0.157%
189	13.675	13.586	13.744	VV	500	22337	0.60%	0.287%
190	13.800	13.744	13.824	VV	688	15155	0.41%	0.195%
191	13.853	13.824	13.894	VV	1477	23883	0.64%	0.307%
192	13.914	13.894	13.951	VV	241	5879	0.16%	0.076%
193	13.964	13.951	13.981	VV	133	2359	0.06%	0.030%
194	14.079	13.981	14.178	VV	240	20491	0.55%	0.263%

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195	14.187	14.178	14.230	VV	192	4605	0.12%	0.059%
196	14.292	14.230	14.348	VV	1023	23112	0.62%	0.297%
197	14.415	14.348	14.451	VV	1158	23387	0.63%	0.300%
198	14.469	14.451	14.511	VV	223	5713	0.15%	0.073%
199	14.581	14.511	14.607	VV	319	11051	0.30%	0.142%
200	14.624	14.607	14.661	VV	250	5329	0.14%	0.068%
201	14.798	14.661	14.864	VV	449	21907	0.59%	0.281%
202	14.957	14.864	15.084	VV	2146	48441	1.30%	0.622%
203	15.131	15.084	15.154	VV	192	5581	0.15%	0.072%
204	15.167	15.154	15.188	VV	218	2468	0.07%	0.032%
205	15.207	15.188	15.277	VV	177	5054	0.14%	0.065%
206	15.294	15.277	15.328	PV	104	2777	0.07%	0.036%
207	15.370	15.328	15.409	VV	184	7255	0.20%	0.093%
208	15.478	15.409	15.561	VV	1998	38165	1.03%	0.490%
209	15.620	15.561	15.697	VV	184	7851	0.21%	0.101%
210	15.724	15.697	15.774	VV	149	4923	0.13%	0.063%
211	15.802	15.774	15.823	VV	233	5194	0.14%	0.067%
212	15.849	15.823	15.881	VV	233	6106	0.16%	0.078%
213	15.979	15.881	16.070	VV	2601	50344	1.35%	0.647%
214	16.149	16.070	16.256	PV	210	11258	0.30%	0.145%
215	16.290	16.256	16.314	VV	156	3688	0.10%	0.047%
216	16.338	16.314	16.391	VV	230	3683	0.10%	0.047%
217	16.464	16.391	16.528	PV	2438	38369	1.03%	0.493%
218	16.554	16.528	16.594	VV	96	3335	0.09%	0.043%
219	16.630	16.594	16.724	VV	188	7667	0.21%	0.098%
220	16.762	16.724	16.791	VV	193	4947	0.13%	0.064%
221	16.811	16.791	16.878	VV	211	6852	0.18%	0.088%
222	16.930	16.878	17.010	VV	2817	43043	1.16%	0.553%
223	17.029	17.010	17.078	VV	97	2059	0.06%	0.026%
224	17.106	17.078	17.121	VV	125	1459	0.04%	0.019%
225	17.219	17.121	17.247	VV	170	7060	0.19%	0.091%
226	17.269	17.247	17.293	VV	170	3084	0.08%	0.040%
227	17.382	17.293	17.444	PV	3507	56481	1.52%	0.726%
228	17.481	17.444	17.528	VV	163	6195	0.17%	0.080%
229	17.550	17.528	17.577	VV	143	3555	0.10%	0.046%
230	17.602	17.577	17.628	VV	166	3428	0.09%	0.044%
231	17.667	17.628	17.688	VV	251	5089	0.14%	0.065%
232	17.709	17.688	17.732	VV	174	3775	0.10%	0.048%
233	17.819	17.732	17.856	VV	3343	57226	1.54%	0.735%
234	17.872	17.856	17.911	VV	143	3036	0.08%	0.039%
235	17.967	17.911	18.030	PV	221	8298	0.22%	0.107%
236	18.094	18.030	18.124	VV	317	7921	0.21%	0.102%
237	18.142	18.124	18.168	VV	173	3139	0.08%	0.040%
238	18.243	18.168	18.288	VV	4313	67405	1.81%	0.866%
239	18.299	18.288	18.351	VV	116	2389	0.06%	0.031%
240	18.427	18.351	18.544	PV	290	8581	0.23%	0.110%
241	18.576	18.544	18.601	VV	185	3077	0.08%	0.040%
242	18.654	18.601	18.708	VV	3578	57697	1.55%	0.741%
243	18.912	18.708	18.941	PV	207	6011	0.16%	0.077%
244	18.958	18.941	18.992	VV	94	1868	0.05%	0.024%
245	19.051	18.992	19.121	PV	3605	56348	1.52%	0.724%
246	19.222	19.121	19.274	VV	208	12309	0.33%	0.158%

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247	19.300	19.274	19.321	VV	344	5953	0.16%	0.076%	
248	19.349	19.321	19.386	VV	272	7076	0.19%	0.091%	
249	19.438	19.386	19.511	VV	2842	53269	1.43%	0.684%	
250	19.682	19.511	19.701	VV	579	41072	1.11%	0.528%	
251	19.727	19.701	19.764	VV	669	20577	0.55%	0.264%	
252	19.815	19.764	19.854	VV	2487	57982	1.56%	0.745%	
253	20.052	19.854	20.067	VV	1095	109174	2.94%	1.402%	
254	20.092	20.067	20.114	VV	1200	31360	0.84%	0.403%	
255	20.181	20.114	20.213	VV	2741	94700	2.55%	1.216%	
256	20.454	20.213	20.480	VV	1823	249867	6.72%	3.210%	
257	20.544	20.480	20.584	VV	2465	117493	3.16%	1.509%	
258	20.740	20.584	20.764	VV	1871	190324	5.12%	2.445%	
259	20.779	20.764	20.817	VV	1828	56216	1.51%	0.722%	
260	20.837	20.817	20.893	VV	1738	75884	2.04%	0.975%	
261	20.945	20.893	20.988	VV	2319	101107	2.72%	1.299%	
262	21.005	20.988	21.151	VV	1529	135720	3.65%	1.743%	
263	21.221	21.151	21.248	VV	1235	70904	1.91%	0.911%	
264	21.292	21.248	21.357	VV	1204	73267	1.97%	0.941%	
265	21.400	21.357	21.461	VV	1305	66609	1.79%	0.856%	
266	21.484	21.461	21.598	VV	959	68766	1.85%	0.883%	
267	21.614	21.598	21.658	VV	789	26265	0.71%	0.337%	
268	21.695	21.658	21.718	VV	693	24224	0.65%	0.311%	
269	21.807	21.718	21.828	VV	643	40268	1.08%	0.517%	
270	21.838	21.828	21.850	VV	586	7575	0.20%	0.097%	
271	21.905	21.850	22.034	VV	957	62235	1.67%	0.799%	
272	22.073	22.034	22.133	VV	302	13964	0.38%	0.179%	
273	22.155	22.133	22.184	VV	185	3463	0.09%	0.044%	
					Sum of corrected areas:	7784768			

Aliphatic EPH 080125.M Tue Aug 26 03:59:28 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelle Ave	Date Received:	08/15/25
Client Sample ID:	3-FLOOR-SOUTH-E	SDG No.:	Q2892
Lab Sample ID:	Q2892-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049663.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.26	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.44	J	0.44	1.82	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.30	U	1.30	2.92	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.5		40 - 140	103%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.6		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.9		40 - 140	58%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-09	Acq On:	23 Aug 2025 06:08
Client Sample ID:	3-FLOOR-SOUTH-E	Operator:	YP/AJ
Data file:	FD049663.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	480230	4.449	200	ug/ml
Aromatic C12-C16	6.151	8.778	443593	3.59	300	ug/ml
Aromatic C16-C21	8.779	13.069	2492281	19.704	500	ug/ml
Aromatic C21-C36	13.070	18.489	1496655	13.29	800	ug/ml
Aromatic EPH	4.407	18.489	4912759	41.032		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	5279088	51.51		ug/ml
2-Fluorobiphenyl (SURR)	8.581	8.581	3767529	51.58		ug/ml
ortho-Terphenyl (SURR)	11.625	11.625	3745038	28.85		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049663.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 06:08
 Operator : YP/AJ
 Sample : Q2892-09
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 3-FLOOR-SOUTH-E

Integration File: sample.E
 Quant Time: Aug 25 01:53:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.716	5279088	51.510 ug/ml
Spiked Amount 50.000		Recovery =	103.02%
6) S 2-Fluorobiphenyl (SURR)	8.581	3767529	51.578 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	103.16%
11) S ortho-Terphenyl (SURR)	11.625	3745038	28.854 ug/ml
Spiked Amount 50.000		Recovery =	57.71%

Target Compounds

(f)=RT Delta > 1/2 Window

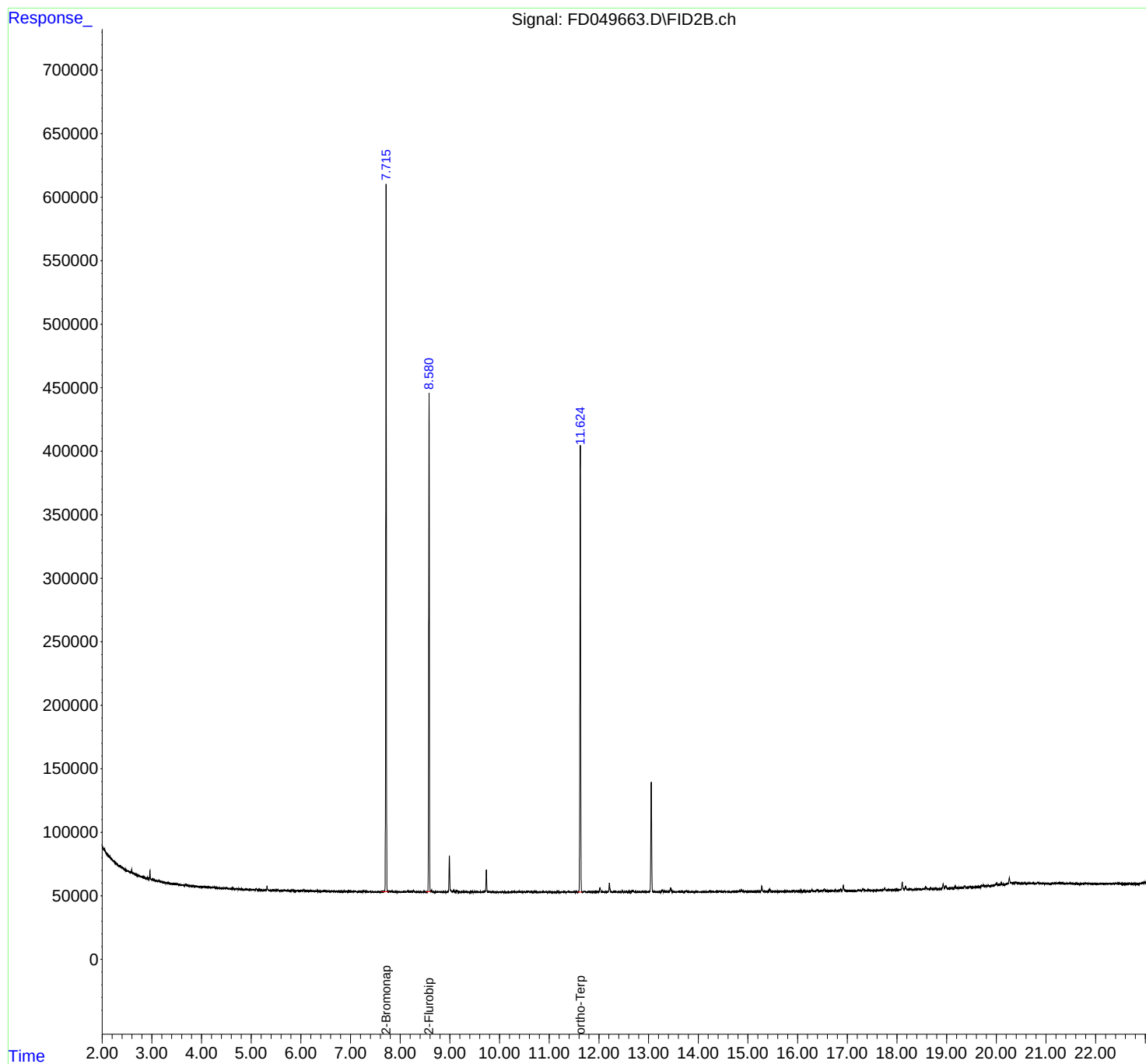
(m)=manual int.

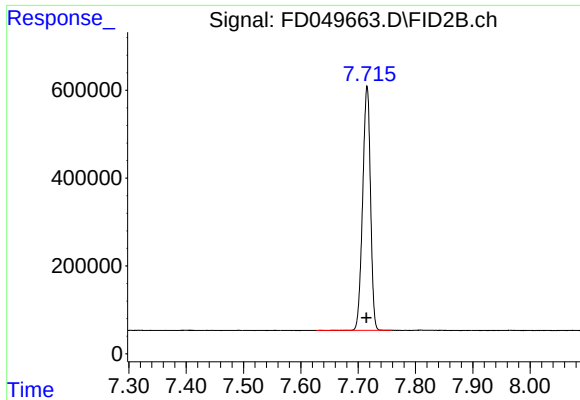
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049663.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 06:08
Operator : YP/AJ
Sample : Q2892-09
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
3-FLOOR-SOUTH-E

Integration File: sample.E
Quant Time: Aug 25 01:53:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

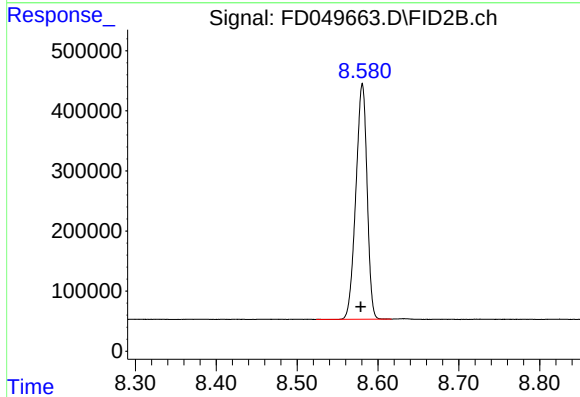




#4 2-Bromonaphthalene (SURRE)

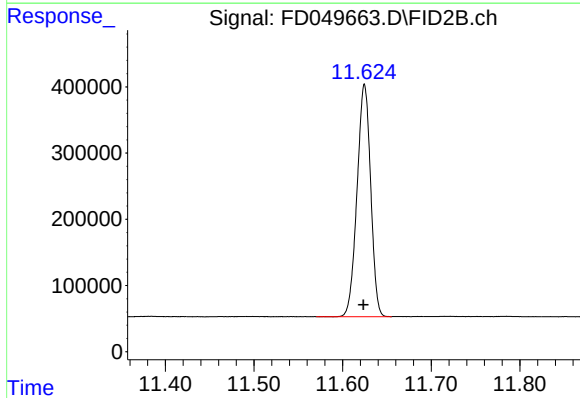
R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 5279088
Conc: 51.51 ug/ml

Instrument :
FID_D
ClientSampleId :
3-FLOOR-SOUTH-E



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.581 min
Delta R.T.: 0.002 min
Response: 3767529
Conc: 51.58 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.625 min
Delta R.T.: 0.001 min
Response: 3745038
Conc: 28.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049663.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 06:08
 Sample : Q2892-09
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.262	4.252	4.298	PH	1594	36966	0.70%	0.207%
2	4.305	4.298	4.322	VV	1308	17555	0.33%	0.098%
3	4.325	4.322	4.380	VV	1240	38615	0.73%	0.216%
4	4.385	4.380	4.391	VV	1046	6321	0.12%	0.035%
5	4.393	4.391	4.437	VV	971	25344	0.48%	0.142%
6	4.466	4.437	4.479	VV	1475	26934	0.51%	0.151%
7	4.491	4.479	4.525	VV	1148	28746	0.54%	0.161%
8	4.531	4.525	4.574	VV	1011	25139	0.47%	0.141%
9	4.582	4.574	4.597	VV	1018	10595	0.20%	0.059%
10	4.610	4.597	4.623	VV	1325	16478	0.31%	0.092%
11	4.634	4.623	4.650	VV	1156	14998	0.28%	0.084%
12	4.655	4.650	4.659	VV	566	2930	0.06%	0.016%
13	4.667	4.659	4.673	VV	691	4873	0.09%	0.027%
14	4.688	4.673	4.701	VV	895	13384	0.25%	0.075%
15	4.719	4.701	4.733	VV	1282	17534	0.33%	0.098%
16	4.738	4.733	4.747	VV	829	5641	0.11%	0.032%
17	4.758	4.747	4.767	VV	750	7331	0.14%	0.041%
18	4.774	4.767	4.790	VV	666	7895	0.15%	0.044%
19	4.800	4.790	4.812	VV	805	8474	0.16%	0.047%
20	4.815	4.812	4.830	VV	821	6945	0.13%	0.039%
21	4.836	4.830	4.857	VV	494	6547	0.12%	0.037%
22	4.884	4.857	4.890	VV	578	8020	0.15%	0.045%
23	4.896	4.890	4.924	VV	631	9786	0.18%	0.055%
24	4.933	4.924	4.953	VV	700	7291	0.14%	0.041%
25	4.957	4.953	4.963	VV	423	1871	0.04%	0.010%
26	4.978	4.963	5.003	VV	409	7181	0.14%	0.040%
27	5.007	5.003	5.012	VV	381	1710	0.03%	0.010%
28	5.027	5.012	5.035	VV	542	5949	0.11%	0.033%
29	5.039	5.035	5.050	VV	551	3975	0.08%	0.022%
30	5.056	5.050	5.066	VV	447	4055	0.08%	0.023%
31	5.074	5.066	5.081	VV	519	3431	0.06%	0.019%
32	5.100	5.081	5.127	VV	1653	20764	0.39%	0.116%
33	5.132	5.127	5.142	VV	401	2294	0.04%	0.013%
34	5.155	5.142	5.166	VV	538	5019	0.09%	0.028%
35	5.171	5.166	5.239	VV	452	11165	0.21%	0.062%
36	5.279	5.273	5.292	VV	227	2198	0.04%	0.012%

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37	5.299	5.292	5.305	VV	456	2818	0.05%	0.016%
38	5.318	5.305	5.351	VV	3512	36850	0.70%	0.206%
39	5.357	5.351	5.377	VV	363	4591	0.09%	0.026%
40	5.382	5.377	5.414	VV	376	4768	0.09%	0.027%
41	5.425	5.414	5.432	VV	331	2313	0.04%	0.013%
42	5.441	5.432	5.448	VV	337	2768	0.05%	0.015%
43	5.454	5.448	5.483	VV	561	6935	0.13%	0.039%
44	5.502	5.483	5.524	VV	658	8548	0.16%	0.048%
45	5.545	5.524	5.563	VV	799	9397	0.18%	0.053%
46	5.568	5.563	5.577	VV	226	1452	0.03%	0.008%
47	5.584	5.577	5.588	VV	278	1291	0.02%	0.007%
48	5.596	5.588	5.625	VV	523	5500	0.10%	0.031%
49	5.637	5.625	5.653	VV	267	3567	0.07%	0.020%
50	5.658	5.653	5.670	VV	345	3198	0.06%	0.018%
51	5.690	5.670	5.704	VV	491	7079	0.13%	0.040%
52	5.708	5.704	5.733	VV	284	3505	0.07%	0.020%
53	5.740	5.733	5.745	VV	347	1738	0.03%	0.010%
54	5.749	5.745	5.795	VV	381	5721	0.11%	0.032%
55	5.805	5.795	5.810	VV	204	1429	0.03%	0.008%
56	5.836	5.810	5.857	VV	420	7208	0.14%	0.040%
57	5.862	5.857	5.868	VV	255	1229	0.02%	0.007%
58	5.875	5.868	5.897	VV	303	2685	0.05%	0.015%
59	5.927	5.907	5.935	PV	325	2842	0.05%	0.016%
60	5.956	5.935	5.971	VV	424	6225	0.12%	0.035%
61	5.983	5.971	5.998	VV	407	4694	0.09%	0.026%
62	6.018	5.998	6.030	VV	520	6226	0.12%	0.035%
63	6.053	6.030	6.071	VV	1623	19261	0.36%	0.108%
64	6.098	6.071	6.123	VV	468	9866	0.19%	0.055%
65	6.137	6.123	6.162	VV	503	7373	0.14%	0.041%
66	6.200	6.162	6.249	VV	664	17789	0.34%	0.099%
67	6.256	6.249	6.263	VV	362	1848	0.03%	0.010%
68	6.273	6.263	6.288	VV	331	3391	0.06%	0.019%
69	6.298	6.288	6.313	VV	329	3221	0.06%	0.018%
70	6.327	6.313	6.390	VV	895	14690	0.28%	0.082%
71	6.414	6.390	6.428	VV	289	4228	0.08%	0.024%
72	6.438	6.428	6.455	VV	405	4023	0.08%	0.022%
73	6.481	6.455	6.497	VV	1056	11570	0.22%	0.065%
74	6.511	6.504	6.516	VV	202	1144	0.02%	0.006%
75	6.525	6.516	6.532	VV	397	2580	0.05%	0.014%
76	6.541	6.532	6.552	VV	373	3047	0.06%	0.017%
77	6.558	6.552	6.564	VV	369	2198	0.04%	0.012%
78	6.571	6.564	6.582	VV	302	2148	0.04%	0.012%
79	6.600	6.582	6.612	VV	446	4651	0.09%	0.026%
80	6.628	6.612	6.647	VV	513	5521	0.10%	0.031%
81	6.666	6.647	6.690	VV	430	4714	0.09%	0.026%
82	6.701	6.690	6.727	VV	342	3575	0.07%	0.020%
83	6.740	6.727	6.750	VV	299	2712	0.05%	0.015%
84	6.758	6.750	6.777	VV	283	3065	0.06%	0.017%
85	6.786	6.777	6.803	VV	260	2034	0.04%	0.011%
86	6.821	6.815	6.831	PV	186	1340	0.03%	0.007%
87	6.840	6.831	6.856	VV	347	3690	0.07%	0.021%
88	6.860	6.856	6.866	VV	244	1309	0.02%	0.007%
89	6.873	6.866	6.893	VV	387	3395	0.06%	0.019%

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90	6.905	6.893	6.911	VV	290	2108	0.04%	0.012%
91	6.925	6.911	6.940	VV	370	4412	0.08%	0.025%
92	6.953	6.940	6.962	VV	287	2986	0.06%	0.017%
93	6.973	6.962	6.996	VV	422	6004	0.11%	0.034%
94	7.005	6.996	7.023	VV	396	5209	0.10%	0.029%
95	7.036	7.023	7.055	VV	621	6518	0.12%	0.036%
96	7.100	7.055	7.124	VV	682	13457	0.25%	0.075%
97	7.128	7.124	7.139	VV	206	1211	0.02%	0.007%
98	7.143	7.139	7.168	VV	173	1987	0.04%	0.011%
99	7.180	7.168	7.193	VV	309	2641	0.05%	0.015%
100	7.205	7.193	7.223	VV	283	3729	0.07%	0.021%
101	7.230	7.223	7.235	VV	266	1444	0.03%	0.008%
102	7.262	7.235	7.297	VV	845	17075	0.32%	0.095%
103	7.304	7.297	7.309	VV	367	2061	0.04%	0.012%
104	7.317	7.309	7.337	VV	444	4522	0.09%	0.025%
105	7.346	7.337	7.357	VV	261	2129	0.04%	0.012%
106	7.365	7.357	7.383	VV	298	2163	0.04%	0.012%
107	7.400	7.383	7.424	VV	575	6948	0.13%	0.039%
108	7.437	7.424	7.442	VV	403	2222	0.04%	0.012%
109	7.446	7.442	7.460	VV	353	1886	0.04%	0.011%
110	7.492	7.460	7.502	VV	420	5075	0.10%	0.028%
111	7.506	7.502	7.512	VV	226	1217	0.02%	0.007%
112	7.537	7.512	7.543	VV	279	2495	0.05%	0.014%
113	7.553	7.543	7.577	VV	328	5267	0.10%	0.029%
114	7.580	7.577	7.599	VV	323	1719	0.03%	0.010%
115	7.607	7.599	7.619	PV	293	2132	0.04%	0.012%
116	7.635	7.619	7.645	VV	480	4576	0.09%	0.026%
117	7.663	7.645	7.685	VV	599	10630	0.20%	0.059%
118	7.716	7.685	7.767	VV	557501	5298608	100.00%	29.626%
119	7.772	7.767	7.780	VV	498	3383	0.06%	0.019%
120	7.783	7.780	7.793	VV	539	2989	0.06%	0.017%
121	7.810	7.793	7.839	VV	941	17477	0.33%	0.098%
122	7.846	7.839	7.863	VV	564	5885	0.11%	0.033%
123	7.871	7.863	7.879	VV	272	1924	0.04%	0.011%
124	7.887	7.879	7.897	VV	379	2344	0.04%	0.013%
125	7.904	7.897	7.917	VV	373	2821	0.05%	0.016%
126	7.920	7.917	7.927	VV	242	1130	0.02%	0.006%
127	7.932	7.927	7.940	VV	334	1657	0.03%	0.009%
128	7.966	7.940	8.008	VV	543	10694	0.20%	0.060%
129	8.021	8.017	8.045	VV	447	3611	0.07%	0.020%
130	8.057	8.045	8.065	PV	297	2590	0.05%	0.014%
131	8.074	8.065	8.088	VV	489	4114	0.08%	0.023%
132	8.094	8.088	8.107	VV	350	3290	0.06%	0.018%
133	8.113	8.107	8.128	VV	337	3944	0.07%	0.022%
134	8.170	8.128	8.203	VV	747	23783	0.45%	0.133%
135	8.211	8.203	8.229	VV	470	6295	0.12%	0.035%
136	8.238	8.229	8.243	VV	483	3542	0.07%	0.020%
137	8.249	8.243	8.253	VV	538	2780	0.05%	0.016%
138	8.268	8.253	8.305	VV	1305	20609	0.39%	0.115%
139	8.306	8.305	8.322	VV	430	2991	0.06%	0.017%
140	8.327	8.322	8.347	VV	452	4649	0.09%	0.026%
141	8.367	8.355	8.373	VV	465	3480	0.07%	0.019%

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142	8.383	8.373	8.402	VV	487	5916	0.11%	0.033%
143	8.409	8.402	8.416	VV	358	2581	0.05%	0.014%
144	8.422	8.416	8.440	VV	465	4208	0.08%	0.024%
145	8.474	8.440	8.488	VV	496	9809	0.19%	0.055%
146	8.502	8.488	8.509	VV	519	4728	0.09%	0.026%
147	8.515	8.509	8.523	VV	475	2841	0.05%	0.016%
148	8.526	8.523	8.543	VV	317	2454	0.05%	0.014%
149	8.581	8.543	8.617	VV	391700	3793762	71.60%	21.212%
150	8.632	8.617	8.664	VV	1380	21101	0.40%	0.118%
151	8.671	8.664	8.687	VV	454	5190	0.10%	0.029%
152	8.692	8.687	8.701	VV	401	2604	0.05%	0.015%
153	8.709	8.701	8.714	VV	299	2090	0.04%	0.012%
154	8.726	8.714	8.745	VV	595	8379	0.16%	0.047%
155	8.750	8.745	8.757	VV	367	2406	0.05%	0.013%
156	8.760	8.757	8.764	VV	402	1598	0.03%	0.009%
157	8.781	8.764	8.797	VV	480	7029	0.13%	0.039%
158	8.811	8.797	8.815	VV	426	3411	0.06%	0.019%
159	8.824	8.815	8.850	VV	557	7965	0.15%	0.045%
160	8.855	8.850	8.864	VV	502	2838	0.05%	0.016%
161	8.891	8.864	8.907	VV	573	8650	0.16%	0.048%
162	8.927	8.907	8.936	VV	420	5679	0.11%	0.032%
163	8.989	8.936	9.010	VV	28739	304826	5.75%	1.704%
164	9.015	9.010	9.037	VV	1843	19261	0.36%	0.108%
165	9.045	9.037	9.055	VV	655	5834	0.11%	0.033%
166	9.072	9.055	9.094	VV	1779	22088	0.42%	0.124%
167	9.099	9.094	9.103	VV	581	2708	0.05%	0.015%
168	9.111	9.103	9.128	VV	762	9613	0.18%	0.054%
169	9.141	9.128	9.166	VV	1513	18620	0.35%	0.104%
170	9.181	9.166	9.210	VV	321	5019	0.09%	0.028%
171	9.220	9.210	9.225	VV	258	1950	0.04%	0.011%
172	9.230	9.225	9.243	VV	303	2611	0.05%	0.015%
173	9.278	9.243	9.305	VV	864	17188	0.32%	0.096%
174	9.329	9.305	9.339	VV	567	8110	0.15%	0.045%
175	9.344	9.339	9.355	VV	321	2312	0.04%	0.013%
176	9.359	9.355	9.365	VV	231	1228	0.02%	0.007%
177	9.378	9.365	9.388	VV	269	2723	0.05%	0.015%
178	9.455	9.418	9.478	VV	655	12071	0.23%	0.067%
179	9.481	9.478	9.497	VV	462	2822	0.05%	0.016%
180	9.527	9.497	9.532	VV	479	6594	0.12%	0.037%
181	9.535	9.532	9.541	VV	419	1678	0.03%	0.009%
182	9.560	9.541	9.577	VV	350	6294	0.12%	0.035%
183	9.594	9.577	9.610	VV	472	7070	0.13%	0.040%
184	9.617	9.610	9.625	VV	522	3008	0.06%	0.017%
185	9.644	9.625	9.652	VV	556	6253	0.12%	0.035%
186	9.655	9.652	9.671	VV	533	4739	0.09%	0.026%
187	9.677	9.671	9.683	VV	341	1990	0.04%	0.011%
188	9.702	9.683	9.715	VV	846	11502	0.22%	0.064%
189	9.734	9.715	9.763	VV	17794	180027	3.40%	1.007%
190	9.771	9.763	9.785	VV	537	4986	0.09%	0.028%
191	9.803	9.785	9.812	VV	519	6104	0.12%	0.034%
192	9.819	9.812	9.847	VV	363	5826	0.11%	0.033%
193	9.866	9.847	9.897	VV	633	10987	0.21%	0.061%
194	9.907	9.897	9.922	VV	383	3316	0.06%	0.019%

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195	9.926	9.922	9.932	VV	246	1217	0.02%	0.007%
196	9.938	9.932	9.943	VV	249	1464	0.03%	0.008%
197	9.949	9.943	9.962	VV	374	2940	0.06%	0.016%
198	9.974	9.962	9.985	VV	363	3077	0.06%	0.017%
199	9.990	9.985	9.997	VV	263	1341	0.03%	0.007%
200	10.037	9.997	10.052	VV	381	8161	0.15%	0.046%
201	10.064	10.052	10.079	VV	494	5294	0.10%	0.030%
202	10.094	10.079	10.101	VV	350	3045	0.06%	0.017%
203	10.105	10.101	10.129	VV	221	2571	0.05%	0.014%
204	10.153	10.129	10.180	VV	179	4056	0.08%	0.023%
205	10.187	10.180	10.198	VV	328	2453	0.05%	0.014%
206	10.203	10.198	10.215	VV	424	3284	0.06%	0.018%
207	10.222	10.215	10.243	VV	427	5260	0.10%	0.029%
208	10.248	10.243	10.271	VV	365	5052	0.10%	0.028%
209	10.289	10.271	10.313	VV	510	8281	0.16%	0.046%
210	10.322	10.313	10.335	VV	581	4788	0.09%	0.027%
211	10.344	10.335	10.350	VV	261	2105	0.04%	0.012%
212	10.358	10.350	10.373	VV	401	4202	0.08%	0.023%
213	10.389	10.373	10.408	VV	747	9367	0.18%	0.052%
214	10.411	10.408	10.449	VV	394	7517	0.14%	0.042%
215	10.457	10.449	10.465	VV	292	2190	0.04%	0.012%
216	10.487	10.465	10.503	VV	670	10120	0.19%	0.057%
217	10.507	10.503	10.521	VV	422	3035	0.06%	0.017%
218	10.555	10.521	10.572	VV	673	14105	0.27%	0.079%
219	10.583	10.572	10.607	VV	859	13105	0.25%	0.073%
220	10.614	10.607	10.626	VV	370	3697	0.07%	0.021%
221	10.630	10.626	10.635	VV	325	1523	0.03%	0.009%
222	10.651	10.635	10.661	VV	398	4705	0.09%	0.026%
223	10.673	10.661	10.684	VV	394	4277	0.08%	0.024%
224	10.699	10.684	10.730	VV	937	13311	0.25%	0.074%
225	10.734	10.730	10.738	VV	337	1245	0.02%	0.007%
226	10.741	10.738	10.750	VV	340	1463	0.03%	0.008%
227	10.755	10.750	10.770	VV	178	1352	0.03%	0.008%
228	10.783	10.770	10.786	VV	194	1039	0.02%	0.006%
229	10.794	10.786	10.803	VV	235	1894	0.04%	0.011%
230	10.814	10.803	10.824	VV	331	2326	0.04%	0.013%
231	10.854	10.824	10.870	VV	693	10410	0.20%	0.058%
232	10.887	10.870	10.892	VV	388	3566	0.07%	0.020%
233	10.895	10.892	10.899	VV	319	1096	0.02%	0.006%
234	10.902	10.899	10.907	VV	303	1211	0.02%	0.007%
235	10.930	10.907	10.957	VV	542	9486	0.18%	0.053%
236	10.976	10.957	10.987	VV	401	5050	0.10%	0.028%
237	11.006	10.987	11.019	VV	418	6599	0.12%	0.037%
238	11.028	11.019	11.047	VV	396	4844	0.09%	0.027%
239	11.055	11.047	11.061	VV	279	1416	0.03%	0.008%
240	11.070	11.061	11.078	VV	188	1369	0.03%	0.008%
241	11.095	11.078	11.130	VV	262	4358	0.08%	0.024%
242	11.140	11.130	11.155	VV	427	3420	0.06%	0.019%
243	11.180	11.155	11.201	VV	379	6169	0.12%	0.034%
244	11.234	11.201	11.260	VV	377	6856	0.13%	0.038%
245	11.268	11.260	11.282	VV	423	4202	0.08%	0.023%
246	11.299	11.282	11.332	VV	650	10328	0.19%	0.058%

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247	11.343	11.332	11.347	VV	293	1720	0.03%	0.010%
248	11.355	11.347	11.363	VV	288	2347	0.04%	0.013%
249	11.385	11.363	11.431	VV	875	17621	0.33%	0.099%
250	11.436	11.431	11.445	VV	319	1302	0.02%	0.007%
251	11.462	11.445	11.470	PV	364	3419	0.06%	0.019%
252	11.491	11.470	11.520	VV	533	11313	0.21%	0.063%
253	11.531	11.520	11.535	VV	336	2236	0.04%	0.013%
254	11.542	11.535	11.563	VV	439	4612	0.09%	0.026%
255	11.568	11.563	11.590	VV	320	3715	0.07%	0.021%
256	11.625	11.590	11.655	VV	351008	3755015	70.87%	20.995%
257	11.669	11.655	11.677	VV	479	5023	0.09%	0.028%
258	11.686	11.677	11.697	VV	528	5187	0.10%	0.029%
259	11.721	11.697	11.746	VV	785	15207	0.29%	0.085%
260	11.752	11.746	11.770	VV	533	5915	0.11%	0.033%
261	11.785	11.770	11.808	VV	793	10897	0.21%	0.061%
262	11.816	11.808	11.833	VV	275	3259	0.06%	0.018%
263	11.835	11.833	11.844	VV	281	1164	0.02%	0.007%
264	11.852	11.844	11.869	VV	384	3011	0.06%	0.017%
265	11.879	11.869	11.908	VV	438	3542	0.07%	0.020%
266	11.930	11.908	11.944	VV	464	4898	0.09%	0.027%
267	11.951	11.944	11.980	VV	524	6459	0.12%	0.036%
268	12.022	11.980	12.053	VV	3704	51115	0.96%	0.286%
269	12.060	12.053	12.067	VV	628	4302	0.08%	0.024%
270	12.071	12.067	12.095	VV	600	7570	0.14%	0.042%
271	12.103	12.095	12.117	VV	558	4775	0.09%	0.027%
272	12.123	12.117	12.128	VV	350	2000	0.04%	0.011%
273	12.144	12.128	12.168	VV	384	5941	0.11%	0.033%
274	12.182	12.168	12.186	VV	386	3270	0.06%	0.018%
275	12.210	12.186	12.247	VV	7274	92808	1.75%	0.519%
276	12.252	12.247	12.258	VV	482	2705	0.05%	0.015%
277	12.262	12.258	12.266	VV	463	1762	0.03%	0.010%
278	12.270	12.266	12.277	VV	477	2277	0.04%	0.013%
279	12.297	12.277	12.314	VV	565	9559	0.18%	0.053%
280	12.330	12.314	12.343	VV	697	8955	0.17%	0.050%
281	12.347	12.343	12.368	VV	699	6562	0.12%	0.037%
282	12.375	12.368	12.393	VV	432	5607	0.11%	0.031%
283	12.399	12.393	12.410	VV	429	3791	0.07%	0.021%
284	12.415	12.410	12.428	VV	448	3257	0.06%	0.018%
285	12.436	12.428	12.440	VV	378	1909	0.04%	0.011%
286	12.445	12.440	12.450	VV	355	1771	0.03%	0.010%
287	12.472	12.450	12.497	VV	1064	16474	0.31%	0.092%
288	12.509	12.497	12.523	VV	449	4137	0.08%	0.023%
289	12.548	12.523	12.578	VV	810	12895	0.24%	0.072%
290	12.589	12.578	12.593	VV	415	2382	0.04%	0.013%
291	12.612	12.593	12.628	VV	857	10116	0.19%	0.057%
292	12.635	12.628	12.648	VV	296	2565	0.05%	0.014%
293	12.690	12.648	12.718	VV	1483	31106	0.59%	0.174%
294	12.739	12.718	12.744	VV	598	7377	0.14%	0.041%
295	12.746	12.744	12.772	VV	528	5745	0.11%	0.032%
296	12.775	12.772	12.787	VV	336	2158	0.04%	0.012%
297	12.799	12.787	12.816	VV	410	5623	0.11%	0.031%
298	12.826	12.816	12.858	VV	401	8036	0.15%	0.045%
299	12.867	12.858	12.872	VV	404	2692	0.05%	0.015%

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300	12.877	12.872	12.882	VV	453	2404	0.05%	0.013%
301	12.887	12.882	12.897	VV	472	3370	0.06%	0.019%
302	12.903	12.897	12.909	VV	421	2543	0.05%	0.014%
303	12.925	12.909	12.929	VV	408	4259	0.08%	0.024%
304	12.937	12.929	12.947	VV	396	3489	0.07%	0.020%
305	12.964	12.947	12.988	VV	663	10325	0.19%	0.058%
306	13.011	12.988	13.023	VV	843	9918	0.19%	0.055%
307	13.054	13.023	13.083	VV	86626	1031712	19.47%	5.769%
308	13.097	13.083	13.118	VV	694	10041	0.19%	0.056%
309	13.127	13.118	13.145	VV	546	6417	0.12%	0.036%
310	13.150	13.145	13.168	VV	382	4090	0.08%	0.023%
311	13.177	13.168	13.195	VV	406	3834	0.07%	0.021%
312	13.228	13.195	13.242	PV	505	8049	0.15%	0.045%
313	13.244	13.242	13.253	VV	329	1836	0.03%	0.010%
314	13.273	13.253	13.321	VV	1939	35397	0.67%	0.198%
315	13.328	13.321	13.360	VV	566	9861	0.19%	0.055%
316	13.375	13.360	13.410	VV	462	10919	0.21%	0.061%
317	13.443	13.410	13.479	VV	3584	55795	1.05%	0.312%
318	13.485	13.479	13.500	VV	704	5559	0.10%	0.031%
319	13.510	13.500	13.515	VV	462	3597	0.07%	0.020%
320	13.526	13.515	13.537	VV	623	5158	0.10%	0.029%
321	13.542	13.537	13.550	VV	447	3028	0.06%	0.017%
322	13.557	13.550	13.565	VV	508	3258	0.06%	0.018%
323	13.576	13.565	13.582	VV	328	2776	0.05%	0.016%
324	13.595	13.582	13.642	VV	584	14230	0.27%	0.080%
325	13.647	13.642	13.651	VV	421	1404	0.03%	0.008%
326	13.672	13.651	13.696	VV	623	10452	0.20%	0.058%
327	13.700	13.696	13.717	VV	225	2287	0.04%	0.013%
328	13.755	13.717	13.785	VV	1157	20057	0.38%	0.112%
329	13.806	13.785	13.827	VV	523	8351	0.16%	0.047%
330	13.834	13.827	13.845	VV	261	1897	0.04%	0.011%
331	13.852	13.845	13.857	VV	303	1564	0.03%	0.009%
332	13.861	13.857	13.871	VV	357	2228	0.04%	0.012%
333	13.885	13.871	13.900	VV	385	3956	0.07%	0.022%
334	13.912	13.900	13.914	VV	249	1598	0.03%	0.009%
335	13.919	13.914	13.930	VV	358	2728	0.05%	0.015%
336	13.938	13.930	13.943	VV	375	2343	0.04%	0.013%
337	13.950	13.943	13.956	VV	390	2362	0.04%	0.013%
338	13.960	13.956	13.982	VV	299	4012	0.08%	0.022%
339	14.036	13.982	14.063	VV	393	11511	0.22%	0.064%
340	14.088	14.063	14.117	VV	415	7111	0.13%	0.040%
341	14.132	14.117	14.147	VV	262	4094	0.08%	0.023%
342	14.154	14.147	14.178	VV	514	3857	0.07%	0.022%
343	14.196	14.178	14.206	PV	247	3140	0.06%	0.018%
344	14.239	14.206	14.265	VV	1120	18975	0.36%	0.106%
345	14.275	14.265	14.321	VV	359	8592	0.16%	0.048%
346	14.334	14.321	14.350	VV	398	3689	0.07%	0.021%
347	14.366	14.350	14.406	VV	486	11146	0.21%	0.062%
348	14.416	14.406	14.428	VV	422	4279	0.08%	0.024%
349	14.434	14.428	14.488	VV	460	10617	0.20%	0.059%
350	14.526	14.488	14.563	VV	563	13815	0.26%	0.077%
351	14.581	14.563	14.595	VV	330	4658	0.09%	0.026%

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352	14.603	14.595	14.614	VV	354	2845	0.05%	0.016%
353	14.629	14.614	14.648	VV	282	3920	0.07%	0.022%
354	14.683	14.648	14.710	VV	395	9083	0.17%	0.051%
355	14.740	14.710	14.787	VV	433	16658	0.31%	0.093%
356	14.802	14.787	14.822	VV	420	7252	0.14%	0.041%
357	14.873	14.822	14.892	VV	1073	28030	0.53%	0.157%
358	14.902	14.892	14.931	VV	851	13333	0.25%	0.075%
359	14.947	14.931	14.983	VV	535	9071	0.17%	0.051%
360	15.013	14.983	15.023	VV	280	5252	0.10%	0.029%
361	15.036	15.023	15.052	VV	290	3641	0.07%	0.020%
362	15.088	15.052	15.128	VV	403	10942	0.21%	0.061%
363	15.141	15.128	15.155	VV	252	3216	0.06%	0.018%
364	15.165	15.155	15.178	VV	324	3470	0.07%	0.019%
365	15.197	15.178	15.230	VV	496	8395	0.16%	0.047%
366	15.237	15.230	15.248	VV	304	2330	0.04%	0.013%
367	15.278	15.248	15.316	VV	4535	65679	1.24%	0.367%
368	15.324	15.316	15.341	VV	442	5208	0.10%	0.029%
369	15.355	15.341	15.374	VV	302	4620	0.09%	0.026%
370	15.390	15.374	15.402	VV	269	3520	0.07%	0.020%
371	15.441	15.402	15.464	VV	2073	34952	0.66%	0.195%
372	15.471	15.464	15.530	VV	411	12909	0.24%	0.072%
373	15.540	15.530	15.600	VV	390	10178	0.19%	0.057%
374	15.632	15.600	15.653	PV	356	8490	0.16%	0.047%
375	15.662	15.653	15.678	VV	436	4425	0.08%	0.025%
376	15.698	15.678	15.727	VV	336	7517	0.14%	0.042%
377	15.752	15.727	15.777	VV	486	9309	0.18%	0.052%
378	15.793	15.777	15.819	VV	538	9579	0.18%	0.054%
379	15.854	15.819	15.881	VV	465	12033	0.23%	0.067%
380	15.925	15.881	15.957	VV	1009	21323	0.40%	0.119%
381	15.971	15.957	15.985	VV	387	5364	0.10%	0.030%
382	15.998	15.985	16.009	VV	450	4599	0.09%	0.026%
383	16.023	16.009	16.035	VV	309	3858	0.07%	0.022%
384	16.065	16.035	16.109	VV	629	17007	0.32%	0.095%
385	16.128	16.109	16.173	VV	352	7790	0.15%	0.044%
386	16.204	16.173	16.223	VV	276	5297	0.10%	0.030%
387	16.287	16.223	16.335	VV	1120	27321	0.52%	0.153%
388	16.398	16.335	16.452	VV	1071	37097	0.70%	0.207%
389	16.487	16.452	16.513	VV	1020	21756	0.41%	0.122%
390	16.534	16.513	16.563	VV	1741	26454	0.50%	0.148%
391	16.569	16.563	16.587	VV	539	6678	0.13%	0.037%
392	16.602	16.587	16.633	VV	649	12835	0.24%	0.072%
393	16.651	16.633	16.677	VV	407	8127	0.15%	0.045%
394	16.714	16.677	16.740	VV	471	13060	0.25%	0.073%
395	16.763	16.740	16.789	VV	1003	17143	0.32%	0.096%
396	16.801	16.789	16.810	VV	383	4038	0.08%	0.023%
397	16.831	16.810	16.848	VV	553	11278	0.21%	0.063%
398	16.870	16.848	16.892	VV	1394	21653	0.41%	0.121%
399	16.920	16.892	16.998	VV	4662	77857	1.47%	0.435%
400	17.031	16.998	17.071	VV	500	13185	0.25%	0.074%
401	17.081	17.071	17.122	VV	331	6205	0.12%	0.035%
402	17.147	17.122	17.185	VV	466	7078	0.13%	0.040%
403	17.228	17.185	17.248	PV	1064	23034	0.43%	0.129%
404	17.254	17.248	17.272	VV	637	6542	0.12%	0.037%

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405	17.317	17.272	17.351	VV	1853	38072	0.72%	0.213%
406	17.368	17.351	17.380	VV	459	6509	0.12%	0.036%
407	17.425	17.380	17.452	VV	823	21639	0.41%	0.121%
408	17.458	17.452	17.485	VV	743	8269	0.16%	0.046%
409	17.494	17.485	17.514	VV	429	4074	0.08%	0.023%
410	17.543	17.514	17.567	PV	506	9227	0.17%	0.052%
411	17.578	17.567	17.589	VV	265	3635	0.07%	0.020%
412	17.609	17.589	17.642	VV	525	11214	0.21%	0.063%
413	17.671	17.642	17.690	VV	624	13384	0.25%	0.075%
414	17.754	17.690	17.793	VV	2010	46382	0.88%	0.259%
415	17.842	17.793	17.885	VV	980	26989	0.51%	0.151%
416	17.918	17.885	17.947	VV	481	9918	0.19%	0.055%
417	17.977	17.947	17.986	VV	569	9385	0.18%	0.052%
418	18.001	17.986	18.014	VV	560	6499	0.12%	0.036%
419	18.035	18.014	18.073	VV	515	13908	0.26%	0.078%
420	18.106	18.073	18.149	VV	6315	102490	1.93%	0.573%
421	18.175	18.149	18.207	VV	2709	46099	0.87%	0.258%
422	18.215	18.207	18.231	VV	224	3029	0.06%	0.017%
423	18.275	18.231	18.343	VV	732	20706	0.39%	0.116%
424	18.376	18.343	18.410	PV	460	10463	0.20%	0.059%
425	18.435	18.410	18.474	VV	380	7760	0.15%	0.043%

Sum of corrected areas: 17884954

Aromatic EPH 081125.M Mon Aug 25 04:02:44 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	FRONT-1-FLOOR-F		SDG No.:	Q2892	
Lab Sample ID:	Q2892-11		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.7	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:00	08/25/25 14:40	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.21	J	1	0.15	1.10	mg/kg	FC069724.D
Aliphatic C12-C16	Aliphatic C12-C16	0.32	J	1	0.12	0.73	mg/kg	FC069724.D
Aliphatic C16-C21	Aliphatic C16-C21	0.29	J	1	0.14	1.10	mg/kg	FC069724.D
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	1	0.58	1.47	mg/kg	FC069724.D
Aliphatic C28-C40	Aliphatic C28-C40	1.95	J	1	1.30	2.20	mg/kg	FC069724.D
Aromatic C10-C12	Aromatic C10-C12	0.38	J	1	0.13	0.73	mg/kg	FD049664.D
Aromatic C12-C16	Aromatic C12-C16	0.34	J	1	0.25	1.10	mg/kg	FD049664.D
Aromatic C16-C21	Aromatic C16-C21	1.79	J	1	0.44	1.83	mg/kg	FD049664.D
Aromatic C21-C36	Aromatic C21-C36	1.35	J	1	1.31	2.93	mg/kg	FD049664.D
Total AliphaticEPH	Total AliphaticEPH	2.77	J		2.30	6.60	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.86	J		2.13	6.59	mg/kg	
Total EPH	Total EPH	6.63	J		4.43	13.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	08/15/25
Project:	BAPS 2000 Tonnelles Ave	Date Received:	08/15/25
Client Sample ID:	FRONT-1-FLOOR-F	SDG No.:	Q2892
Lab Sample ID:	Q2892-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069724.D	1	08/21/25	08/25/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.21	J	0.15	1.10	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.32	J	0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.29	J	0.14	1.10	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	0.58	1.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.95	J	1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2892-11	Acq On:	25 Aug 2025 14:40
Client Sample ID:	FRONT-1-FLOOR-F	Operator:	YP/AJ
Data file:	FC069724.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	6.594	411796	2.846	300	ug/ml
Aliphatic C12-C16	6.595	9.997	633593	4.417	200	ug/ml
Aliphatic C16-C21	9.998	13.365	526952	3.945	300	ug/ml
Aliphatic C21-C28	13.366	17.031	578947	4.894	400	ug/ml
Aliphatic C28-C40	17.032	22.006	2540099	26.649	600	ug/ml
Aliphatic EPH	3.297	22.006	4691387	42.752		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3550466	32.57		ug/ml
Aliphatic C9-C28	3.297	17.031	2151288	16.102	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069724.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 14:40
Operator : YP/AJ
Sample : Q2892-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
FRONT-1-FLOOR-F

Integration File: sample.E
Quant Time: Aug 26 02:11:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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...	13.100	3550466	32.566 ug/ml
Spiked Amount 50.000		Recovery =	65.13%

Target Compounds

(f)=RT Delta > 1/2 Window

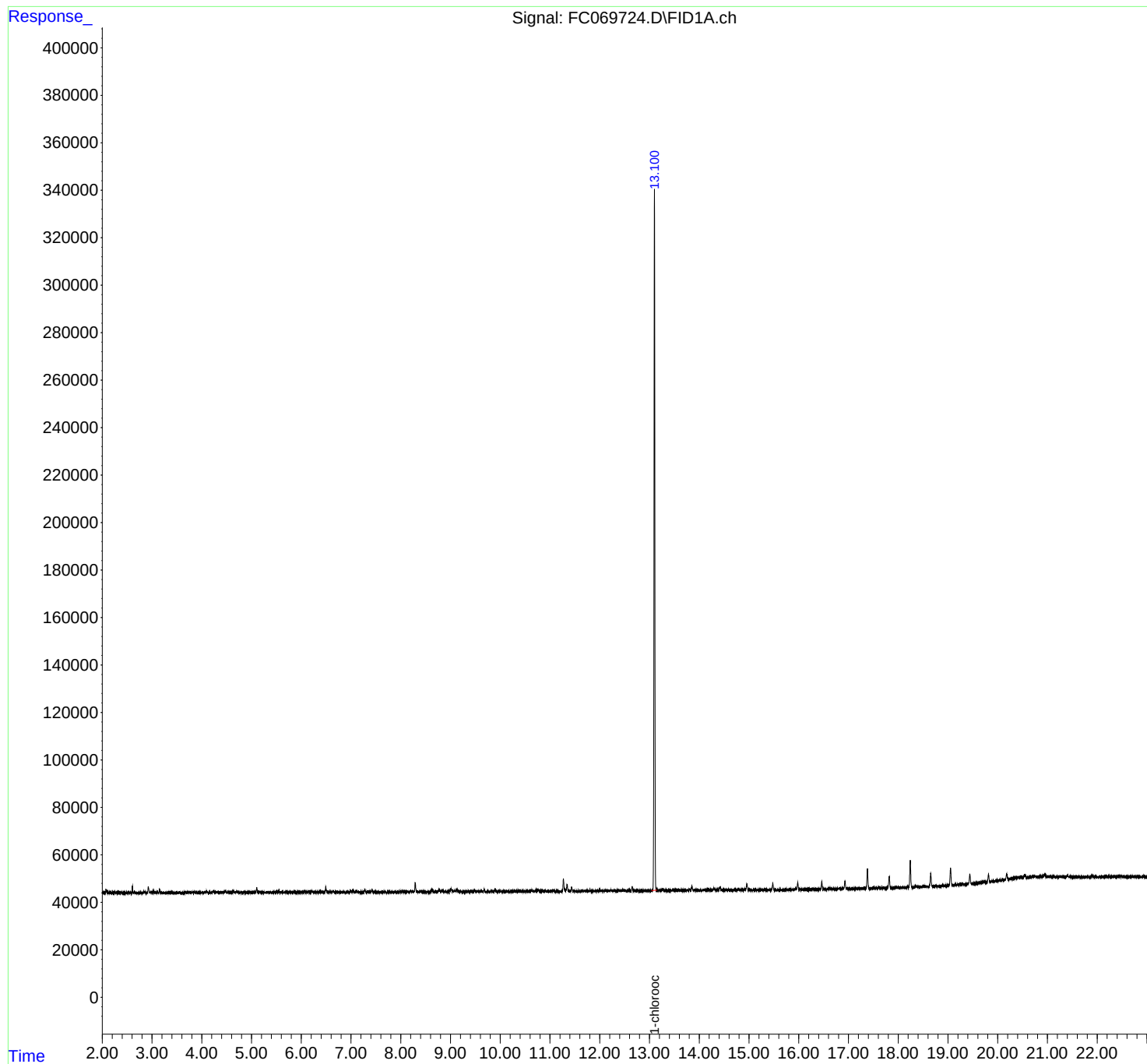
(m)=manual int.

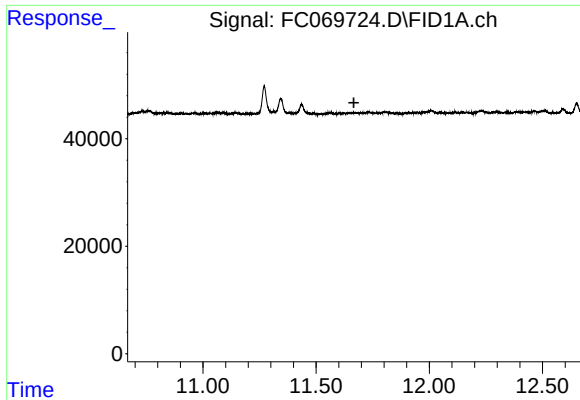
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069724.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 14:40
Operator : YP/AJ
Sample : Q2892-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
FRONT-1-FLOOR-F

Integration File: sample.E
Quant Time: Aug 26 02:11:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

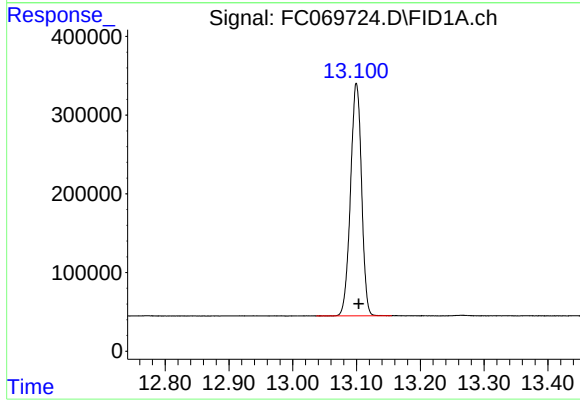




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
FRONT-1-FLOOR-F



#12 1-chlorooctadecane (SURR)

R.T.: 13.100 min
Delta R.T.: -0.004 min
Response: 3550466
Conc: 32.57 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069724.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 14:40
 Sample : Q2892-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.222	3.204	3.244	BV	41	380	0.01%	0.005%
2	3.254	3.244	3.264	PV	57	270	0.01%	0.003%
3	3.273	3.264	3.314	VV	59	1108	0.03%	0.013%
4	3.321	3.314	3.378	PV	53	723	0.02%	0.009%
5	3.399	3.378	3.432	PV	433	4613	0.13%	0.056%
6	3.501	3.432	3.514	VV	157	2212	0.06%	0.027%
7	3.535	3.514	3.564	VV	121	1695	0.05%	0.020%
8	3.600	3.564	3.626	VV	94	1495	0.04%	0.018%
9	3.638	3.626	3.649	VV	114	677	0.02%	0.008%
10	3.662	3.649	3.694	VV	166	2274	0.06%	0.027%
11	3.702	3.694	3.711	VV	172	1303	0.04%	0.016%
12	3.726	3.711	3.754	VV	240	2588	0.07%	0.031%
13	3.774	3.754	3.804	PV	199	3999	0.11%	0.048%
14	3.812	3.804	3.824	VV	143	1037	0.03%	0.013%
15	3.831	3.824	3.839	VV	104	872	0.02%	0.011%
16	3.847	3.839	3.859	VV	149	1075	0.03%	0.013%
17	3.897	3.859	3.938	VV	368	7993	0.22%	0.097%
18	3.980	3.938	4.058	VV	253	10054	0.28%	0.121%
19	4.070	4.058	4.083	VV	461	4974	0.14%	0.060%
20	4.097	4.083	4.150	VV	755	10582	0.30%	0.128%
21	4.165	4.150	4.207	VV	278	5689	0.16%	0.069%
22	4.240	4.207	4.275	VV	637	13191	0.37%	0.159%
23	4.284	4.275	4.324	VV	220	5065	0.14%	0.061%
24	4.349	4.324	4.364	VV	164	3187	0.09%	0.038%
25	4.400	4.364	4.444	VV	243	7529	0.21%	0.091%
26	4.470	4.444	4.504	VV	856	13117	0.37%	0.158%
27	4.516	4.504	4.551	VV	293	5239	0.15%	0.063%
28	4.577	4.551	4.611	VV	359	8448	0.24%	0.102%
29	4.636	4.611	4.665	VV	706	12377	0.35%	0.149%
30	4.694	4.665	4.708	VV	567	8568	0.24%	0.103%
31	4.724	4.708	4.748	VV	985	10037	0.28%	0.121%
32	4.759	4.748	4.790	VV	158	2715	0.08%	0.033%
33	4.798	4.790	4.809	VV	119	997	0.03%	0.012%
34	4.819	4.809	4.838	VV	150	1872	0.05%	0.023%
35	4.846	4.838	4.914	VV	165	5195	0.15%	0.063%
36	4.950	4.914	4.984	VV	149	4031	0.11%	0.049%

					rteres			
37	5.030	4.984	5.060	VV	186	5545	0.15%	0.067%
38	5.105	5.060	5.138	VV	2180	30878	0.86%	0.373%
39	5.161	5.138	5.180	VV	465	6599	0.18%	0.080%
40	5.193	5.180	5.256	VV	252	5307	0.15%	0.064%
41	5.292	5.256	5.316	VV	157	3164	0.09%	0.038%
42	5.334	5.316	5.364	VV	216	3529	0.10%	0.043%
43	5.390	5.364	5.441	VV	197	5291	0.15%	0.064%
44	5.475	5.441	5.490	VV	188	3709	0.10%	0.045%
45	5.511	5.490	5.528	VV	705	8013	0.22%	0.097%
46	5.550	5.528	5.587	VV	1231	15425	0.43%	0.186%
47	5.607	5.587	5.641	VV	336	6027	0.17%	0.073%
48	5.699	5.641	5.717	VV	322	8421	0.24%	0.102%
49	5.728	5.717	5.735	VV	161	1308	0.04%	0.016%
50	5.754	5.735	5.775	VV	158	3536	0.10%	0.043%
51	5.799	5.775	5.831	VV	327	6298	0.18%	0.076%
52	5.853	5.831	5.881	VV	275	5230	0.15%	0.063%
53	5.917	5.881	5.944	VV	190	5578	0.16%	0.067%
54	5.963	5.944	5.994	VV	267	5222	0.15%	0.063%
55	6.015	5.994	6.034	VV	283	4972	0.14%	0.060%
56	6.069	6.034	6.091	VV	628	11488	0.32%	0.139%
57	6.108	6.091	6.127	VV	467	6528	0.18%	0.079%
58	6.151	6.127	6.186	VV	714	11639	0.33%	0.141%
59	6.212	6.186	6.260	VV	721	13270	0.37%	0.160%
60	6.284	6.260	6.336	VV	294	9666	0.27%	0.117%
61	6.378	6.336	6.468	VV	274	17544	0.49%	0.212%
62	6.493	6.468	6.545	VV	2318	33703	0.94%	0.407%
63	6.577	6.545	6.598	VV	496	8483	0.24%	0.102%
64	6.614	6.598	6.625	VV	378	4361	0.12%	0.053%
65	6.642	6.625	6.663	VV	842	10462	0.29%	0.126%
66	6.678	6.663	6.694	VV	363	4601	0.13%	0.056%
67	6.715	6.694	6.747	VV	484	6683	0.19%	0.081%
68	6.770	6.747	6.814	VV	224	4864	0.14%	0.059%
69	6.822	6.814	6.844	VV	135	2082	0.06%	0.025%
70	6.894	6.844	6.914	VV	199	5068	0.14%	0.061%
71	6.937	6.914	6.964	VV	457	6898	0.19%	0.083%
72	6.991	6.964	7.004	VV	699	9465	0.26%	0.114%
73	7.013	7.004	7.027	VV	553	6625	0.19%	0.080%
74	7.041	7.027	7.084	VV	832	13677	0.38%	0.165%
75	7.116	7.084	7.144	VV	661	13991	0.39%	0.169%
76	7.154	7.144	7.174	VV	297	4054	0.11%	0.049%
77	7.225	7.174	7.244	VV	267	7906	0.22%	0.095%
78	7.279	7.244	7.328	VV	1346	21178	0.59%	0.256%
79	7.340	7.328	7.368	VV	293	5647	0.16%	0.068%
80	7.384	7.368	7.396	VV	401	4335	0.12%	0.052%
81	7.419	7.396	7.464	VV	1175	18271	0.51%	0.221%
82	7.485	7.464	7.496	VV	311	4778	0.13%	0.058%
83	7.510	7.496	7.534	VV	400	5136	0.14%	0.062%
84	7.541	7.534	7.550	VV	146	933	0.03%	0.011%
85	7.585	7.550	7.622	VV	241	6371	0.18%	0.077%
86	7.632	7.622	7.661	VV	148	2500	0.07%	0.030%
87	7.681	7.661	7.721	VV	624	8059	0.23%	0.097%
88	7.766	7.721	7.811	PV	226	7656	0.21%	0.092%
89	7.821	7.811	7.838	VV	168	2065	0.06%	0.025%

					rteres			
90	7.854	7.838	7.868	VV	189	2506	0.07%	0.030%
91	7.901	7.868	7.932	VV	197	4592	0.13%	0.055%
92	7.940	7.932	7.961	VV	161	1689	0.05%	0.020%
93	7.987	7.961	8.017	PV	637	8902	0.25%	0.108%
94	8.043	8.017	8.064	VV	499	7678	0.21%	0.093%
95	8.075	8.064	8.099	VV	229	3903	0.11%	0.047%
96	8.151	8.099	8.170	VV	298	9012	0.25%	0.109%
97	8.198	8.170	8.221	VV	754	12861	0.36%	0.155%
98	8.229	8.221	8.268	VV	309	7795	0.22%	0.094%
99	8.292	8.268	8.371	VV	4048	57963	1.62%	0.700%
100	8.389	8.371	8.428	VV	455	11198	0.31%	0.135%
101	8.443	8.428	8.464	VV	360	5340	0.15%	0.064%
102	8.487	8.464	8.504	VV	249	4414	0.12%	0.053%
103	8.526	8.504	8.562	VV	348	4978	0.14%	0.060%
104	8.615	8.562	8.688	VV	939	28908	0.81%	0.349%
105	8.716	8.688	8.726	VV	283	5817	0.16%	0.070%
106	8.766	8.726	8.814	VV	905	27871	0.78%	0.337%
107	8.831	8.814	8.876	VV	662	15393	0.43%	0.186%
108	8.896	8.876	8.931	VV	336	6723	0.19%	0.081%
109	8.950	8.931	8.967	VV	348	5869	0.16%	0.071%
110	9.013	8.967	9.037	VV	1497	33317	0.93%	0.402%
111	9.051	9.037	9.087	VV	702	14063	0.39%	0.170%
112	9.132	9.087	9.184	VV	1206	31658	0.88%	0.382%
113	9.206	9.184	9.233	VV	363	6952	0.19%	0.084%
114	9.254	9.233	9.282	VV	319	5450	0.15%	0.066%
115	9.302	9.282	9.324	VV	268	4639	0.13%	0.056%
116	9.333	9.324	9.384	VV	255	7584	0.21%	0.092%
117	9.418	9.384	9.439	VV	466	10100	0.28%	0.122%
118	9.447	9.439	9.461	VV	187	2056	0.06%	0.025%
119	9.484	9.461	9.520	VV	781	14202	0.40%	0.172%
120	9.535	9.520	9.561	VV	339	5996	0.17%	0.072%
121	9.565	9.561	9.604	VV	251	5027	0.14%	0.061%
122	9.624	9.604	9.651	VV	540	9316	0.26%	0.113%
123	9.676	9.651	9.704	VV	961	14173	0.40%	0.171%
124	9.734	9.704	9.753	VV	203	4642	0.13%	0.056%
125	9.765	9.753	9.790	VV	184	2380	0.07%	0.029%
126	9.815	9.790	9.868	VV	460	9909	0.28%	0.120%
127	9.896	9.868	9.947	VV	1334	20684	0.58%	0.250%
128	9.982	9.947	10.042	VV	283	10367	0.29%	0.125%
129	10.048	10.042	10.055	VV	204	1189	0.03%	0.014%
130	10.065	10.055	10.092	VV	210	3120	0.09%	0.038%
131	10.104	10.092	10.129	VV	138	2059	0.06%	0.025%
132	10.172	10.129	10.192	VV	210	4347	0.12%	0.052%
133	10.220	10.192	10.234	VV	232	4752	0.13%	0.057%
134	10.241	10.234	10.251	VV	241	2154	0.06%	0.026%
135	10.290	10.251	10.306	VV	418	9263	0.26%	0.112%
136	10.332	10.306	10.358	VV	479	10214	0.29%	0.123%
137	10.375	10.358	10.398	VV	372	6932	0.19%	0.084%
138	10.424	10.398	10.444	VV	256	4811	0.13%	0.058%
139	10.498	10.471	10.511	PV	315	4279	0.12%	0.052%
140	10.535	10.511	10.549	VV	345	5829	0.16%	0.070%
141	10.572	10.549	10.600	VV	463	9666	0.27%	0.117%

					rteres			
142	10.612	10.600	10.621	VV	327	3366	0.09%	0.041%
143	10.637	10.621	10.673	VV	533	10635	0.30%	0.128%
144	10.734	10.673	10.745	VV	682	16906	0.47%	0.204%
145	10.759	10.745	10.831	VV	668	18925	0.53%	0.229%
146	10.852	10.831	10.894	VV	351	7753	0.22%	0.094%
147	10.907	10.894	10.938	VV	229	4013	0.11%	0.048%
148	10.965	10.938	10.988	VV	217	4890	0.14%	0.059%
149	11.001	10.988	11.043	VV	242	5996	0.17%	0.072%
150	11.064	11.043	11.121	VV	391	10052	0.28%	0.121%
151	11.145	11.121	11.184	VV	298	5735	0.16%	0.069%
152	11.201	11.184	11.214	VV	119	1733	0.05%	0.021%
153	11.271	11.214	11.301	VV	5269	73287	2.05%	0.885%
154	11.344	11.301	11.408	VV	2871	52319	1.46%	0.632%
155	11.436	11.408	11.476	VV	1801	25808	0.72%	0.312%
156	11.486	11.476	11.511	VV	125	1619	0.05%	0.020%
157	11.564	11.511	11.613	PV	177	5566	0.16%	0.067%
158	11.666	11.613	11.690	VV	214	7147	0.20%	0.086%
159	11.700	11.690	11.713	VV	172	2262	0.06%	0.027%
160	11.734	11.713	11.784	VV	286	8054	0.22%	0.097%
161	11.801	11.784	11.877	VV	368	9344	0.26%	0.113%
162	11.939	11.877	11.960	VV	244	7945	0.22%	0.096%
163	12.008	11.960	12.037	VV	598	15225	0.43%	0.184%
164	12.054	12.037	12.088	VV	257	5243	0.15%	0.063%
165	12.113	12.088	12.128	VV	254	4269	0.12%	0.052%
166	12.146	12.128	12.194	VV	231	7028	0.20%	0.085%
167	12.233	12.194	12.264	VV	517	12725	0.36%	0.154%
168	12.301	12.264	12.325	VV	342	8051	0.22%	0.097%
169	12.344	12.325	12.362	VV	249	3831	0.11%	0.046%
170	12.386	12.362	12.406	VV	302	5711	0.16%	0.069%
171	12.421	12.406	12.438	VV	227	4037	0.11%	0.049%
172	12.466	12.438	12.478	VV	424	6908	0.19%	0.083%
173	12.509	12.478	12.538	VV	457	10492	0.29%	0.127%
174	12.545	12.538	12.568	VV	147	1624	0.05%	0.020%
175	12.591	12.568	12.628	VV	806	10880	0.30%	0.131%
176	12.651	12.628	12.704	VV	1911	25065	0.70%	0.303%
177	12.772	12.704	12.811	VV	342	8924	0.25%	0.108%
178	12.827	12.811	12.871	VV	85	1917	0.05%	0.023%
179	12.921	12.871	12.942	VV	158	5149	0.14%	0.062%
180	12.948	12.942	12.961	VV	164	1436	0.04%	0.017%
181	12.972	12.961	12.992	VV	162	2094	0.06%	0.025%
182	13.044	12.992	13.054	PV	216	5599	0.16%	0.068%
183	13.100	13.054	13.230	VV	295001	3579748	100.00%	43.229%
184	13.265	13.230	13.308	VV	905	17689	0.49%	0.214%
185	13.340	13.308	13.398	VV	280	11085	0.31%	0.134%
186	13.412	13.398	13.421	VV	172	2136	0.06%	0.026%
187	13.445	13.421	13.508	VV	243	10429	0.29%	0.126%
188	13.531	13.508	13.580	VV	279	9946	0.28%	0.120%
189	13.608	13.580	13.631	VV	230	5621	0.16%	0.068%
190	13.676	13.631	13.690	VV	302	7821	0.22%	0.094%
191	13.700	13.690	13.747	VV	278	7242	0.20%	0.087%
192	13.800	13.747	13.825	VV	768	14811	0.41%	0.179%
193	13.852	13.825	13.924	VV	1889	32201	0.90%	0.389%
194	13.937	13.924	14.018	VV	208	7556	0.21%	0.091%

					rteres			
195	14.081	14.018	14.141	VV	279	14428	0.40%	0.174%
196	14.158	14.141	14.168	VV	216	3296	0.09%	0.040%
197	14.191	14.168	14.215	VV	244	5202	0.15%	0.063%
198	14.230	14.215	14.257	VV	195	4277	0.12%	0.052%
199	14.293	14.257	14.328	VV	978	18766	0.52%	0.227%
200	14.354	14.328	14.368	VV	255	5514	0.15%	0.067%
201	14.379	14.368	14.389	VV	248	2907	0.08%	0.035%
202	14.415	14.389	14.454	VV	1564	25604	0.72%	0.309%
203	14.472	14.454	14.536	VV	278	9959	0.28%	0.120%
204	14.548	14.536	14.570	VV	277	5010	0.14%	0.060%
205	14.581	14.570	14.604	VV	317	4905	0.14%	0.059%
206	14.619	14.604	14.651	VV	245	4764	0.13%	0.058%
207	14.677	14.651	14.691	VV	260	4238	0.12%	0.051%
208	14.733	14.691	14.788	VV	244	12298	0.34%	0.149%
209	14.799	14.788	14.862	VV	361	8271	0.23%	0.100%
210	14.912	14.862	14.931	VV	590	10982	0.31%	0.133%
211	14.957	14.931	15.031	VV	2742	44566	1.24%	0.538%
212	15.038	15.031	15.068	VV	141	2026	0.06%	0.024%
213	15.119	15.088	15.144	VV	162	2712	0.08%	0.033%
214	15.195	15.144	15.214	VV	131	3406	0.10%	0.041%
215	15.225	15.214	15.254	PV	167	2061	0.06%	0.025%
216	15.267	15.254	15.278	VV	129	1646	0.05%	0.020%
217	15.295	15.278	15.324	VV	144	2506	0.07%	0.030%
218	15.391	15.324	15.418	VV	182	6412	0.18%	0.077%
219	15.479	15.418	15.576	VV	2674	44524	1.24%	0.538%
220	15.618	15.576	15.635	VV	140	2790	0.08%	0.034%
221	15.647	15.635	15.690	PV	135	2994	0.08%	0.036%
222	15.776	15.690	15.794	VV	285	9998	0.28%	0.121%
223	15.805	15.794	15.827	VV	287	3731	0.10%	0.045%
224	15.858	15.827	15.892	VV	205	5689	0.16%	0.069%
225	15.912	15.892	15.921	VV	220	2526	0.07%	0.031%
226	15.938	15.921	15.954	VV	406	5974	0.17%	0.072%
227	15.980	15.954	16.055	VV	3107	43497	1.22%	0.525%
228	16.063	16.055	16.107	PV	126	1663	0.05%	0.020%
229	16.150	16.107	16.201	VV	157	4732	0.13%	0.057%
230	16.207	16.201	16.215	VV	101	751	0.02%	0.009%
231	16.221	16.215	16.231	VV	123	735	0.02%	0.009%
232	16.252	16.231	16.269	VV	126	2086	0.06%	0.025%
233	16.288	16.269	16.308	VV	180	2712	0.08%	0.033%
234	16.342	16.308	16.357	VV	129	2570	0.07%	0.031%
235	16.368	16.357	16.401	VV	129	1773	0.05%	0.021%
236	16.463	16.401	16.536	VV	3339	46948	1.31%	0.567%
237	16.611	16.536	16.659	VV	384	13370	0.37%	0.161%
238	16.671	16.659	16.690	VV	169	2683	0.07%	0.032%
239	16.707	16.690	16.751	VV	238	6143	0.17%	0.074%
240	16.767	16.751	16.794	VV	218	3733	0.10%	0.045%
241	16.817	16.794	16.841	VV	337	5475	0.15%	0.066%
242	16.929	16.841	16.974	VV	3419	57488	1.61%	0.694%
243	16.980	16.974	16.998	VV	88	843	0.02%	0.010%
244	17.049	16.998	17.059	PV	174	2481	0.07%	0.030%
245	17.079	17.059	17.108	VV	135	1851	0.05%	0.022%
246	17.215	17.108	17.238	VV	209	6912	0.19%	0.083%

					rteres			
247	17.270	17.238	17.298	VV	136	3177	0.09%	0.038%
248	17.318	17.298	17.332	PV	135	1904	0.05%	0.023%
249	17.381	17.332	17.421	VV	8228	113205	3.16%	1.367%
250	17.506	17.421	17.531	VV	373	9789	0.27%	0.118%
251	17.611	17.531	17.634	VV	461	10950	0.31%	0.132%
252	17.669	17.634	17.694	VV	206	5590	0.16%	0.067%
253	17.711	17.694	17.728	VV	164	2188	0.06%	0.026%
254	17.737	17.728	17.749	VV	104	808	0.02%	0.010%
255	17.819	17.749	17.854	VV	4923	74734	2.09%	0.902%
256	17.869	17.854	17.900	VV	147	2386	0.07%	0.029%
257	17.907	17.900	17.915	VV	64	481	0.01%	0.006%
258	17.972	17.915	18.059	PV	334	12870	0.36%	0.155%
259	18.094	18.059	18.124	VV	316	5161	0.14%	0.062%
260	18.140	18.124	18.154	VV	250	2365	0.07%	0.029%
261	18.158	18.154	18.184	VV	105	1116	0.03%	0.013%
262	18.195	18.184	18.208	VV	151	1370	0.04%	0.017%
263	18.242	18.208	18.278	VV	11411	158755	4.43%	1.917%
264	18.288	18.278	18.315	PV	119	1303	0.04%	0.016%
265	18.353	18.315	18.434	VV	584	14039	0.39%	0.170%
266	18.452	18.434	18.473	VV	222	2739	0.08%	0.033%
267	18.507	18.473	18.530	VV	289	5969	0.17%	0.072%
268	18.550	18.530	18.573	VV	193	3151	0.09%	0.038%
269	18.582	18.573	18.602	VV	133	1859	0.05%	0.022%
270	18.653	18.602	18.747	VV	5647	85855	2.40%	1.037%
271	18.824	18.747	18.834	VV	158	5465	0.15%	0.066%
272	18.859	18.834	18.870	PV	93	1251	0.03%	0.015%
273	18.910	18.870	18.948	VV	356	7218	0.20%	0.087%
274	18.983	18.948	19.005	VV	230	6241	0.17%	0.075%
275	19.052	19.005	19.112	VV	7447	112924	3.15%	1.364%
276	19.164	19.112	19.178	VV	359	8824	0.25%	0.107%
277	19.235	19.178	19.264	VV	273	11614	0.32%	0.140%
278	19.301	19.264	19.321	VV	465	10609	0.30%	0.128%
279	19.359	19.321	19.384	VV	335	10297	0.29%	0.124%
280	19.440	19.384	19.491	VV	4325	77214	2.16%	0.932%
281	19.562	19.491	19.571	VV	438	16477	0.46%	0.199%
282	19.580	19.571	19.594	VV	458	5525	0.15%	0.067%
283	19.635	19.594	19.644	VV	502	13727	0.38%	0.166%
284	19.682	19.644	19.701	VV	703	20635	0.58%	0.249%
285	19.725	19.701	19.770	VV	847	27904	0.78%	0.337%
286	19.814	19.770	19.858	VV	3700	78909	2.20%	0.953%
287	19.869	19.858	19.888	VV	823	13165	0.37%	0.159%
288	19.999	19.888	20.009	VV	1015	62825	1.76%	0.759%
289	20.046	20.009	20.071	VV	1175	40441	1.13%	0.488%
290	20.095	20.071	20.121	VV	1260	34936	0.98%	0.422%
291	20.179	20.121	20.211	VV	3571	100620	2.81%	1.215%
292	20.245	20.211	20.258	VV	1518	40603	1.13%	0.490%
293	20.268	20.258	20.281	VV	1433	19896	0.56%	0.240%
294	20.362	20.281	20.378	VV	1678	90251	2.52%	1.090%
295	20.454	20.378	20.478	VV	1884	106812	2.98%	1.290%
296	20.543	20.478	20.584	VV	2963	130432	3.64%	1.575%
297	20.737	20.584	20.759	VV	1957	188219	5.26%	2.273%
298	20.768	20.759	20.775	VV	1815	17085	0.48%	0.206%
299	20.782	20.775	20.812	VV	1860	38847	1.09%	0.469%

					rterres			
300	20.845	20.812	20.906	VV	1757	93349	2.61%	1.127%
301	20.942	20.906	20.984	VV	2508	90872	2.54%	1.097%
302	21.011	20.984	21.029	VV	1549	39688	1.11%	0.479%
303	21.047	21.029	21.101	VV	1489	60857	1.70%	0.735%
304	21.111	21.101	21.124	VV	1357	18673	0.52%	0.225%
305	21.133	21.124	21.200	VV	1320	55944	1.56%	0.676%
306	21.216	21.200	21.255	VV	1225	37237	1.04%	0.450%
307	21.297	21.255	21.348	VV	1166	59690	1.67%	0.721%
308	21.394	21.348	21.438	VV	1337	58249	1.63%	0.703%
309	21.450	21.438	21.471	VV	908	16755	0.47%	0.202%
310	21.491	21.471	21.504	VV	850	15911	0.44%	0.192%
311	21.517	21.504	21.531	VV	807	12381	0.35%	0.150%
312	21.543	21.531	21.566	VV	765	15958	0.45%	0.193%
313	21.605	21.566	21.627	VV	735	25257	0.71%	0.305%
314	21.641	21.627	21.661	VV	649	12759	0.36%	0.154%
315	21.727	21.661	21.751	VV	574	28960	0.81%	0.350%
316	21.777	21.751	21.846	VV	655	24976	0.70%	0.302%
317	21.906	21.846	21.951	VV	817	32703	0.91%	0.395%
318	21.960	21.951	22.008	VV	293	7906	0.22%	0.095%
319	22.017	22.008	22.028	VV	176	1800	0.05%	0.022%
320	22.038	22.028	22.045	VV	206	1442	0.04%	0.017%
321	22.098	22.045	22.109	VV	134	3550	0.10%	0.043%
322	22.115	22.109	22.121	VV	123	429	0.01%	0.005%
323	22.129	22.121	22.141	PV	113	755	0.02%	0.009%
Sum of corrected areas:					8280869			

Aliphatic EPH 080125.M Tue Aug 26 03:59:51 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	08/15/25	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	08/15/25	
Client Sample ID:	FRONT-1-FLOOR-F		SDG No.:	Q2892	
Lab Sample ID:	Q2892-11		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.7	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049664.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	J	0.25	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.79	J	0.44	1.83	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.35	J	1.31	2.93	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.6		40 - 140	125%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	62.9		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-11	Acq On:	23 Aug 2025 06:50
Client Sample ID:	FRONT-1-FLOOR-F	Operator:	YP/AJ
Data file:	FD049664.D	Misc:	
Instrument:	FID_D	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	560126	5.189	200	ug/ml
Aromatic C12-C16	6.151	8.778	575924	4.66	300	ug/ml
Aromatic C16-C21	8.779	13.069	3085205	24.392	500	ug/ml
Aromatic C21-C36	13.070	18.489	2068110	18.364	800	ug/ml
Aromatic EPH	4.407	18.489	6289365	52.605		ug/ml
2-Bromonaphthalene (SURRE)	7.716	7.716	6421079	62.65		ug/ml
2-Fluorobiphenyl (SURRE)	8.582	8.582	4596131	62.92		ug/ml
ortho-Terphenyl (SURRE)	11.625	11.625	3987032	30.72		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049664.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 06:50
 Operator : YP/AJ
 Sample : Q2892-11
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 FRONT-1-FLOOR-F

Integration File: sample.E
 Quant Time: Aug 25 01:54:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.716	6421079	62.653 ug/ml
Spiked Amount 50.000		Recovery =	125.31%
6) S 2-Fluorobiphenyl (SURR)	8.582	4596131	62.921 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	125.84%
11) S ortho-Terphenyl (SURR)	11.625	3987032	30.718 ug/ml
Spiked Amount 50.000		Recovery =	61.44%

Target Compounds

(f)=RT Delta > 1/2 Window

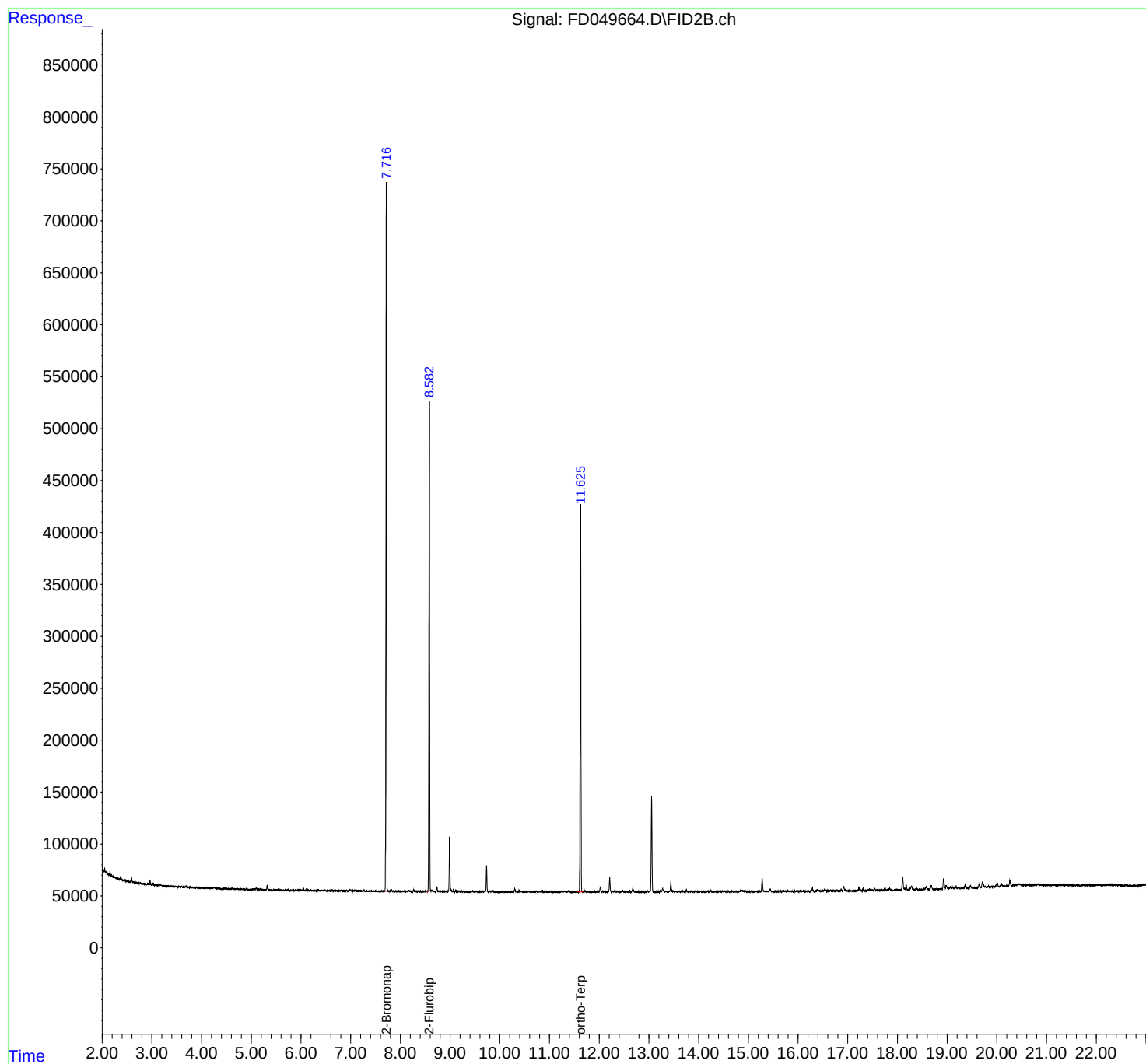
(m)=manual int.

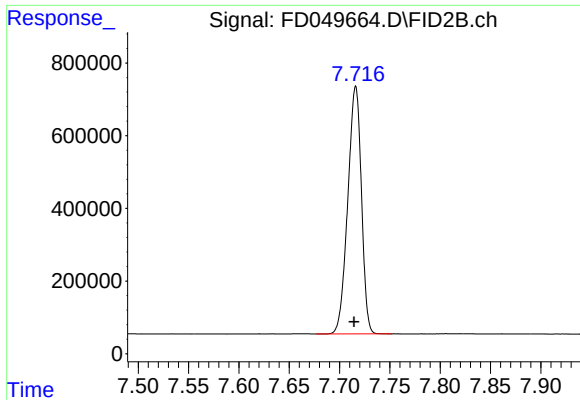
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049664.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 06:50
Operator : YP/AJ
Sample : Q2892-11
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
FRONT-1-FLOOR-F

Integration File: sample.E
Quant Time: Aug 25 01:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

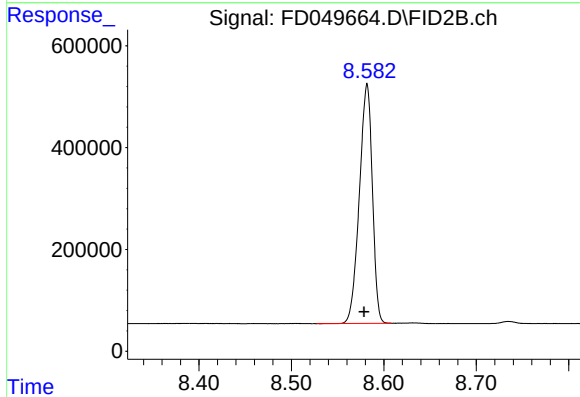




#4 2-Bromonaphthalene (SURR)

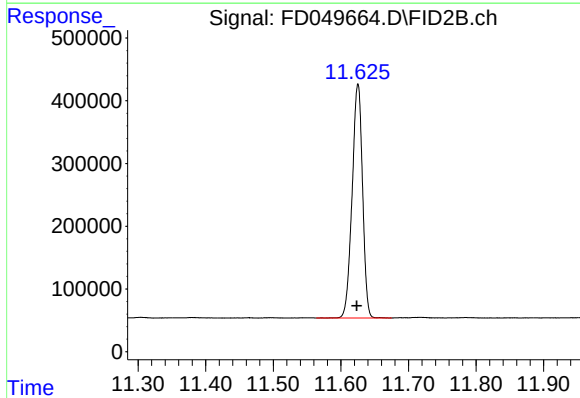
R.T.: 7.716 min
Delta R.T.: 0.002 min
Response: 6421079
Conc: 62.65 ug/ml

Instrument :
FID_D
ClientSampleId :
FRONT-1-FLOOR-F



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.582 min
Delta R.T.: 0.003 min
Response: 4596131
Conc: 62.92 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: 0.002 min
Response: 3987032
Conc: 30.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049664.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 06:50
Sample : Q2892-11
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.260	4.252	4.315	PH	1712	42195	0.65%	0.197%
2	4.324	4.315	4.332	VV	887	8244	0.13%	0.038%
3	4.333	4.332	4.338	VV	904	3067	0.05%	0.014%
4	4.345	4.338	4.384	VV	845	20615	0.32%	0.096%
5	4.419	4.384	4.437	VV	894	24383	0.38%	0.114%
6	4.463	4.437	4.485	VV	1386	27272	0.42%	0.127%
7	4.489	4.485	4.497	VV	812	5402	0.08%	0.025%
8	4.507	4.497	4.523	VV	950	12419	0.19%	0.058%
9	4.538	4.523	4.556	VV	785	13166	0.20%	0.061%
10	4.569	4.556	4.577	VV	849	9588	0.15%	0.045%
11	4.581	4.577	4.593	VV	932	6976	0.11%	0.033%
12	4.608	4.593	4.620	VV	1630	17561	0.27%	0.082%
13	4.633	4.620	4.654	VV	1390	18674	0.29%	0.087%
14	4.660	4.654	4.672	VV	707	6249	0.10%	0.029%
15	4.687	4.672	4.708	VV	999	15530	0.24%	0.072%
16	4.719	4.708	4.740	VV	1346	15811	0.25%	0.074%
17	4.751	4.740	4.760	VV	570	5426	0.08%	0.025%
18	4.775	4.760	4.782	VV	645	6776	0.11%	0.032%
19	4.797	4.782	4.824	VV	1132	17558	0.27%	0.082%
20	4.835	4.824	4.856	VV	576	7738	0.12%	0.036%
21	4.869	4.856	4.880	VV	449	5112	0.08%	0.024%
22	4.884	4.880	4.889	VV	494	2204	0.03%	0.010%
23	4.896	4.889	4.926	VV	535	9972	0.15%	0.047%
24	4.933	4.926	4.955	VV	401	4269	0.07%	0.020%
25	4.972	4.955	4.979	VV	354	3742	0.06%	0.017%
26	5.002	4.979	5.008	VV	428	5944	0.09%	0.028%
27	5.032	5.008	5.061	VV	769	17431	0.27%	0.081%
28	5.075	5.061	5.081	VV	996	8302	0.13%	0.039%
29	5.099	5.081	5.131	VV	2541	33570	0.52%	0.157%
30	5.156	5.131	5.175	VV	1025	15881	0.25%	0.074%
31	5.186	5.175	5.225	VV	1074	18793	0.29%	0.088%
32	5.229	5.225	5.246	VV	380	3870	0.06%	0.018%
33	5.251	5.246	5.265	VV	299	3117	0.05%	0.015%
34	5.293	5.265	5.299	VV	453	6509	0.10%	0.030%
35	5.318	5.299	5.355	VV	4593	49337	0.77%	0.230%
36	5.375	5.355	5.384	VV	309	3857	0.06%	0.018%

					rteres			
37	5.385	5.384	5.402	VV	287	1939	0.03%	0.009%
38	5.404	5.402	5.426	VV	237	1902	0.03%	0.009%
39	5.440	5.426	5.445	PV	317	1896	0.03%	0.009%
40	5.457	5.445	5.482	VV	586	7451	0.12%	0.035%
41	5.505	5.482	5.523	VV	519	7345	0.11%	0.034%
42	5.542	5.523	5.559	VV	1035	11764	0.18%	0.055%
43	5.565	5.559	5.575	VV	332	2301	0.04%	0.011%
44	5.602	5.575	5.636	VV	415	7747	0.12%	0.036%
45	5.655	5.636	5.672	PV	343	4801	0.07%	0.022%
46	5.675	5.672	5.679	VV	358	1131	0.02%	0.005%
47	5.691	5.679	5.708	VV	467	5524	0.09%	0.026%
48	5.718	5.708	5.723	VV	312	1801	0.03%	0.008%
49	5.745	5.723	5.761	VV	537	7057	0.11%	0.033%
50	5.765	5.761	5.774	VV	105	1071	0.02%	0.005%
51	5.786	5.774	5.812	VV	393	5425	0.08%	0.025%
52	5.847	5.812	5.864	VV	457	8800	0.14%	0.041%
53	5.871	5.864	5.882	VV	282	2489	0.04%	0.012%
54	5.910	5.882	5.920	VV	299	5817	0.09%	0.027%
55	5.955	5.920	5.975	VV	1067	15698	0.24%	0.073%
56	5.987	5.975	6.015	VV	369	6568	0.10%	0.031%
57	6.051	6.015	6.077	VV	2085	27588	0.43%	0.129%
58	6.099	6.077	6.116	VV	647	9900	0.15%	0.046%
59	6.138	6.116	6.179	VV	852	11672	0.18%	0.054%
60	6.203	6.179	6.233	PV	873	10956	0.17%	0.051%
61	6.279	6.233	6.296	VV	394	9222	0.14%	0.043%
62	6.326	6.296	6.352	VV	1025	16117	0.25%	0.075%
63	6.361	6.352	6.384	VV	214	2767	0.04%	0.013%
64	6.418	6.384	6.445	VV	252	5977	0.09%	0.028%
65	6.479	6.445	6.503	VV	1225	16371	0.25%	0.076%
66	6.513	6.503	6.529	VV	239	3024	0.05%	0.014%
67	6.539	6.529	6.554	VV	342	3854	0.06%	0.018%
68	6.563	6.554	6.587	VV	421	5335	0.08%	0.025%
69	6.599	6.587	6.614	VV	650	6708	0.10%	0.031%
70	6.629	6.614	6.655	VV	920	11639	0.18%	0.054%
71	6.661	6.655	6.685	VV	322	3848	0.06%	0.018%
72	6.701	6.685	6.725	VV	472	5517	0.09%	0.026%
73	6.735	6.725	6.775	VV	272	4402	0.07%	0.021%
74	6.803	6.775	6.832	PV	440	8654	0.13%	0.040%
75	6.851	6.832	6.894	VV	340	7350	0.11%	0.034%
76	6.922	6.894	6.953	VV	600	10381	0.16%	0.048%
77	6.992	6.953	7.015	VV	1224	25610	0.40%	0.119%
78	7.034	7.015	7.068	VV	633	14843	0.23%	0.069%
79	7.101	7.068	7.130	VV	910	20511	0.32%	0.096%
80	7.150	7.130	7.170	VV	529	8635	0.13%	0.040%
81	7.181	7.170	7.197	VV	422	4828	0.07%	0.023%
82	7.205	7.197	7.226	VV	291	3610	0.06%	0.017%
83	7.264	7.226	7.305	VV	1308	22125	0.34%	0.103%
84	7.319	7.305	7.357	VV	506	7283	0.11%	0.034%
85	7.368	7.357	7.379	VV	288	2759	0.04%	0.013%
86	7.402	7.379	7.429	VV	629	10913	0.17%	0.051%
87	7.437	7.429	7.450	VV	299	2776	0.04%	0.013%
88	7.461	7.450	7.477	VV	339	4571	0.07%	0.021%
89	7.492	7.477	7.525	VV	601	8539	0.13%	0.040%

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90	7.534	7.525	7.552	VV	414	3084	0.05%	0.014%
91	7.569	7.552	7.589	PV	266	4589	0.07%	0.021%
92	7.633	7.589	7.649	VV	518	10868	0.17%	0.051%
93	7.662	7.649	7.679	VV	721	8998	0.14%	0.042%
94	7.716	7.679	7.777	VV	680919	6443606	100.00%	30.065%
95	7.783	7.777	7.794	VV	486	4038	0.06%	0.019%
96	7.807	7.794	7.850	VV	971	22326	0.35%	0.104%
97	7.861	7.850	7.872	VV	513	4408	0.07%	0.021%
98	7.885	7.872	7.910	VV	407	5776	0.09%	0.027%
99	7.922	7.910	7.935	VV	278	1916	0.03%	0.009%
100	7.967	7.935	8.004	PV	584	11185	0.17%	0.052%
101	8.027	8.004	8.040	VV	417	7068	0.11%	0.033%
102	8.047	8.040	8.065	VV	498	5461	0.08%	0.025%
103	8.094	8.065	8.103	VV	394	6638	0.10%	0.031%
104	8.110	8.103	8.120	VV	283	2538	0.04%	0.012%
105	8.167	8.120	8.240	VV	879	32144	0.50%	0.150%
106	8.269	8.240	8.313	VV	1610	25282	0.39%	0.118%
107	8.326	8.313	8.342	VV	352	4699	0.07%	0.022%
108	8.392	8.342	8.448	VV	610	25293	0.39%	0.118%
109	8.459	8.448	8.485	PV	431	4992	0.08%	0.023%
110	8.505	8.485	8.531	VV	595	8533	0.13%	0.040%
111	8.582	8.531	8.612	VV	473236	4628140	71.83%	21.594%
112	8.632	8.612	8.660	VV	1672	29326	0.46%	0.137%
113	8.669	8.660	8.704	VV	503	9840	0.15%	0.046%
114	8.735	8.704	8.764	VV	4565	56710	0.88%	0.265%
115	8.771	8.764	8.805	VV	452	11087	0.17%	0.052%
116	8.827	8.805	8.855	VV	529	11193	0.17%	0.052%
117	8.866	8.855	8.879	VV	359	4215	0.07%	0.020%
118	8.890	8.879	8.912	VV	490	5879	0.09%	0.027%
119	8.922	8.912	8.934	VV	365	3898	0.06%	0.018%
120	8.990	8.934	9.053	VV	53213	576836	8.95%	2.691%
121	9.071	9.053	9.091	VV	2268	27149	0.42%	0.127%
122	9.111	9.091	9.125	VV	1133	15560	0.24%	0.073%
123	9.142	9.125	9.165	VV	2006	24373	0.38%	0.114%
124	9.181	9.165	9.222	VV	496	11334	0.18%	0.053%
125	9.230	9.222	9.250	VV	476	4591	0.07%	0.021%
126	9.276	9.250	9.304	VV	811	14680	0.23%	0.068%
127	9.314	9.304	9.357	VV	397	7058	0.11%	0.033%
128	9.370	9.357	9.407	VV	444	7227	0.11%	0.034%
129	9.457	9.407	9.482	VV	839	17448	0.27%	0.081%
130	9.508	9.482	9.519	VV	410	7375	0.11%	0.034%
131	9.529	9.519	9.537	VV	502	4497	0.07%	0.021%
132	9.545	9.537	9.575	VV	451	7483	0.12%	0.035%
133	9.604	9.575	9.620	VV	418	8247	0.13%	0.038%
134	9.648	9.620	9.673	VV	553	12605	0.20%	0.059%
135	9.734	9.673	9.767	VV	25526	276576	4.29%	1.290%
136	9.802	9.767	9.831	VV	704	15589	0.24%	0.073%
137	9.866	9.831	9.926	VV	993	21206	0.33%	0.099%
138	9.936	9.926	9.999	VV	368	9479	0.15%	0.044%
139	10.009	9.999	10.023	VV	352	3258	0.05%	0.015%
140	10.039	10.023	10.079	VV	394	9718	0.15%	0.045%
141	10.086	10.079	10.112	VV	381	4666	0.07%	0.022%

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142	10.138	10.112	10.159	PV	265	4389	0.07%	0.020%
143	10.179	10.159	10.250	VV	468	13421	0.21%	0.063%
144	10.261	10.250	10.275	VV	395	5013	0.08%	0.023%
145	10.302	10.275	10.363	VV	2336	40009	0.62%	0.187%
146	10.388	10.363	10.406	VV	1259	16203	0.25%	0.076%
147	10.418	10.406	10.442	VV	571	9917	0.15%	0.046%
148	10.449	10.442	10.465	VV	251	3598	0.06%	0.017%
149	10.488	10.465	10.501	VV	660	9371	0.15%	0.044%
150	10.507	10.501	10.535	VV	421	5562	0.09%	0.026%
151	10.556	10.535	10.572	VV	575	8766	0.14%	0.041%
152	10.584	10.572	10.640	VV	703	20459	0.32%	0.095%
153	10.656	10.640	10.672	VV	622	8593	0.13%	0.040%
154	10.699	10.672	10.712	VV	954	16852	0.26%	0.079%
155	10.733	10.712	10.759	VV	871	15025	0.23%	0.070%
156	10.765	10.759	10.780	VV	338	3810	0.06%	0.018%
157	10.793	10.780	10.830	VV	405	9923	0.15%	0.046%
158	10.855	10.830	10.876	VV	1003	15542	0.24%	0.073%
159	10.894	10.876	10.904	VV	416	6085	0.09%	0.028%
160	10.923	10.904	10.944	VV	616	11437	0.18%	0.053%
161	10.952	10.944	10.961	VV	506	3764	0.06%	0.018%
162	10.970	10.961	10.996	VV	388	6487	0.10%	0.030%
163	11.030	10.996	11.073	VV	386	12310	0.19%	0.057%
164	11.081	11.073	11.090	VV	232	1710	0.03%	0.008%
165	11.117	11.090	11.128	VV	317	4646	0.07%	0.022%
166	11.161	11.128	11.177	VV	410	6928	0.11%	0.032%
167	11.183	11.177	11.204	VV	306	2370	0.04%	0.011%
168	11.237	11.204	11.254	VV	627	9756	0.15%	0.046%
169	11.274	11.254	11.287	VV	514	6989	0.11%	0.033%
170	11.304	11.287	11.327	VV	1216	13390	0.21%	0.062%
171	11.380	11.327	11.429	VV	784	19651	0.30%	0.092%
172	11.464	11.429	11.479	PV	529	6155	0.10%	0.029%
173	11.496	11.479	11.520	VV	548	7504	0.12%	0.035%
174	11.544	11.520	11.579	VV	372	8002	0.12%	0.037%
175	11.625	11.579	11.675	VV	373609	3997267	62.03%	18.650%
176	11.691	11.675	11.700	VV	430	6152	0.10%	0.029%
177	11.718	11.700	11.754	VV	1193	19912	0.31%	0.093%
178	11.786	11.754	11.838	VV	813	17489	0.27%	0.082%
179	11.857	11.838	11.867	VV	414	4455	0.07%	0.021%
180	11.886	11.867	11.897	VV	376	4802	0.07%	0.022%
181	11.962	11.897	11.984	VV	629	20516	0.32%	0.096%
182	12.022	11.984	12.046	VV	5031	63358	0.98%	0.296%
183	12.064	12.046	12.108	VV	932	18612	0.29%	0.087%
184	12.123	12.108	12.149	VV	457	8410	0.13%	0.039%
185	12.210	12.149	12.285	VV	13824	184869	2.87%	0.863%
186	12.299	12.285	12.319	VV	684	10863	0.17%	0.051%
187	12.332	12.319	12.399	VV	775	23375	0.36%	0.109%
188	12.405	12.399	12.415	VV	408	2619	0.04%	0.012%
189	12.426	12.415	12.437	VV	364	3425	0.05%	0.016%
190	12.472	12.437	12.517	VV	1320	29288	0.45%	0.137%
191	12.549	12.517	12.589	VV	841	18857	0.29%	0.088%
192	12.609	12.589	12.641	PV	1229	16973	0.26%	0.079%
193	12.669	12.641	12.717	VV	2130	51292	0.80%	0.239%
194	12.734	12.717	12.760	VV	506	8057	0.13%	0.038%

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195	12.789	12.760	12.805	VV	469	7079	0.11%	0.033%
196	12.823	12.805	12.846	VV	377	6847	0.11%	0.032%
197	12.870	12.846	12.918	VV	501	13791	0.21%	0.064%
198	12.935	12.918	12.946	VV	394	4242	0.07%	0.020%
199	12.966	12.946	12.992	VV	1728	20661	0.32%	0.096%
200	13.010	12.992	13.025	VV	1017	14969	0.23%	0.070%
201	13.054	13.025	13.130	VV	91722	1058515	16.43%	4.939%
202	13.140	13.130	13.160	VV	501	4978	0.08%	0.023%
203	13.173	13.160	13.184	VV	439	4057	0.06%	0.019%
204	13.233	13.184	13.254	VV	1204	23430	0.36%	0.109%
205	13.276	13.254	13.385	VV	3354	76334	1.18%	0.356%
206	13.442	13.385	13.545	VV	8819	145483	2.26%	0.679%
207	13.556	13.545	13.590	VV	826	13836	0.21%	0.065%
208	13.601	13.590	13.610	VV	425	4108	0.06%	0.019%
209	13.626	13.610	13.643	VV	482	7392	0.11%	0.034%
210	13.665	13.643	13.719	VV	770	19878	0.31%	0.093%
211	13.755	13.719	13.781	VV	1591	25015	0.39%	0.117%
212	13.806	13.781	13.886	VV	1289	28387	0.44%	0.132%
213	13.931	13.886	13.955	VV	875	15156	0.24%	0.071%
214	13.963	13.955	14.012	PV	314	4818	0.07%	0.022%
215	14.044	14.012	14.115	VV	527	16585	0.26%	0.077%
216	14.192	14.115	14.216	VV	677	19264	0.30%	0.090%
217	14.240	14.216	14.274	VV	1099	19829	0.31%	0.093%
218	14.282	14.274	14.317	VV	423	7048	0.11%	0.033%
219	14.326	14.317	14.347	VV	219	3558	0.06%	0.017%
220	14.364	14.347	14.389	VV	415	6788	0.11%	0.032%
221	14.399	14.389	14.412	VV	358	3241	0.05%	0.015%
222	14.424	14.412	14.450	VV	560	8698	0.13%	0.041%
223	14.461	14.450	14.479	VV	497	6749	0.10%	0.031%
224	14.495	14.479	14.504	VV	433	5659	0.09%	0.026%
225	14.526	14.504	14.557	VV	740	14201	0.22%	0.066%
226	14.579	14.557	14.586	VV	407	5552	0.09%	0.026%
227	14.599	14.586	14.622	VV	584	7438	0.12%	0.035%
228	14.630	14.622	14.641	VV	200	1634	0.03%	0.008%
229	14.679	14.641	14.717	VV	764	15399	0.24%	0.072%
230	14.741	14.717	14.766	VV	645	8778	0.14%	0.041%
231	14.772	14.766	14.782	VV	206	1155	0.02%	0.005%
232	14.790	14.782	14.802	VV	157	1326	0.02%	0.006%
233	14.838	14.802	14.854	VV	977	14454	0.22%	0.067%
234	14.875	14.854	14.893	VV	1390	25114	0.39%	0.117%
235	14.904	14.893	14.932	VV	979	13123	0.20%	0.061%
236	14.946	14.932	14.974	VV	569	8763	0.14%	0.041%
237	15.004	14.974	15.021	VV	582	6785	0.11%	0.032%
238	15.067	15.042	15.099	VV	273	4148	0.06%	0.019%
239	15.143	15.099	15.160	VV	378	6642	0.10%	0.031%
240	15.166	15.160	15.184	VV	316	3055	0.05%	0.014%
241	15.199	15.184	15.220	VV	286	5052	0.08%	0.024%
242	15.279	15.220	15.315	VV	12750	172789	2.68%	0.806%
243	15.322	15.315	15.381	VV	676	15049	0.23%	0.070%
244	15.391	15.381	15.404	VV	203	2350	0.04%	0.011%
245	15.441	15.404	15.468	VV	2471	40002	0.62%	0.187%
246	15.480	15.468	15.502	VV	402	5861	0.09%	0.027%

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247	15.506	15.502	15.527	VV	403	2777	0.04%	0.013%
248	15.550	15.527	15.564	VV	403	6957	0.11%	0.032%
249	15.575	15.564	15.609	VV	290	5532	0.09%	0.026%
250	15.640	15.609	15.650	VV	330	6104	0.09%	0.028%
251	15.715	15.650	15.744	VV	772	22258	0.35%	0.104%
252	15.754	15.744	15.772	VV	390	4370	0.07%	0.020%
253	15.795	15.772	15.838	VV	788	17447	0.27%	0.081%
254	15.848	15.838	15.875	VV	381	6526	0.10%	0.030%
255	15.882	15.875	15.902	VV	552	5967	0.09%	0.028%
256	15.923	15.902	15.954	VV	1186	17052	0.26%	0.080%
257	15.984	15.954	16.012	VV	477	10062	0.16%	0.047%
258	16.018	16.012	16.025	VV	189	1175	0.02%	0.005%
259	16.065	16.025	16.087	PV	534	12012	0.19%	0.056%
260	16.095	16.087	16.109	VV	383	3421	0.05%	0.016%
261	16.123	16.109	16.164	VV	240	5898	0.09%	0.028%
262	16.176	16.164	16.189	VV	175	1570	0.02%	0.007%
263	16.212	16.189	16.245	VV	228	4150	0.06%	0.019%
264	16.289	16.245	16.340	VV	2858	46041	0.71%	0.215%
265	16.400	16.340	16.439	VV	1537	39806	0.62%	0.186%
266	16.482	16.439	16.505	VV	1135	19159	0.30%	0.089%
267	16.539	16.505	16.586	VV	1654	47124	0.73%	0.220%
268	16.600	16.586	16.629	VV	469	8073	0.13%	0.038%
269	16.655	16.629	16.671	VV	806	12641	0.20%	0.059%
270	16.680	16.671	16.694	VV	401	4780	0.07%	0.022%
271	16.708	16.694	16.736	VV	772	10535	0.16%	0.049%
272	16.766	16.736	16.797	VV	1509	22995	0.36%	0.107%
273	16.808	16.797	16.823	VV	326	3445	0.05%	0.016%
274	16.868	16.823	16.892	VV	1804	27636	0.43%	0.129%
275	16.919	16.892	16.969	VV	4486	76047	1.18%	0.355%
276	16.983	16.969	16.993	PV	293	2734	0.04%	0.013%
277	17.006	16.993	17.044	VV	298	5559	0.09%	0.026%
278	17.066	17.044	17.088	VV	356	5692	0.09%	0.027%
279	17.144	17.088	17.169	PV	356	8935	0.14%	0.042%
280	17.227	17.184	17.274	VV	3667	57364	0.89%	0.268%
281	17.317	17.274	17.343	VV	2784	43625	0.68%	0.204%
282	17.351	17.343	17.382	VV	273	4461	0.07%	0.021%
283	17.440	17.382	17.479	VV	1294	37961	0.59%	0.177%
284	17.487	17.479	17.512	VV	452	6695	0.10%	0.031%
285	17.543	17.512	17.582	VV	1922	32951	0.51%	0.154%
286	17.606	17.582	17.634	VV	639	11268	0.17%	0.053%
287	17.672	17.634	17.695	PV	435	7864	0.12%	0.037%
288	17.752	17.695	17.779	VV	2843	49976	0.78%	0.233%
289	17.796	17.779	17.811	VV	570	7579	0.12%	0.035%
290	17.843	17.811	17.927	VV	1753	41334	0.64%	0.193%
291	17.966	17.927	18.020	VV	558	20999	0.33%	0.098%
292	18.038	18.020	18.058	VV	627	9631	0.15%	0.045%
293	18.105	18.058	18.152	VV	12766	208265	3.23%	0.972%
294	18.174	18.152	18.222	VV	4714	73396	1.14%	0.342%
295	18.283	18.222	18.355	VV	3862	91796	1.42%	0.428%
296	18.381	18.355	18.417	VV	1760	30854	0.48%	0.144%
297	18.442	18.417	18.476	PV	463	8650	0.13%	0.040%
Sum of corrected areas:					21432498			

rteres

Aromatic EPH 081125.M Mon Aug 25 04:03:13 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC080125AL

AreaCount

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	42068648.000	19691016.000	8965532.000	4370721.000	2351668.000	
Aliphatic C12-C16	27843527.000	13014807.000	5942321.000	2897742.000	1543652.000	
Aliphatic C16-C21	38214284.000	18201524.000	8181971.000	4119976.000	2180745.000	
Aliphatic C21-C28	44820531.000	21625949.000	9610305.000	4868005.000	2590582.000	
Aliphatic C28-C40	52282691.000	25521026.000	11594465.000	5791453.000	3336702.000	
Aliphatic EPH	205229681.000	98054322.000	44294594.000	22047897.000	12003349.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	144679.273333	6.643				
Aliphatic C12-C16	143435.206	6.448				
Aliphatic C16-C21	133561.231333	6.997				
Aliphatic C21-C28	118307.822	7.116				
Aliphatic C28-C40	95315.2126662	10.853				
Aliphatic EPH	120373.0272216	7.787				

Concentration

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.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	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	140228.826666	131273.440000	149425.533333	145690.700000	156777.866666	
Aliphatic C12-C16	139217.635000	130148.070000	148558.025000	144887.100000	154365.200000	
Aliphatic C16-C21	127380.946666	121343.493333	136366.183333	137332.533333	145383.000000	

Initial Calibration Report for SequenceID : FC080125AL

Aliphatic C21-C28	112051.327500	108129.745000	120128.812500	121700.125000	129529.100000	
Aliphatic C28-C40	87137.818333	85070.086666	96620.541666	96524.216666	111223.400000	
Aliphatic EPH	114016.489444	108949.246666	123040.538888	122488.316666	133370.544444	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
 Data File : FC069558.D
 Signal(s) : FID1A.ch
 Acq On : 01 Aug 2025 11:01
 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: Aug 01 13:16:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:14:26 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)	11.682	14253274	96.812 ug/ml
Spiked Amount 50.000		Recovery =	193.62%
12) S 1-chlorooctadecane (S...	13.114	10515548	97.189 ug/ml
Spiked Amount 50.000		Recovery =	194.38%
Target Compounds			
1) T n-Nonane (C9)	3.407	13774723	96.965 ug/ml
2) T n-Decane (C10)	4.480	14093050	96.720 ug/ml
3) T A~Naphthalene (C11.7)	6.077	15000524	96.766 ug/ml
4) T n-Dodecane (C12)	6.506	14200875	96.793 ug/ml
5) T A~2-methylnaphthalene...	7.138	14366902	97.187 ug/ml
6) T n-Tetradecane (C14)	8.306	13912392	96.899 ug/ml
7) T n-Hexadecane (C16)	9.911	13931135	96.610 ug/ml
8) T n-Octadecane (C18)	11.358	13539702	96.568 ug/ml
10) T n-Eicosane (C20)	12.667	12534426	96.547 ug/ml
11) T n-Heneicosane (C21)	13.281	12140156	96.669 ug/ml
13) T n-Docosane (C22)	13.868	11884209	96.620 ug/ml
14) T n-Tetracosane (C24)	14.973	11473067	96.721 ug/ml
15) T n-Hexacosane (C26)	15.994	10972164	96.635 ug/ml
16) T n-Octacosane (C28)	16.945	10491091	96.074 ug/ml
17) T n-Tricontane (C30)	17.836	10399552	94.945 ug/ml
18) T n-Dotriacontane (C32)	18.669	9912896	94.027 ug/ml
19) T n-Tetratriacontane (C34)	19.454	9172293	94.283 ug/ml
20) T n-Hexatriacontane (C36)	20.195	8138973	94.805 ug/ml
21) T n-Octatriacontane (C38)	20.962	7522009	95.506 ug/ml
22) T n-Tetracontane (C40)	21.931	7136968	95.899 ug/ml

(f)=RT Delta > 1/2 Window

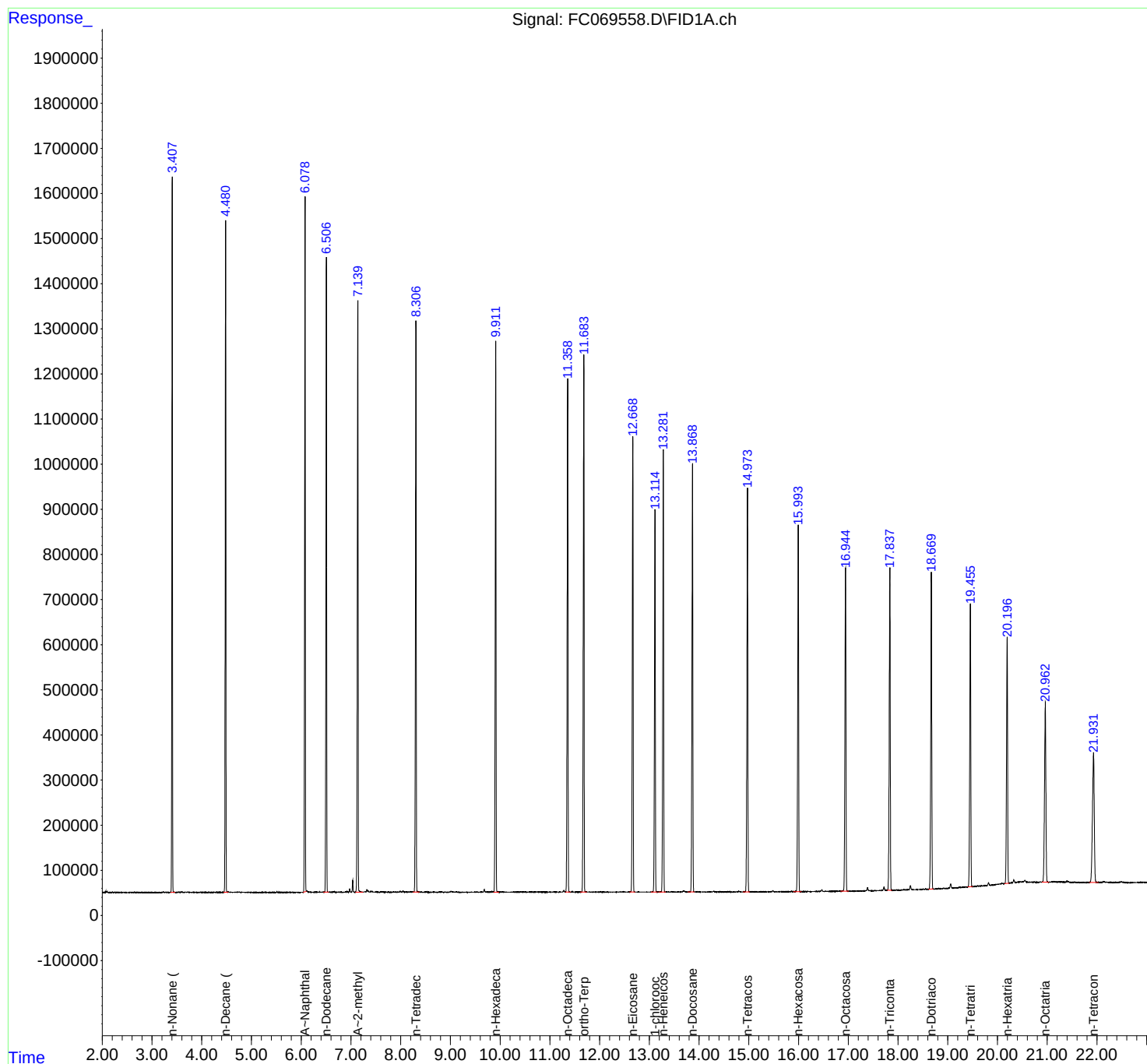
(m)=manual int.

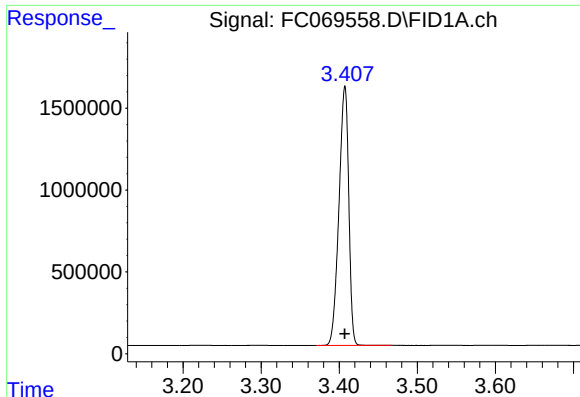
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069558.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:01
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 13:16:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

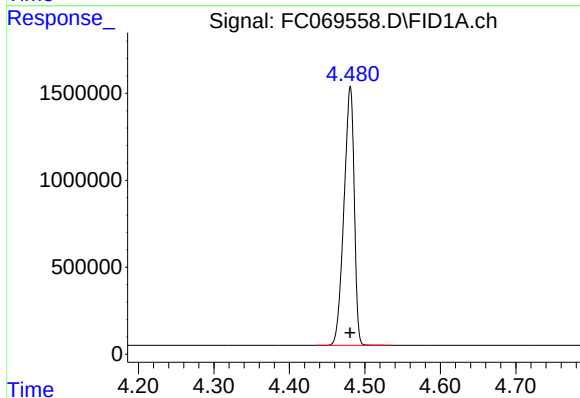




#1 n-Nonane (C9)

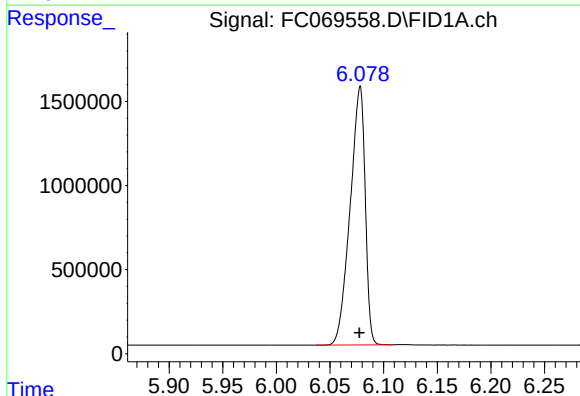
R.T.: 3.407 min
Delta R.T.: 0.000 min
Response: 13774723
Conc: 96.97 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



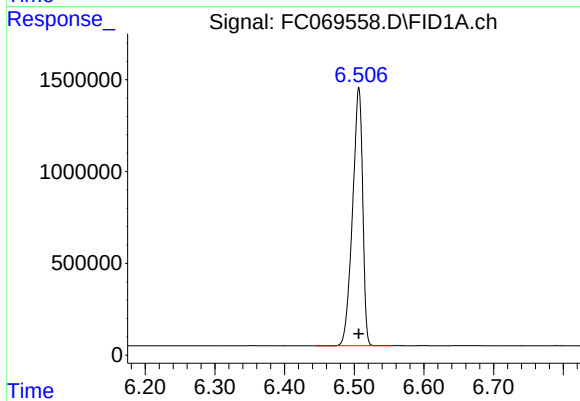
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 14093050
Conc: 96.72 ug/ml



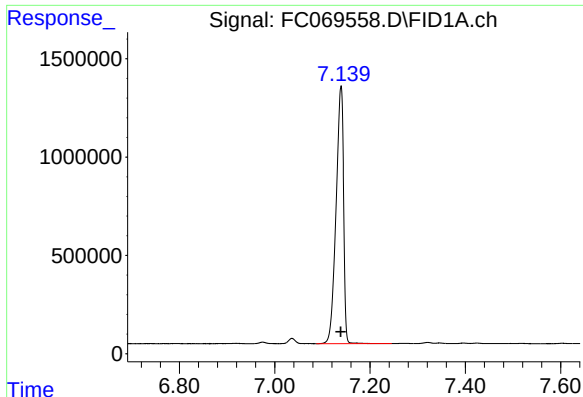
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 15000524
Conc: 96.77 ug/ml



#4 n-Dodecane (C12)

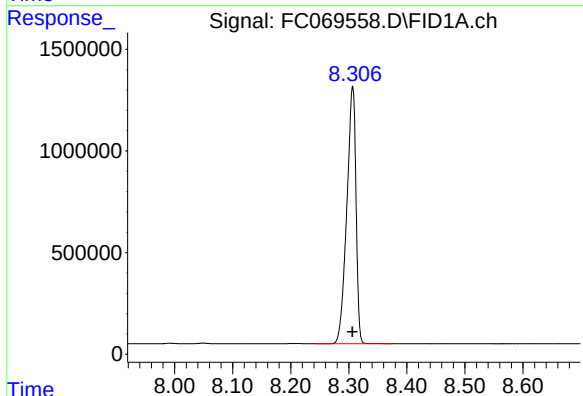
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 14200875
Conc: 96.79 ug/ml



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

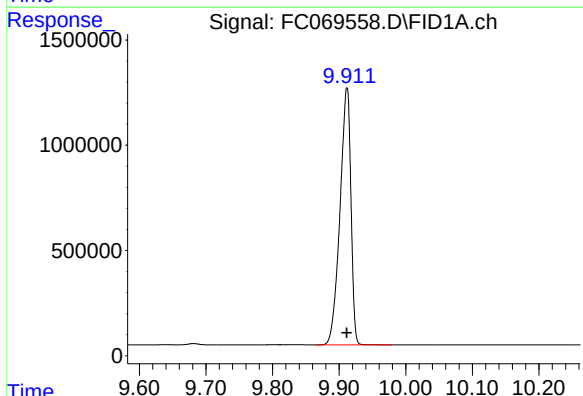
R.T.: 7.138 min
Delta R.T.: 0.000 min
Response: 14366902
Conc: 97.19 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



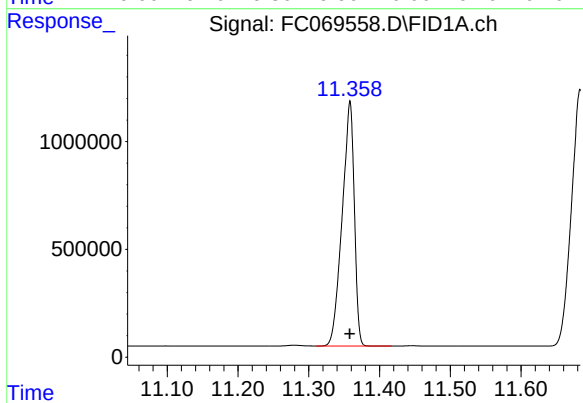
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 13912392
Conc: 96.90 ug/ml



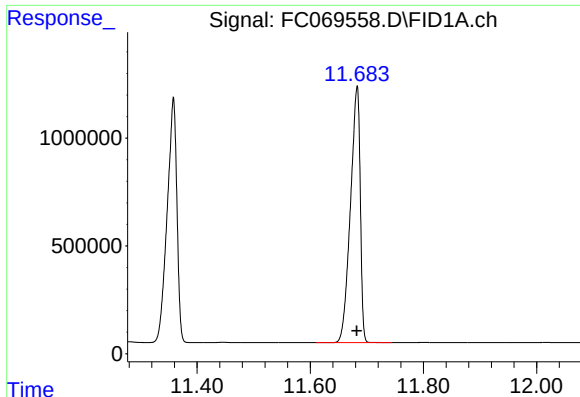
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 13931135
Conc: 96.61 ug/ml



#8 n-Octadecane (C18)

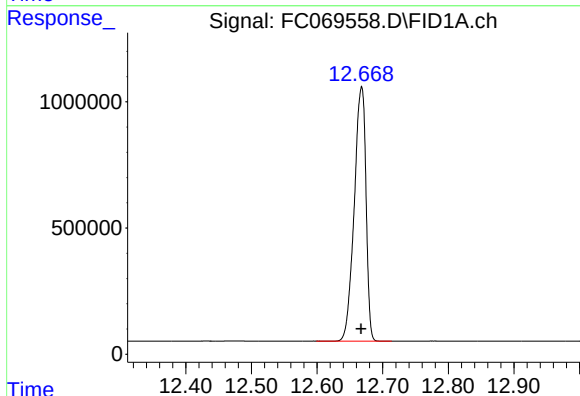
R.T.: 11.358 min
Delta R.T.: 0.000 min
Response: 13539702
Conc: 96.57 ug/ml



#9 ortho-Terphenyl (SURR)

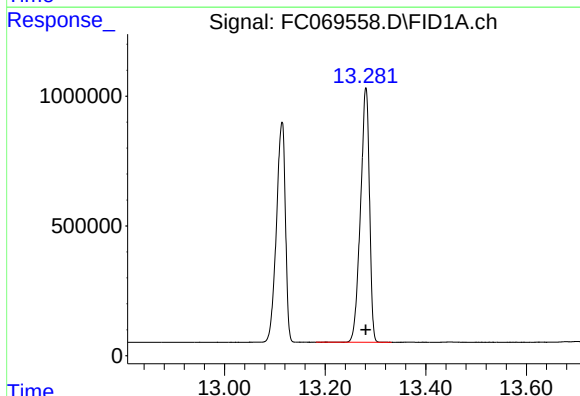
R.T.: 11.682 min
Delta R.T.: 0.000 min
Response: 14253274
Conc: 96.81 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



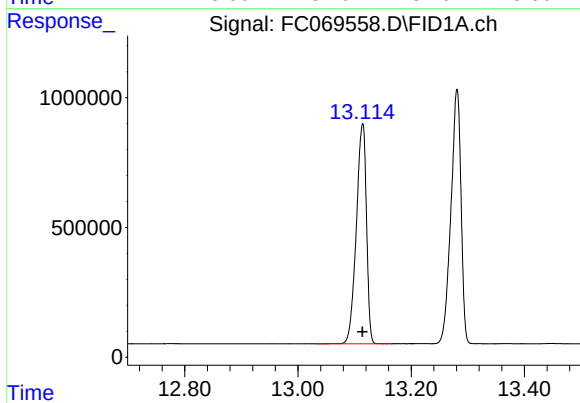
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: 0.000 min
Response: 12534426
Conc: 96.55 ug/ml



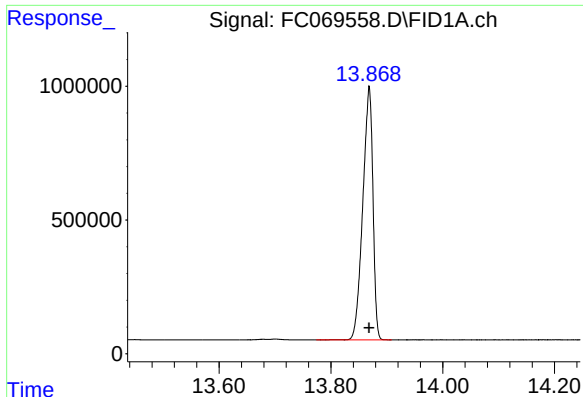
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 12140156
Conc: 96.67 ug/ml



#12 1-chlorooctadecane (SURR)

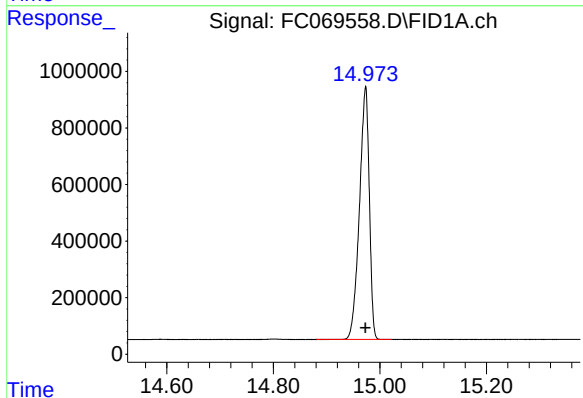
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 10515548
Conc: 97.19 ug/ml



#13 n-Docosane (C22)

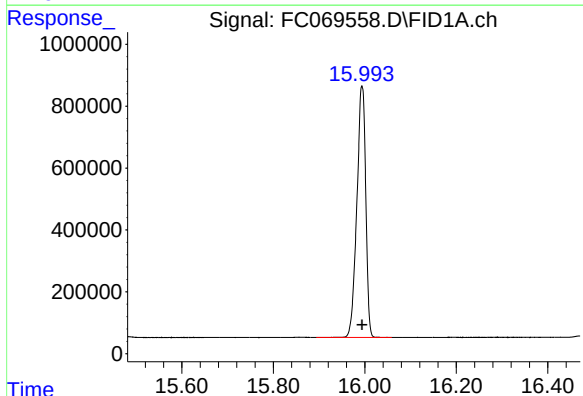
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 11884209
Conc: 96.62 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



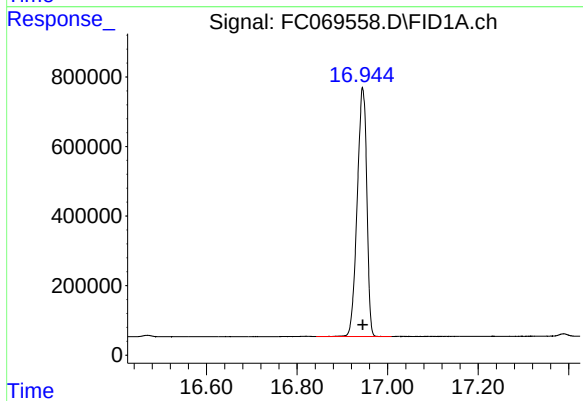
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: 0.000 min
Response: 11473067
Conc: 96.72 ug/ml



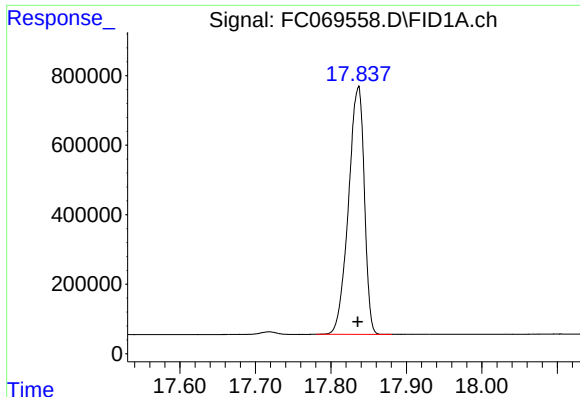
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: 0.000 min
Response: 10972164
Conc: 96.63 ug/ml



#16 n-Octacosane (C28)

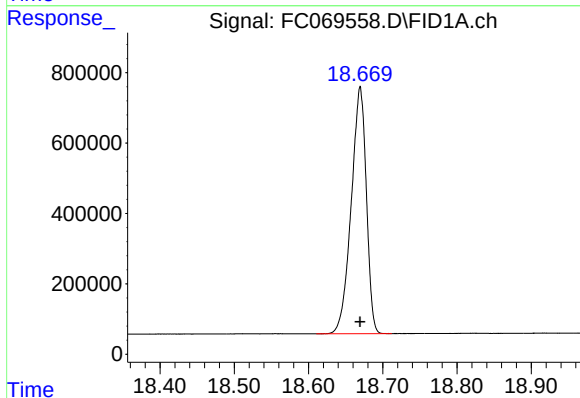
R.T.: 16.945 min
Delta R.T.: 0.000 min
Response: 10491091
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

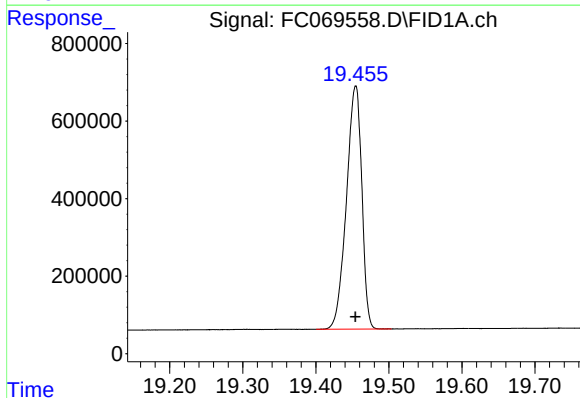
R.T.: 17.836 min
Delta R.T.: 0.000 min
Response: 10399552
Conc: 94.94 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



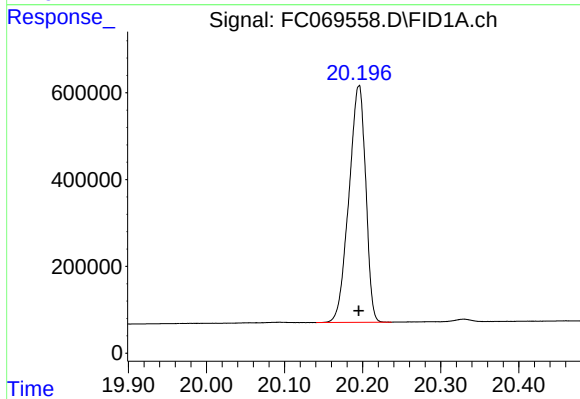
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: 0.000 min
Response: 9912896
Conc: 94.03 ug/ml



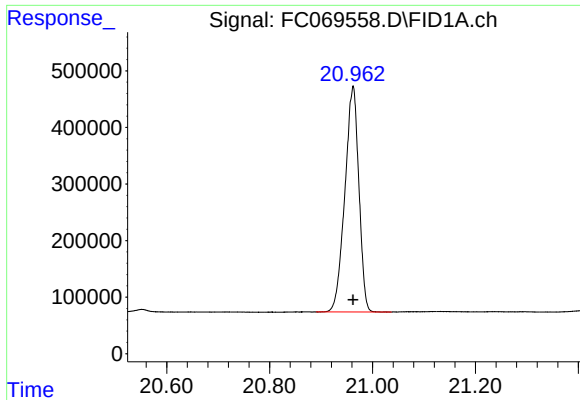
#19 n-Tetratriacontane (C34)

R.T.: 19.454 min
Delta R.T.: 0.000 min
Response: 9172293
Conc: 94.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.195 min
Delta R.T.: 0.000 min
Response: 8138973
Conc: 94.80 ug/ml



#21 n-Octatriacontane (C38)

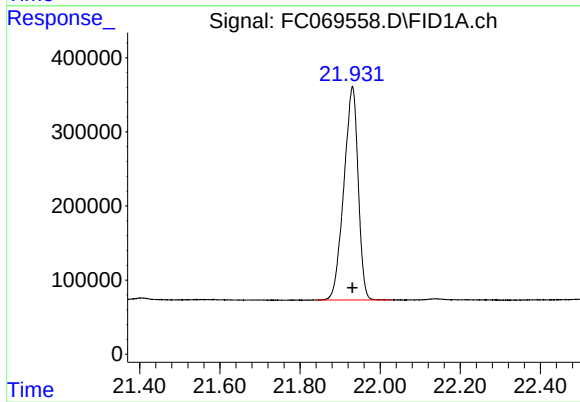
R.T.: 20.962 min
Delta R.T.: 0.000 min
Response: 7522009
Conc: 95.51 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.931 min
Delta R.T.: 0.000 min
Response: 7136968
Conc: 95.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069558.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:01
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 080125.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	3.370	3.467	BB	1587444	13774723	91.83%	5.311%
2	4.480	4.435	4.535	BB	1491680	14093050	93.95%	5.434%
3	6.077	6.037	6.107	BV	1521287	15000524	100.00%	5.784%
4	6.506	6.445	6.554	BB	1414300	14200875	94.67%	5.475%
5	7.138	7.087	7.245	BB	1309498	14366902	95.78%	5.539%
6	8.306	8.244	8.374	BB	1270779	13912392	92.75%	5.364%
7	9.911	9.865	9.979	BB	1227725	13931135	92.87%	5.371%
8	11.358	11.310	11.417	BB	1144490	13539702	90.26%	5.220%
9	11.682	11.610	11.744	BB	1181092	14253274	95.02%	5.495%
10	12.667	12.599	12.714	BB	1005716	12534426	83.56%	4.833%
11	13.114	13.032	13.165	BB	847551	10515548	70.10%	4.054%
12	13.281	13.182	13.332	BB	980354	12140156	80.93%	4.681%
13	13.868	13.774	13.909	BB	952859	11884209	79.23%	4.582%
14	14.973	14.880	15.022	BB	889036	11473067	76.48%	4.424%
15	15.994	15.894	16.059	BB	812438	10972164	73.15%	4.230%
16	16.945	16.842	17.009	BB	711087	10491091	69.94%	4.045%
17	17.836	17.780	17.880	BB	708633	10399552	69.33%	4.010%
18	18.669	18.610	18.712	BB	700961	9912896	66.08%	3.822%
19	19.454	19.400	19.504	BB	626705	9172293	61.15%	3.536%
20	20.195	20.140	20.237	BV	545514	8138973	54.26%	3.138%
21	20.962	20.890	21.037	BV	399679	7522009	50.14%	2.900%
22	21.931	21.840	22.029	BB	288157	7136968	47.58%	2.752%
Sum of corrected areas:						259365928		

Aliphatic EPH 080125.M Fri Aug 01 15:08:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
 Data File : FC069559.D
 Signal(s) : FID1A.ch
 Acq On : 01 Aug 2025 11:43
 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: Aug 01 13:17:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:14:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

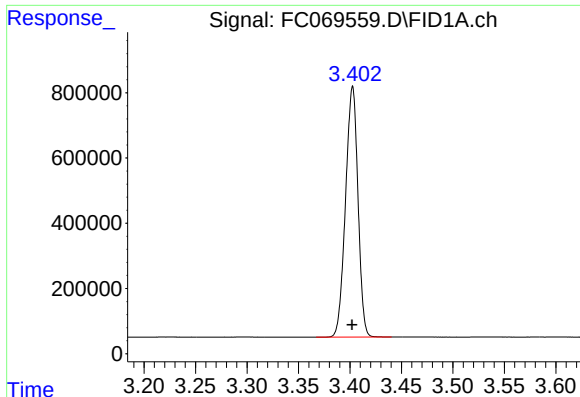
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.674	6835847	47.562 ug/ml
Spiked Amount 50.000		Recovery =	95.12%
12) S 1-chlorooctadecane (S...	13.109	5030704	47.608 ug/ml
Spiked Amount 50.000		Recovery =	95.22%
Target Compounds			
1) T n-Nonane (C9)	3.402	6460632	46.892 ug/ml
2) T n-Decane (C10)	4.476	6602241	46.773 ug/ml
3) T A~Naphthalene (C11.7)	6.072	7117131	47.198 ug/ml
4) T n-Dodecane (C12)	6.501	6628143	46.678 ug/ml
5) T A~2-methylnaphthalene...	7.132	6792629	47.225 ug/ml
6) T n-Tetradecane (C14)	8.301	6486829	46.680 ug/ml
7) T n-Hexadecane (C16)	9.906	6527978	46.744 ug/ml
8) T n-Octadecane (C18)	11.351	6407218	47.047 ug/ml
10) T n-Eicosane (C20)	12.662	5985413	47.333 ug/ml
11) T n-Heneicosane (C21)	13.275	5808893	47.439 ug/ml
13) T n-Docosane (C22)	13.862	5705652	47.532 ug/ml
14) T n-Tetracosane (C24)	14.967	5527058	47.677 ug/ml
15) T n-Hexacosane (C26)	15.990	5299336	47.731 ug/ml
16) T n-Octacosane (C28)	16.941	5093903	47.715 ug/ml
17) T n-Tricontane (C30)	17.830	5089600	47.587 ug/ml
18) T n-Dotriacontane (C32)	18.663	4885889	47.502 ug/ml
19) T n-Tetratriacontane (C34)	19.449	4493512	47.393 ug/ml
20) T n-Hexatriacontane (C36)	20.189	3952844	47.291 ug/ml
21) T n-Octatriacontane (C38)	20.953	3637053	47.386 ug/ml
22) T n-Tetracontane (C40)	21.922	3462128	47.625 ug/ml

(f)=RT Delta > 1/2 Window

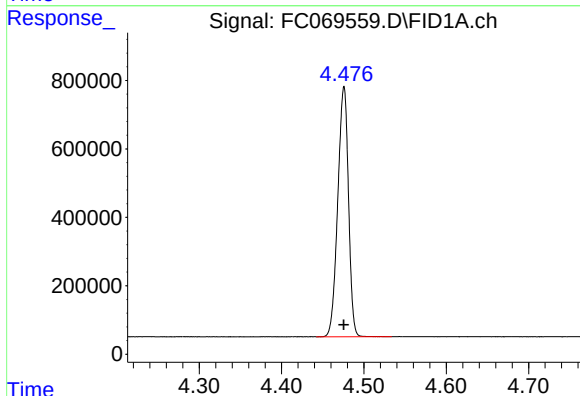
(m)=manual int.



#1 n-Nonane (C9)

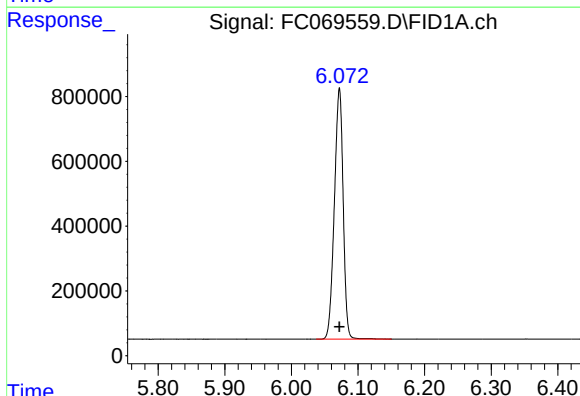
R.T.: 3.402 min
Delta R.T.: 0.000 min
Response: 6460632
Conc: 46.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



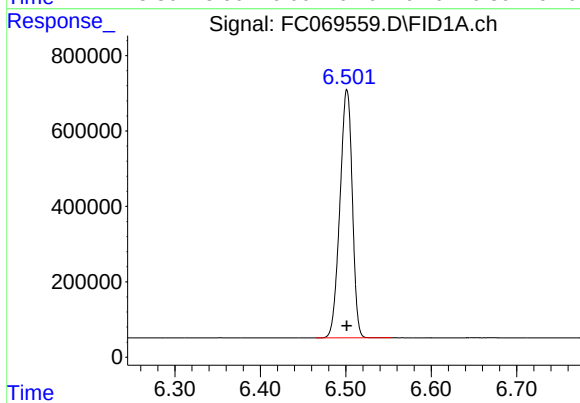
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: 0.000 min
Response: 6602241
Conc: 46.77 ug/ml



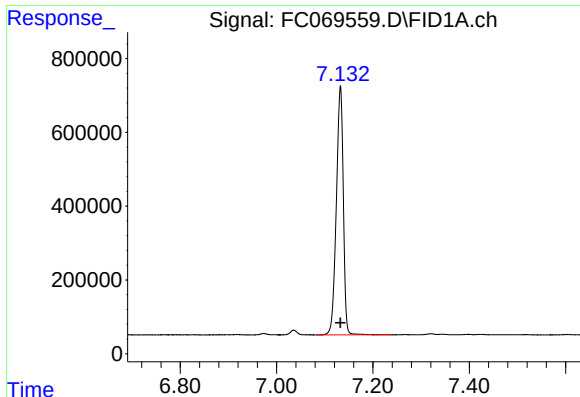
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 7117131
Conc: 47.20 ug/ml



#4 n-Dodecane (C12)

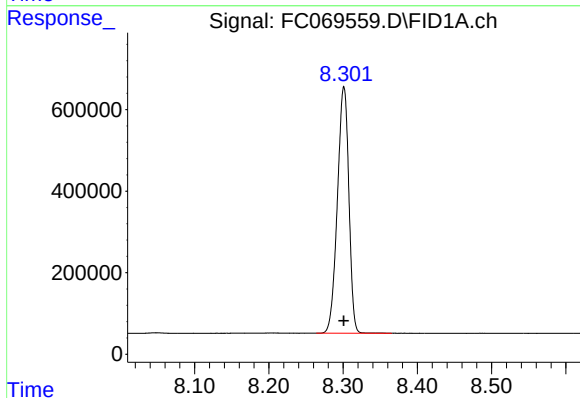
R.T.: 6.501 min
Delta R.T.: 0.000 min
Response: 6628143
Conc: 46.68 ug/ml



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

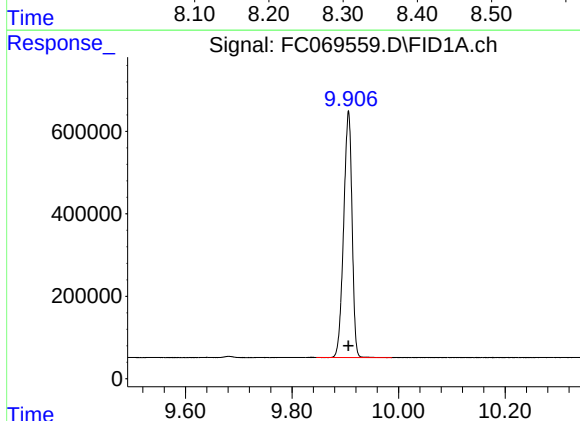
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 6792629
Conc: 47.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



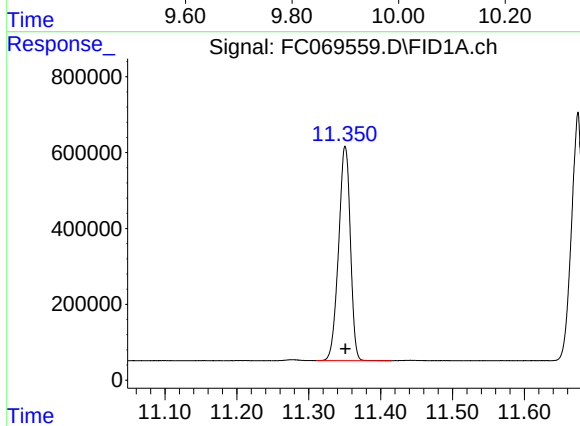
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: 0.000 min
Response: 6486829
Conc: 46.68 ug/ml



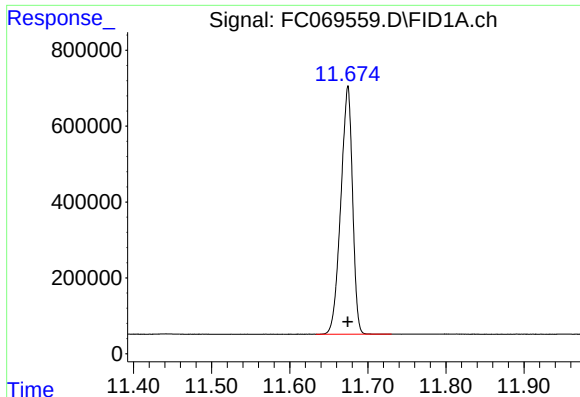
#7 n-Hexadecane (C16)

R.T.: 9.906 min
Delta R.T.: 0.000 min
Response: 6527978
Conc: 46.74 ug/ml



#8 n-Octadecane (C18)

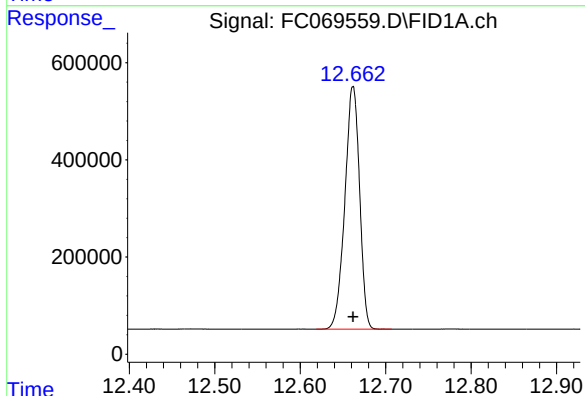
R.T.: 11.351 min
Delta R.T.: 0.000 min
Response: 6407218
Conc: 47.05 ug/ml



#9 ortho-Terphenyl (SURR)

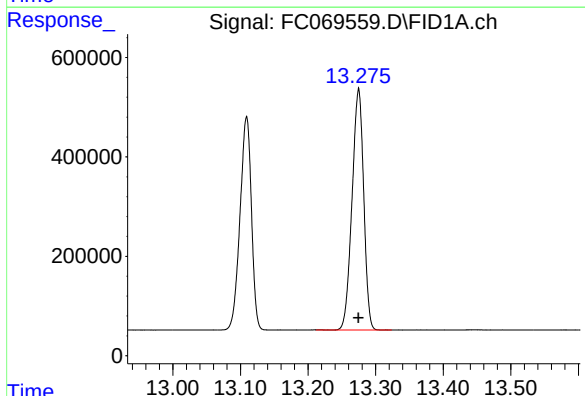
R.T.: 11.674 min
Delta R.T.: 0.000 min
Response: 6835847
Conc: 47.56 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



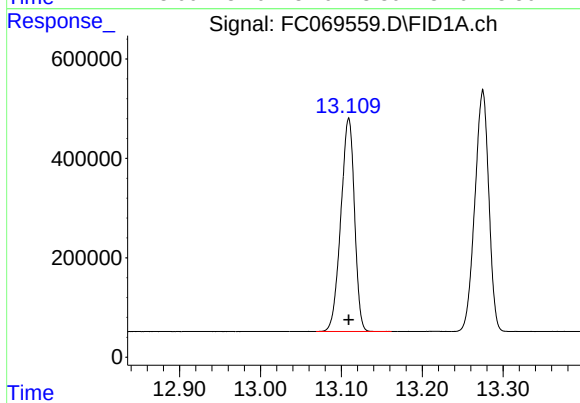
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: 0.000 min
Response: 5985413
Conc: 47.33 ug/ml



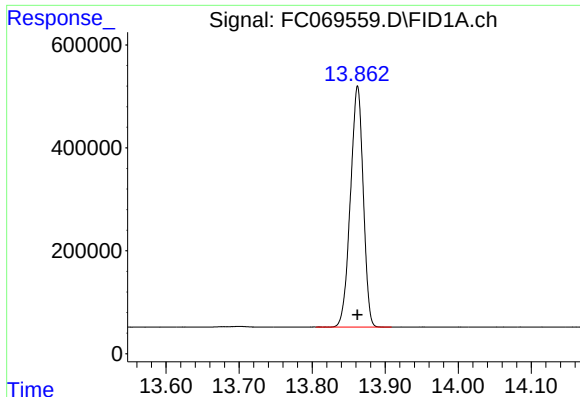
#11 n-Heneicosane (C21)

R.T.: 13.275 min
Delta R.T.: 0.000 min
Response: 5808893
Conc: 47.44 ug/ml



#12 1-chlorooctadecane (SURR)

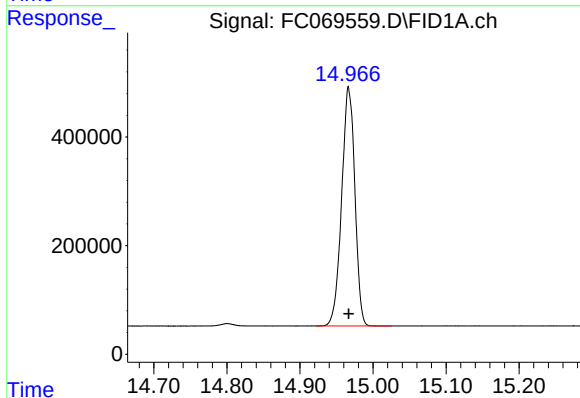
R.T.: 13.109 min
Delta R.T.: 0.000 min
Response: 5030704
Conc: 47.61 ug/ml



#13 n-Docosane (C22)

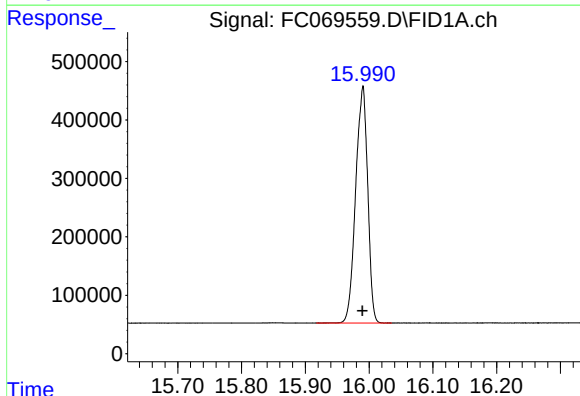
R.T.: 13.862 min
Delta R.T.: 0.000 min
Response: 5705652
Conc: 47.53 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



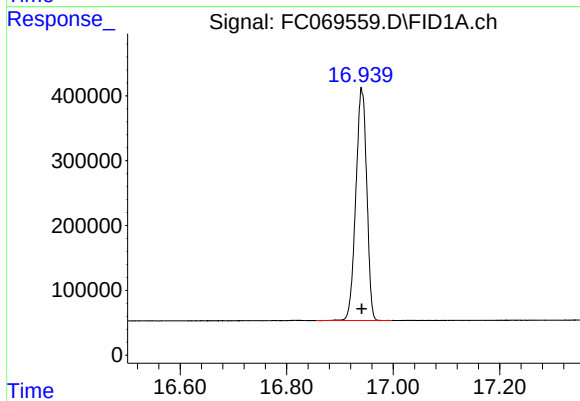
#14 n-Tetracosane (C24)

R.T.: 14.967 min
Delta R.T.: 0.000 min
Response: 5527058
Conc: 47.68 ug/ml



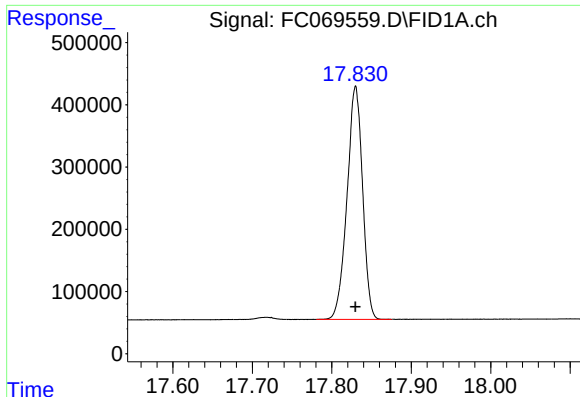
#15 n-Hexacosane (C26)

R.T.: 15.990 min
Delta R.T.: 0.000 min
Response: 5299336
Conc: 47.73 ug/ml



#16 n-Octacosane (C28)

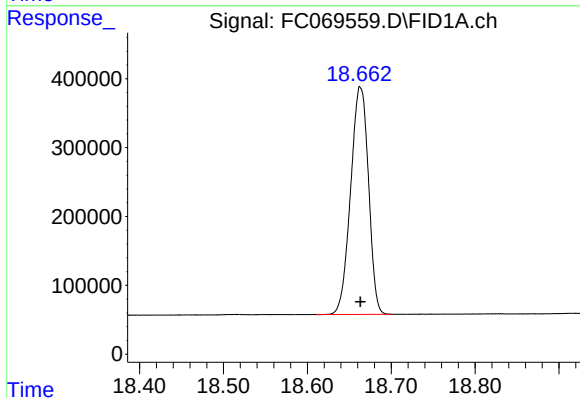
R.T.: 16.941 min
Delta R.T.: 0.000 min
Response: 5093903
Conc: 47.71 ug/ml



#17 n-Tricontane (C30)

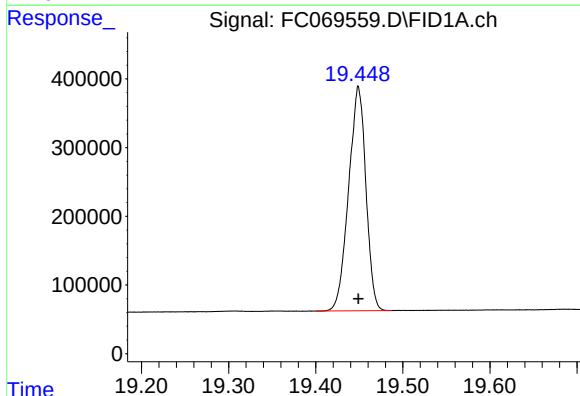
R.T.: 17.830 min
Delta R.T.: 0.000 min
Response: 5089600
Conc: 47.59 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



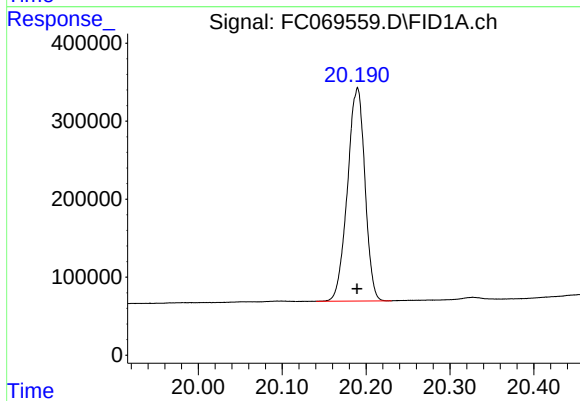
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: 0.000 min
Response: 4885889
Conc: 47.50 ug/ml



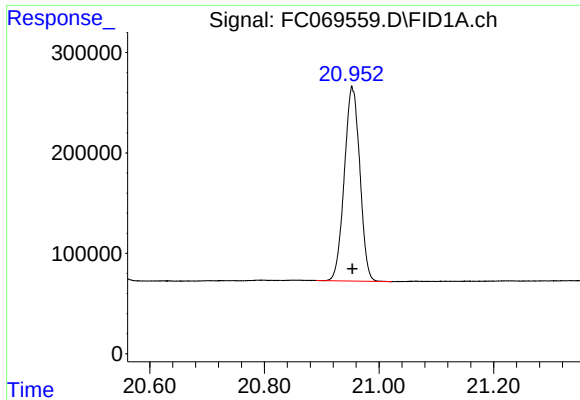
#19 n-Tetratriacontane (C34)

R.T.: 19.449 min
Delta R.T.: 0.000 min
Response: 4493512
Conc: 47.39 ug/ml



#20 n-Hexatriacontane (C36)

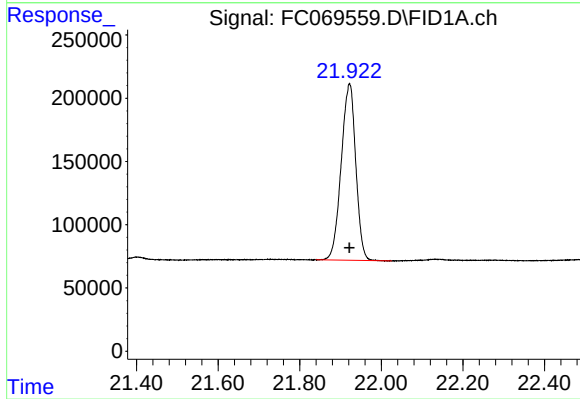
R.T.: 20.189 min
Delta R.T.: 0.000 min
Response: 3952844
Conc: 47.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.953 min
Delta R.T.: 0.000 min
Response: 3637053
Conc: 47.39 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.922 min
Delta R.T.: 0.000 min
Response: 3462128
Conc: 47.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069559.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:43
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 080125.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	3.402	3.367	3.440	BB	767884	6460632	90.78%	5.217%
2	4.476	4.442	4.534	BB	730907	6602241	92.77%	5.332%
3	6.072	6.037	6.150	BB	777576	7117131	100.00%	5.747%
4	6.501	6.465	6.554	BB	659056	6628143	93.13%	5.353%
5	7.132	7.082	7.239	BB	674204	6792629	95.44%	5.485%
6	8.301	8.264	8.365	BB	604554	6486829	91.14%	5.238%
7	9.906	9.845	9.987	BB	596945	6527978	91.72%	5.272%
8	11.351	11.310	11.415	BB	565203	6407218	90.03%	5.174%
9	11.674	11.634	11.730	BB	651686	6835847	96.05%	5.520%
10	12.662	12.619	12.707	BB	499653	5985413	84.10%	4.834%
11	13.109	13.069	13.162	BB	428770	5030704	70.68%	4.063%
12	13.275	13.212	13.324	BB	487675	5808893	81.62%	4.691%
13	13.862	13.805	13.909	BB	469221	5705652	80.17%	4.608%
14	14.967	14.922	15.025	BB	435680	5527058	77.66%	4.463%
15	15.990	15.917	16.035	BB	406930	5299336	74.46%	4.280%
16	16.941	16.855	16.997	BB	357249	5093903	71.57%	4.114%
17	17.830	17.780	17.875	BB	375927	5089600	71.51%	4.110%
18	18.663	18.610	18.700	BB	328772	4885889	68.65%	3.946%
19	19.449	19.400	19.487	BB	326962	4493512	63.14%	3.629%
20	20.189	20.140	20.230	BV	271528	3952844	55.54%	3.192%
21	20.953	20.890	21.022	BB	192089	3637053	51.10%	2.937%
22	21.922	21.840	22.025	BB	139624	3462128	48.64%	2.796%
Sum of corrected areas:						123830632		

Aliphatic EPH 080125.M Fri Aug 01 15:08:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
 Data File : FC069560.D
 Signal(s) : FID1A.ch
 Acq On : 01 Aug 2025 12:24
 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: Aug 01 13:14:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:14:26 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)	11.671	3038421	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.106	2224752	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.402	2927397	20.000 ug/ml
2) T n-Decane (C10)	4.474	3009770	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.070	3200665	20.000 ug/ml
4) T n-Dodecane (C12)	6.499	3028365	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.130	3039698	20.000 ug/ml
6) T n-Tetradecane (C14)	8.299	2960582	20.000 ug/ml
7) T n-Hexadecane (C16)	9.902	2981739	20.000 ug/ml
8) T n-Octadecane (C18)	11.348	2900399	20.000 ug/ml
10) T n-Eicosane (C20)	12.659	2686211	20.000 ug/ml
11) T n-Heneicosane (C21)	13.273	2595361	20.000 ug/ml
13) T n-Docosane (C22)	13.860	2543151	20.000 ug/ml
14) T n-Tetracosane (C24)	14.964	2450175	20.000 ug/ml
15) T n-Hexacosane (C26)	15.986	2347283	20.000 ug/ml
16) T n-Octacosane (C28)	16.938	2269696	20.000 ug/ml
17) T n-Tricontane (C30)	17.827	2301407	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.660	2234449	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.446	2056944	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.186	1806195	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.952	1645997	20.000 ug/ml
22) T n-Tetracontane (C40)	21.918	1549473	20.000 ug/ml

(f)=RT Delta > 1/2 Window

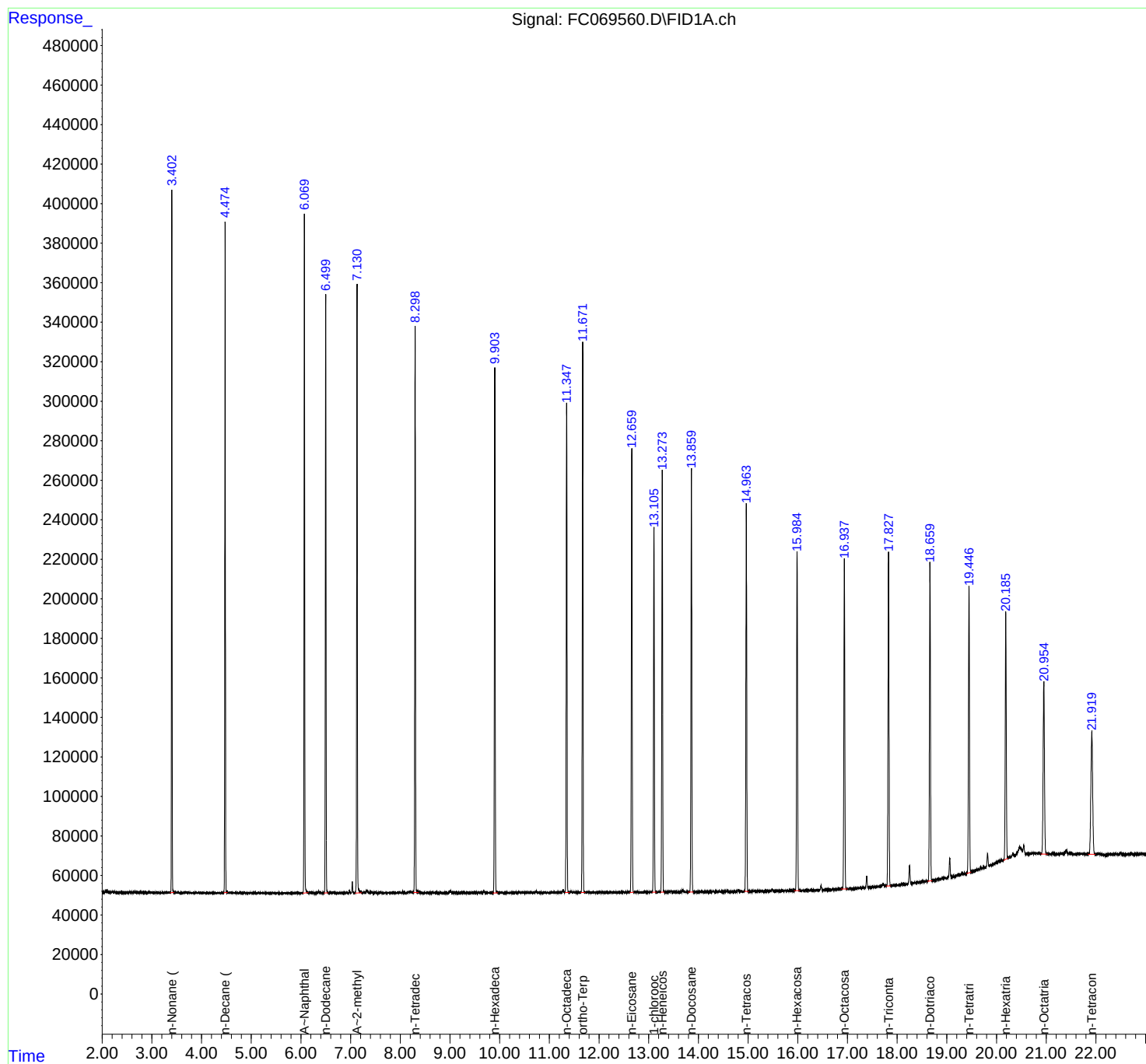
(m)=manual int.

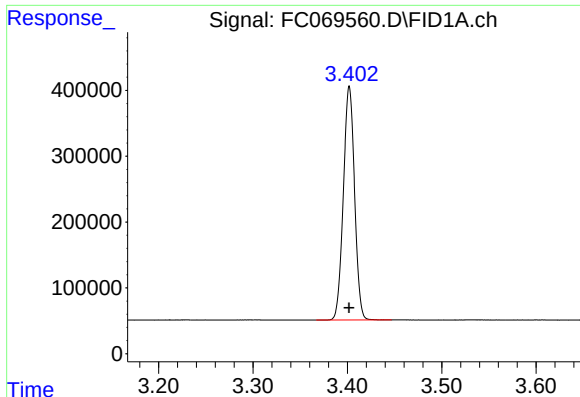
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069560.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 12:24
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 13:14:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

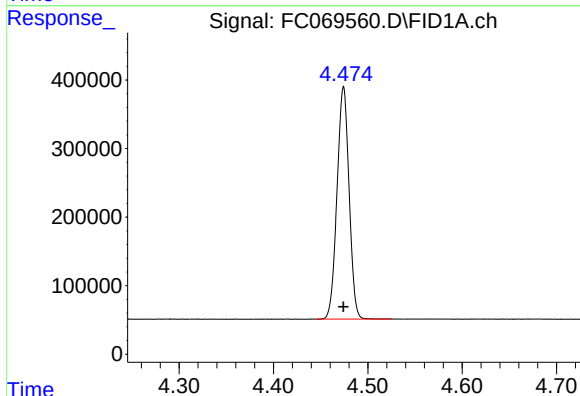




#1 n-Nonane (C9)

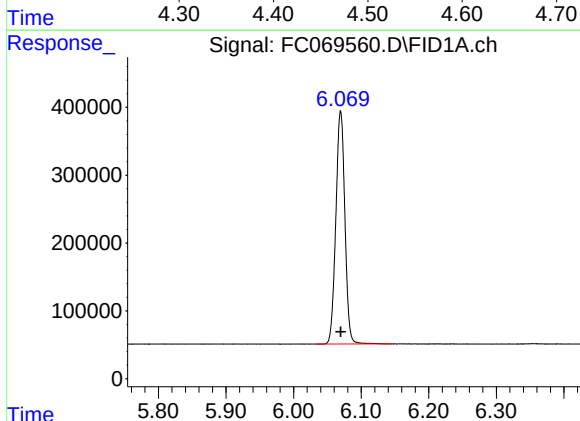
R.T.: 3.402 min
Delta R.T.: 0.000 min
Response: 2927397
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



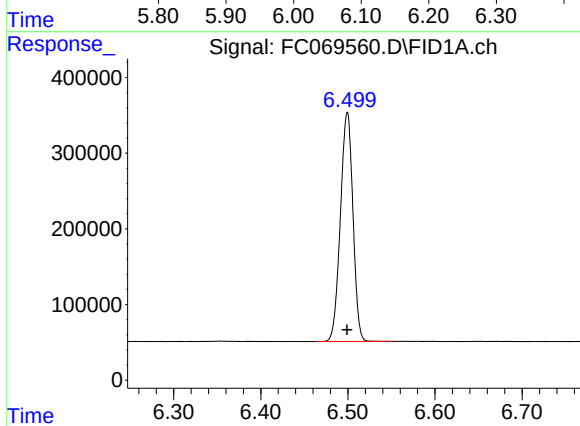
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.000 min
Response: 3009770
Conc: 20.00 ug/ml



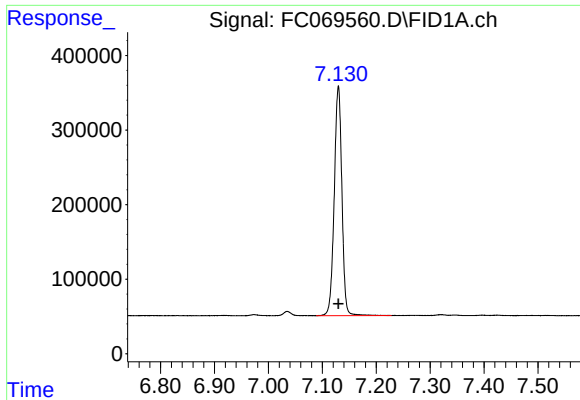
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 3200665
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

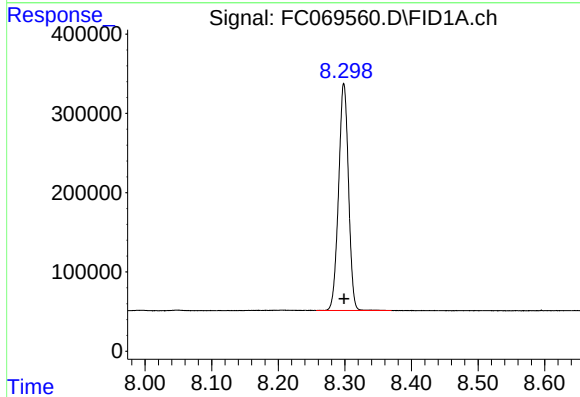
R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 3028365
Conc: 20.00 ug/ml



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

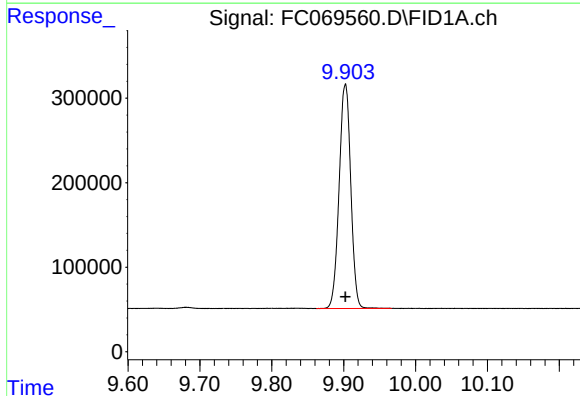
R.T.: 7.130 min
Delta R.T.: 0.000 min
Response: 3039698
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



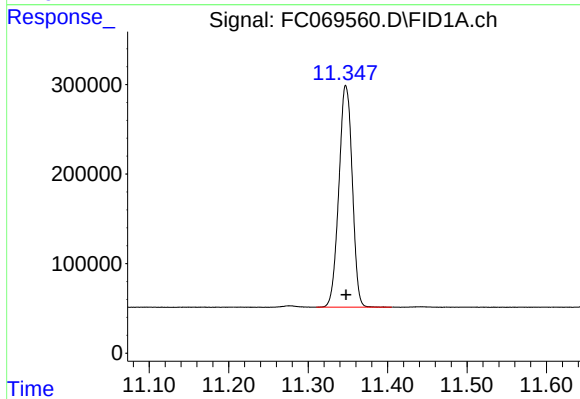
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 2960582
Conc: 20.00 ug/ml



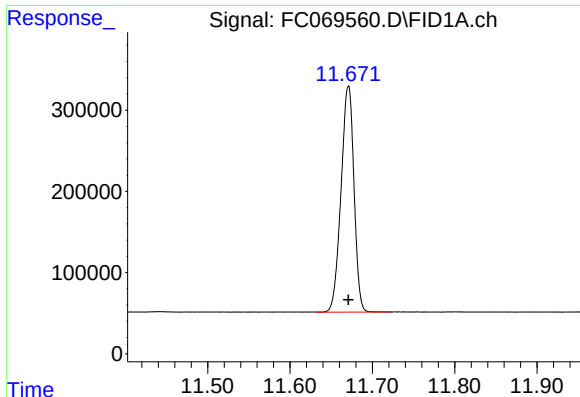
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 2981739
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

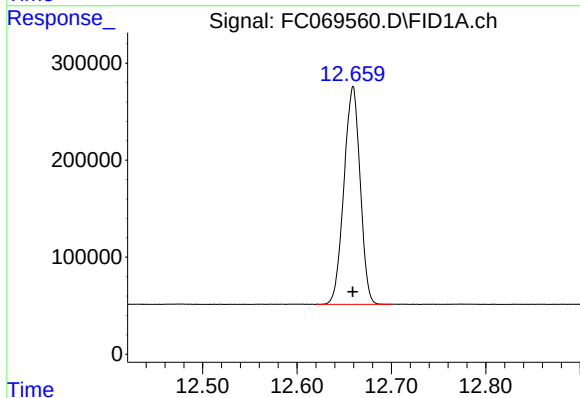
R.T.: 11.348 min
Delta R.T.: 0.000 min
Response: 2900399
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

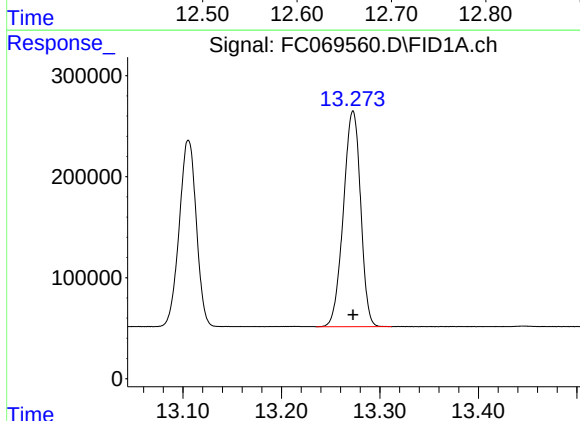
R.T.: 11.671 min
Delta R.T.: 0.000 min
Response: 3038421
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



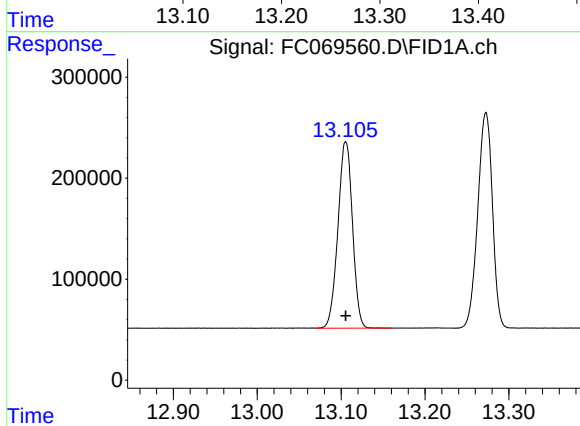
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: 0.000 min
Response: 2686211
Conc: 20.00 ug/ml



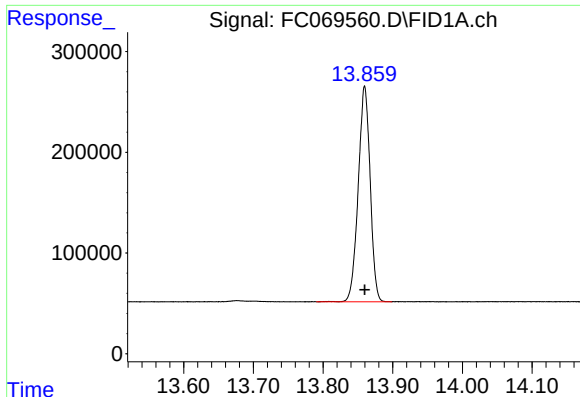
#11 n-Heneicosane (C21)

R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 2595361
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

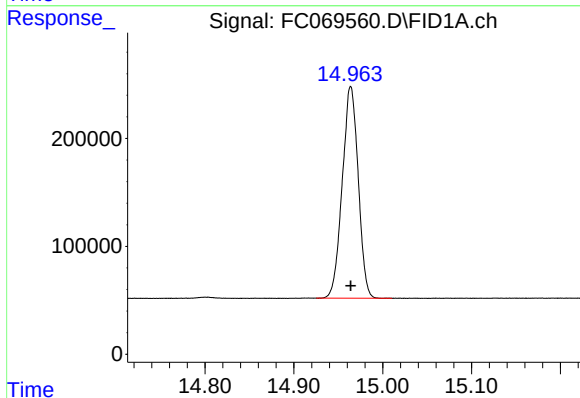
R.T.: 13.106 min
Delta R.T.: 0.000 min
Response: 2224752
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

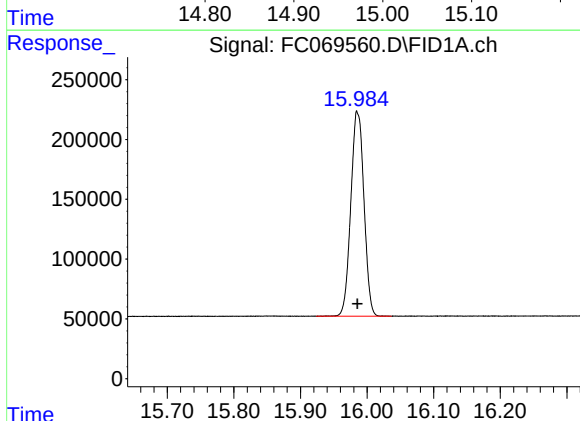
R.T.: 13.860 min
Delta R.T.: 0.000 min
Response: 2543151
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



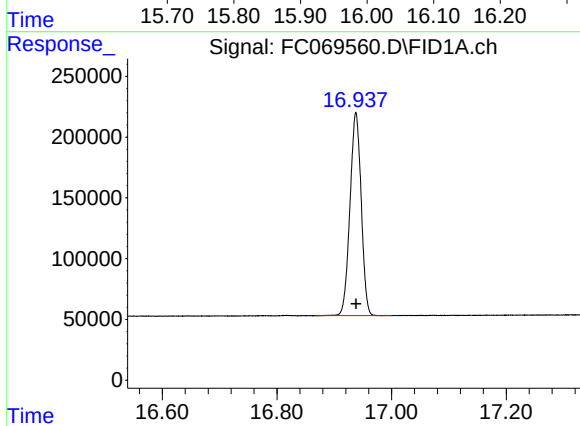
#14 n-Tetracosane (C24)

R.T.: 14.964 min
Delta R.T.: 0.000 min
Response: 2450175
Conc: 20.00 ug/ml



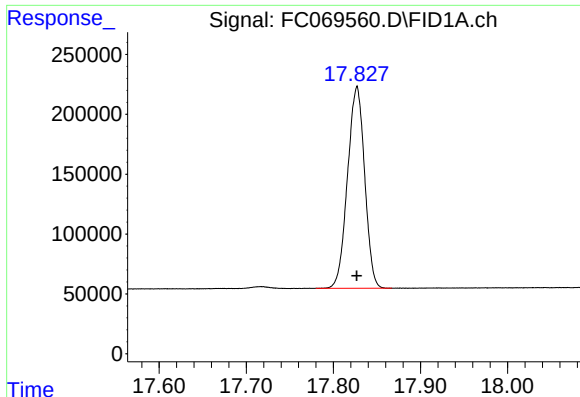
#15 n-Hexacosane (C26)

R.T.: 15.986 min
Delta R.T.: 0.000 min
Response: 2347283
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

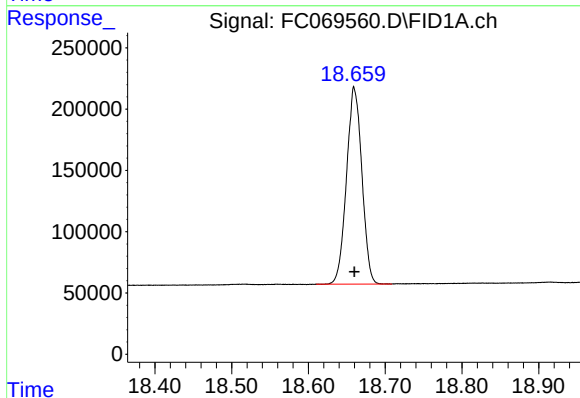
R.T.: 16.938 min
Delta R.T.: 0.000 min
Response: 2269696
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

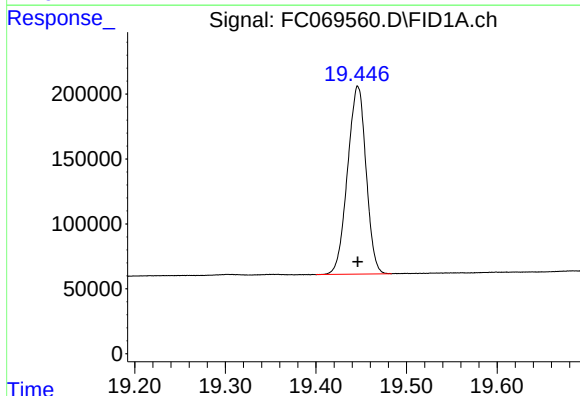
R.T.: 17.827 min
Delta R.T.: 0.000 min
Response: 2301407
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



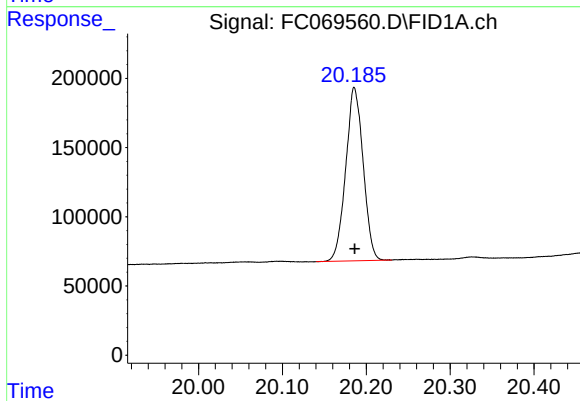
#18 n-Dotriacontane (C32)

R.T.: 18.660 min
Delta R.T.: 0.000 min
Response: 2234449
Conc: 20.00 ug/ml



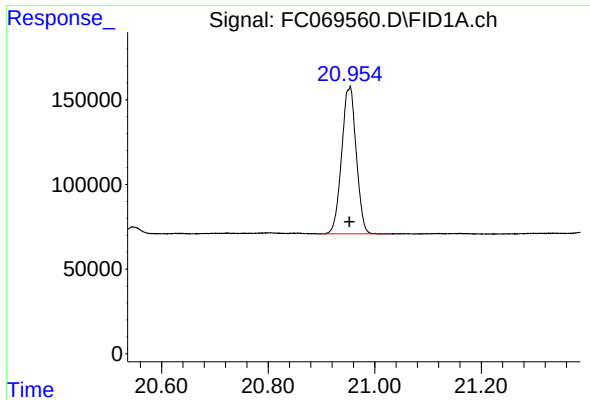
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: 0.000 min
Response: 2056944
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

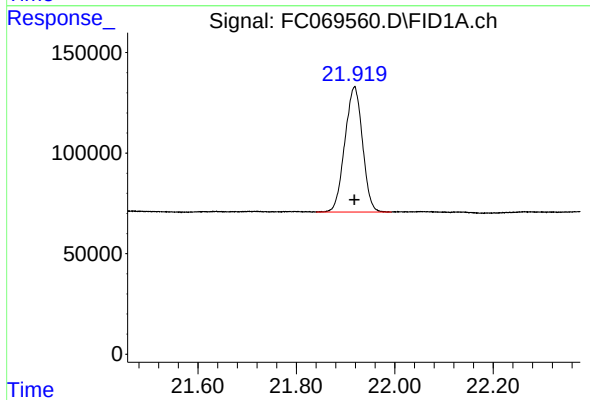
R.T.: 20.186 min
Delta R.T.: 0.000 min
Response: 1806195
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.952 min
Delta R.T.: 0.000 min
Response: 1645997
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.918 min
Delta R.T.: 0.000 min
Response: 1549473
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069560.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 12:24
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 080125.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	3.402	3.367	3.447	BB	355162	2927397	91.46%	5.246%
2	4.474	4.445	4.525	BB	338269	3009770	94.04%	5.394%
3	6.070	6.033	6.145	BB	343195	3200665	100.00%	5.736%
4	6.499	6.463	6.550	BB	302438	3028365	94.62%	5.427%
5	7.130	7.088	7.228	BB	308518	3039698	94.97%	5.448%
6	8.299	8.257	8.370	BB	286366	2960582	92.50%	5.306%
7	9.902	9.862	9.967	BB	264774	2981739	93.16%	5.344%
8	11.348	11.310	11.405	BB	246104	2900399	90.62%	5.198%
9	11.671	11.632	11.723	BB	277969	3038421	94.93%	5.445%
10	12.659	12.620	12.700	BB	224081	2686211	83.93%	4.814%
11	13.106	13.070	13.160	BB	184547	2224752	69.51%	3.987%
12	13.273	13.235	13.312	BB	213340	2595361	81.09%	4.651%
13	13.860	13.790	13.898	BB	214096	2543151	79.46%	4.558%
14	14.964	14.925	15.010	BB	196220	2450175	76.55%	4.391%
15	15.986	15.923	16.037	BB	170402	2347283	73.34%	4.207%
16	16.938	16.868	17.000	BB	167286	2269696	70.91%	4.068%
17	17.827	17.780	17.867	BB	168435	2301407	71.90%	4.125%
18	18.660	18.610	18.708	BB	158841	2234449	69.81%	4.005%
19	19.446	19.400	19.483	BB	144512	2056944	64.27%	3.686%
20	20.186	20.140	20.230	BV	124468	1806195	56.43%	3.237%
21	20.952	20.890	21.032	BB	85565	1645997	51.43%	2.950%
22	21.918	21.840	21.993	BB	62374	1549473	48.41%	2.777%
Sum of corrected areas:						55798128		

Aliphatic EPH 080125.M Fri Aug 01 15:09:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
 Data File : FC069561.D
 Signal(s) : FID1A.ch
 Acq On : 01 Aug 2025 13:06
 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: Aug 01 13:29:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:29:13 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	1534923	10.501 ug/ml
Spiked Amount 50.000		Recovery =	21.00%
12) S 1-chlorooctadecane (S...	13.105	1117333	10.424 ug/ml
Spiked Amount 50.000		Recovery =	20.85%
Target Compounds			
1) T n-Nonane (C9)	3.400	1439879	10.334 ug/ml
2) T n-Decane (C10)	4.473	1462951	10.271 ug/ml
3) T A~Naphthalene (C11.7)	6.069	1569203	10.302 ug/ml
4) T n-Dodecane (C12)	6.498	1467891	10.251 ug/ml
5) T A~2-methylnaphthalene...	7.128	1485813	10.245 ug/ml
6) T n-Tetradecane (C14)	8.297	1433466	10.235 ug/ml
7) T n-Hexadecane (C16)	9.902	1464276	10.359 ug/ml
8) T n-Octadecane (C18)	11.346	1447437	10.464 ug/ml
10) T n-Eicosane (C20)	12.658	1356080	10.533 ug/ml
11) T n-Heneicosane (C21)	13.271	1316459	10.553 ug/ml
13) T n-Docosane (C22)	13.858	1289069	10.544 ug/ml
14) T n-Tetracosane (C24)	14.963	1243261	10.534 ug/ml
15) T n-Hexacosane (C26)	15.985	1187475	10.513 ug/ml
16) T n-Octacosane (C28)	16.937	1148200	10.556 ug/ml
17) T n-Tricontane (C30)	17.825	1169356	10.684 ug/ml
18) T n-Dotriacontane (C32)	18.659	1129813	10.721 ug/ml
19) T n-Tetratriacontane (C34)	19.444	1035291	10.674 ug/ml
20) T n-Hexatriacontane (C36)	20.186	908236	10.636 ug/ml
21) T n-Octatriacontane (C38)	20.951	799482	10.309 ug/ml
22) T n-Tetracontane (C40)	21.915	749275	10.229 ug/ml

(f)=RT Delta > 1/2 Window

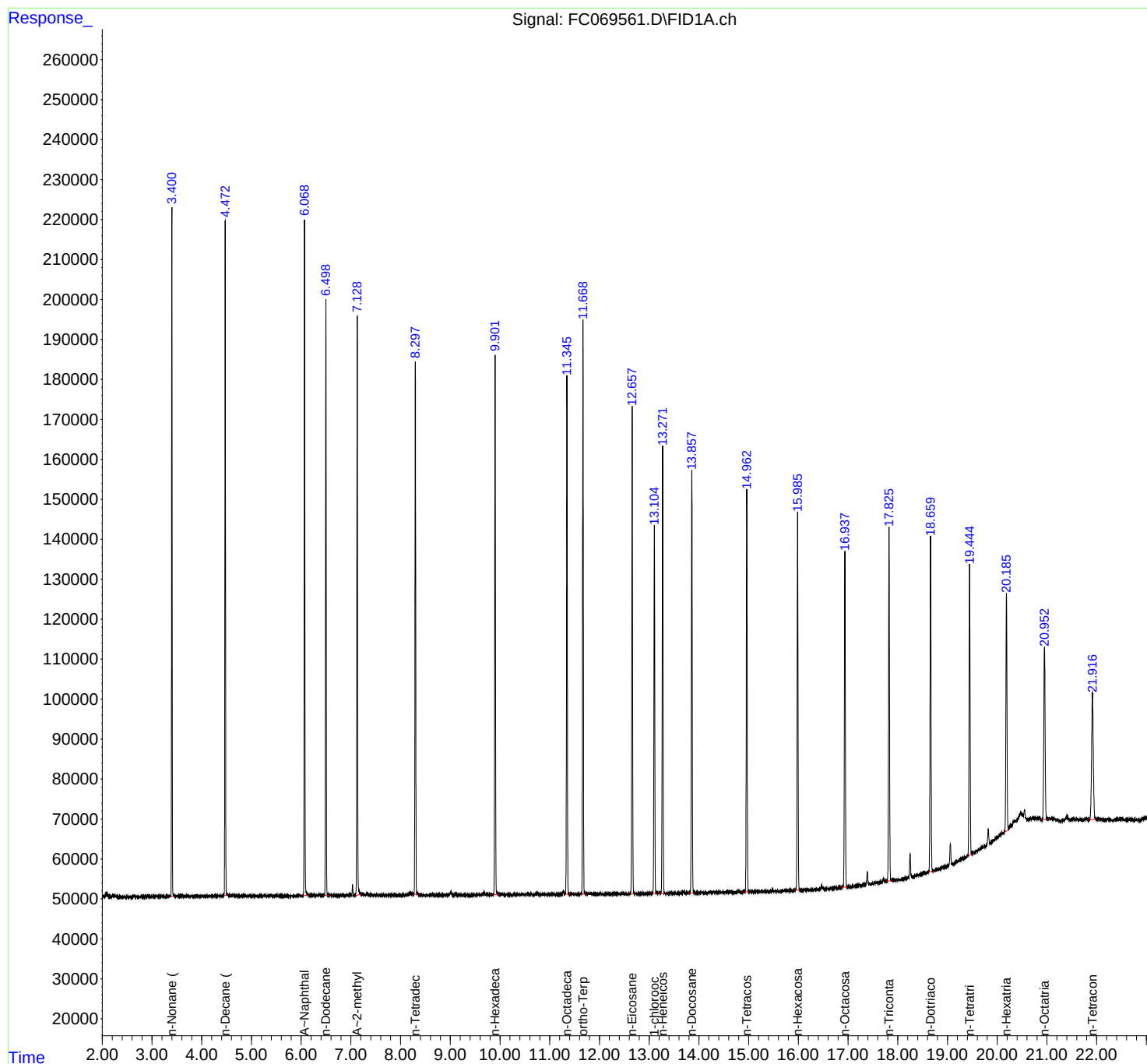
(m)=manual int.

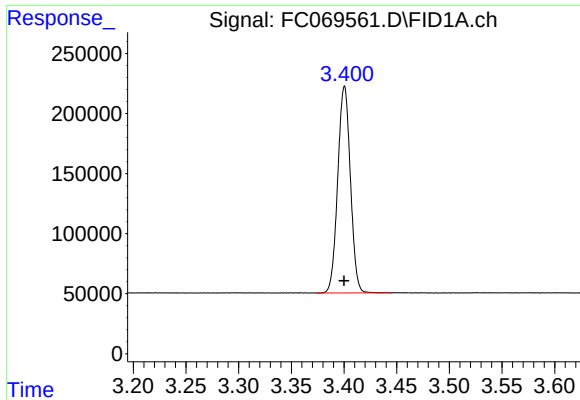
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069561.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:06
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:29:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

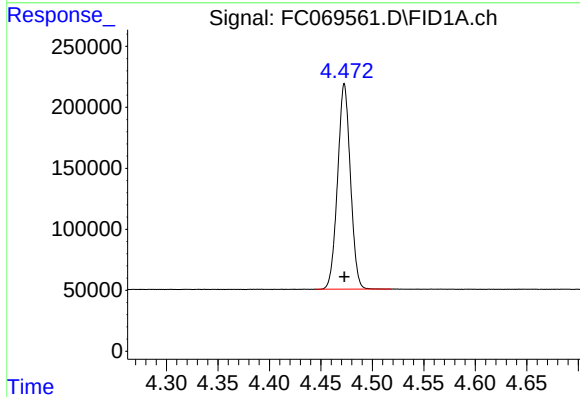




#1 n-Nonane (C9)

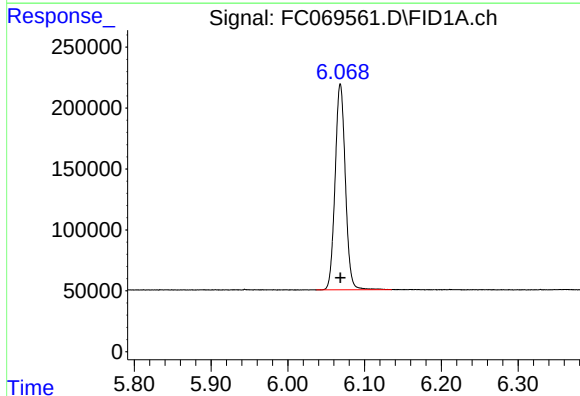
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 1439879
Conc: 10.33 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



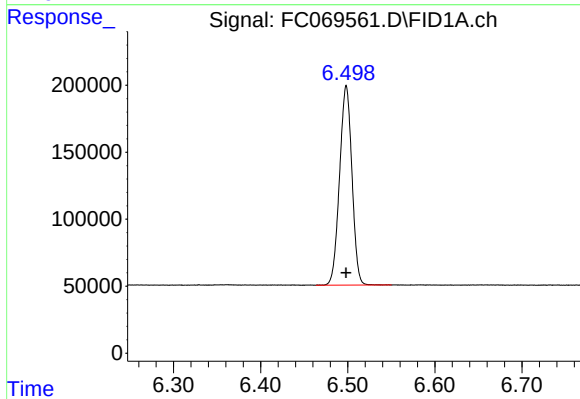
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 1462951
Conc: 10.27 ug/ml



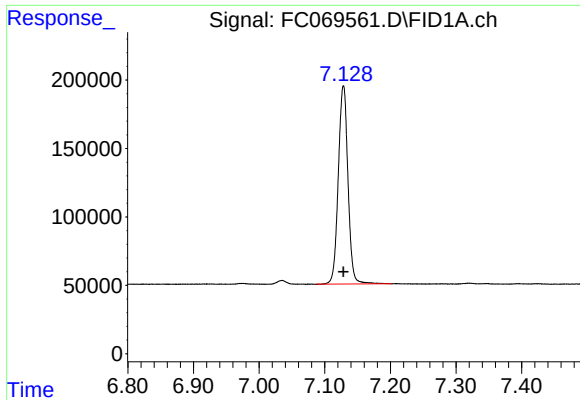
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 1569203
Conc: 10.30 ug/ml



#4 n-Dodecane (C12)

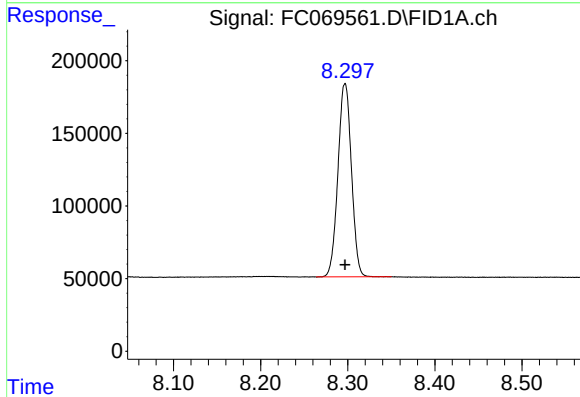
R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 1467891
Conc: 10.25 ug/ml



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

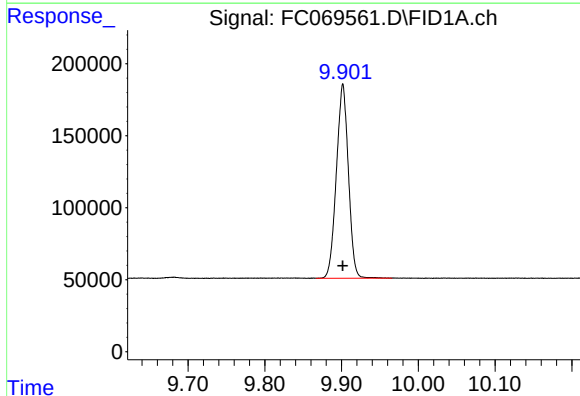
R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 1485813
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



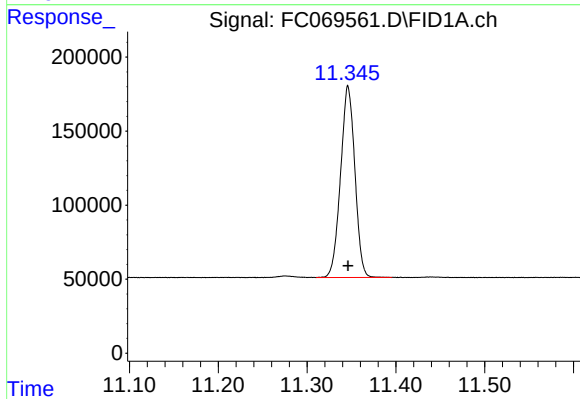
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 1433466
Conc: 10.23 ug/ml



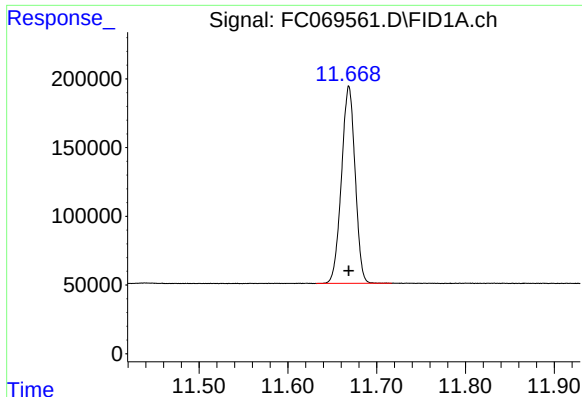
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 1464276
Conc: 10.36 ug/ml



#8 n-Octadecane (C18)

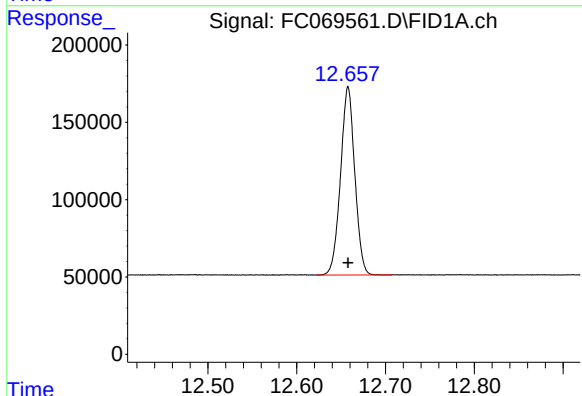
R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 1447437
Conc: 10.46 ug/ml



#9 ortho-Terphenyl (SURR)

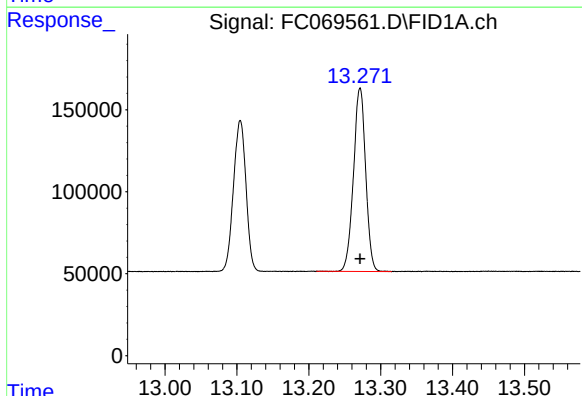
R.T.: 11.669 min
Delta R.T.: 0.000 min
Response: 1534923
Conc: 10.50 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



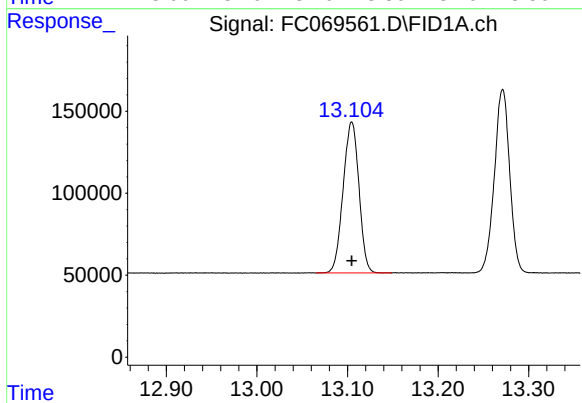
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.000 min
Response: 1356080
Conc: 10.53 ug/ml



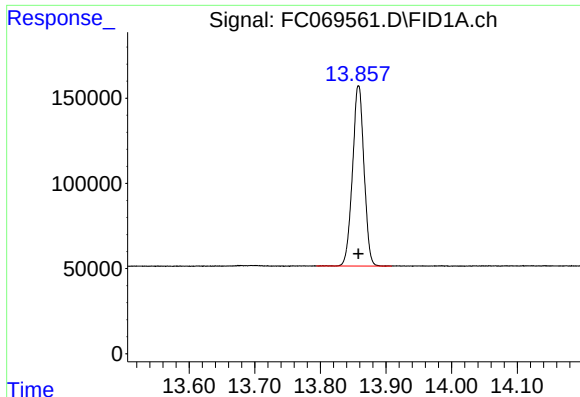
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.000 min
Response: 1316459
Conc: 10.55 ug/ml



#12 1-chlorooctadecane (SURR)

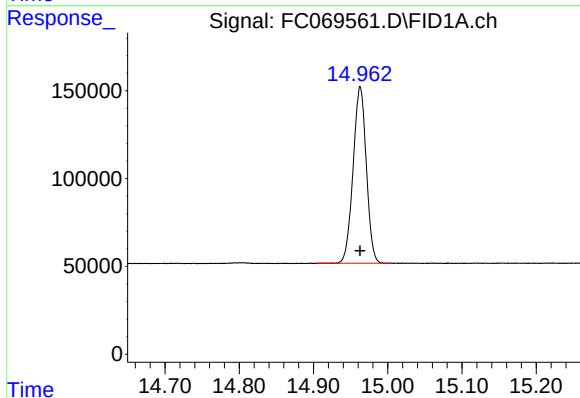
R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 1117333
Conc: 10.42 ug/ml



#13 n-Docosane (C22)

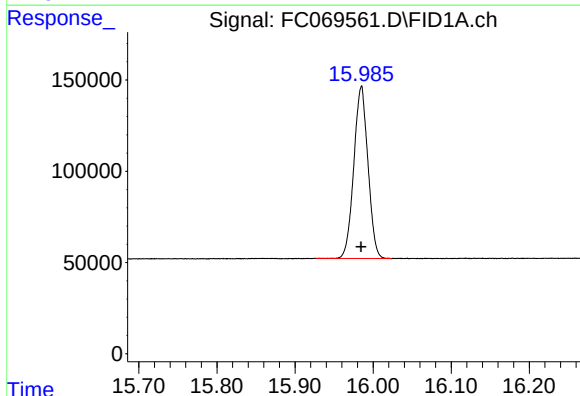
R.T.: 13.858 min
Delta R.T.: 0.000 min
Response: 1289069
Conc: 10.54 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



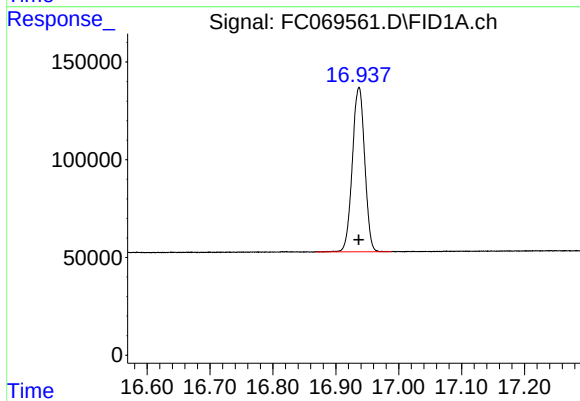
#14 n-Tetracosane (C24)

R.T.: 14.963 min
Delta R.T.: 0.000 min
Response: 1243261
Conc: 10.53 ug/ml



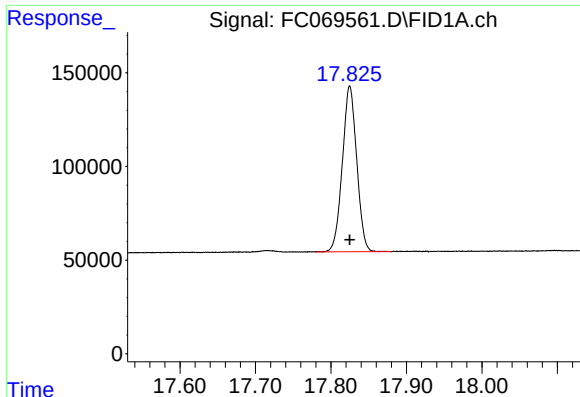
#15 n-Hexacosane (C26)

R.T.: 15.985 min
Delta R.T.: 0.000 min
Response: 1187475
Conc: 10.51 ug/ml



#16 n-Octacosane (C28)

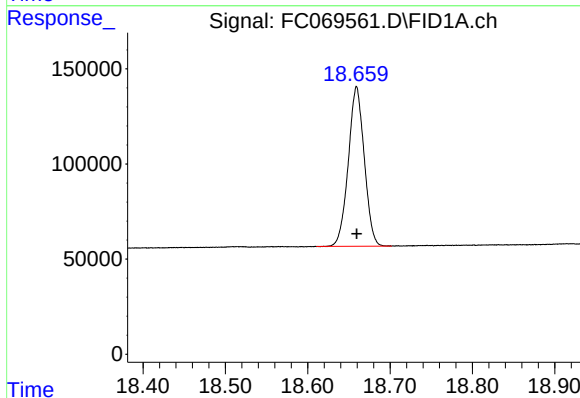
R.T.: 16.937 min
Delta R.T.: 0.000 min
Response: 1148200
Conc: 10.56 ug/ml



#17 n-Tricontane (C30)

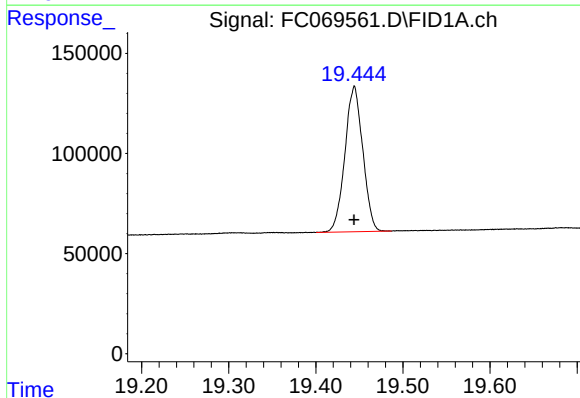
R.T.: 17.825 min
Delta R.T.: 0.000 min
Response: 1169356
Conc: 10.68 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



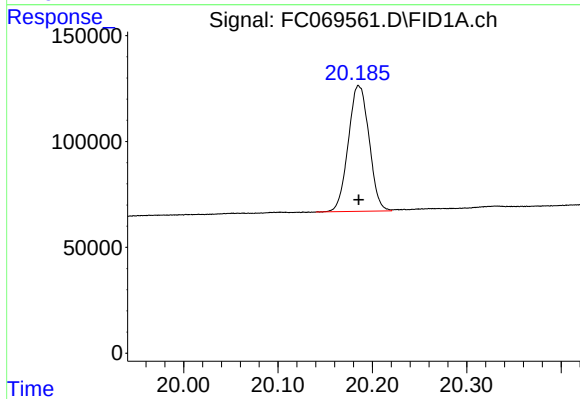
#18 n-Dotriacontane (C32)

R.T.: 18.659 min
Delta R.T.: 0.000 min
Response: 1129813
Conc: 10.72 ug/ml



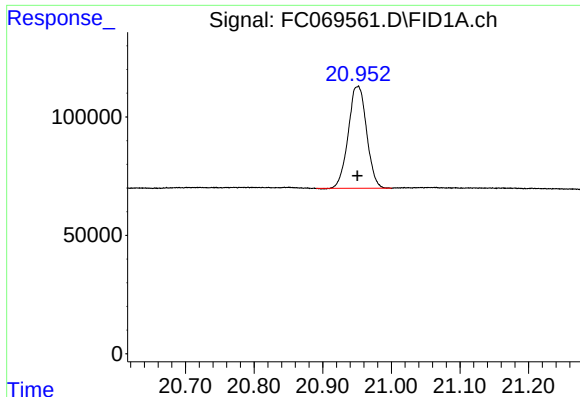
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: 0.000 min
Response: 1035291
Conc: 10.67 ug/ml



#20 n-Hexatriacontane (C36)

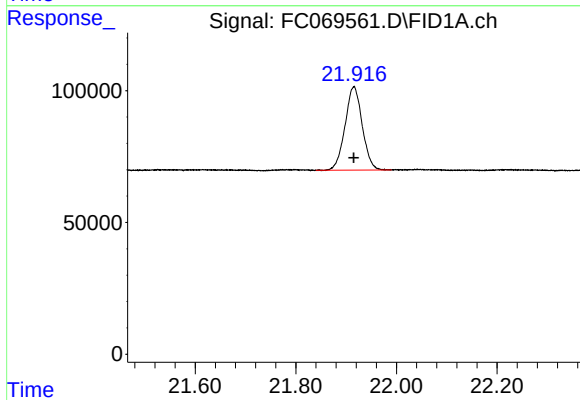
R.T.: 20.186 min
Delta R.T.: 0.000 min
Response: 908236
Conc: 10.64 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: 0.000 min
Response: 799482
Conc: 10.31 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: 0.000 min
Response: 749275
Conc: 10.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069561.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:06
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 080125.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	3.374	3.445	BB	172113	1439879	91.76%	5.188%
2	4.473	4.445	4.519	BB	167943	1462951	93.23%	5.271%
3	6.069	6.037	6.135	BB	168967	1569203	100.00%	5.654%
4	6.498	6.464	6.550	BB	149172	1467891	93.54%	5.289%
5	7.128	7.087	7.202	BB	145315	1485813	94.69%	5.353%
6	8.297	8.264	8.350	BB	133068	1433466	91.35%	5.165%
7	9.902	9.867	9.965	BB	135234	1464276	93.31%	5.276%
8	11.346	11.310	11.395	BB	128377	1447437	92.24%	5.215%
9	11.669	11.632	11.717	BB	143989	1534923	97.82%	5.530%
10	12.658	12.622	12.707	BB	121821	1356080	86.42%	4.886%
11	13.105	13.065	13.149	BB	92191	1117333	71.20%	4.026%
12	13.271	13.210	13.315	BB	112196	1316459	83.89%	4.743%
13	13.858	13.794	13.909	BB	105843	1289069	82.15%	4.644%
14	14.963	14.904	15.005	BB	100401	1243261	79.23%	4.479%
15	15.985	15.927	16.024	BB	94931	1187475	75.67%	4.278%
16	16.937	16.869	16.989	BB	84232	1148200	73.17%	4.137%
17	17.825	17.780	17.880	BB	88459	1169356	74.52%	4.213%
18	18.659	18.610	18.702	BB	84000	1129813	72.00%	4.071%
19	19.444	19.400	19.487	BB	72518	1035291	65.98%	3.730%
20	20.186	20.140	20.220	BV	59413	908236	57.88%	3.272%
21	20.951	20.890	21.000	BB	42908	799482	50.95%	2.880%
22	21.915	21.840	21.990	BB	31700	749275	47.75%	2.700%
Sum of corrected areas:						27755170		

Aliphatic EPH 080125.M Fri Aug 01 15:09:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
 Data File : FC069562.D
 Signal(s) : FID1A.ch
 Acq On : 01 Aug 2025 13:47
 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: Aug 01 14:13:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:13:39 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	806321	5.405 ug/ml
Spiked Amount 50.000		Recovery =	10.81%
12) S 1-chlorooctadecane (S...	13.104	581885	5.337 ug/ml
Spiked Amount 50.000		Recovery =	10.67%
Target Compounds			
1) T n-Nonane (C9)	3.401	775207	5.441 ug/ml
2) T n-Decane (C10)	4.473	785741	5.405 ug/ml
3) T A~Naphthalene (C11.7)	6.068	832580	5.366 ug/ml
4) T n-Dodecane (C12)	6.497	790720	5.409 ug/ml
5) T A~2-methylnaphthalene...	7.128	781407	5.306 ug/ml
6) T n-Tetradecane (C14)	8.297	766590	5.372 ug/ml
7) T n-Hexadecane (C16)	9.901	777062	5.390 ug/ml
8) T n-Octadecane (C18)	11.345	768778	5.436 ug/ml
10) T n-Eicosane (C20)	12.656	718355	5.453 ug/ml
11) T n-Heneicosane (C21)	13.270	693612	5.438 ug/ml
13) T n-Docosane (C22)	13.857	677921	5.427 ug/ml
14) T n-Tetracosane (C24)	14.962	656255	5.438 ug/ml
15) T n-Hexacosane (C26)	15.984	629658	5.449 ug/ml
16) T n-Octacosane (C28)	16.935	626748	5.592 ug/ml
17) T n-Tricontane (C30)	17.824	673441	5.882 ug/ml
18) T n-Dotriacontane (C32)	18.658	669294	6.025 ug/ml
19) T n-Tetratriacontane (C34)	19.443	605748	5.949 ug/ml
20) T n-Hexatriacontane (C36)	20.185	521228	5.846 ug/ml
21) T n-Octatriacontane (C38)	20.949	460015	5.719 ug/ml
22) T n-Tetracontane (C40)	21.915	406976	5.435 ug/ml

(f)=RT Delta > 1/2 Window

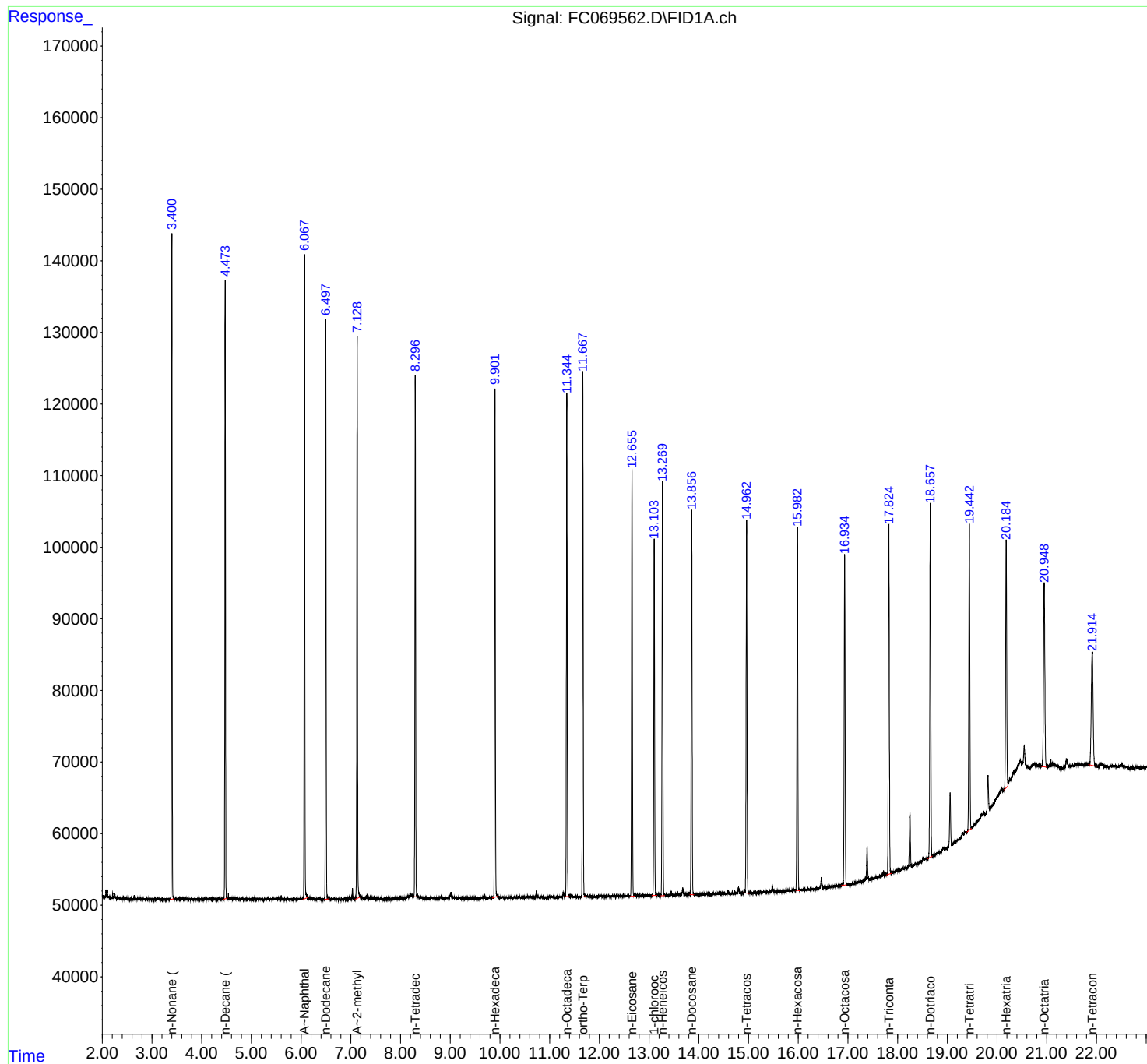
(m)=manual int.

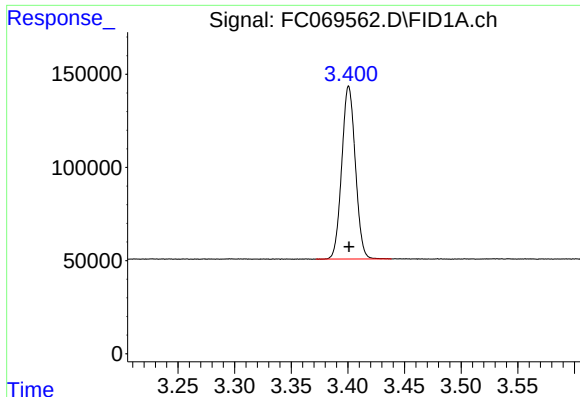
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069562.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:47
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 14:13:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:13:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

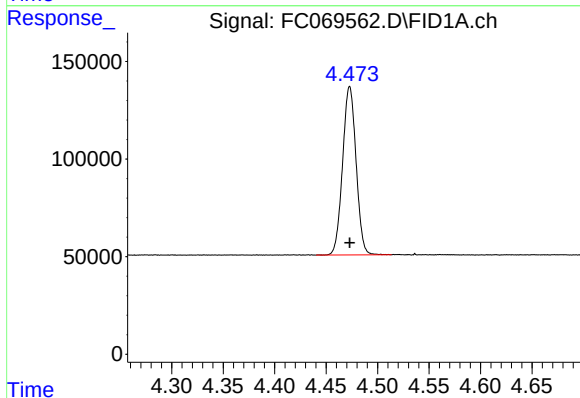




#1 n-Nonane (C9)

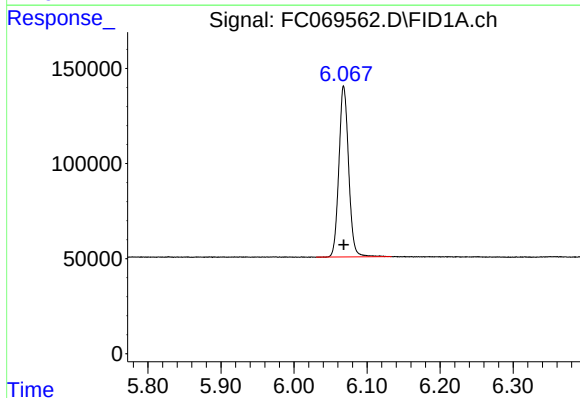
R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 775207
Conc: 5.44 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



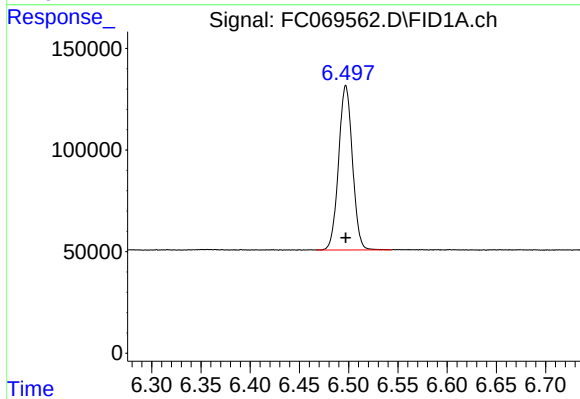
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 785741
Conc: 5.40 ug/ml



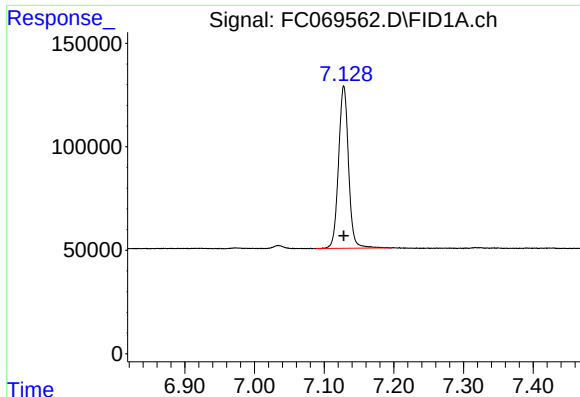
#3 A~Naphthalene (C11.7)

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 832580
Conc: 5.37 ug/ml



#4 n-Dodecane (C12)

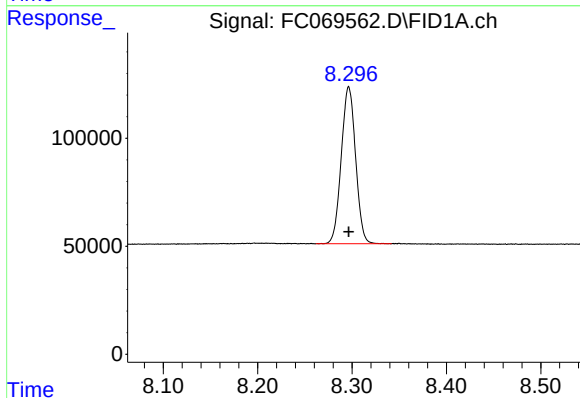
R.T.: 6.497 min
Delta R.T.: 0.000 min
Response: 790720
Conc: 5.41 ug/ml



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

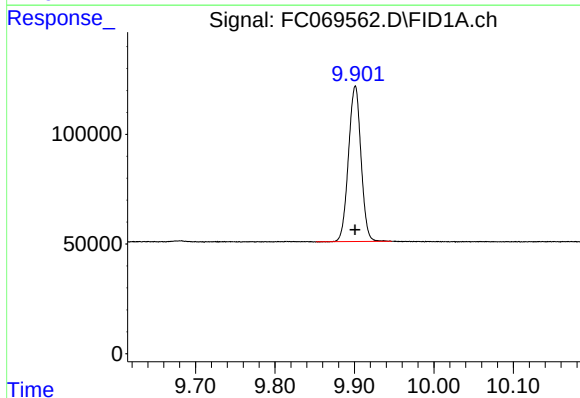
R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 781407
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



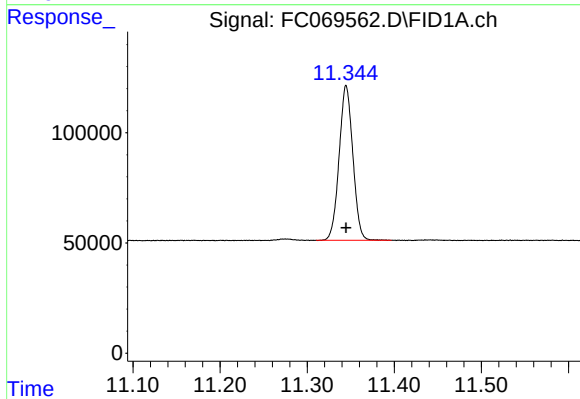
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 766590
Conc: 5.37 ug/ml



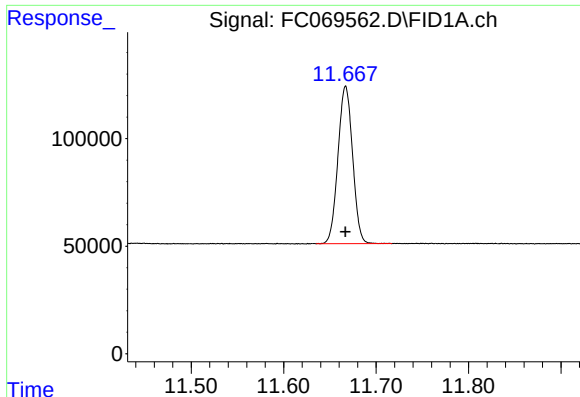
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: 0.000 min
Response: 777062
Conc: 5.39 ug/ml



#8 n-Octadecane (C18)

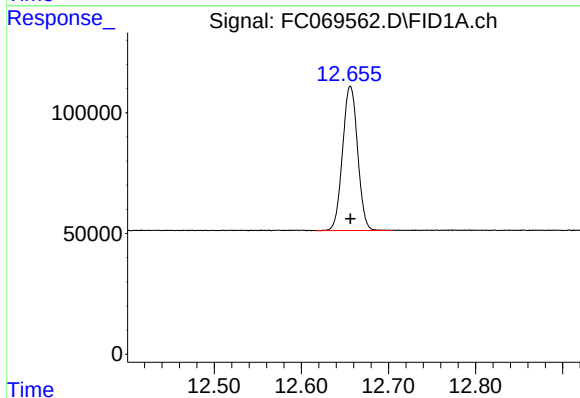
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 768778
Conc: 5.44 ug/ml



#9 ortho-Terphenyl (SURR)

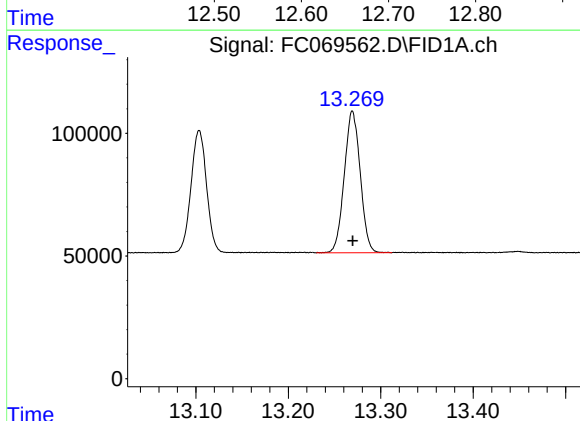
R.T.: 11.667 min
Delta R.T.: 0.000 min
Response: 806321
Conc: 5.40 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



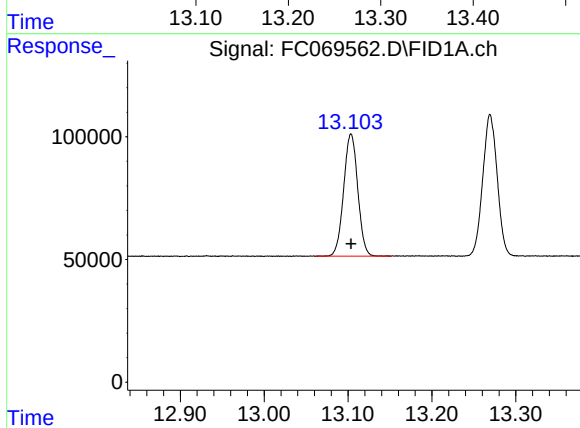
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.000 min
Response: 718355
Conc: 5.45 ug/ml



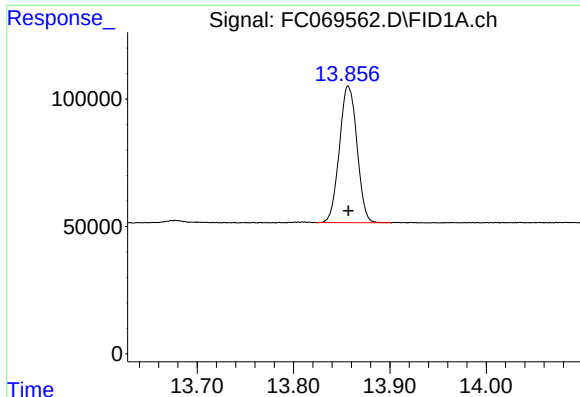
#11 n-Heneicosane (C21)

R.T.: 13.270 min
Delta R.T.: 0.000 min
Response: 693612
Conc: 5.44 ug/ml



#12 1-chlorooctadecane (SURR)

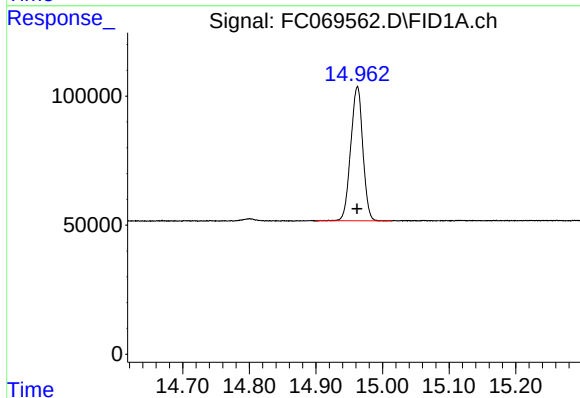
R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 581885
Conc: 5.34 ug/ml



#13 n-Docosane (C22)

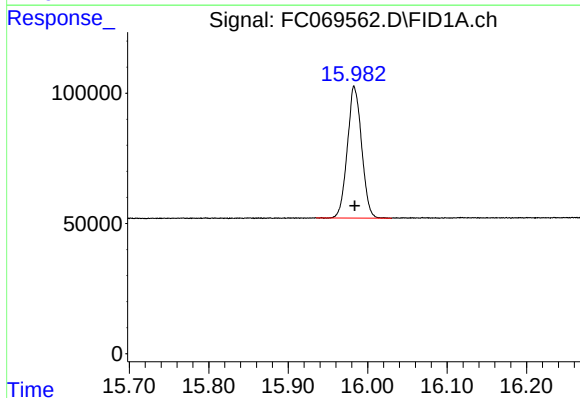
R.T.: 13.857 min
Delta R.T.: 0.000 min
Response: 677921
Conc: 5.43 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



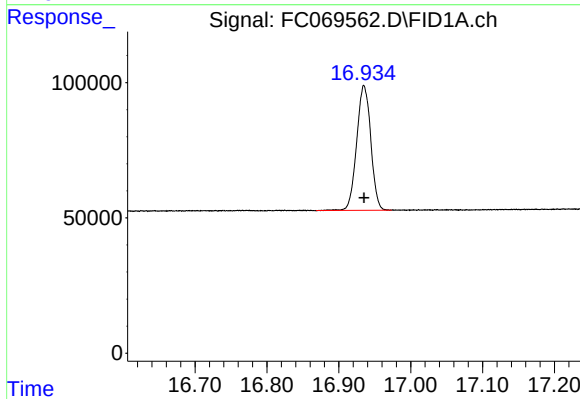
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: 0.000 min
Response: 656255
Conc: 5.44 ug/ml



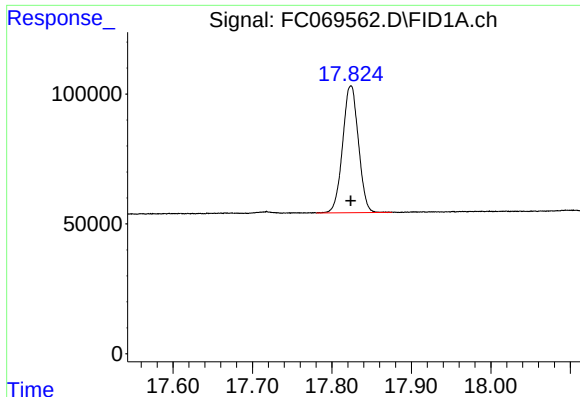
#15 n-Hexacosane (C26)

R.T.: 15.984 min
Delta R.T.: 0.000 min
Response: 629658
Conc: 5.45 ug/ml



#16 n-Octacosane (C28)

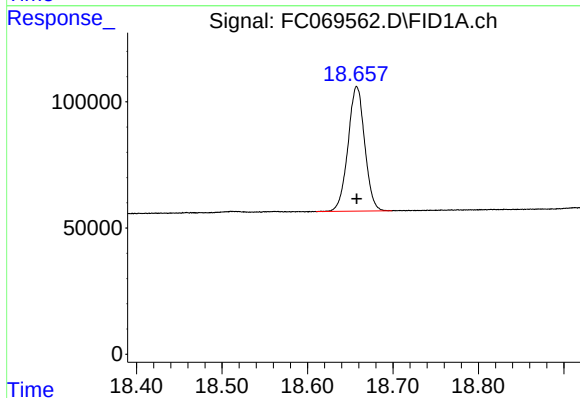
R.T.: 16.935 min
Delta R.T.: 0.000 min
Response: 626748
Conc: 5.59 ug/ml



#17 n-Tricontane (C30)

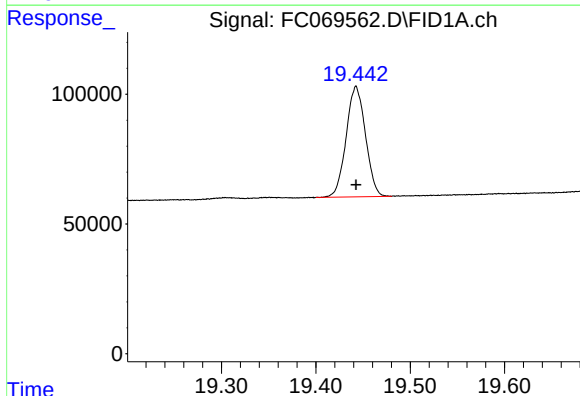
R.T.: 17.824 min
Delta R.T.: 0.000 min
Response: 673441
Conc: 5.88 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



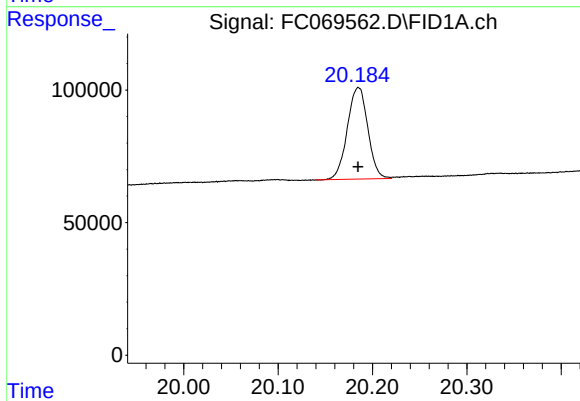
#18 n-Dotriacontane (C32)

R.T.: 18.658 min
Delta R.T.: 0.000 min
Response: 669294
Conc: 6.03 ug/ml



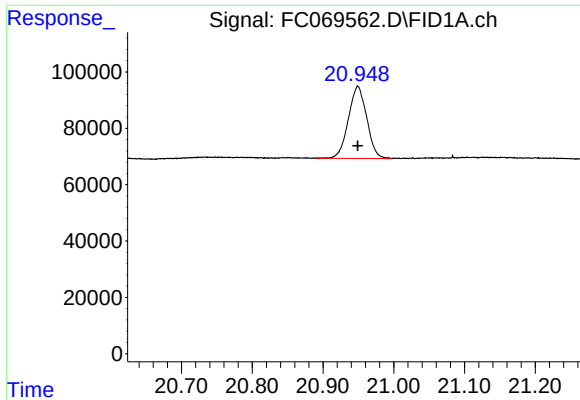
#19 n-Tetratriacontane (C34)

R.T.: 19.443 min
Delta R.T.: 0.000 min
Response: 605748
Conc: 5.95 ug/ml



#20 n-Hexatriacontane (C36)

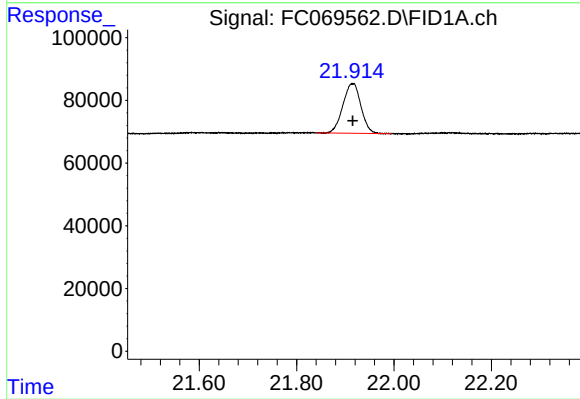
R.T.: 20.185 min
Delta R.T.: 0.000 min
Response: 521228
Conc: 5.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.949 min
Delta R.T.: 0.000 min
Response: 460015
Conc: 5.72 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: 0.000 min
Response: 406976
Conc: 5.43 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069562.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:47
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 080125.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	3.401	3.372	3.439	BB	92846	775207	93.11%	5.166%
2	4.473	4.440	4.514	BB	86387	785741	94.37%	5.236%
3	6.068	6.030	6.134	BB	89375	832580	100.00%	5.548%
4	6.497	6.467	6.544	BB	81025	790720	94.97%	5.270%
5	7.128	7.089	7.197	BB	78607	781407	93.85%	5.207%
6	8.297	8.262	8.342	BB	72705	766590	92.07%	5.109%
7	9.901	9.852	9.947	BB	70840	777062	93.33%	5.178%
8	11.345	11.310	11.397	BB	70089	768778	92.34%	5.123%
9	11.667	11.635	11.717	BB	73361	806321	96.85%	5.373%
10	12.656	12.617	12.704	BB	59753	718355	86.28%	4.787%
11	13.104	13.062	13.152	BB	49853	581885	69.89%	3.878%
12	13.270	13.230	13.312	BB	57609	693612	83.31%	4.622%
13	13.857	13.824	13.902	BB	53524	677921	81.42%	4.518%
14	14.962	14.900	15.014	BB	51940	656255	78.82%	4.373%
15	15.984	15.935	16.030	BB	50097	629658	75.63%	4.196%
16	16.935	16.869	16.974	BB	46038	626748	75.28%	4.177%
17	17.824	17.780	17.875	BB	48811	673441	80.89%	4.488%
18	18.658	18.610	18.699	BB	49432	669294	80.39%	4.460%
19	19.443	19.400	19.480	BB	42595	605748	72.76%	4.037%
20	20.185	20.140	20.220	BV	34631	521228	62.60%	3.474%
21	20.949	20.890	20.997	BB	25663	460015	55.25%	3.066%
22	21.915	21.840	21.995	BB	15790	406976	48.88%	2.712%
Sum of corrected areas:						15005541		

Aliphatic EPH 080125.M Fri Aug 01 15:10:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
 Data File : FC069563.D
 Signal(s) : FID1A.ch
 Acq On : 01 Aug 2025 14:28
 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: Aug 01 15:10:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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	3105191	20.814 ug/ml
Spiked Amount 50.000		Recovery =	41.63%
12) S 1-chlorooctadecane (S...	13.104	2286929	20.976 ug/ml
Spiked Amount 50.000		Recovery =	41.95%
Target Compounds			
1) T n-Nonane (C9)	3.400	2855286	20.041 ug/ml
2) T n-Decane (C10)	4.473	2929618	20.151 ug/ml
3) T A~Naphthalene (C11.7)	6.069	3158669	20.357 ug/ml
4) T n-Dodecane (C12)	6.498	2937597	20.095 ug/ml
5) T A~2-methylnaphthalene...	7.129	3013832	20.464 ug/ml
6) T n-Tetradecane (C14)	8.298	2888977	20.244 ug/ml
7) T n-Hexadecane (C16)	9.902	2948651	20.454 ug/ml
8) T n-Octadecane (C18)	11.346	2922239	20.665 ug/ml
10) T n-Eicosane (C20)	12.658	2742899	20.822 ug/ml
11) T n-Heneicosane (C21)	13.271	2664174	20.888 ug/ml
13) T n-Docosane (C22)	13.858	2615907	20.941 ug/ml
14) T n-Tetracosane (C24)	14.963	2528973	20.957 ug/ml
15) T n-Hexacosane (C26)	15.987	2413151	20.884 ug/ml
16) T n-Octacosane (C28)	16.937	2329648	20.784 ug/ml
17) T n-Tricontane (C30)	17.826	2357945	20.594 ug/ml
18) T n-Dotriacontane (C32)	18.659	2285649	20.576 ug/ml
19) T n-Tetratriacontane (C34)	19.445	2091381	20.539 ug/ml
20) T n-Hexatriacontane (C36)	20.186	1824700	20.464 ug/ml
21) T n-Octatriacontane (C38)	20.951	1652539	20.543 ug/ml
22) T n-Tetracontane (C40)	21.914	1550924	20.712 ug/ml

(f)=RT Delta > 1/2 Window

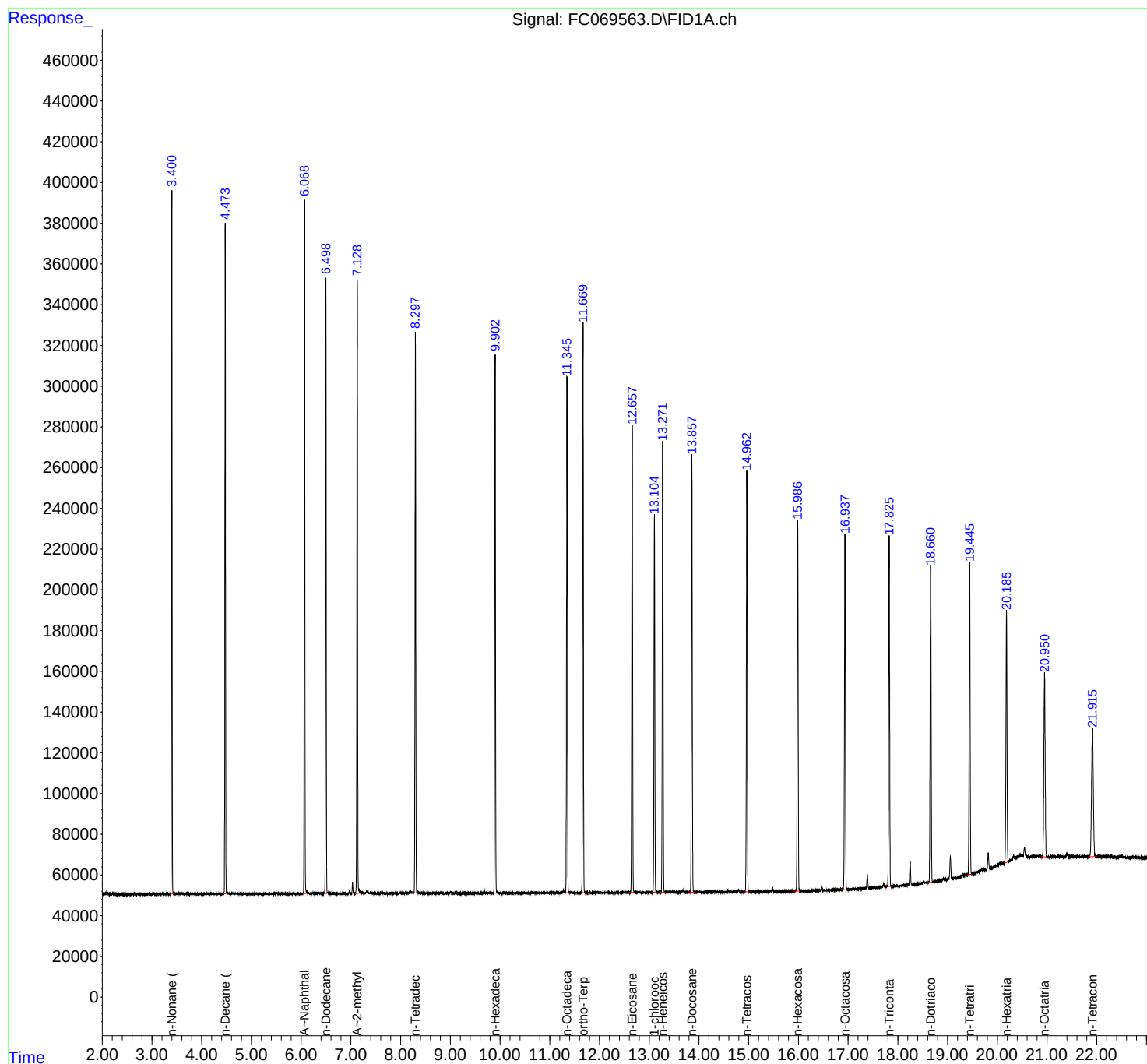
(m)=manual int.

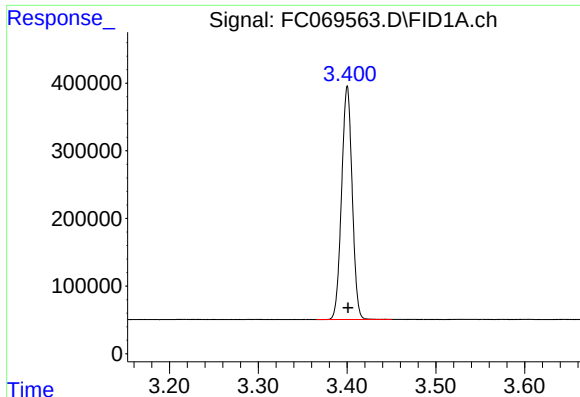
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069563.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 14:28
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 15:10:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

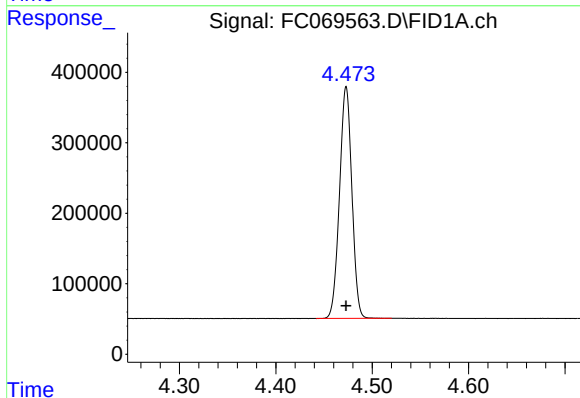




#1 n-Nonane (C9)

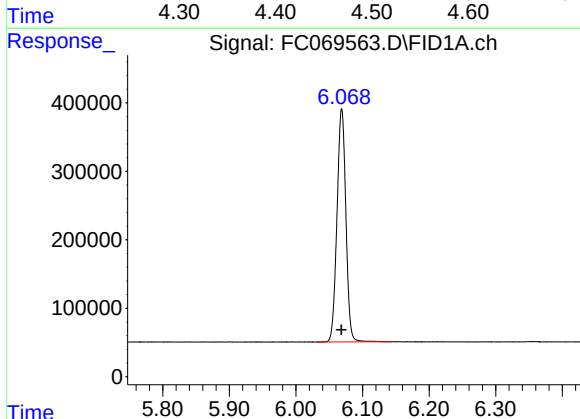
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 2855286
Conc: 20.04 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



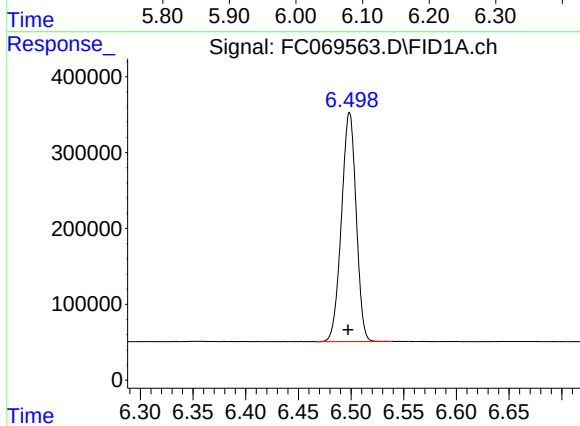
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 2929618
Conc: 20.15 ug/ml



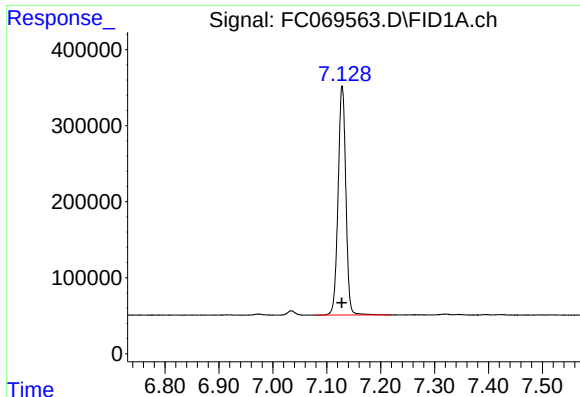
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 3158669
Conc: 20.36 ug/ml



#4 n-Dodecane (C12)

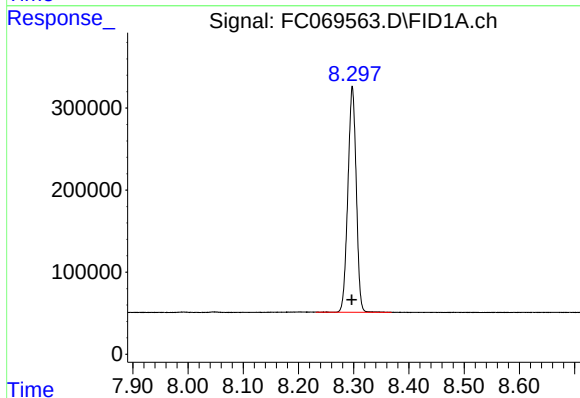
R.T.: 6.498 min
Delta R.T.: 0.001 min
Response: 2937597
Conc: 20.10 ug/ml



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

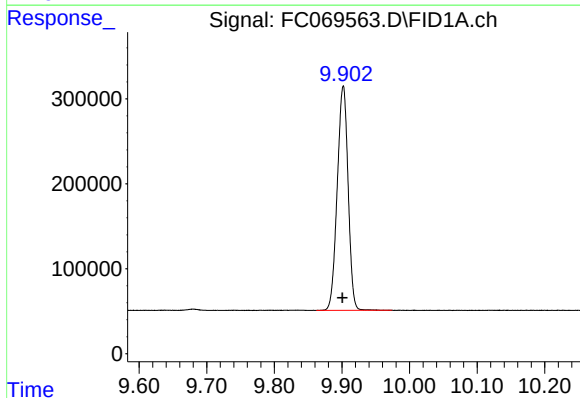
R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 3013832
Conc: 20.46 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



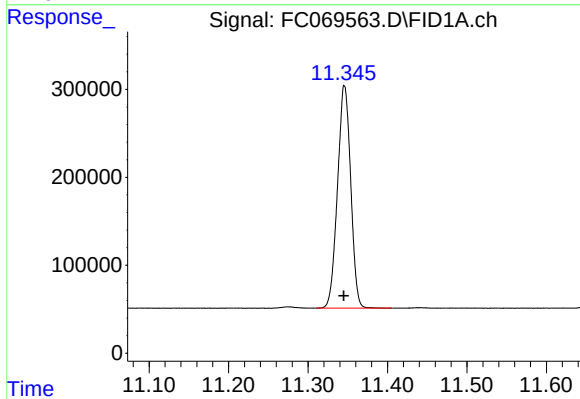
#6 n-Tetradecane (C14)

R.T.: 8.298 min
Delta R.T.: 0.001 min
Response: 2888977
Conc: 20.24 ug/ml



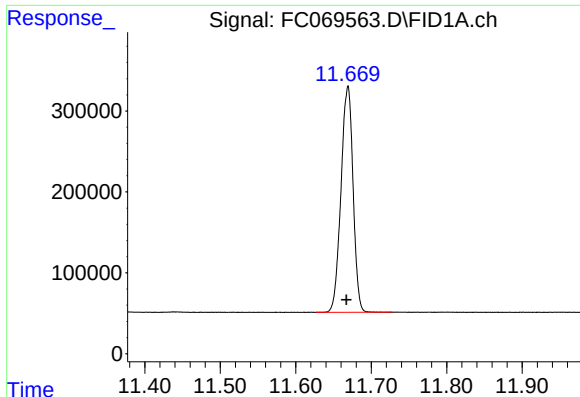
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 2948651
Conc: 20.45 ug/ml



#8 n-Octadecane (C18)

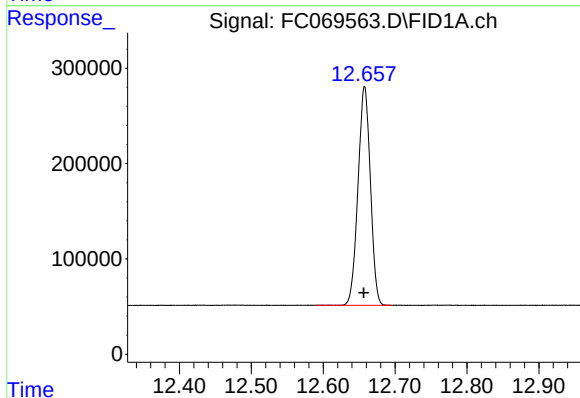
R.T.: 11.346 min
Delta R.T.: 0.001 min
Response: 2922239
Conc: 20.66 ug/ml



#9 ortho-Terphenyl (SURR)

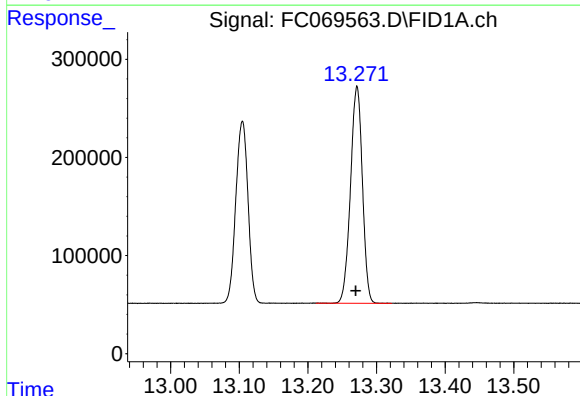
R.T.: 11.669 min
Delta R.T.: 0.002 min
Response: 3105191
Conc: 20.81 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



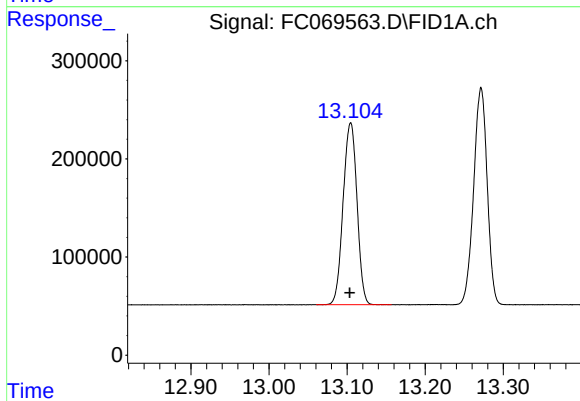
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.001 min
Response: 2742899
Conc: 20.82 ug/ml



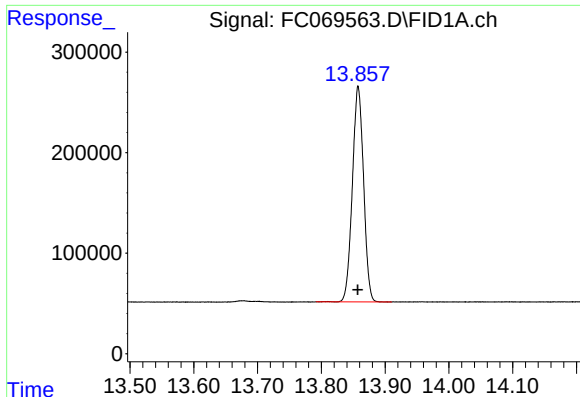
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.002 min
Response: 2664174
Conc: 20.89 ug/ml



#12 1-chlorooctadecane (SURR)

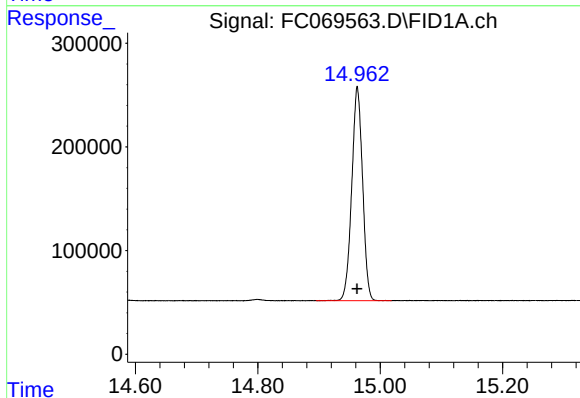
R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 2286929
Conc: 20.98 ug/ml



#13 n-Docosane (C22)

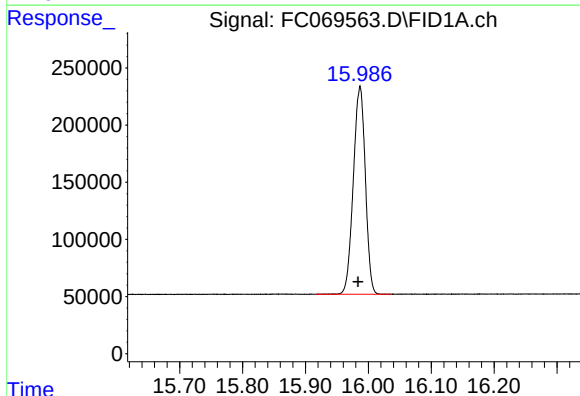
R.T.: 13.858 min
Delta R.T.: 0.000 min
Response: 2615907
Conc: 20.94 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



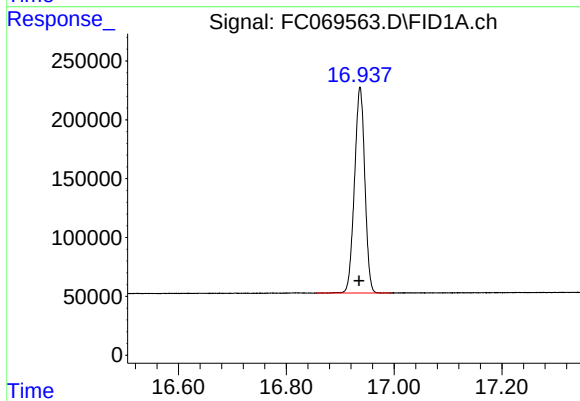
#14 n-Tetracosane (C24)

R.T.: 14.963 min
Delta R.T.: 0.000 min
Response: 2528973
Conc: 20.96 ug/ml



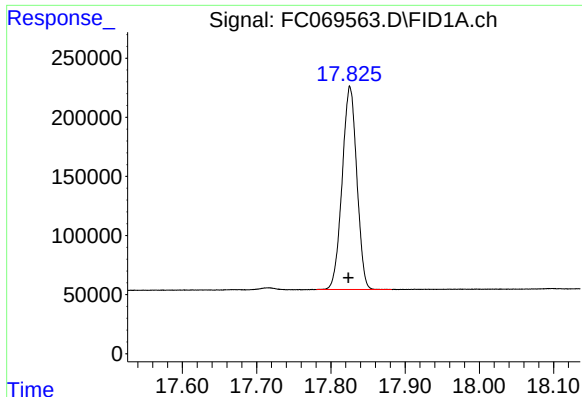
#15 n-Hexacosane (C26)

R.T.: 15.987 min
Delta R.T.: 0.003 min
Response: 2413151
Conc: 20.88 ug/ml



#16 n-Octacosane (C28)

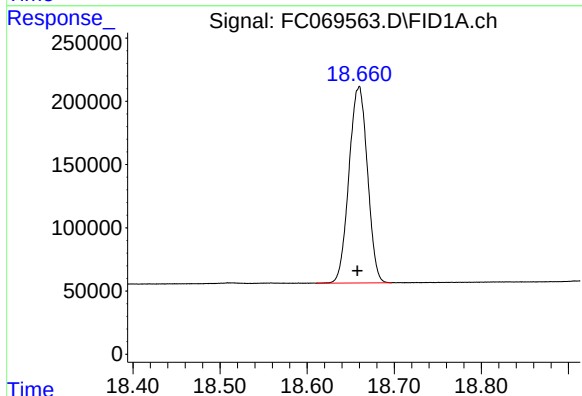
R.T.: 16.937 min
Delta R.T.: 0.002 min
Response: 2329648
Conc: 20.78 ug/ml



#17 n-Tricontane (C30)

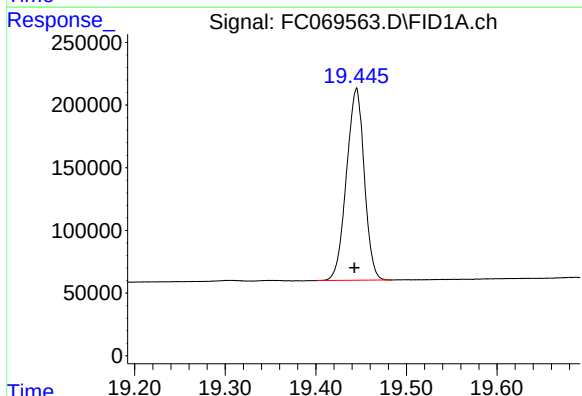
R.T.: 17.826 min
Delta R.T.: 0.002 min
Response: 2357945
Conc: 20.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



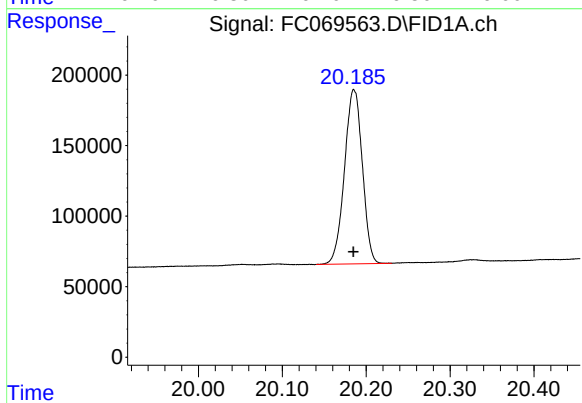
#18 n-Dotriacontane (C32)

R.T.: 18.659 min
Delta R.T.: 0.002 min
Response: 2285649
Conc: 20.58 ug/ml



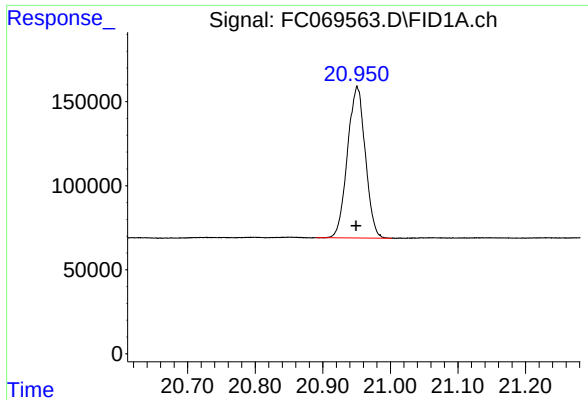
#19 n-Tetratriacontane (C34)

R.T.: 19.445 min
Delta R.T.: 0.002 min
Response: 2091381
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

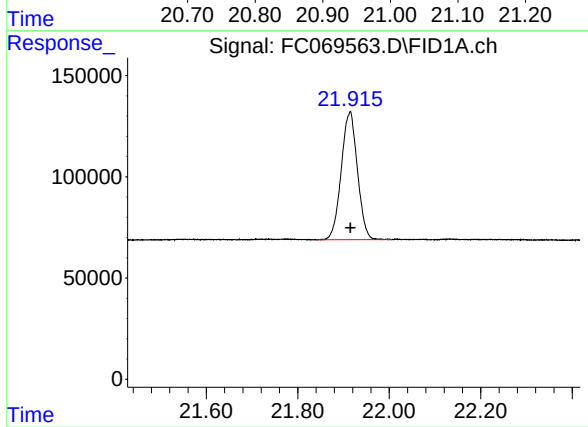
R.T.: 20.186 min
Delta R.T.: 0.000 min
Response: 1824700
Conc: 20.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: 0.002 min
Response: 1652539
Conc: 20.54 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.914 min
Delta R.T.: -0.001 min
Response: 1550924
Conc: 20.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069563.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 14:28
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.365	3.450	BB	345533	2855286	90.40%	5.089%
2	4.473	4.442	4.520	BB	329590	2929618	92.75%	5.222%
3	6.069	6.030	6.144	BB	341017	3158669	100.00%	5.630%
4	6.498	6.467	6.539	BB	302521	2937597	93.00%	5.236%
5	7.129	7.080	7.220	BB	301277	3013832	95.41%	5.372%
6	8.298	8.232	8.369	BB	275150	2888977	91.46%	5.149%
7	9.902	9.862	9.974	BB	264575	2948651	93.35%	5.256%
8	11.346	11.310	11.405	BB	253768	2922239	92.51%	5.209%
9	11.669	11.627	11.727	BB	278698	3105191	98.31%	5.535%
10	12.658	12.590	12.695	BB	229882	2742899	86.84%	4.889%
11	13.104	13.060	13.157	BB	186071	2286929	72.40%	4.076%
12	13.271	13.212	13.322	BB	221820	2664174	84.34%	4.749%
13	13.858	13.792	13.910	BB	213600	2615907	82.82%	4.663%
14	14.963	14.895	15.019	BB	204760	2528973	80.06%	4.508%
15	15.987	15.917	16.037	BB	182485	2413151	76.40%	4.301%
16	16.937	16.855	16.995	BB	174956	2329648	73.75%	4.152%
17	17.826	17.780	17.882	BB	172096	2357945	74.65%	4.203%
18	18.659	18.610	18.697	BB	154350	2285649	72.36%	4.074%
19	19.445	19.400	19.484	BB	153912	2091381	66.21%	3.728%
20	20.186	20.140	20.230	BV	123578	1824700	57.77%	3.252%
21	20.951	20.890	21.002	BB	90222	1652539	52.32%	2.945%
22	21.914	21.840	22.005	BB	63034	1550924	49.10%	2.764%
Sum of corrected areas:						56104876		

Aliphatic EPH 080125.M Fri Aug 01 15:12:08 2025

Initial Calibration Report for SequenceID : FD081125AR

AreaCount

Parameter Range	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.D	
Aromatic C10-C12	21248208.000	10706275.000	4323481.000	2259486.000	1053332.000	
Aromatic C12-C16	36818737.000	18573883.000	7415425.000	3854530.000	1789065.000	
Aromatic C16-C21	50607212.000	25605422.000	10134035.000	5257097.000	2395676.000	
Aromatic C21-C36	99935947.000	50494933.000	20336032.000	10453913.000	4981852.000	
Aromatic EPH	208610104.000	105380513.000	42208973.000	21825026.000	10219925.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	107939.663	2.772				
Aromatic C12-C16	123580.1519996	2.666				
Aromatic C16-C21	126486.3605	3.348				
Aromatic C21-C36	112618.2539996	1.932				
Aromatic EPH	117007.1949996	2.388				

Concentration

Parameter Range	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.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	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.D	
Aromatic C10-C12	106241.040000	107062.750000	108087.025000	112974.300000	105333.200000	
Aromatic C12-C16	122729.123333	123825.886666	123590.416666	128484.333333	119271.000000	
Aromatic C16-C21	126518.030000	128027.110000	126675.437500	131427.425000	119783.800000	
Aromatic C21-C36	111039.941111	112210.962222	112977.955555	116154.588888	110707.822222	
Aromatic EPH	115894.502222	117089.458888	117247.147222	121250.144444	113554.722222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049605.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 10:39
 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: Aug 11 12:30:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 12:28:11 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...	7.718	10200327	99.624 ug/ml
Spiked Amount 50.000		Recovery =	199.25%
6) S 2-Fluorobiphenyl (SURR)	8.585	7342726	100.298 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	200.60%#
11) S ortho-Terphenyl (SURR)	11.633	12735425	99.064 ug/ml
Spiked Amount 50.000		Recovery =	198.13%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	9872310	98.594 ug/ml
2) T Naphthalene (C11.7)	6.053	11375898	99.617 ug/ml
3) T 2-Methylnaphthalene (...)	7.110	11900671	99.814 ug/ml
5) T Acenaphthylene (C15.06)	8.390	12459323	99.536 ug/ml
7) T Acenaphthene (C15.5)	8.688	12458743	99.608 ug/ml
8) T Flouorene (C16.55)	9.470	12598476	99.741 ug/ml
9) T Phenanthrene (C19.36)	10.869	12906091	100.034 ug/ml
10) T Anthracene (C19.43)	10.946	12367340	100.028 ug/ml
12) T Fluoranthene (C21.85)	12.686	12816378	99.939 ug/ml
13) T Pyrene (C20.8)	12.985	12735305	99.947 ug/ml
14) T Benzo[a]anthracene (C...	14.856	11649435	100.300 ug/ml
15) T Chrysene (C27.41)	14.904	11783614	100.111 ug/ml
16) T benzo[b]fluoranthene ...	16.408	11290529	99.519 ug/ml
17) T Bnezo[k]fluoranthene ...	16.448	10514497	99.479 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.792	10929465	99.023 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.157	10293944	99.925 ug/ml
20) T Dibenz[a,h]anthracene...	18.198	10048965	96.503 ug/ml
21) T Benzo[g,h,i]perylene ...	18.419	10609120	98.208 ug/ml

(f)=RT Delta > 1/2 Window

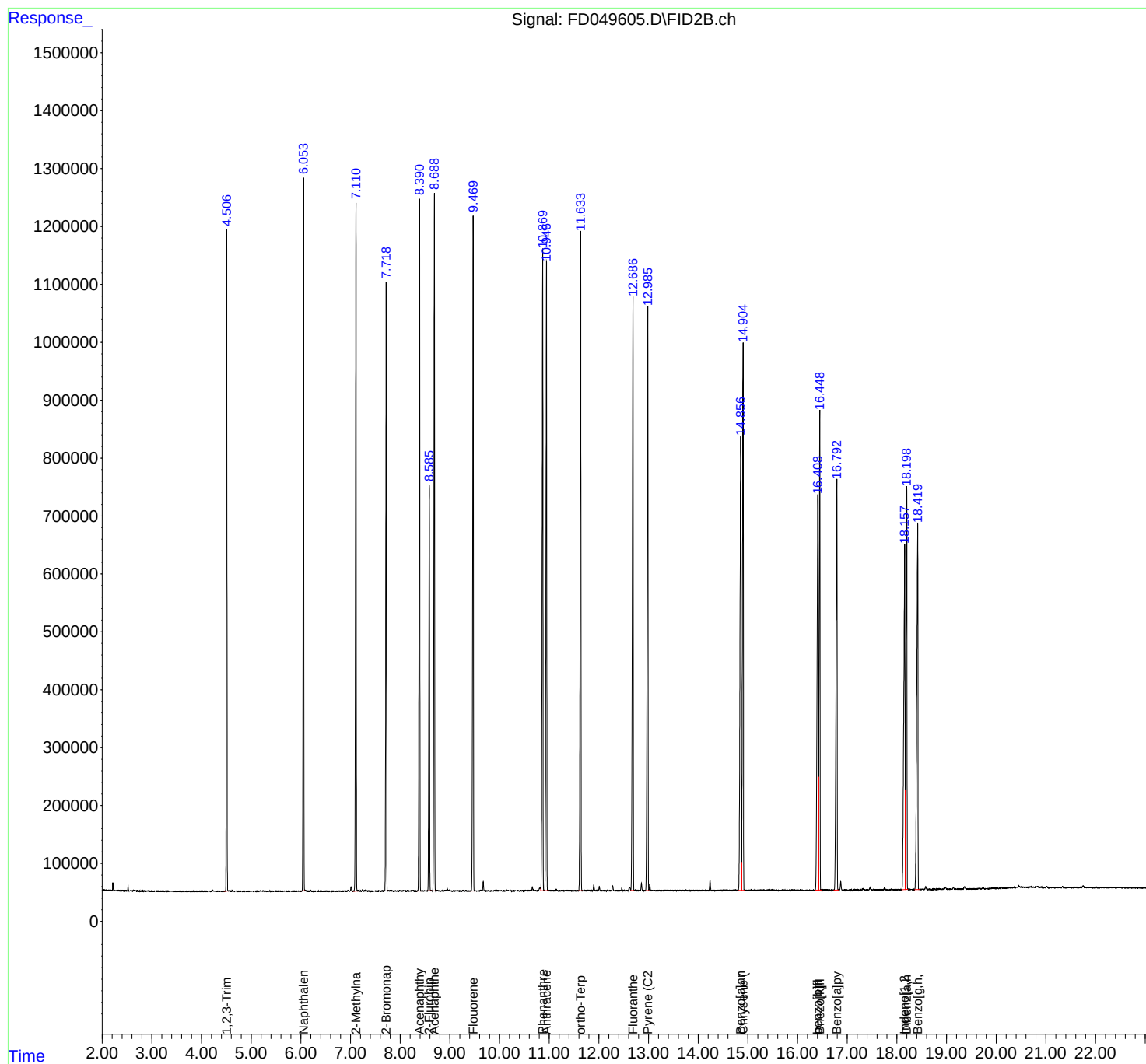
(m)=manual int.

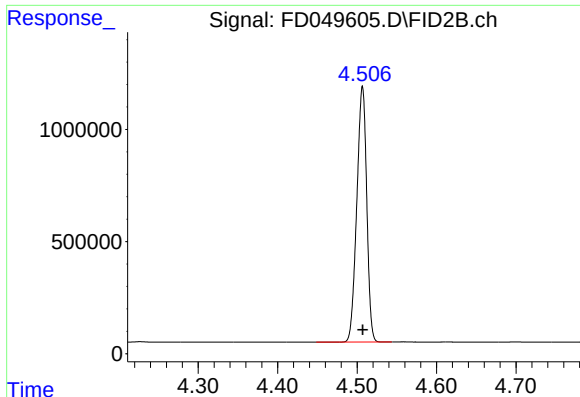
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049605.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 10:39
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 11 12:30:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 12:28:11 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)

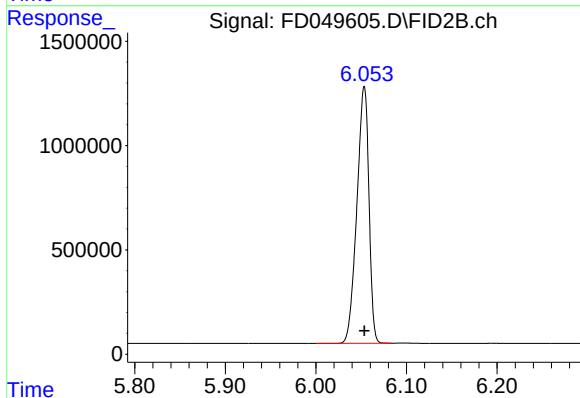
R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 9872310
Conc: 98.59 ug/ml

Instrument :

FID_D

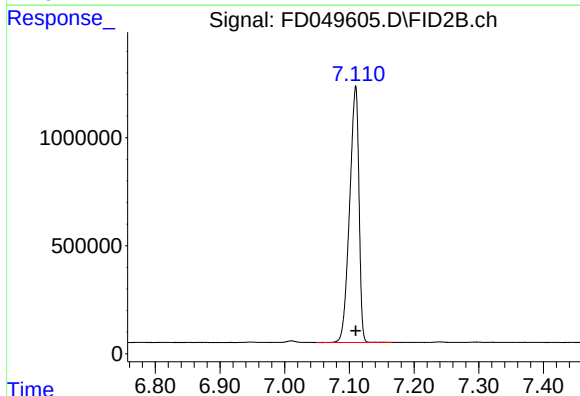
ClientSampleId :

100 PPM AROMATIC HC STD1



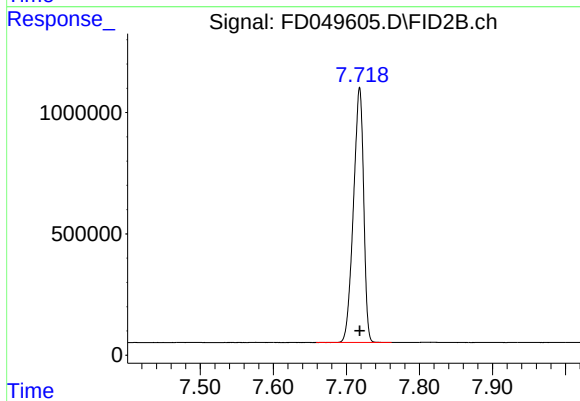
#2 Naphthalene (C11.7)

R.T.: 6.053 min
Delta R.T.: 0.000 min
Response: 11375898
Conc: 99.62 ug/ml



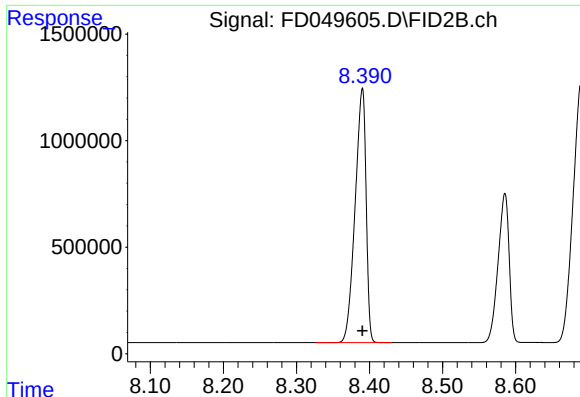
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 11900671
Conc: 99.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 10200327
Conc: 99.62 ug/ml



#5 Acenaphthylene (C15.06)

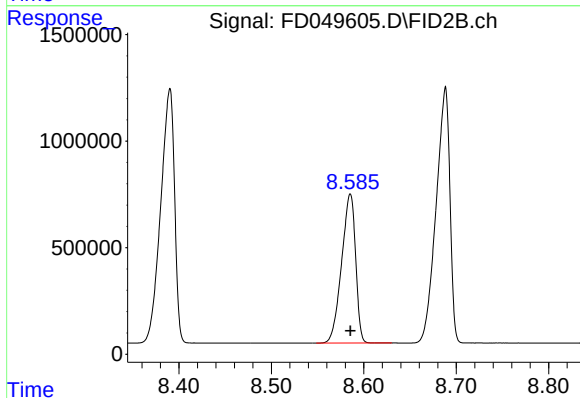
R.T.: 8.390 min
Delta R.T.: 0.000 min
Response: 12459323
Conc: 99.54 ug/ml

Instrument :

FID_D

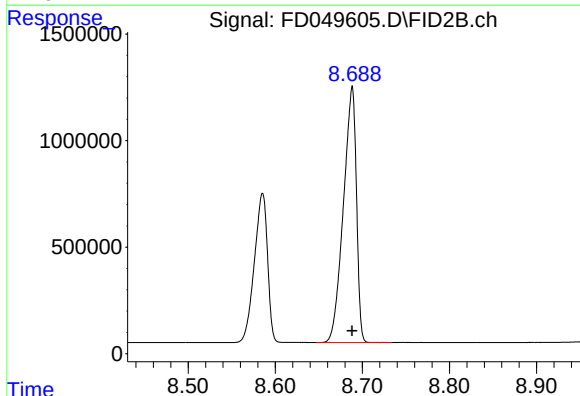
ClientSampleId :

100 PPM AROMATIC HC STD1



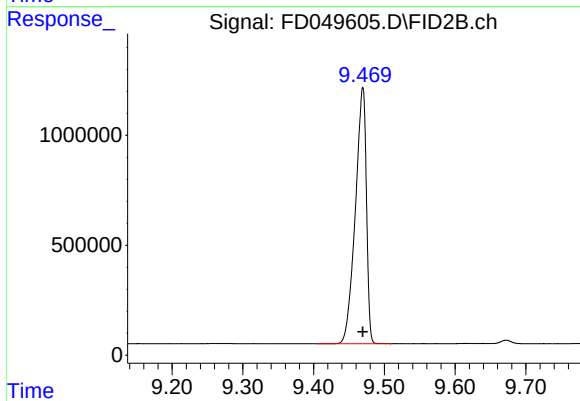
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.585 min
Delta R.T.: 0.000 min
Response: 7342726
Conc: 100.30 ug/ml



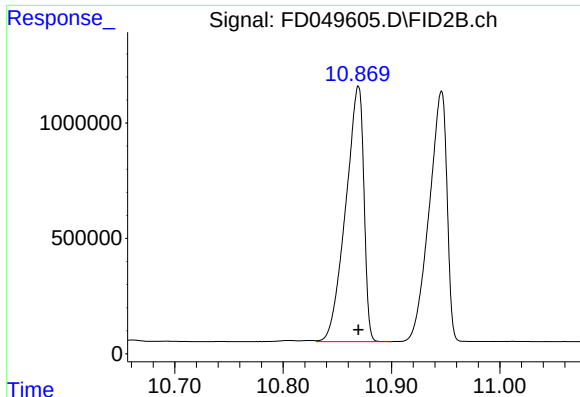
#7 Acenaphthene (C15.5)

R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 12458743
Conc: 99.61 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.470 min
Delta R.T.: 0.000 min
Response: 12598476
Conc: 99.74 ug/ml



#9 Phenanthrene (C19.36)

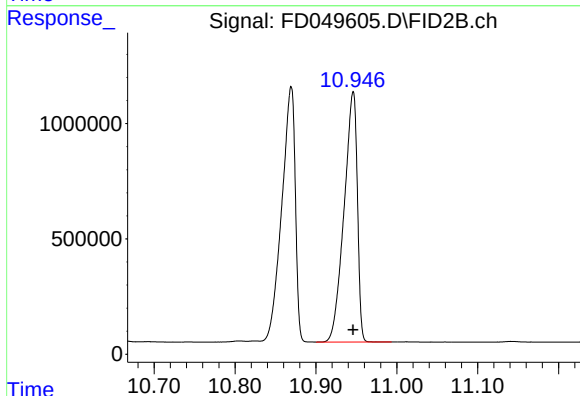
R.T.: 10.869 min
Delta R.T.: 0.000 min
Response: 12906091
Conc: 100.03 ug/ml

Instrument :

FID_D

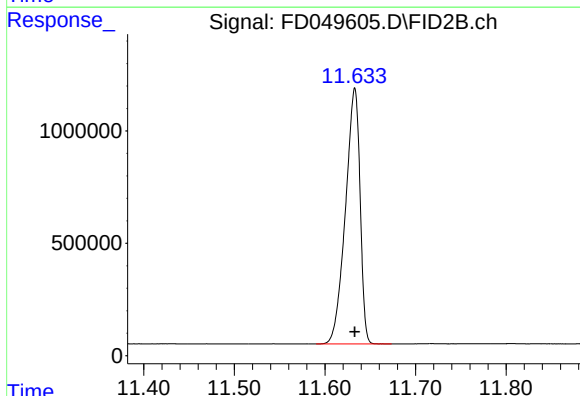
ClientSampleId :

100 PPM AROMATIC HC STD1



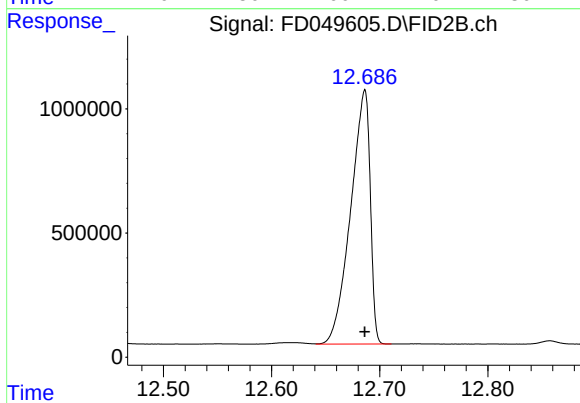
#10 Anthracene (C19.43)

R.T.: 10.946 min
Delta R.T.: 0.000 min
Response: 12367340
Conc: 100.03 ug/ml



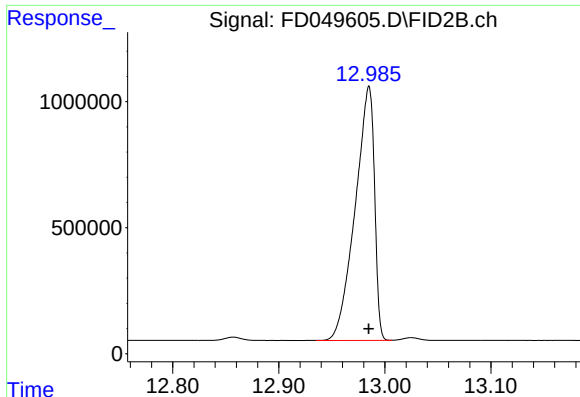
#11 ortho-Terphenyl (SURR)

R.T.: 11.633 min
Delta R.T.: 0.000 min
Response: 12735425
Conc: 99.06 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.686 min
Delta R.T.: 0.000 min
Response: 12816378
Conc: 99.94 ug/ml



#13 Pyrene (C20.8)

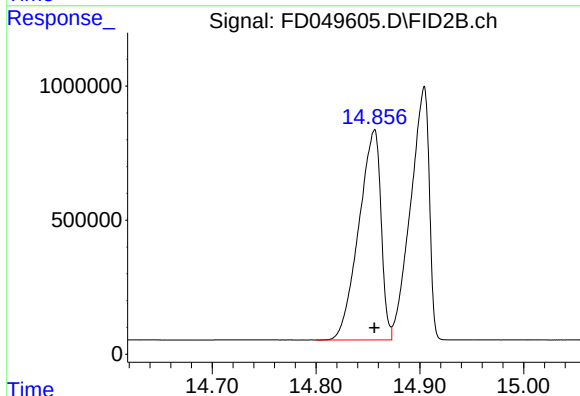
R.T.: 12.985 min
Delta R.T.: 0.000 min
Response: 12735305
Conc: 99.95 ug/ml

Instrument :

FID_D

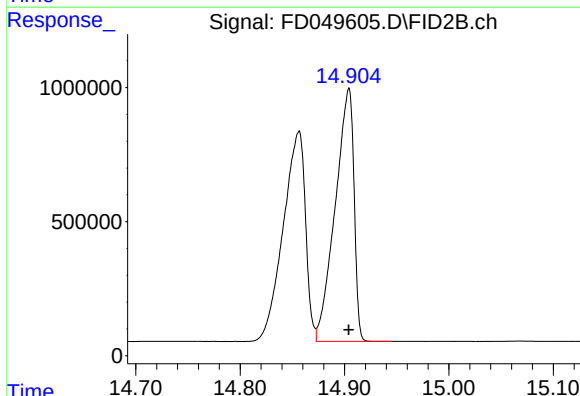
ClientSampleId :

100 PPM AROMATIC HC STD1



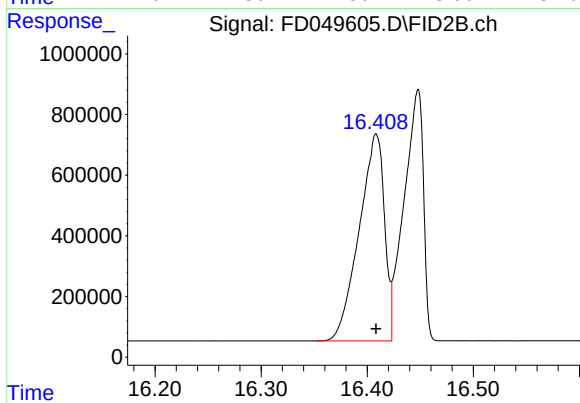
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.856 min
Delta R.T.: 0.000 min
Response: 11649435
Conc: 100.30 ug/ml



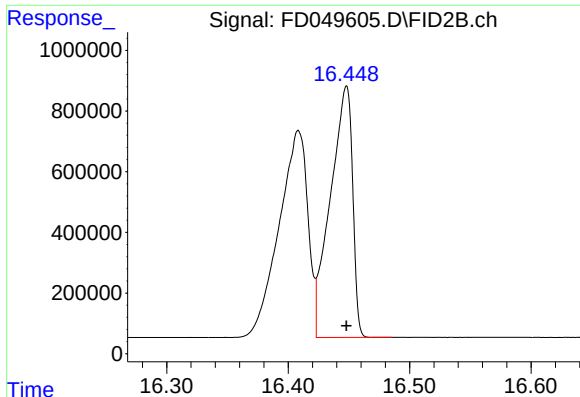
#15 Chrysene (C27.41)

R.T.: 14.904 min
Delta R.T.: 0.000 min
Response: 11783614
Conc: 100.11 ug/ml



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

R.T.: 16.408 min
Delta R.T.: 0.000 min
Response: 11290529
Conc: 99.52 ug/ml



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

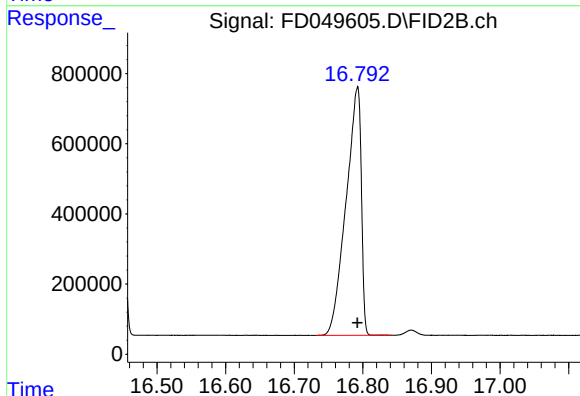
R.T.: 16.448 min
Delta R.T.: 0.000 min
Response: 10514497
Conc: 99.48 ug/ml

Instrument :

FID_D

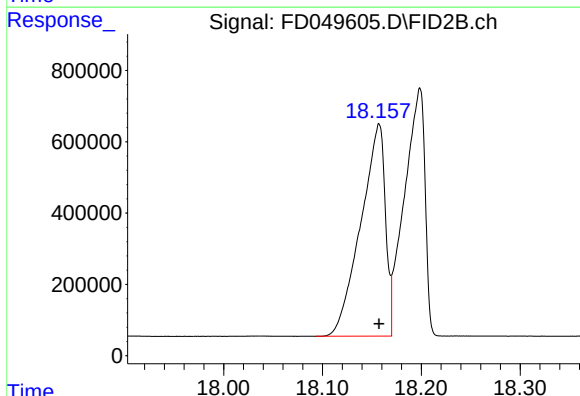
ClientSampleId :

100 PPM AROMATIC HC STD1



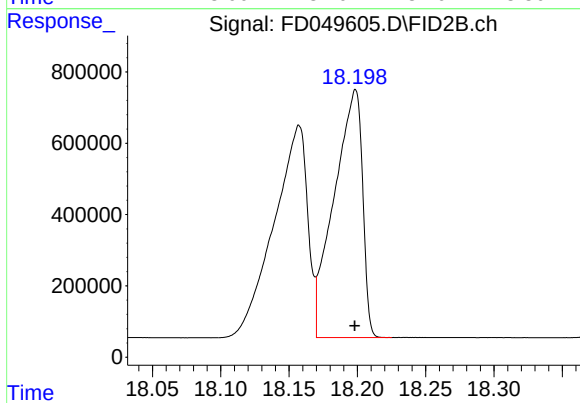
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.792 min
Delta R.T.: 0.000 min
Response: 10929465
Conc: 99.02 ug/ml



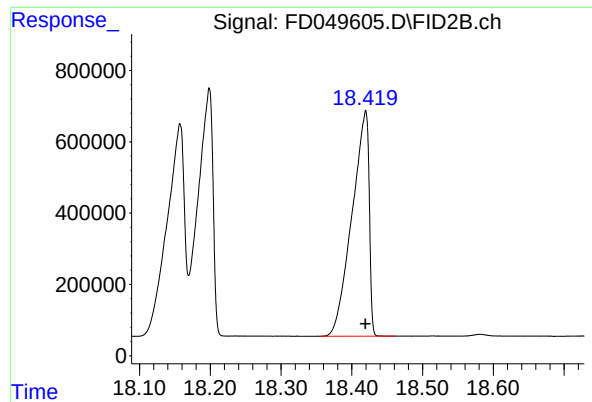
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.157 min
Delta R.T.: 0.000 min
Response: 10293944
Conc: 99.92 ug/ml



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

R.T.: 18.198 min
Delta R.T.: 0.000 min
Response: 10048965
Conc: 96.50 ug/ml



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

R.T.: 18.419 min
Delta R.T.: 0.000 min
Response: 10609120
Conc: 98.21 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049605.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 10:39
 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 081125.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	4.507	4.449	4.544	BB	1141335	9872310	76.49%	4.133%
2	6.053	6.000	6.084	BV	1232326	11375898	88.14%	4.762%
3	7.110	7.049	7.165	BB	1193315	11900671	92.21%	4.982%
4	7.718	7.659	7.762	BB	1052763	10200327	79.03%	4.270%
5	8.390	8.327	8.430	BB	1194531	12459323	96.54%	5.216%
6	8.585	8.549	8.630	BB	700871	7342726	56.89%	3.074%
7	8.688	8.647	8.734	BB	1206036	12458743	96.53%	5.215%
8	9.470	9.404	9.510	BB	1170891	12598476	97.62%	5.274%
9	10.869	10.831	10.900	VV	1112371	12906091	100.00%	5.403%
10	10.946	10.900	10.994	PB	1091936	12367340	95.83%	5.177%
11	11.633	11.590	11.674	BB	1140991	12735425	98.68%	5.331%
12	12.686	12.641	12.711	VV	1029175	12816378	99.30%	5.365%
13	12.985	12.935	13.006	BV	1011040	12735305	98.68%	5.331%
14	14.856	14.800	14.873	BV	787772	11649435	90.26%	4.877%
15	14.904	14.873	14.945	VB	941380	11783614	91.30%	4.933%
16	16.408	16.352	16.423	BV	682171	11290529	87.48%	4.726%
17	16.448	16.423	16.485	VB	832070	10514497	81.47%	4.401%
18	16.792	16.732	16.842	BB	705881	10929465	84.68%	4.575%
19	18.157	18.094	18.170	BV	596663	10293944	79.76%	4.309%
20	18.198	18.170	18.225	VB	697209	10048965	77.86%	4.207%
21	18.419	18.355	18.462	BB	635357	10609120	82.20%	4.441%
Sum of corrected areas:						238888581		

Aromatic EPH 081125.M Mon Aug 11 14:16:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049606.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 11:22
 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: Aug 11 12:32:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 12:28:11 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...	7.716	5149719	50.197 ug/ml
Spiked Amount 50.000		Recovery =	100.39%
6) S 2-Fluorobiphenyl (SURR)	8.582	3690104	50.269 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.54%
11) S ortho-Terphenyl (SURR)	11.628	6490866	50.325 ug/ml
Spiked Amount 50.000		Recovery =	100.65%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	4987840	49.875 ug/ml
2) T Naphthalene (C11.7)	6.052	5718435	50.050 ug/ml
3) T 2-Methylnaphthalene (...)	7.107	5978513	50.096 ug/ml
5) T Acenaphthylene (C15.06)	8.386	6294153	50.189 ug/ml
7) T Acenaphthene (C15.5)	8.683	6301217	50.252 ug/ml
8) T Flouorene (C16.55)	9.464	6371712	50.295 ug/ml
9) T Phenanthrene (C19.36)	10.863	6554001	50.530 ug/ml
10) T Anthracene (C19.43)	10.938	6232974	50.275 ug/ml
12) T Fluoranthene (C21.85)	12.678	6495094	50.429 ug/ml
13) T Pyrene (C20.8)	12.976	6446735	50.395 ug/ml
14) T Benzo[a]anthracene (C...	14.848	5855556	50.276 ug/ml
15) T Chrysene (C27.41)	14.892	5929995	50.253 ug/ml
16) T benzo[b]fluoranthene ...	16.398	5664067	49.950 ug/ml
17) T Bnezo[k]fluoranthene ...	16.434	5334431	50.109 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.780	5508103	49.936 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.144	5093146	49.625 ug/ml
20) T Dibenz[a,h]anthracene...	18.184	5242339	50.022 ug/ml
21) T Benzo[g,h,i]perylene ...	18.403	5372202	49.820 ug/ml

(f)=RT Delta > 1/2 Window

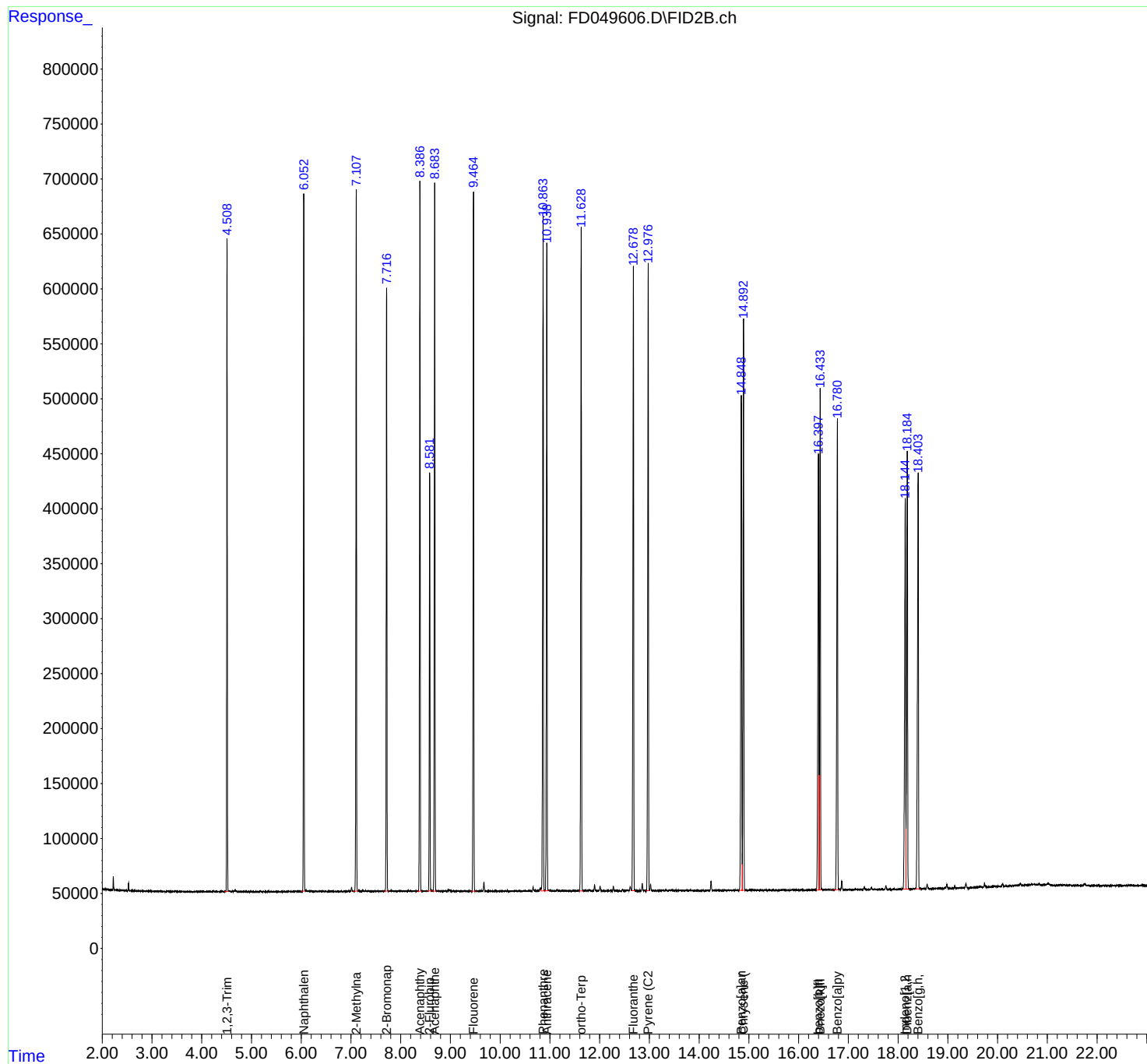
(m)=manual int.

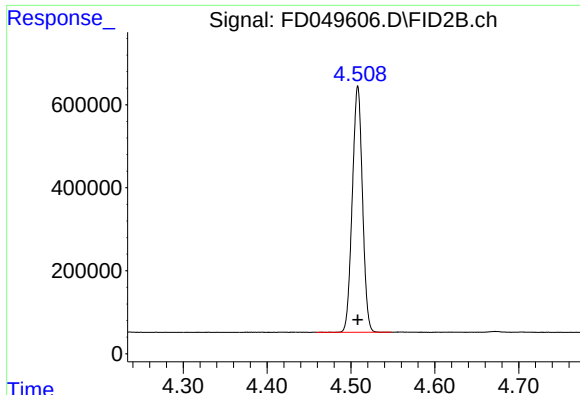
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049606.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 11:22
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 11 12:32:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 12:28:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

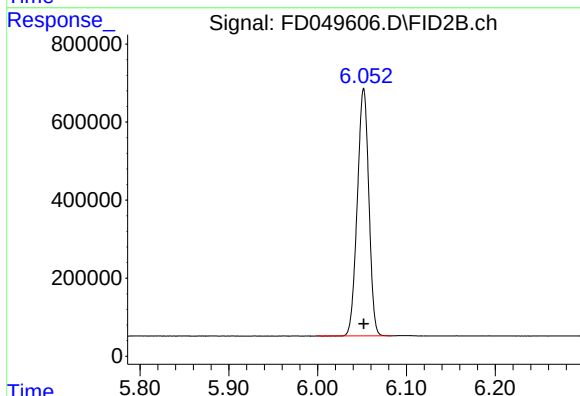




#1 1,2,3-Trimethylbenzene (C10.1)

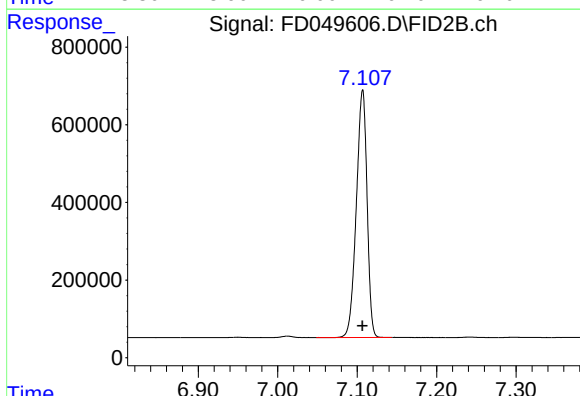
R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 4987840
Conc: 49.88 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



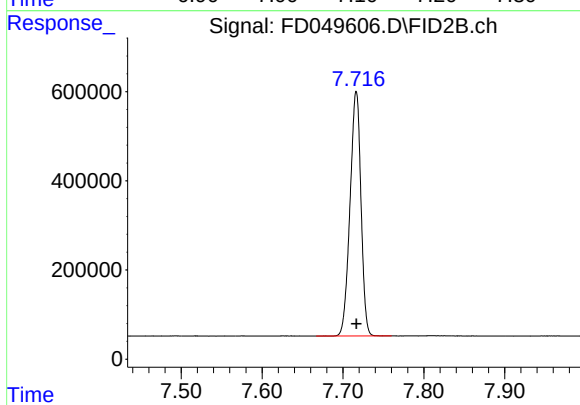
#2 Naphthalene (C11.7)

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 5718435
Conc: 50.05 ug/ml



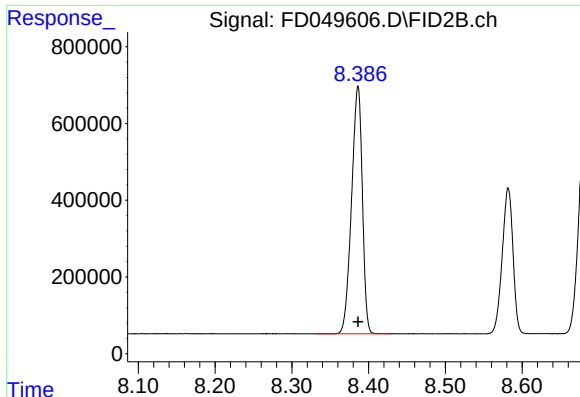
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 5978513
Conc: 50.10 ug/ml



#4 2-Bromonaphthalene (SURR)

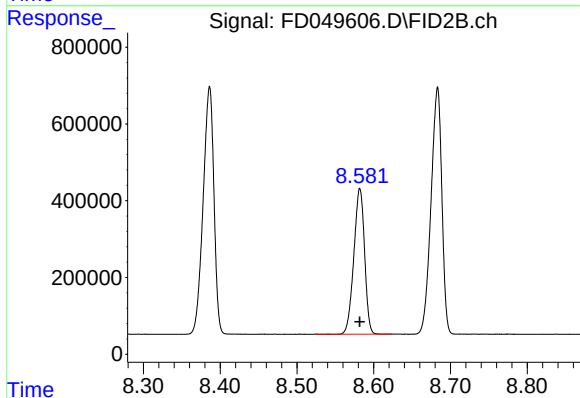
R.T.: 7.716 min
Delta R.T.: 0.000 min
Response: 5149719
Conc: 50.20 ug/ml



#5 Acenaphthylene (C15.06)

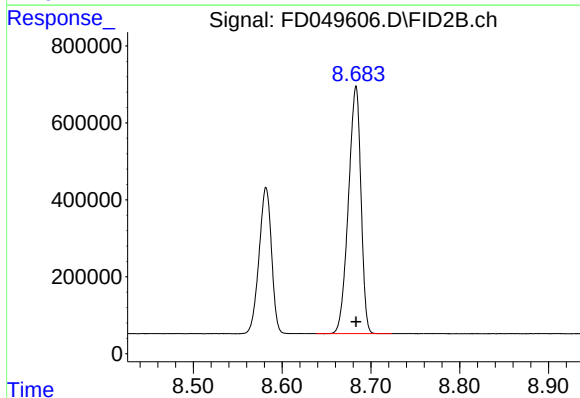
R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 6294153
Conc: 50.19 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



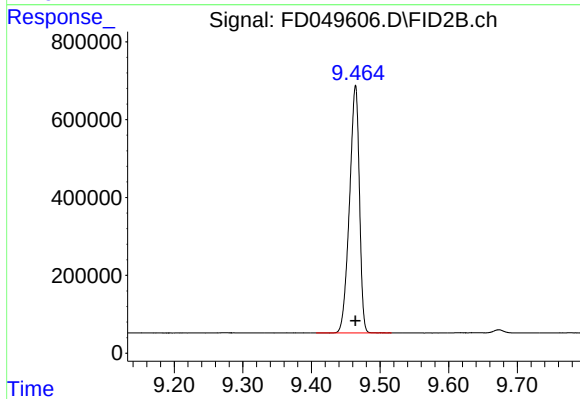
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.582 min
Delta R.T.: 0.000 min
Response: 3690104
Conc: 50.27 ug/ml



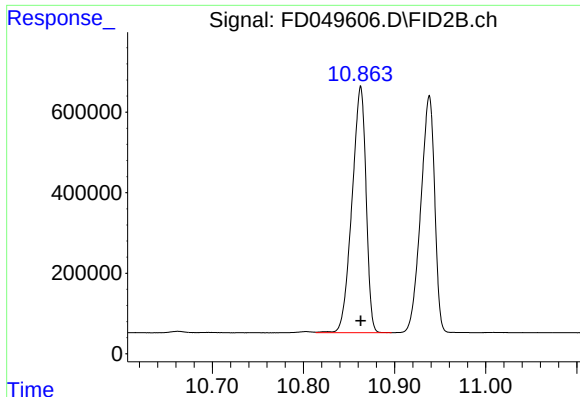
#7 Acenaphthene (C15.5)

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 6301217
Conc: 50.25 ug/ml



#8 Fluorene (C16.55)

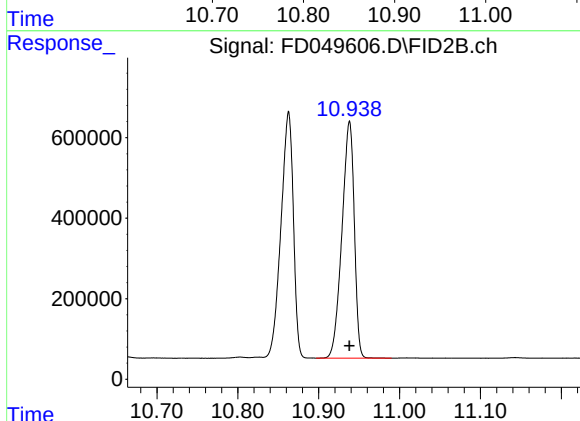
R.T.: 9.464 min
Delta R.T.: 0.000 min
Response: 6371712
Conc: 50.30 ug/ml



#9 Phenanthrene (C19.36)

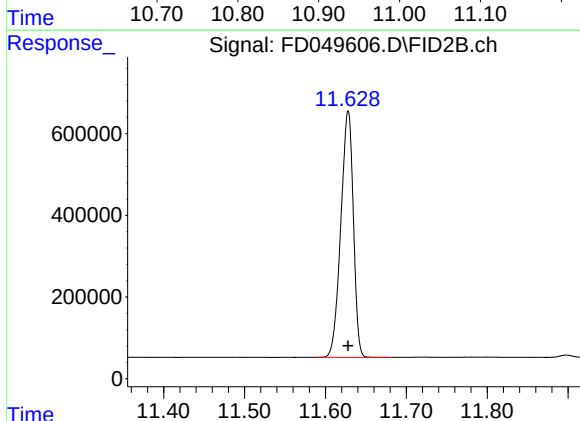
R.T.: 10.863 min
Delta R.T.: 0.000 min
Response: 6554001
Conc: 50.53 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



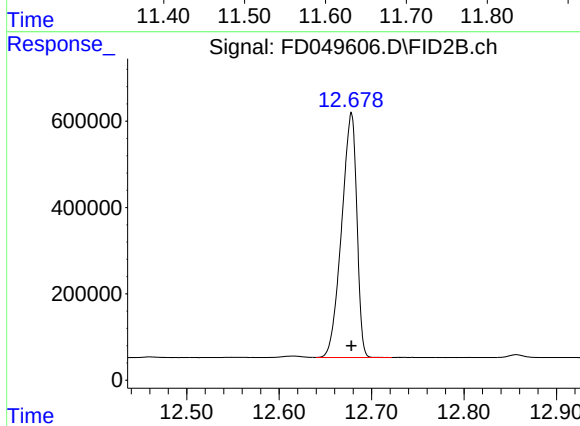
#10 Anthracene (C19.43)

R.T.: 10.938 min
Delta R.T.: 0.000 min
Response: 6232974
Conc: 50.27 ug/ml



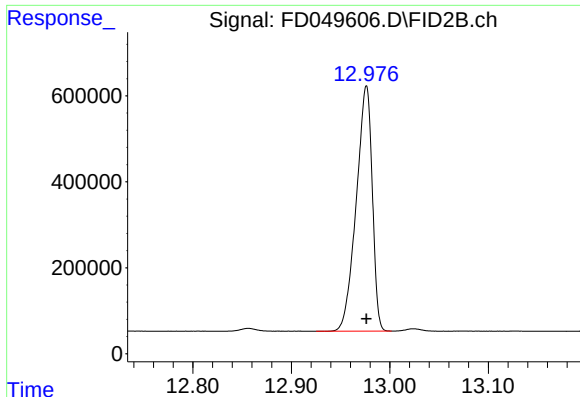
#11 ortho-Terphenyl (SURR)

R.T.: 11.628 min
Delta R.T.: 0.000 min
Response: 6490866
Conc: 50.33 ug/ml



#12 Fluoranthene (C21.85)

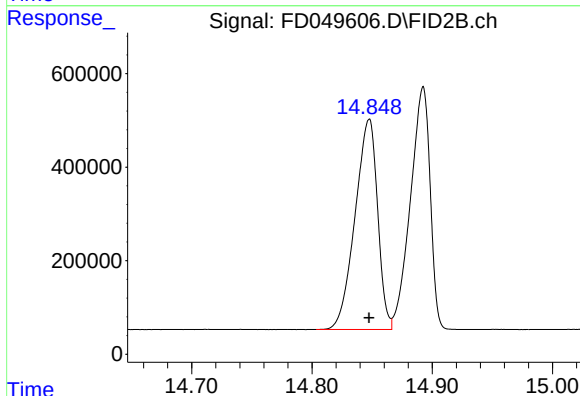
R.T.: 12.678 min
Delta R.T.: 0.000 min
Response: 6495094
Conc: 50.43 ug/ml



#13 Pyrene (C20.8)

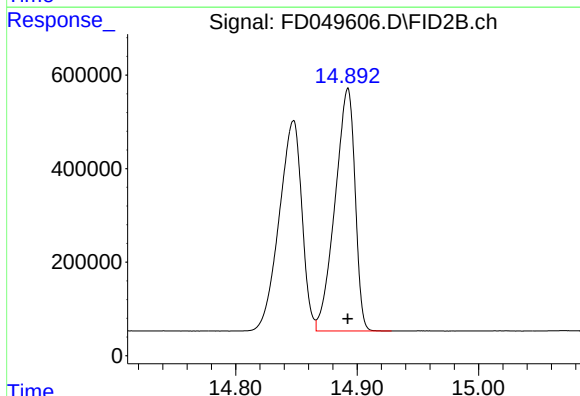
R.T.: 12.976 min
Delta R.T.: 0.000 min
Response: 6446735
Conc: 50.39 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



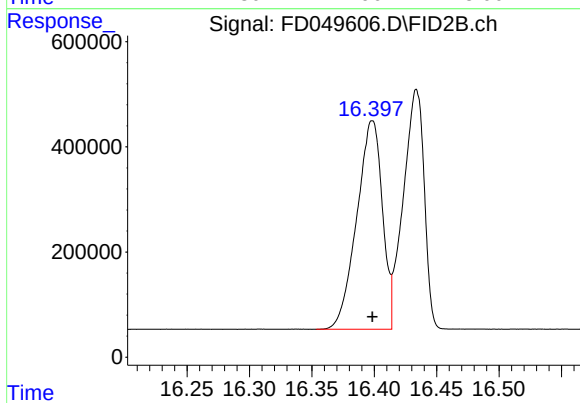
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.848 min
Delta R.T.: 0.000 min
Response: 5855556
Conc: 50.28 ug/ml



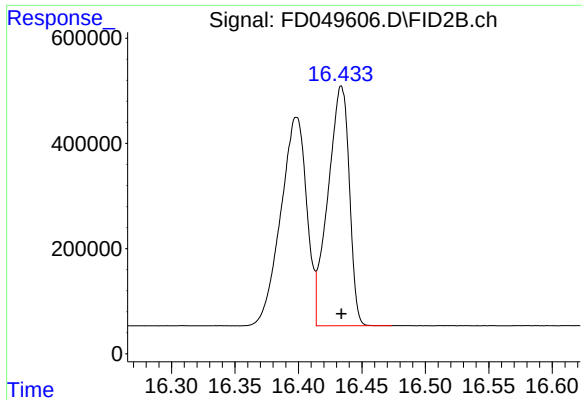
#15 Chrysene (C27.41)

R.T.: 14.892 min
Delta R.T.: 0.000 min
Response: 5929995
Conc: 50.25 ug/ml



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

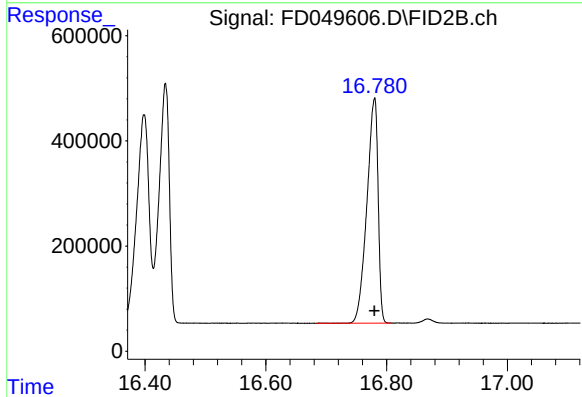
R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 5664067
Conc: 49.95 ug/ml



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

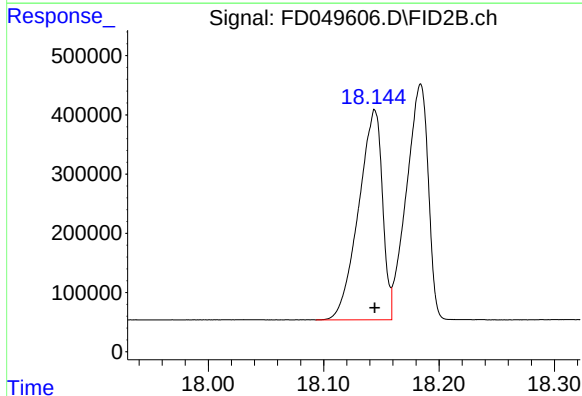
R.T.: 16.434 min
Delta R.T.: 0.000 min
Response: 5334431
Conc: 50.11 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



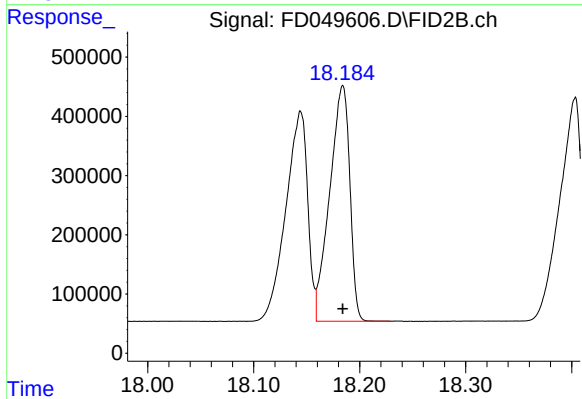
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.780 min
Delta R.T.: 0.000 min
Response: 5508103
Conc: 49.94 ug/ml



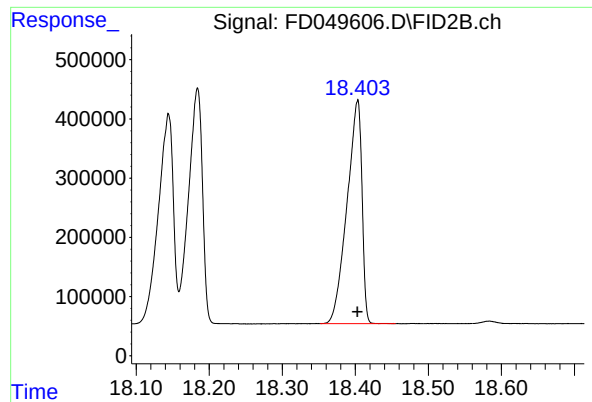
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.144 min
Delta R.T.: 0.000 min
Response: 5093146
Conc: 49.63 ug/ml



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

R.T.: 18.184 min
Delta R.T.: 0.000 min
Response: 5242339
Conc: 50.02 ug/ml



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

R.T.: 18.403 min
Delta R.T.: 0.000 min
Response: 5372202
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\FD081125AR\
 Data File : FD049606.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 11:22
 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 081125.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	4.508	4.458	4.548	BB	594060	4987840	76.10%	4.132%
2	6.052	5.998	6.083	BV	633679	5718435	87.25%	4.737%
3	7.107	7.048	7.143	BB	638187	5978513	91.22%	4.953%
4	7.717	7.667	7.760	BB	548709	5149719	78.57%	4.266%
5	8.386	8.332	8.430	BB	646941	6294153	96.04%	5.214%
6	8.582	8.525	8.623	BB	380406	3690104	56.30%	3.057%
7	8.683	8.638	8.723	BB	644877	6301217	96.14%	5.220%
8	9.464	9.407	9.517	BB	634560	6371712	97.22%	5.278%
9	10.863	10.814	10.897	VV	613072	6554001	100.00%	5.429%
10	10.938	10.897	10.990	VB	589694	6232974	95.10%	5.164%
11	11.628	11.588	11.682	BB	604101	6490866	99.04%	5.377%
12	12.678	12.640	12.722	VB	567673	6495094	99.10%	5.381%
13	12.976	12.925	13.002	BV	572311	6446735	98.36%	5.341%
14	14.848	14.803	14.866	BV	449499	5855556	89.34%	4.851%
15	14.892	14.866	14.928	VB	517700	5929995	90.48%	4.913%
16	16.398	16.353	16.414	BV	396670	5664067	86.42%	4.692%
17	16.434	16.414	16.473	VB	456635	5334431	81.39%	4.419%
18	16.780	16.683	16.808	BB	428347	5508103	84.04%	4.563%
19	18.144	18.093	18.159	BV	353390	5093146	77.71%	4.219%
20	18.184	18.159	18.230	VB	398025	5242339	79.99%	4.343%
21	18.403	18.352	18.455	BB	378020	5372202	81.97%	4.450%
Sum of corrected areas:						120711201		

Aromatic EPH 081125.M Mon Aug 11 14:16:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049607.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:06
 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: Aug 11 12:28:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 12:28:11 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...	7.715	2055465	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.579	1459830	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.625	2595234	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	2030793	20.000 ug/ml
2) T Naphthalene (C11.7)	6.051	2292688	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.105	2388988	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.383	2515082	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.679	2511355	20.000 ug/ml
8) T Flouorene (C16.55)	9.460	2532761	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.858	2579454	20.000 ug/ml
10) T Anthracene (C19.43)	10.933	2472061	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.672	2566419	20.000 ug/ml
13) T Pyrene (C20.8)	12.969	2549759	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.840	2315935	20.000 ug/ml
15) T Chrysene (C27.41)	14.883	2351504	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2279925	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.424	2150720	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2229041	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.134	2061894	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.174	2181315	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.389	2199279	20.000 ug/ml

(f)=RT Delta > 1/2 Window

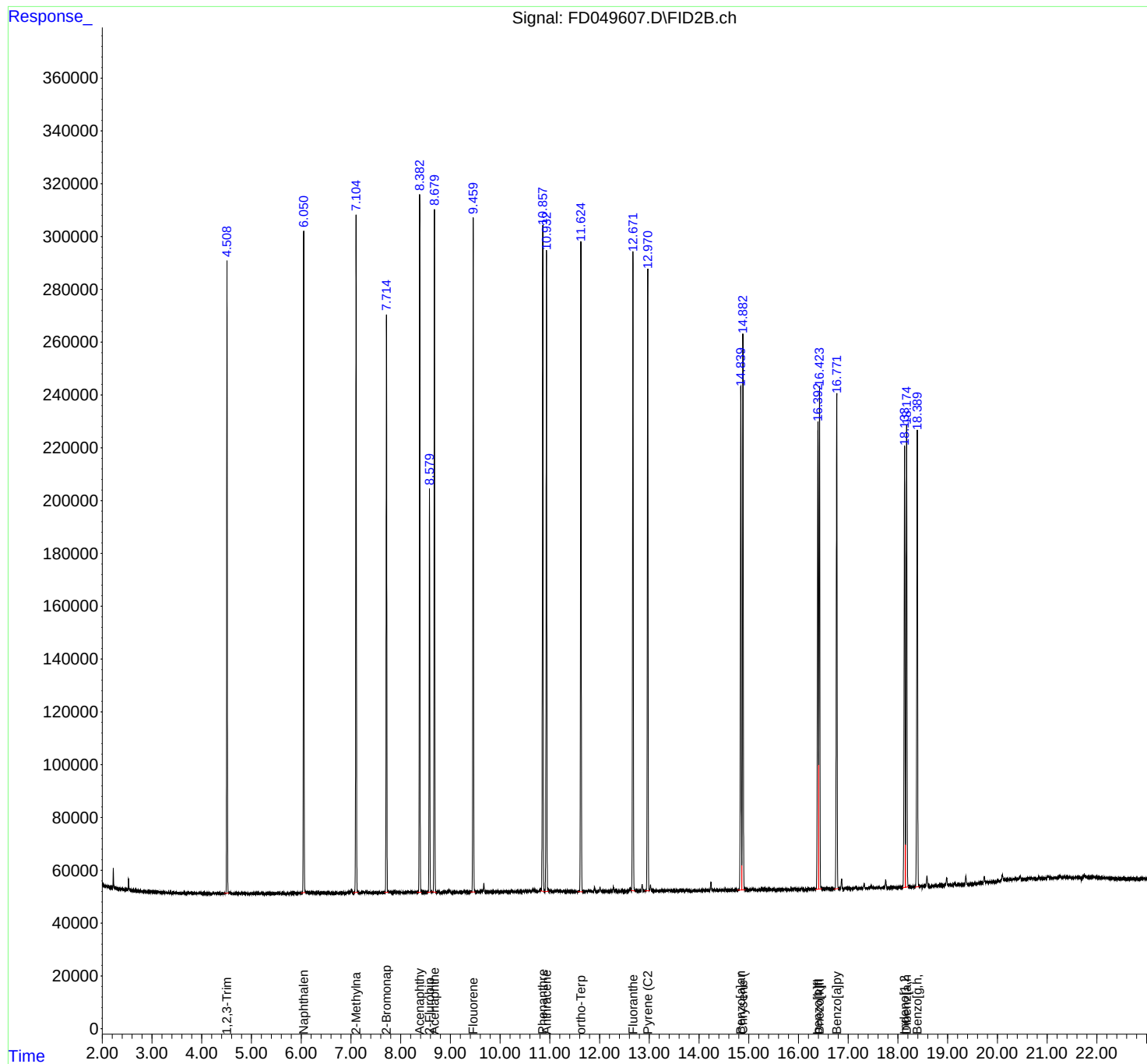
(m)=manual int.

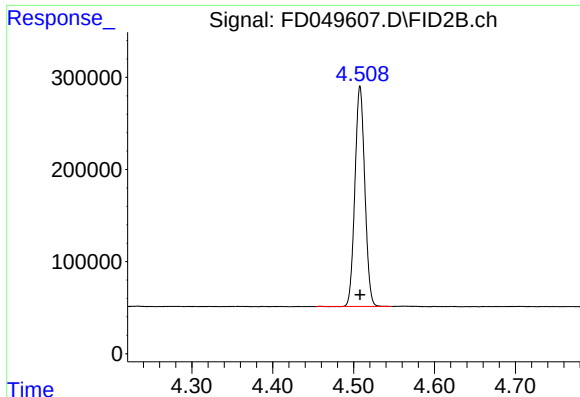
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049607.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 12:06
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 11 12:28:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 12:28:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

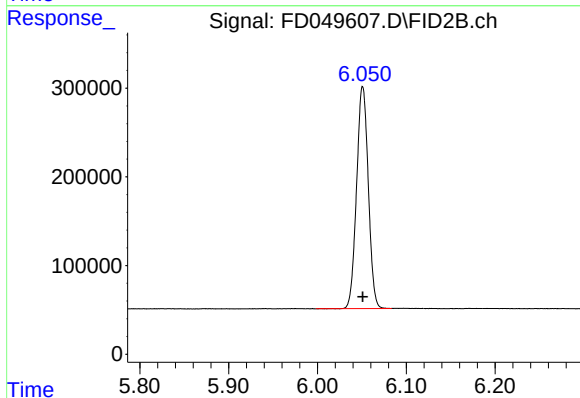




#1 1,2,3-Trimethylbenzene (C10.1)

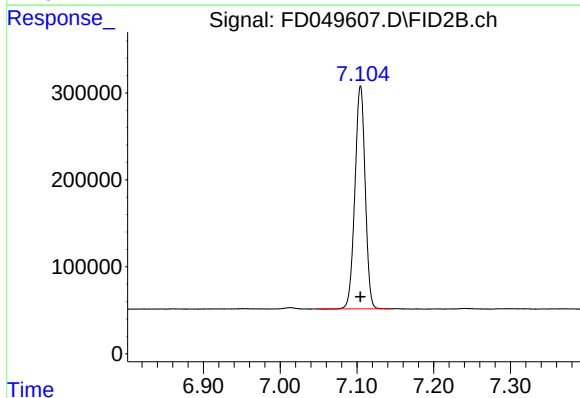
R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 2030793
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



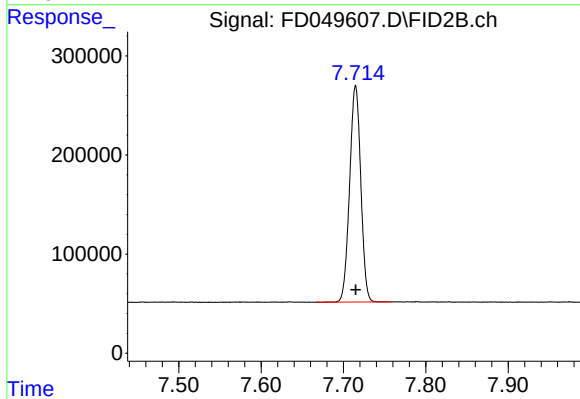
#2 Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.000 min
Response: 2292688
Conc: 20.00 ug/ml



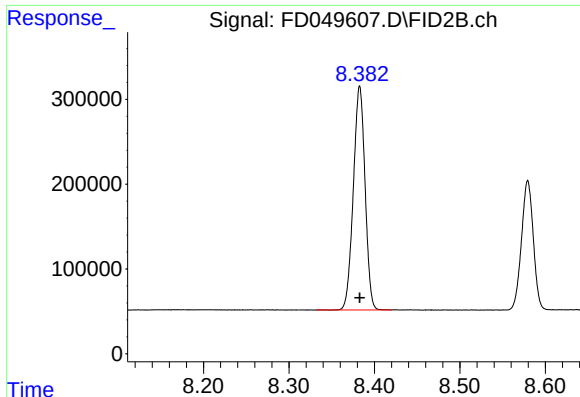
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 2388988
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

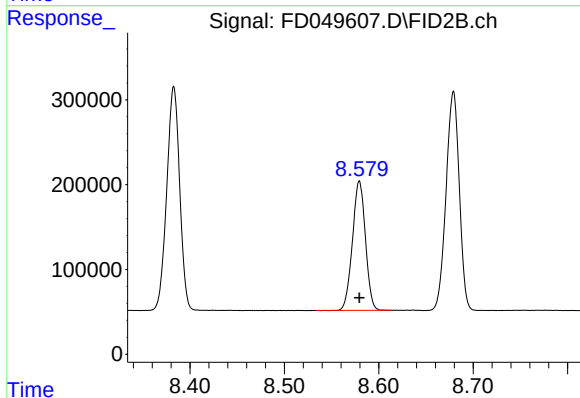
R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 2055465
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

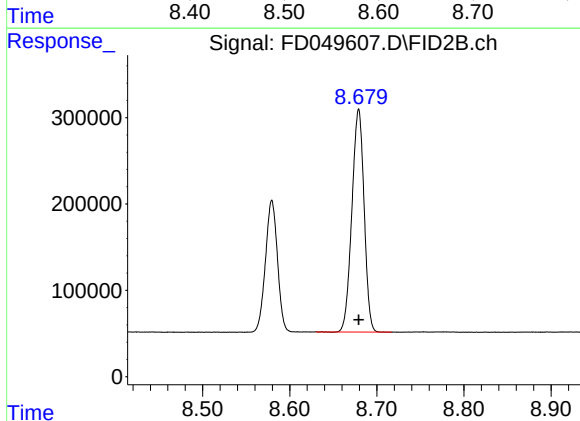
R.T.: 8.383 min
Delta R.T.: 0.000 min
Response: 2515082
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



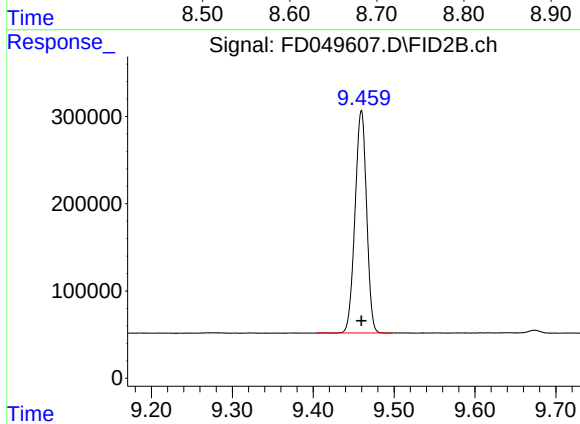
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 1459830
Conc: 20.00 ug/ml



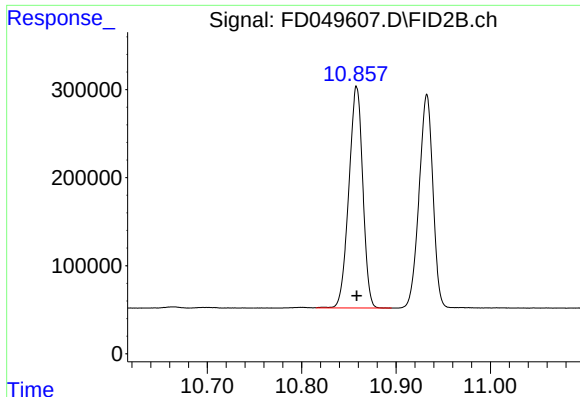
#7 Acenaphthene (C15.5)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 2511355
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

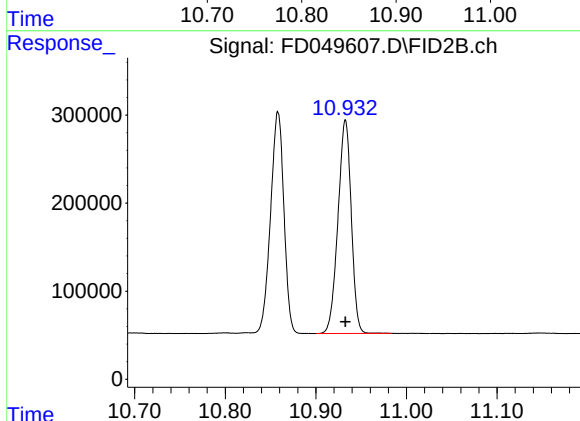
R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 2532761
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

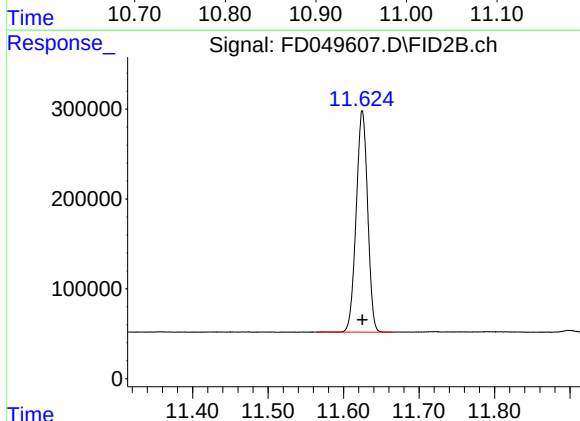
R.T.: 10.858 min
Delta R.T.: 0.000 min
Response: 2579454
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



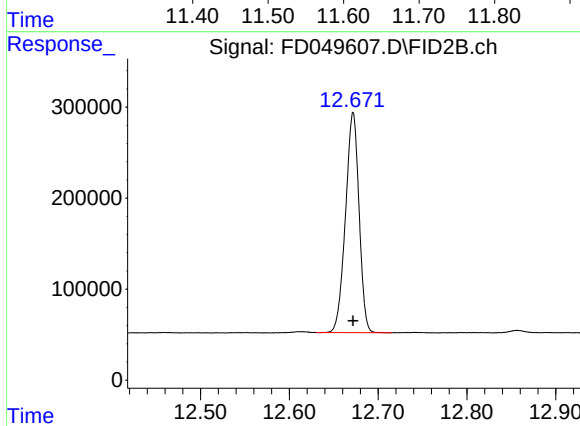
#10 Anthracene (C19.43)

R.T.: 10.933 min
Delta R.T.: 0.000 min
Response: 2472061
Conc: 20.00 ug/ml



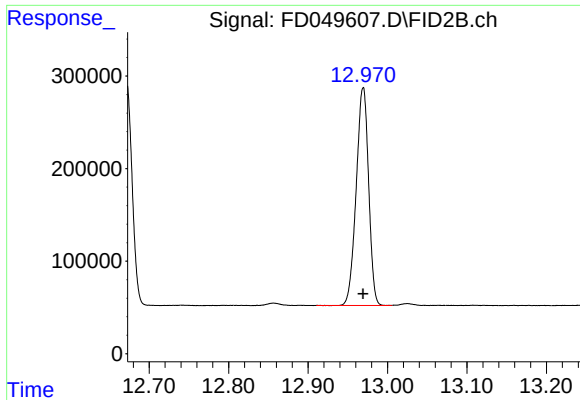
#11 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: 0.000 min
Response: 2595234
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

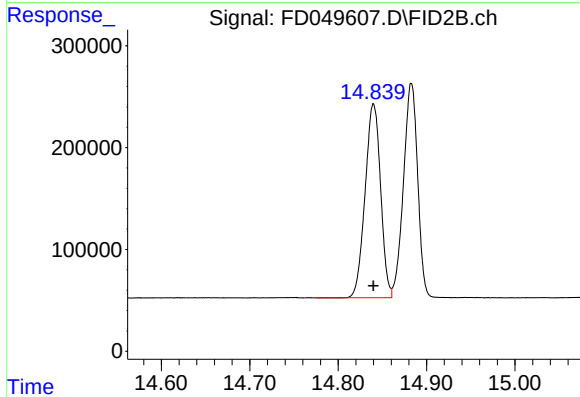
R.T.: 12.672 min
Delta R.T.: 0.000 min
Response: 2566419
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

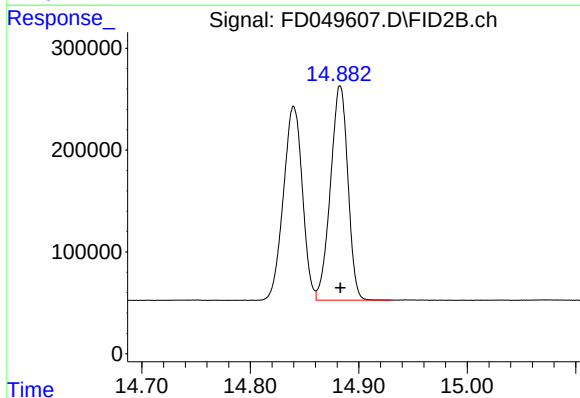
R.T.: 12.969 min
Delta R.T.: 0.000 min
Response: 2549759
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



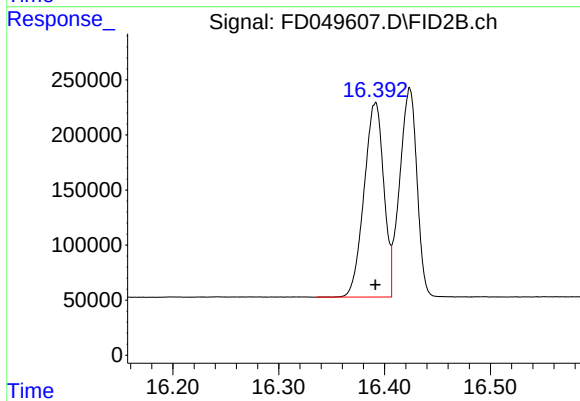
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.840 min
Delta R.T.: 0.000 min
Response: 2315935
Conc: 20.00 ug/ml



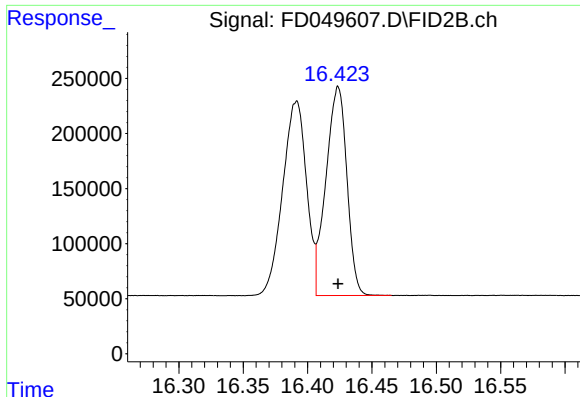
#15 Chrysene (C27.41)

R.T.: 14.883 min
Delta R.T.: 0.000 min
Response: 2351504
Conc: 20.00 ug/ml



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

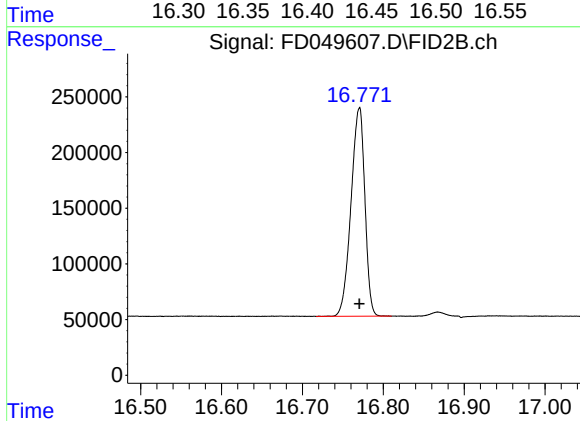
R.T.: 16.391 min
Delta R.T.: 0.000 min
Response: 2279925
Conc: 20.00 ug/ml



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

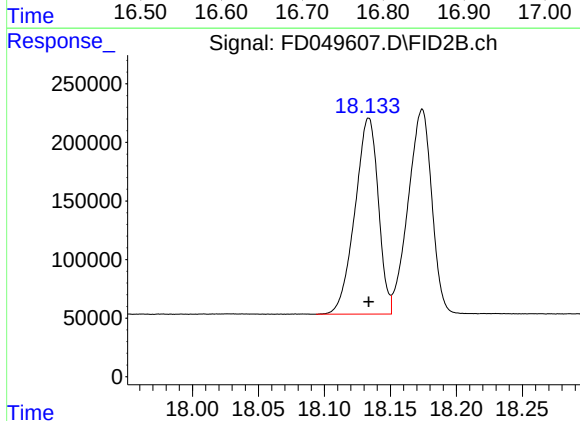
R.T.: 16.424 min
Delta R.T.: 0.000 min
Response: 2150720
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



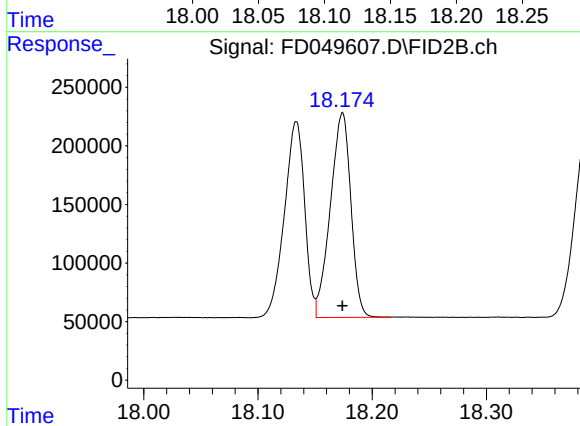
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 2229041
Conc: 20.00 ug/ml



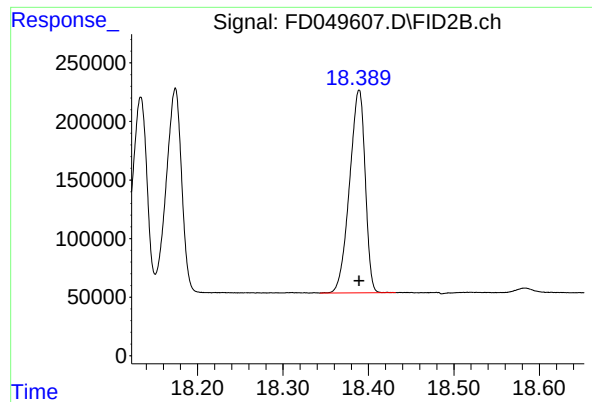
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.134 min
Delta R.T.: 0.000 min
Response: 2061894
Conc: 20.00 ug/ml



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

R.T.: 18.174 min
Delta R.T.: 0.000 min
Response: 2181315
Conc: 20.00 ug/ml



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

R.T.: 18.389 min
Delta R.T.: 0.000 min
Response: 2199279
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\FD081125AR\
 Data File : FD049607.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:06
 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 081125.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	4.508	4.454	4.547	BB	239366	2030793	78.25%	4.203%
2	6.051	5.999	6.084	BB	251063	2292688	88.34%	4.745%
3	7.105	7.047	7.145	BB	257204	2388988	92.05%	4.944%
4	7.715	7.667	7.759	BB	218613	2055465	79.20%	4.254%
5	8.383	8.332	8.420	BB	263921	2515082	96.91%	5.205%
6	8.580	8.534	8.614	BB	152589	1459830	56.25%	3.021%
7	8.679	8.630	8.717	BB	257790	2511355	96.77%	5.197%
8	9.460	9.404	9.497	BB	255731	2532761	97.59%	5.242%
9	10.858	10.815	10.895	BB	251224	2579454	99.39%	5.338%
10	10.933	10.900	10.984	BB	242357	2472061	95.25%	5.116%
11	11.625	11.564	11.664	BB	246386	2595234	100.00%	5.371%
12	12.672	12.630	12.715	BB	242358	2566419	98.89%	5.311%
13	12.969	12.910	13.005	BV	235436	2549759	98.25%	5.277%
14	14.840	14.775	14.861	BV	190466	2315935	89.24%	4.793%
15	14.883	14.861	14.930	VB	210656	2351504	90.61%	4.867%
16	16.391	16.335	16.407	BV	177186	2279925	87.85%	4.718%
17	16.424	16.407	16.465	VB	190164	2150720	82.87%	4.451%
18	16.770	16.717	16.810	BB	187082	2229041	85.89%	4.613%
19	18.134	18.094	18.151	BV	167493	2061894	79.45%	4.267%
20	18.174	18.151	18.217	VB	174460	2181315	84.05%	4.514%
21	18.389	18.344	18.432	BB	173101	2199279	84.74%	4.552%
Sum of corrected areas:							48319501	

Aromatic EPH 081125.M Mon Aug 11 14:17:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049608.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:51
 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: Aug 11 13:20:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 13:20:05 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...	7.714	1068284	10.307 ug/ml
Spiked Amount 50.000		Recovery =	20.61%
6) S 2-Fluorobiphenyl (SURR)	8.578	754720	10.210 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.42%
11) S ortho-Terphenyl (SURR)	11.624	1353873	10.368 ug/ml
Spiked Amount 50.000		Recovery =	20.74%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	1067057	10.494 ug/ml
2) T Naphthalene (C11.7)	6.051	1192429	10.324 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	1240342	10.292 ug/ml
5) T Acenaphthylene (C15.06)	8.382	1305549	10.305 ug/ml
7) T Acenaphthene (C15.5)	8.677	1308639	10.324 ug/ml
8) T Flouorene (C16.55)	9.459	1317291	10.296 ug/ml
9) T Phenanthrene (C19.36)	10.857	1346915	10.286 ug/ml
10) T Anthracene (C19.43)	10.931	1285725	10.275 ug/ml
12) T Fluoranthene (C21.85)	12.669	1323090	10.203 ug/ml
13) T Pyrene (C20.8)	12.967	1307166	10.163 ug/ml
14) T Benzo[a]anthracene (C...	14.837	1177863	10.085 ug/ml
15) T Chrysene (C27.41)	14.879	1195016	10.095 ug/ml
16) T benzo[b]fluoranthene ...	16.387	1167896	10.223 ug/ml
17) T Bnezo[k]fluoranthene ...	16.419	1101425	10.257 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.766	1147311	10.298 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.129	1064699	10.278 ug/ml
20) T Dibenz[a,h]anthracene...	18.170	1136118	10.618 ug/ml
21) T Benzo[g,h,i]perylene ...	18.383	1140495	10.426 ug/ml

(f)=RT Delta > 1/2 Window

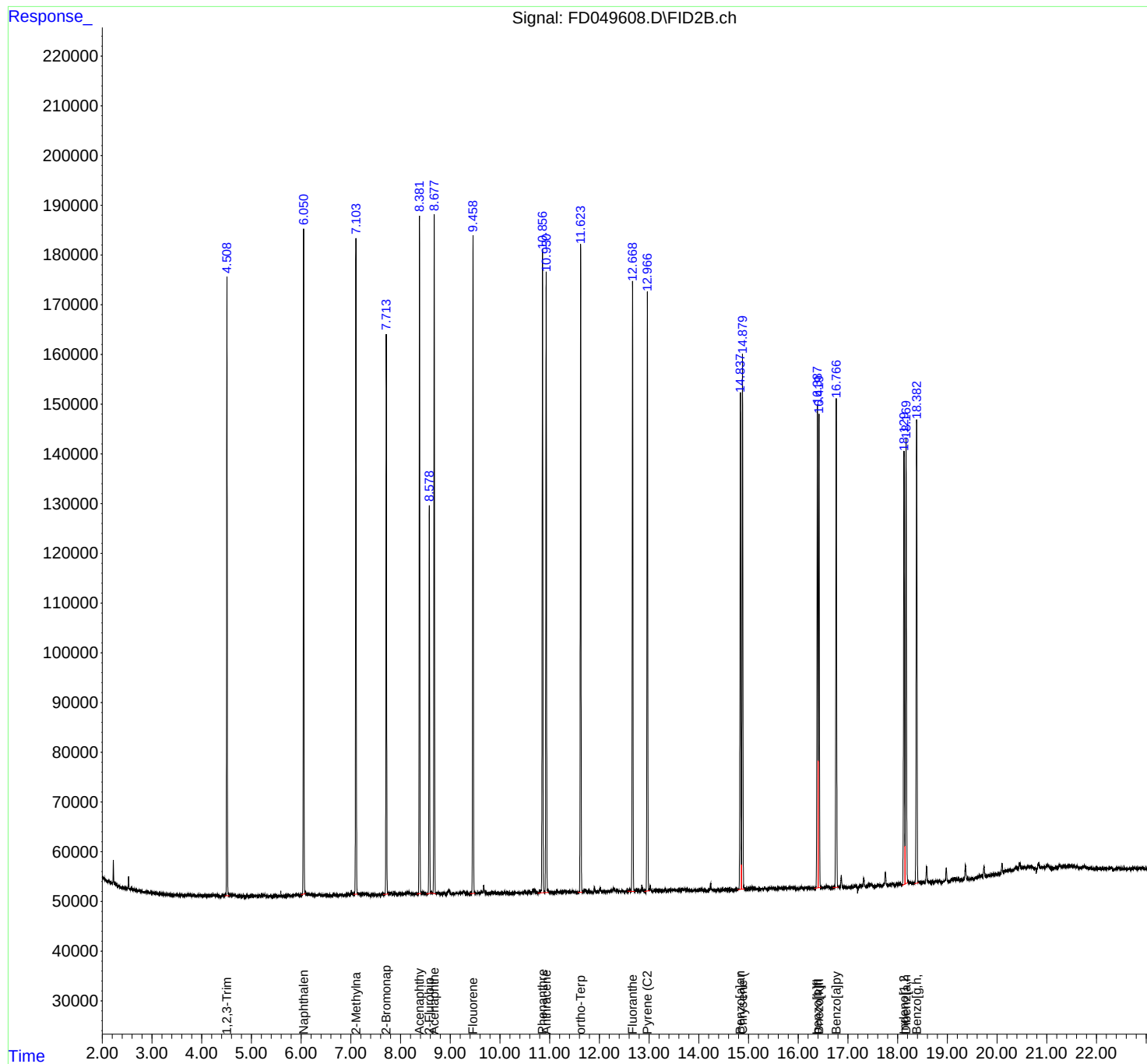
(m)=manual int.

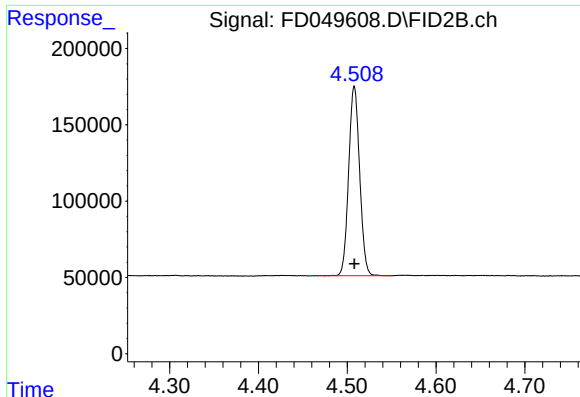
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049608.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 12:51
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 11 13:20:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 13:20:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

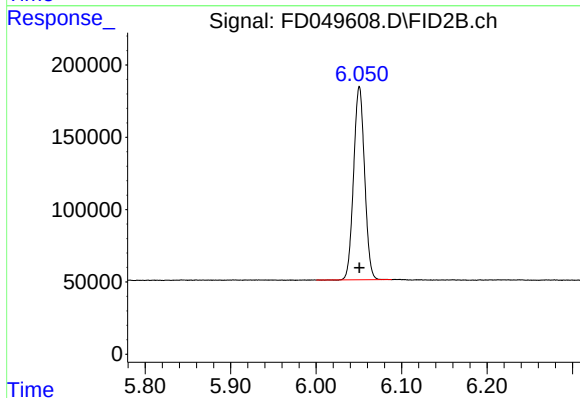




#1 1,2,3-Trimethylbenzene (C10.1)

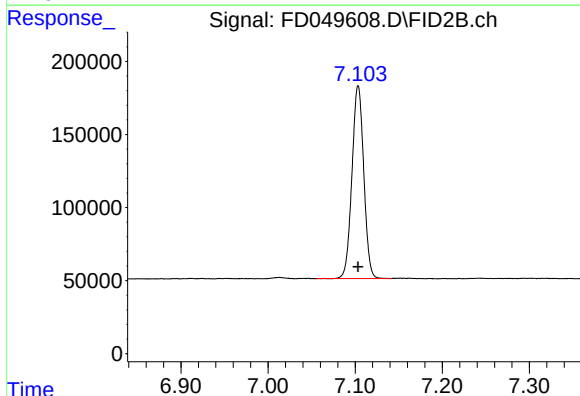
R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 1067057
Conc: 10.49 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



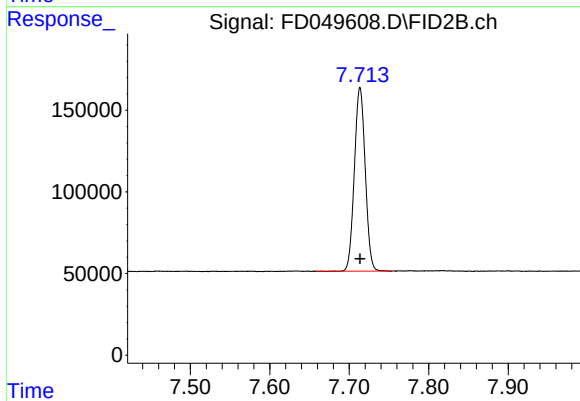
#2 Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.000 min
Response: 1192429
Conc: 10.32 ug/ml



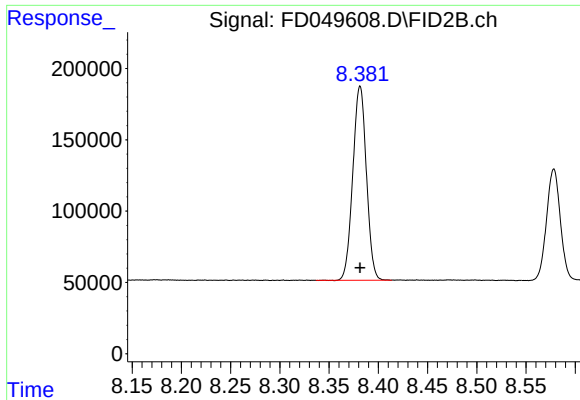
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 1240342
Conc: 10.29 ug/ml



#4 2-Bromonaphthalene (SURR)

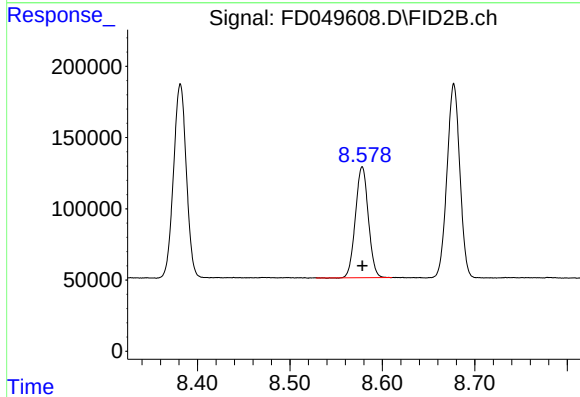
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 1068284
Conc: 10.31 ug/ml



#5 Acenaphthylene (C15.06)

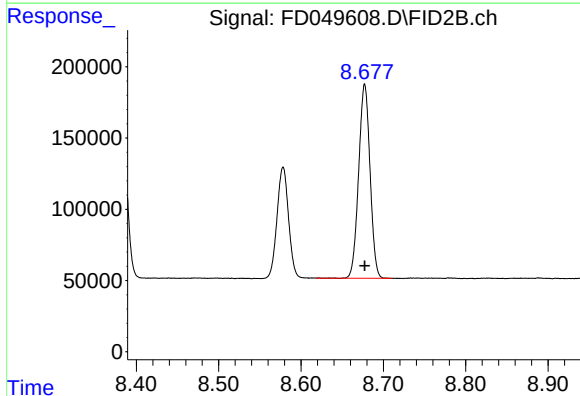
R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 1305549
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



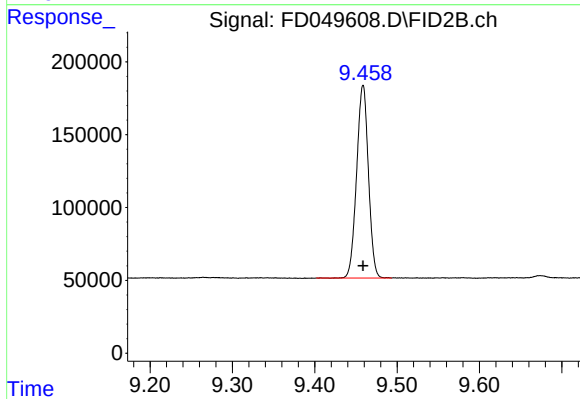
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.578 min
Delta R.T.: 0.000 min
Response: 754720
Conc: 10.21 ug/ml



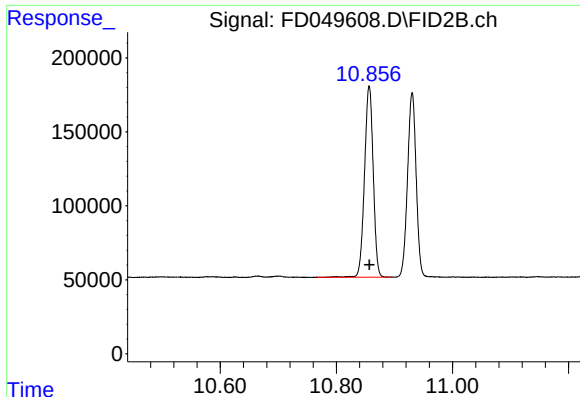
#7 Acenaphthene (C15.5)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 1308639
Conc: 10.32 ug/ml



#8 Flouorene (C16.55)

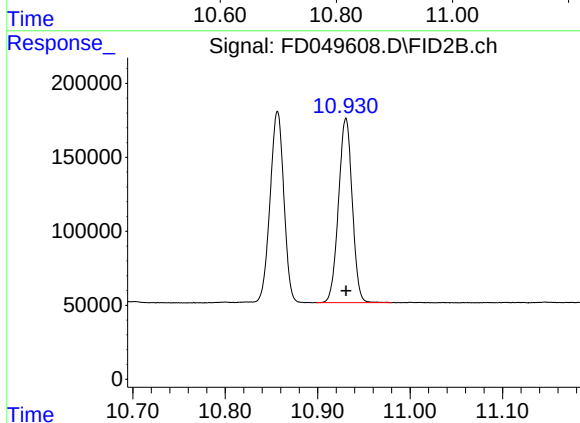
R.T.: 9.459 min
Delta R.T.: 0.000 min
Response: 1317291
Conc: 10.30 ug/ml



#9 Phenanthrene (C19.36)

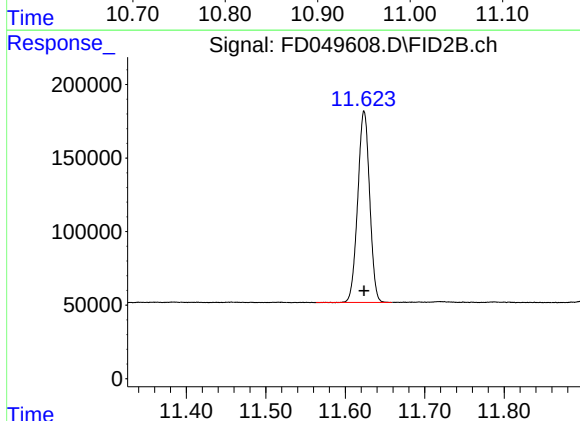
R.T.: 10.857 min
Delta R.T.: 0.000 min
Response: 1346915
Conc: 10.29 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



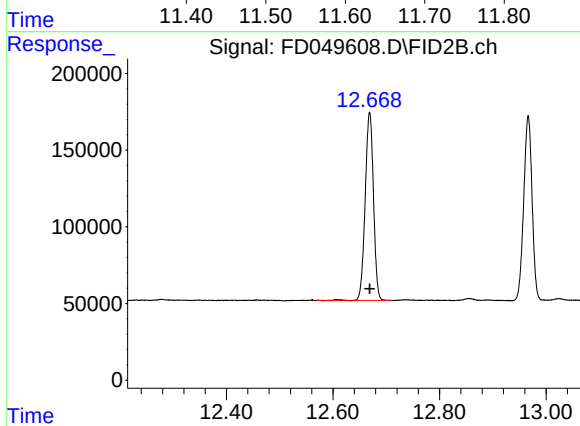
#10 Anthracene (C19.43)

R.T.: 10.931 min
Delta R.T.: 0.000 min
Response: 1285725
Conc: 10.28 ug/ml



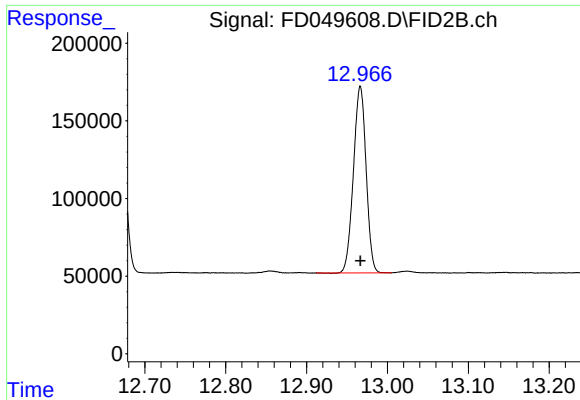
#11 ortho-Terphenyl (SURR)

R.T.: 11.624 min
Delta R.T.: 0.000 min
Response: 1353873
Conc: 10.37 ug/ml



#12 Fluoranthene (C21.85)

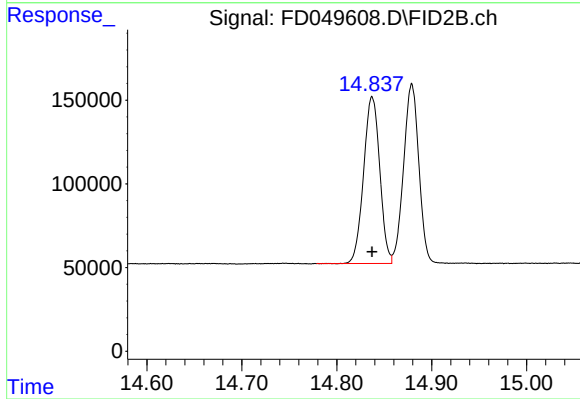
R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 1323090
Conc: 10.20 ug/ml



#13 Pyrene (C20.8)

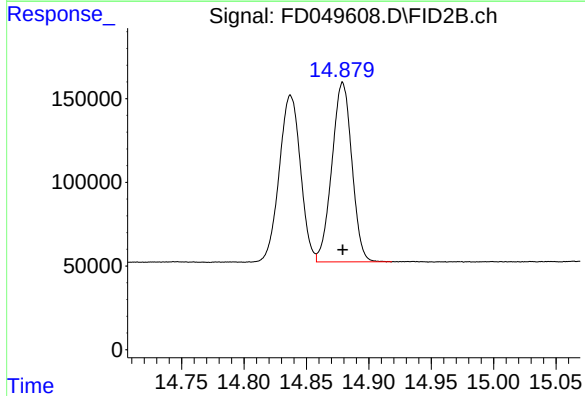
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 1307166
Conc: 10.16 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



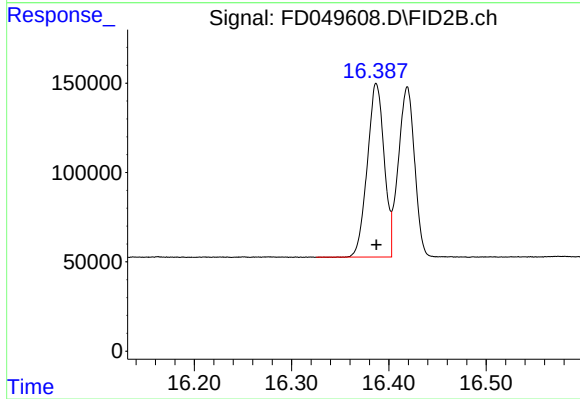
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.837 min
Delta R.T.: 0.000 min
Response: 1177863
Conc: 10.08 ug/ml



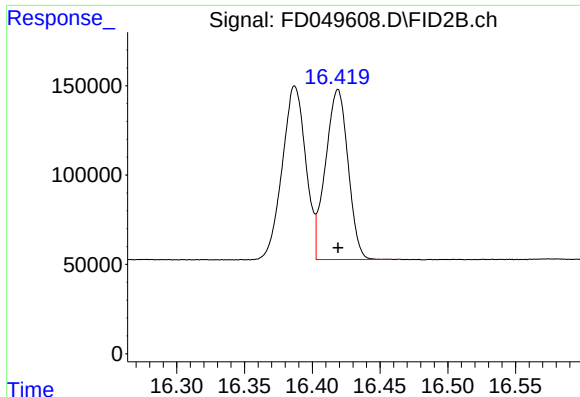
#15 Chrysene (C27.41)

R.T.: 14.879 min
Delta R.T.: 0.000 min
Response: 1195016
Conc: 10.09 ug/ml



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

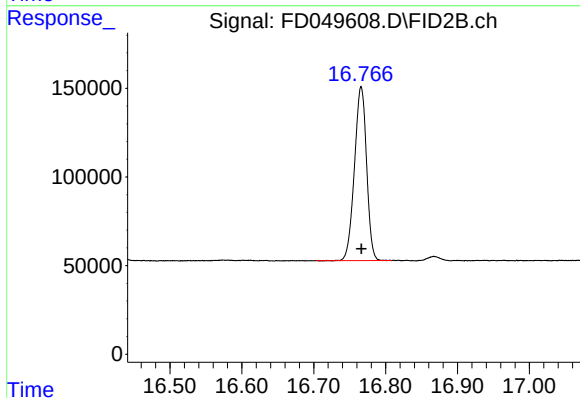
R.T.: 16.387 min
Delta R.T.: 0.000 min
Response: 1167896
Conc: 10.22 ug/ml



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

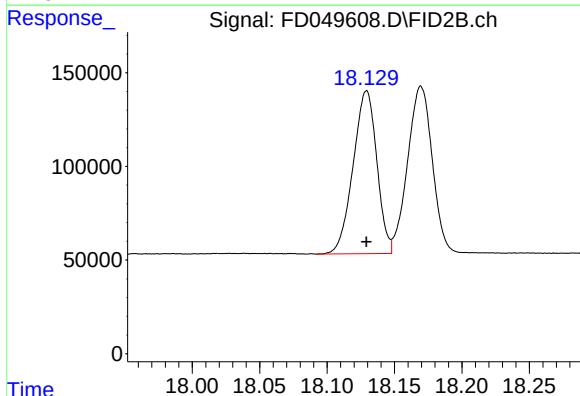
R.T.: 16.419 min
Delta R.T.: 0.000 min
Response: 1101425
Conc: 10.26 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



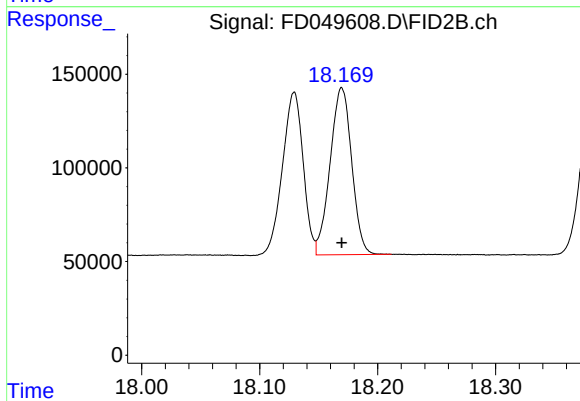
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.766 min
Delta R.T.: 0.000 min
Response: 1147311
Conc: 10.30 ug/ml



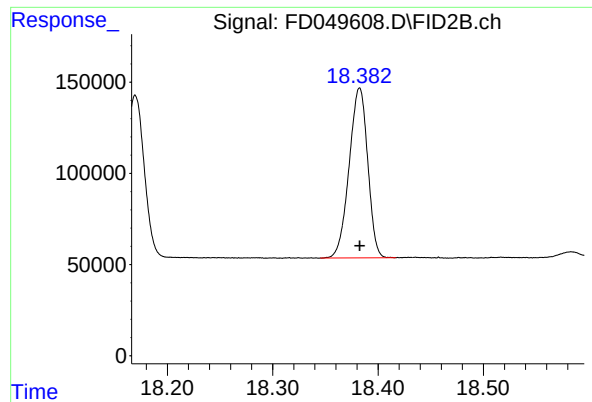
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.129 min
Delta R.T.: 0.000 min
Response: 1064699
Conc: 10.28 ug/ml



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

R.T.: 18.170 min
Delta R.T.: 0.000 min
Response: 1136118
Conc: 10.62 ug/ml



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

R.T.: 18.383 min
Delta R.T.: 0.000 min
Response: 1140495
Conc: 10.43 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049608.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:51
 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 081125.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	4.508	4.465	4.550	BB	124203	1067057	78.82%	4.268%
2	6.051	6.000	6.088	BB	133593	1192429	88.08%	4.769%
3	7.104	7.055	7.142	BB	132072	1240342	91.61%	4.961%
4	7.714	7.658	7.753	BB	112547	1068284	78.91%	4.273%
5	8.382	8.337	8.413	BB	136232	1305549	96.43%	5.222%
6	8.578	8.528	8.610	BB	78021	754720	55.75%	3.019%
7	8.677	8.618	8.710	BB	136385	1308639	96.66%	5.234%
8	9.459	9.402	9.493	BB	132485	1317291	97.30%	5.269%
9	10.857	10.765	10.895	BB	129368	1346915	99.49%	5.387%
10	10.931	10.898	10.980	BB	124483	1285725	94.97%	5.143%
11	11.624	11.563	11.658	BB	130213	1353873	100.00%	5.415%
12	12.669	12.568	12.710	BB	122744	1323090	97.73%	5.292%
13	12.967	12.912	13.005	BB	120343	1307166	96.55%	5.228%
14	14.837	14.778	14.858	BV	99690	1177863	87.00%	4.711%
15	14.879	14.858	14.918	VB	107084	1195016	88.27%	4.780%
16	16.387	16.325	16.403	BV	97212	1167896	86.26%	4.671%
17	16.419	16.403	16.458	VB	95169	1101425	81.35%	4.405%
18	16.766	16.703	16.808	BB	98091	1147311	84.74%	4.589%
19	18.129	18.092	18.148	BV	87037	1064699	78.64%	4.258%
20	18.170	18.148	18.212	VB	89131	1136118	83.92%	4.544%
21	18.383	18.345	18.417	BB	93255	1140495	84.24%	4.562%
Sum of corrected areas:						25001902		

Aromatic EPH 081125.M Mon Aug 11 14:17:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049609.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 13:35
 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: Aug 11 14:11:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:17 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...	7.714	489176	4.773 ug/ml
Spiked Amount 50.000		Recovery =	9.55%
6) S 2-Fluorobiphenyl (SURR)	8.578	347680	4.760 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.52%
11) S ortho-Terphenyl (SURR)	11.623	633269	4.879 ug/ml
Spiked Amount 50.000		Recovery =	9.76%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.509	496869	4.909 ug/ml
2) T Naphthalene (C11.7)	6.052	556463	4.853 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	572023	4.795 ug/ml
5) T Acenaphthylene (C15.06)	8.381	608871	4.843 ug/ml
7) T Acenaphthene (C15.5)	8.677	608171	4.837 ug/ml
8) T Flouorene (C16.55)	9.458	606295	4.789 ug/ml
9) T Phenanthrene (C19.36)	10.856	610414	4.725 ug/ml
10) T Anthracene (C19.43)	10.930	577291	4.686 ug/ml
12) T Fluoranthene (C21.85)	12.669	606942	4.741 ug/ml
13) T Pyrene (C20.8)	12.966	601676	4.739 ug/ml
14) T Benzo[a]anthracene (C...	14.836	548941	4.757 ug/ml
15) T Chrysene (C27.41)	14.878	559500	4.779 ug/ml
16) T benzo[b]fluoranthene ...	16.386	558498	4.911 ug/ml
17) T Bnezo[k]fluoranthene ...	16.416	528624	4.938 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.764	545214	4.915 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	505114	4.900 ug/ml
20) T Dibenz[a,h]anthracene...	18.168	584886	5.366 ug/ml
21) T Benzo[g,h,i]perylene ...	18.380	544133	4.979 ug/ml

(f)=RT Delta > 1/2 Window

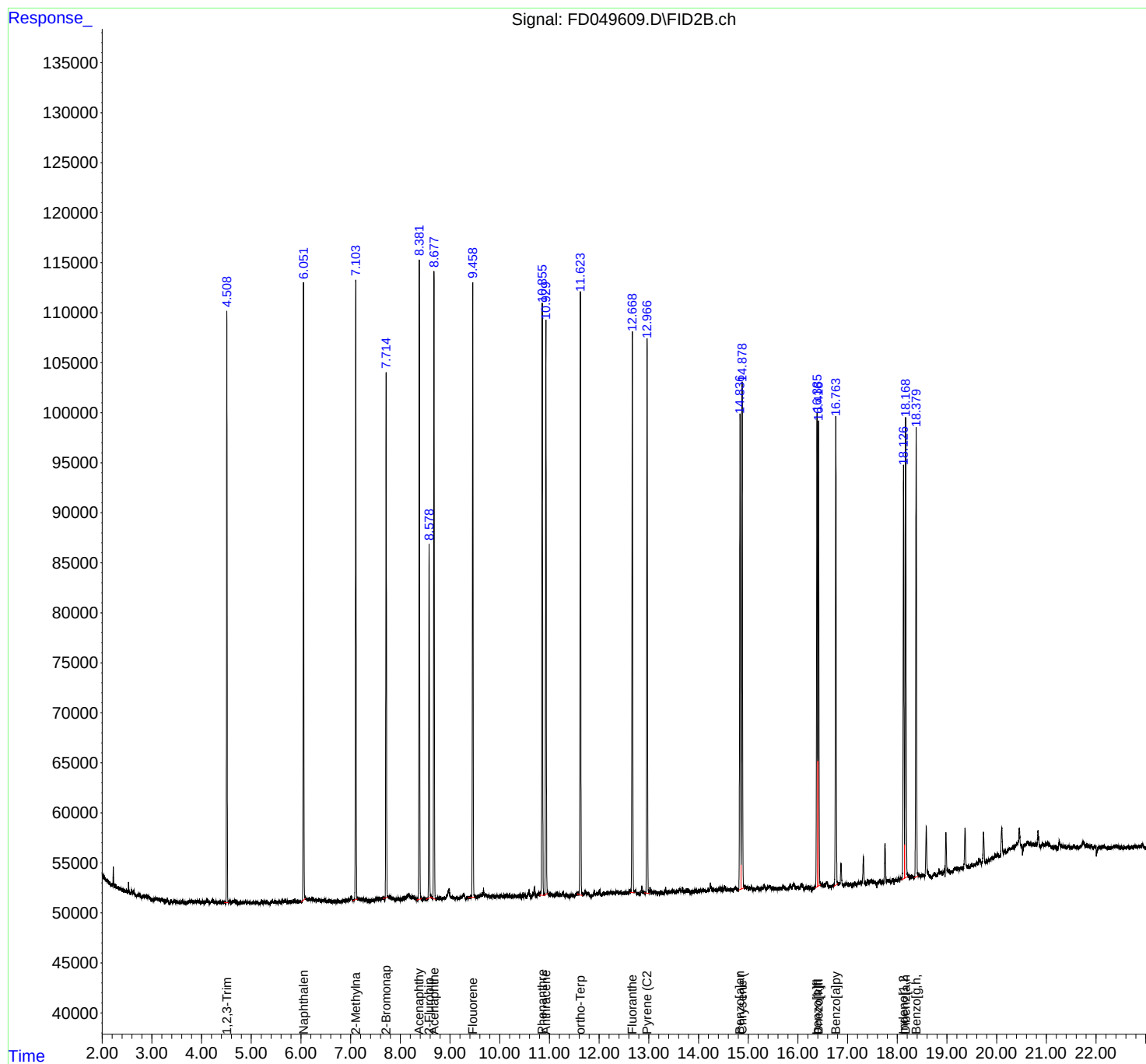
(m)=manual int.

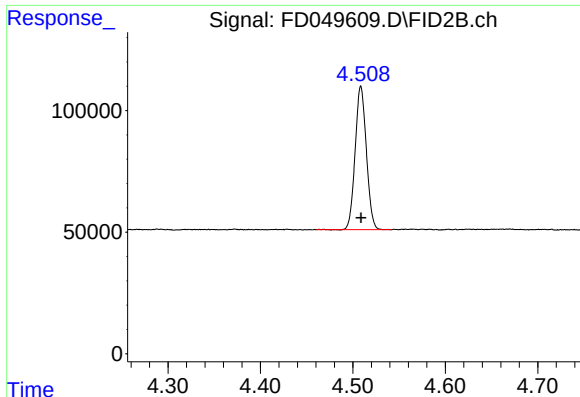
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049609.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 13:35
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 11 14:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

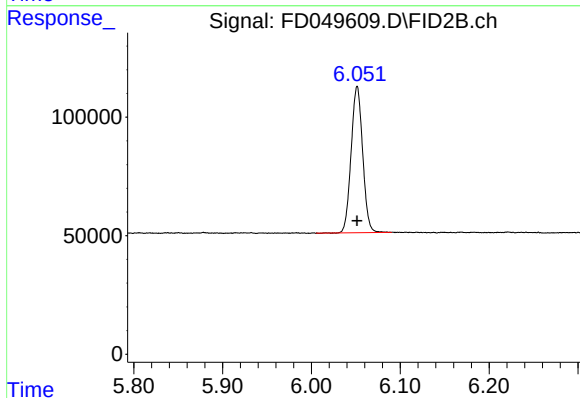




#1 1,2,3-Trimethylbenzene (C10.1)

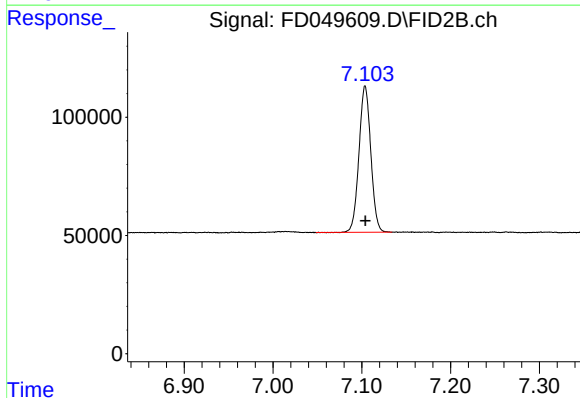
R.T.: 4.509 min
Delta R.T.: 0.000 min
Response: 496869
Conc: 4.91 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



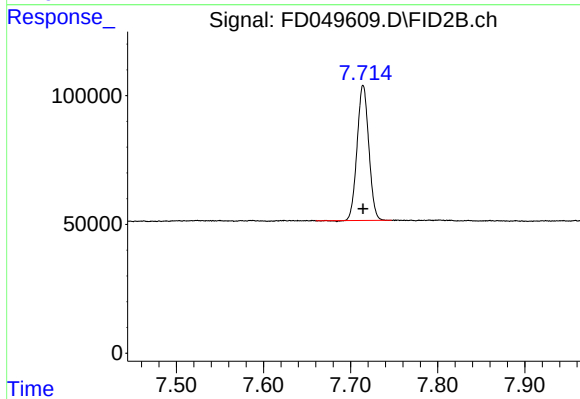
#2 Naphthalene (C11.7)

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 556463
Conc: 4.85 ug/ml



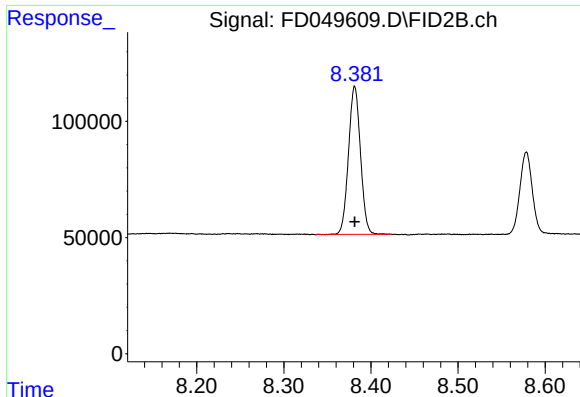
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 572023
Conc: 4.80 ug/ml



#4 2-Bromonaphthalene (SURR)

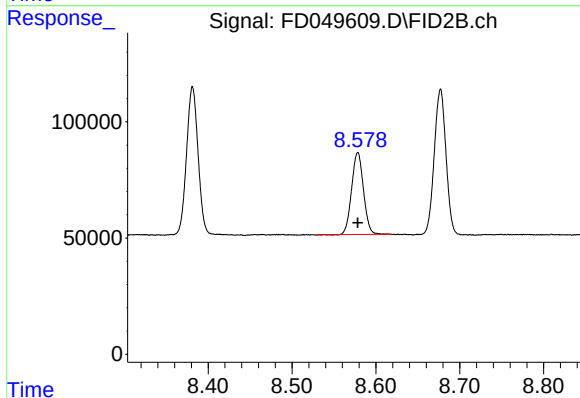
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 489176
Conc: 4.77 ug/ml



#5 Acenaphthylene (C15.06)

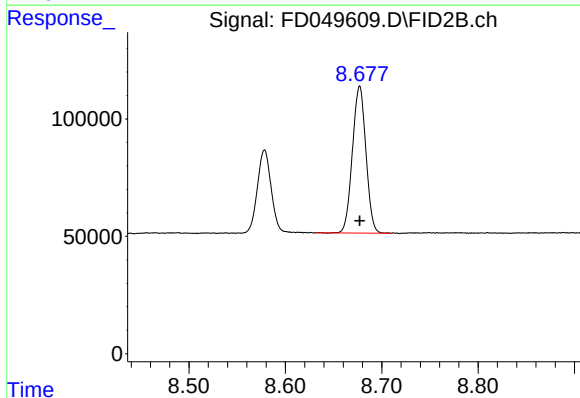
R.T.: 8.381 min
Delta R.T.: 0.000 min
Response: 608871
Conc: 4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



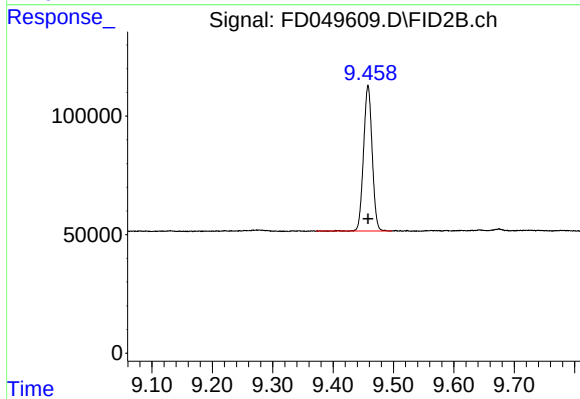
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.578 min
Delta R.T.: 0.000 min
Response: 347680
Conc: 4.76 ug/ml



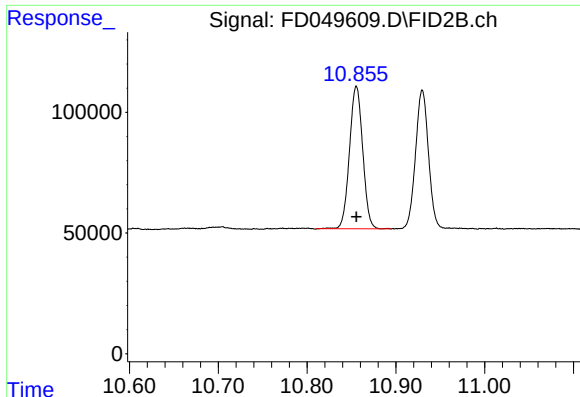
#7 Acenaphthene (C15.5)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 608171
Conc: 4.84 ug/ml



#8 Fluorene (C16.55)

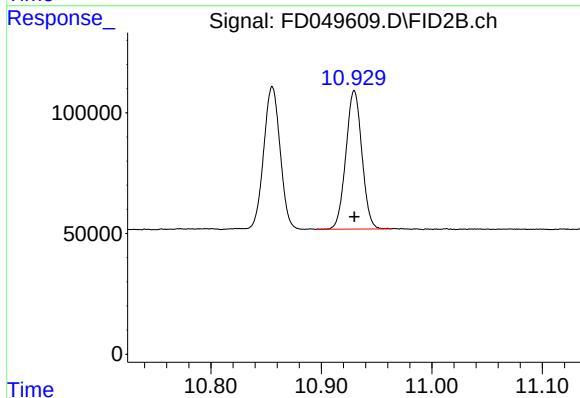
R.T.: 9.458 min
Delta R.T.: 0.000 min
Response: 606295
Conc: 4.79 ug/ml



#9 Phenanthrene (C19.36)

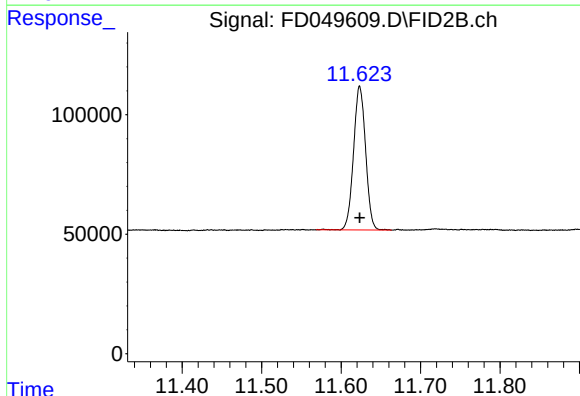
R.T.: 10.856 min
Delta R.T.: 0.000 min
Response: 610414
Conc: 4.73 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



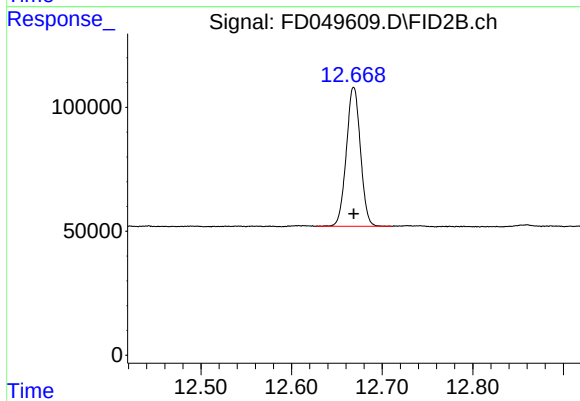
#10 Anthracene (C19.43)

R.T.: 10.930 min
Delta R.T.: 0.000 min
Response: 577291
Conc: 4.69 ug/ml



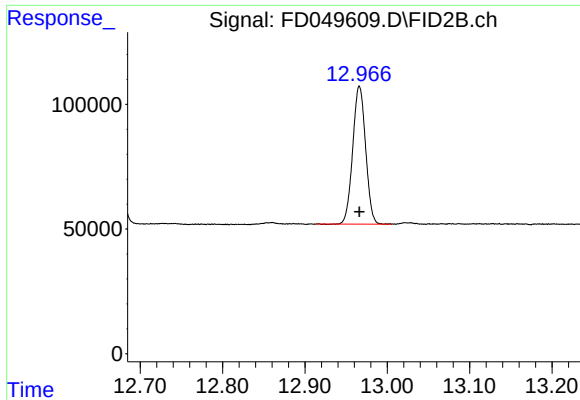
#11 ortho-Terphenyl (SURR)

R.T.: 11.623 min
Delta R.T.: 0.000 min
Response: 633269
Conc: 4.88 ug/ml



#12 Fluoranthene (C21.85)

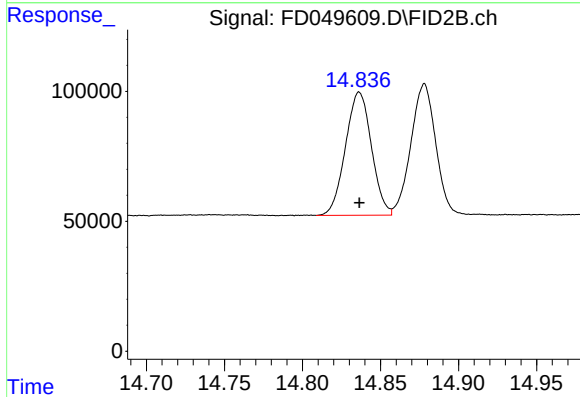
R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 606942
Conc: 4.74 ug/ml



#13 Pyrene (C20.8)

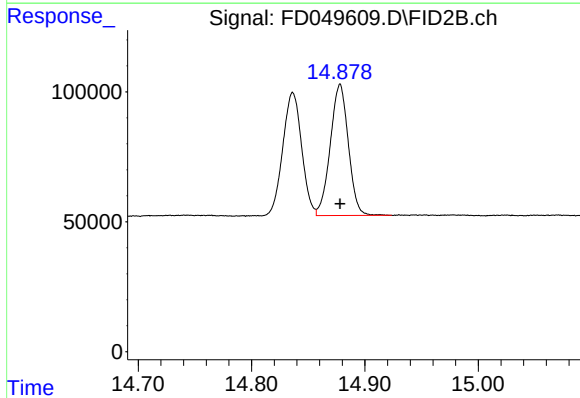
R.T.: 12.966 min
Delta R.T.: 0.000 min
Response: 601676
Conc: 4.74 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



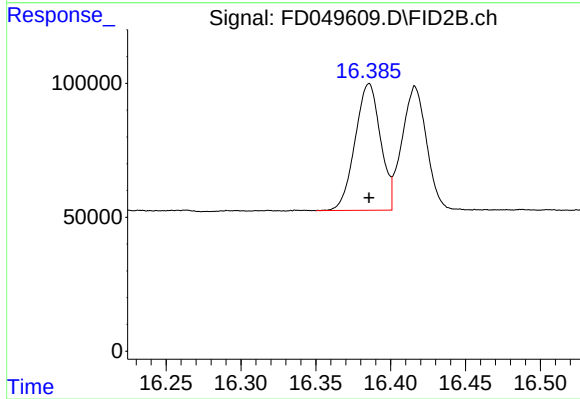
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.836 min
Delta R.T.: 0.000 min
Response: 548941
Conc: 4.76 ug/ml



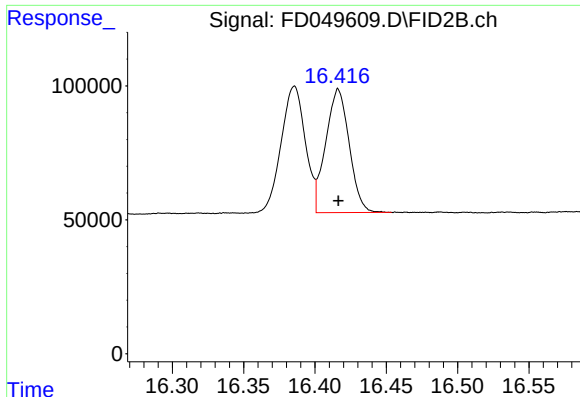
#15 Chrysene (C27.41)

R.T.: 14.878 min
Delta R.T.: 0.000 min
Response: 559500
Conc: 4.78 ug/ml



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

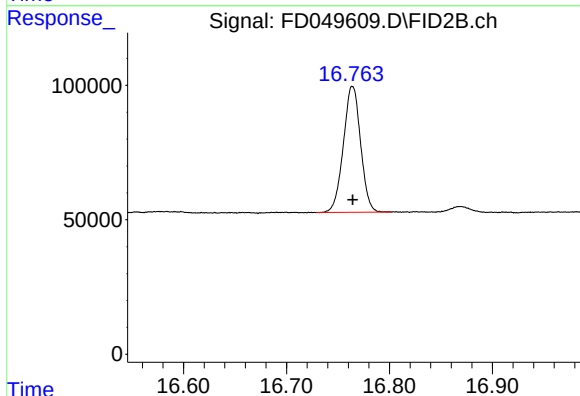
R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 558498
Conc: 4.91 ug/ml



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

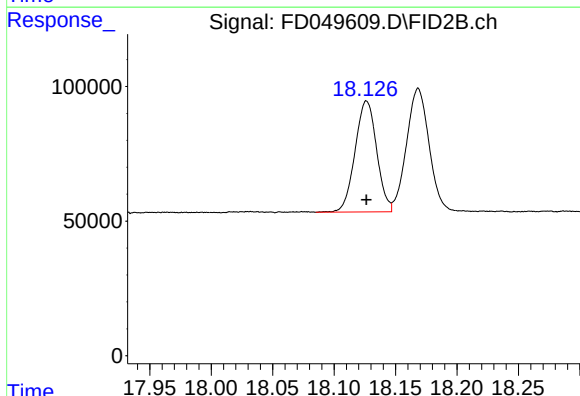
R.T.: 16.416 min
Delta R.T.: 0.000 min
Response: 528624
Conc: 4.94 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



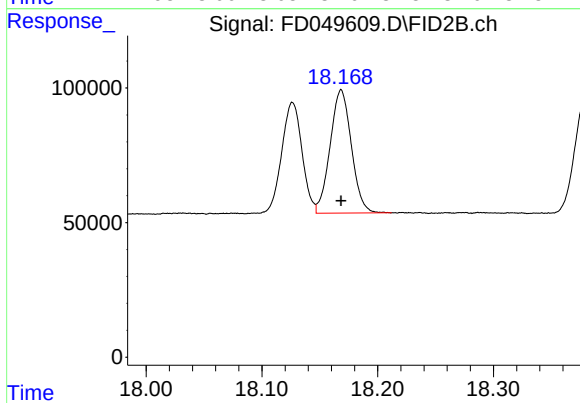
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.764 min
Delta R.T.: 0.000 min
Response: 545214
Conc: 4.91 ug/ml



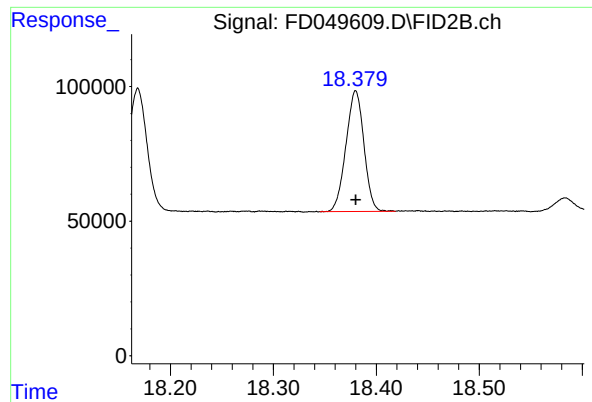
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.126 min
Delta R.T.: 0.000 min
Response: 505114
Conc: 4.90 ug/ml



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

R.T.: 18.168 min
Delta R.T.: 0.000 min
Response: 584886
Conc: 5.37 ug/ml



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

R.T.: 18.380 min
Delta R.T.: 0.000 min
Response: 544133
Conc: 4.98 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049609.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 13:35
 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 081125.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	4.509	4.460	4.542	BB	58983	496869	78.46%	4.250%
2	6.052	6.005	6.090	BB	61904	556463	87.87%	4.760%
3	7.104	7.049	7.134	BB	61965	572023	90.33%	4.893%
4	7.714	7.660	7.747	BB	52619	489176	77.25%	4.185%
5	8.381	8.337	8.424	BB	63651	608871	96.15%	5.208%
6	8.578	8.529	8.619	BB	35392	347680	54.90%	2.974%
7	8.677	8.632	8.710	BB	62726	608171	96.04%	5.202%
8	9.458	9.372	9.497	BB	61426	606295	95.74%	5.186%
9	10.856	10.810	10.895	BB	59128	610414	96.39%	5.222%
10	10.930	10.895	10.964	BB	57372	577291	91.16%	4.938%
11	11.623	11.569	11.664	BB	60145	633269	100.00%	5.417%
12	12.669	12.627	12.710	BB	56100	606942	95.84%	5.192%
13	12.966	12.914	13.005	BB	55412	601676	95.01%	5.147%
14	14.836	14.809	14.857	BV	47365	548941	86.68%	4.696%
15	14.878	14.857	14.924	VB	50761	559500	88.35%	4.786%
16	16.386	16.350	16.401	BV	47301	558498	88.19%	4.778%
17	16.416	16.401	16.454	VB	46025	528624	83.48%	4.522%
18	16.764	16.729	16.802	BB	46885	545214	86.10%	4.664%
19	18.126	18.085	18.147	BV	41217	505114	79.76%	4.321%
20	18.168	18.147	18.212	VB	45951	584886	92.36%	5.003%
21	18.380	18.345	18.419	BB	44914	544133	85.92%	4.655%
Sum of corrected areas:							11690051	

Aromatic EPH 081125.M Mon Aug 11 14:18:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049610.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 14:20
 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: Aug 11 14:41:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.714	1993626	19.452 ug/ml
Spiked Amount 50.000		Recovery =	38.90%
6) S 2-Fluorobiphenyl (SURR)	8.579	1416425	19.391 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.78%
11) S ortho-Terphenyl (SURR)	11.624	2524095	19.447 ug/ml
Spiked Amount 50.000		Recovery =	38.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	1969226	19.455 ug/ml
2) T Naphthalene (C11.7)	6.050	2224882	19.404 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	2316479	19.418 ug/ml
5) T Acenaphthylene (C15.06)	8.382	2441662	19.423 ug/ml
7) T Acenaphthene (C15.5)	8.678	2442527	19.426 ug/ml
8) T Flouorene (C16.55)	9.459	2466026	19.477 ug/ml
9) T Phenanthrene (C19.36)	10.858	2532616	19.606 ug/ml
10) T Anthracene (C19.43)	10.932	2405056	19.523 ug/ml
12) T Fluoranthene (C21.85)	12.671	2533895	19.793 ug/ml
13) T Pyrene (C20.8)	12.969	2519170	19.841 ug/ml
14) T Benzo[a]anthracene (C...	14.840	2306029	19.984 ug/ml
15) T Chrysene (C27.41)	14.883	2341897	20.002 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2277743	20.027 ug/ml
17) T Bnezo[k]fluoranthene ...	16.423	2148998	20.075 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2225633	20.062 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.134	2048513	19.873 ug/ml
20) T Dibenz[a,h]anthracene...	18.174	2182504	20.023 ug/ml
21) T Benzo[g,h,i]perylene ...	18.389	2213783	20.259 ug/ml

(f)=RT Delta > 1/2 Window

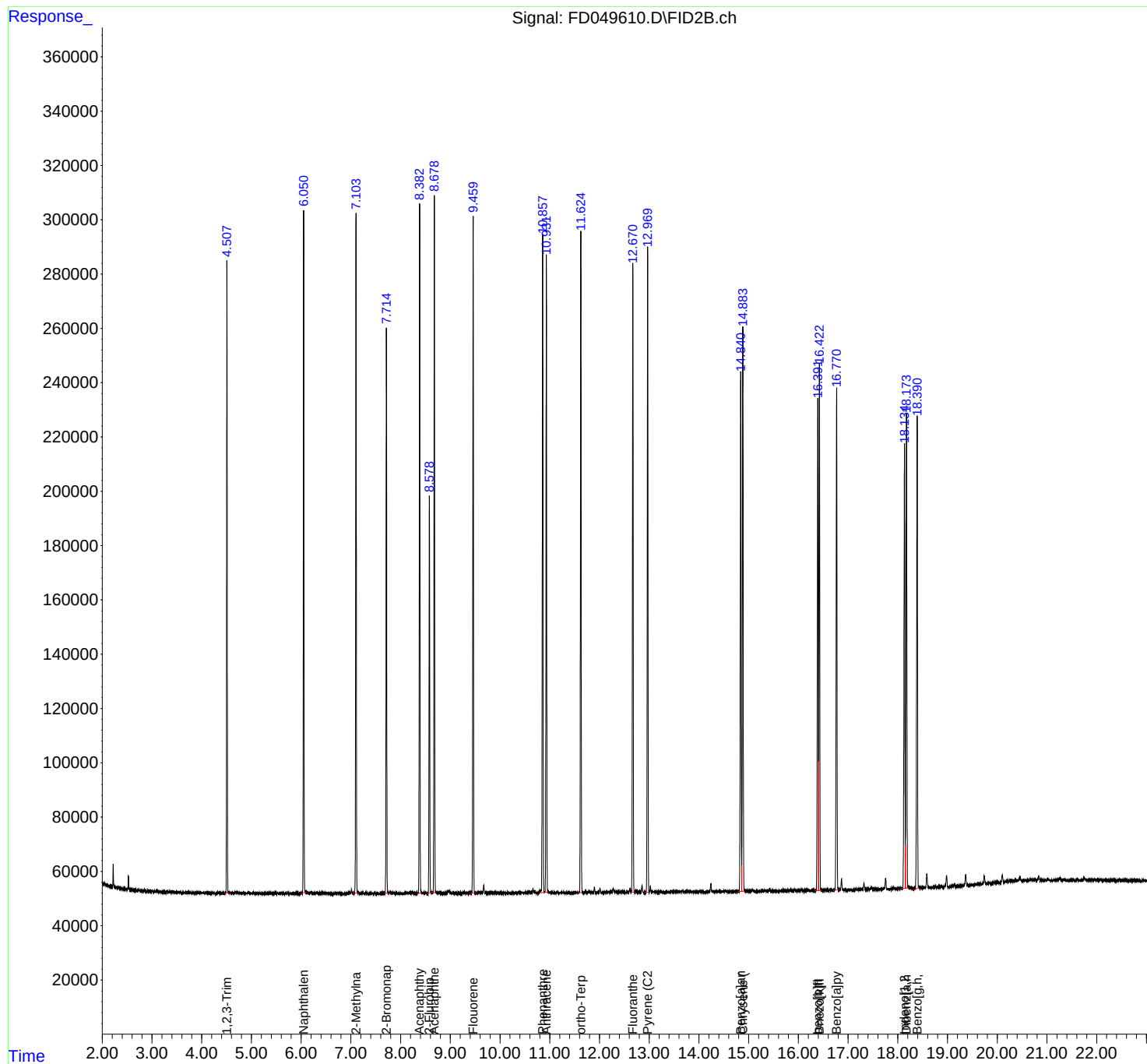
(m)=manual int.

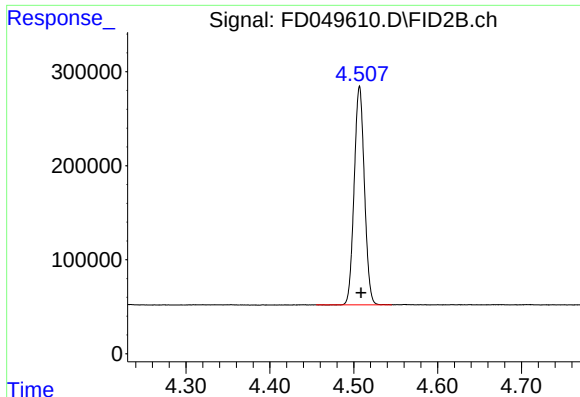
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049610.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 14:20
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 11 14:41:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

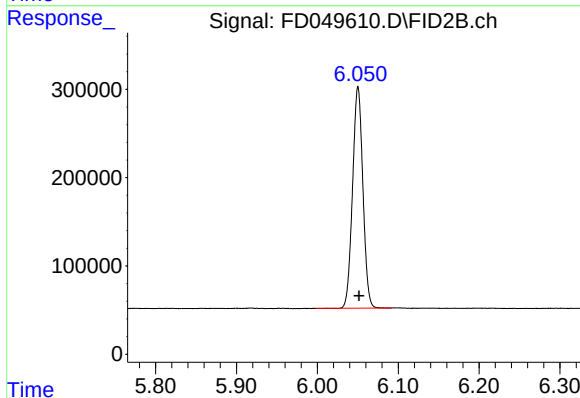




#1 1,2,3-Trimethylbenzene (C10.1)

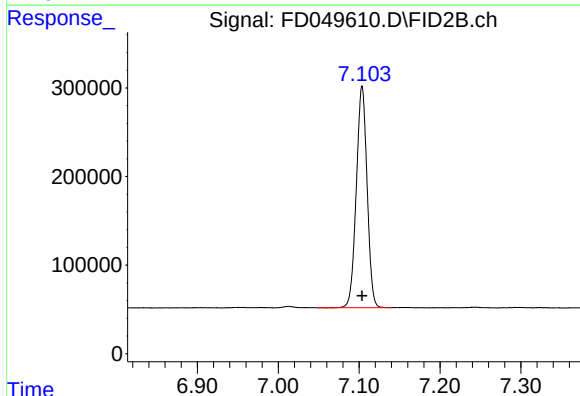
R.T.: 4.507 min
Delta R.T.: -0.002 min
Response: 1969226
Conc: 19.45 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



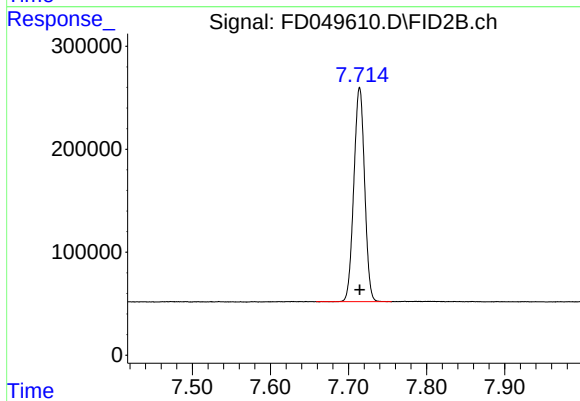
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.001 min
Response: 2224882
Conc: 19.40 ug/ml



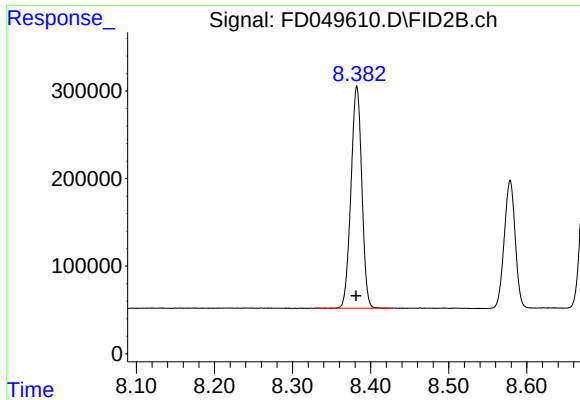
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 2316479
Conc: 19.42 ug/ml



#4 2-Bromonaphthalene (SURR)

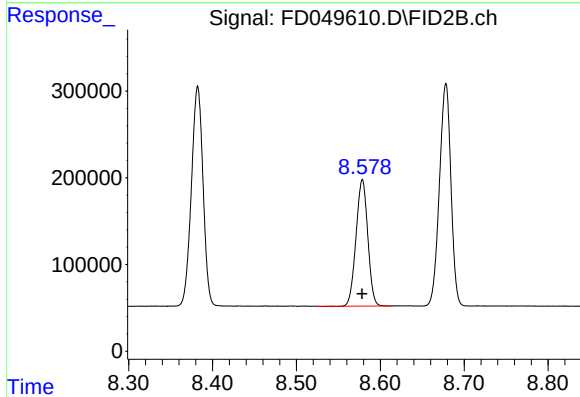
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 1993626
Conc: 19.45 ug/ml



#5 Acenaphthylene (C15.06)

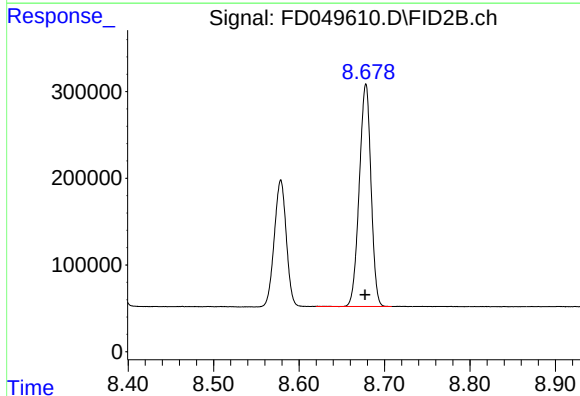
R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 2441662
Conc: 19.42 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



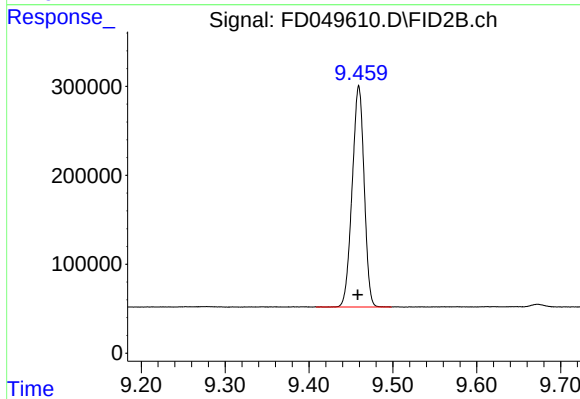
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 1416425
Conc: 19.39 ug/ml



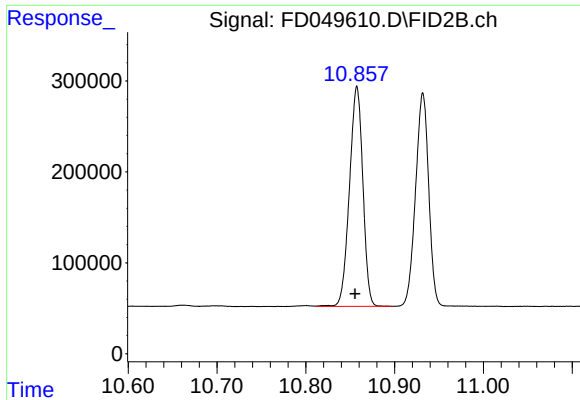
#7 Acenaphthene (C15.5)

R.T.: 8.678 min
Delta R.T.: 0.001 min
Response: 2442527
Conc: 19.43 ug/ml



#8 Fluorene (C16.55)

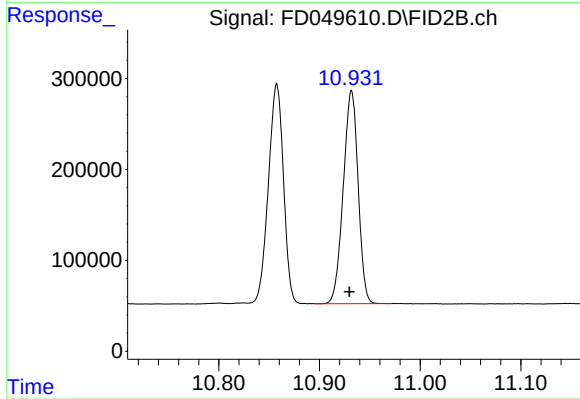
R.T.: 9.459 min
Delta R.T.: 0.001 min
Response: 2466026
Conc: 19.48 ug/ml



#9 Phenanthrene (C19.36)

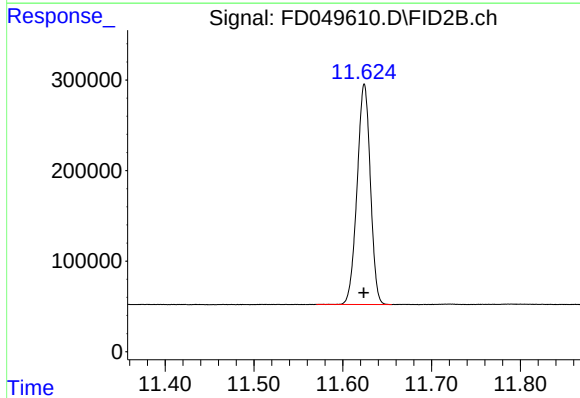
R.T.: 10.858 min
Delta R.T.: 0.002 min
Response: 2532616
Conc: 19.61 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



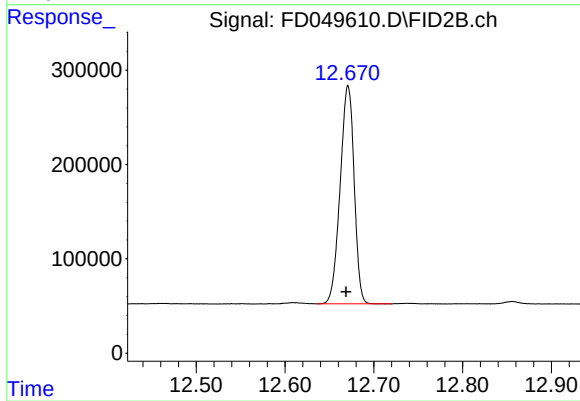
#10 Anthracene (C19.43)

R.T.: 10.932 min
Delta R.T.: 0.002 min
Response: 2405056
Conc: 19.52 ug/ml



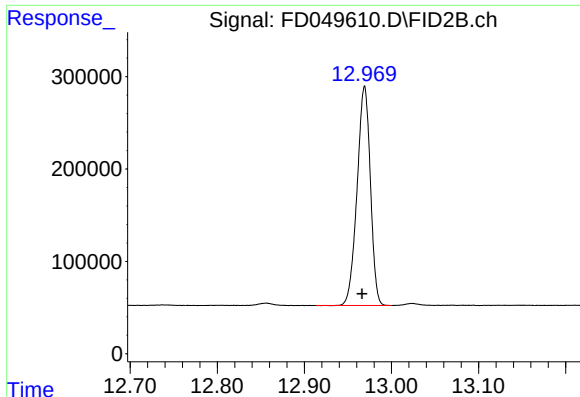
#11 ortho-Terphenyl (SURR)

R.T.: 11.624 min
Delta R.T.: 0.000 min
Response: 2524095
Conc: 19.45 ug/ml



#12 Fluoranthene (C21.85)

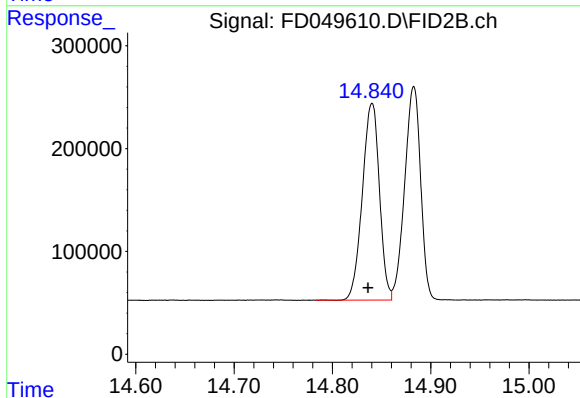
R.T.: 12.671 min
Delta R.T.: 0.002 min
Response: 2533895
Conc: 19.79 ug/ml



#13 Pyrene (C20.8)

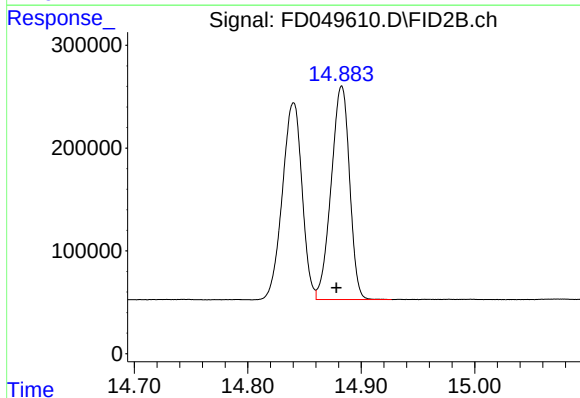
R.T.: 12.969 min
Delta R.T.: 0.003 min
Response: 2519170
Conc: 19.84 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



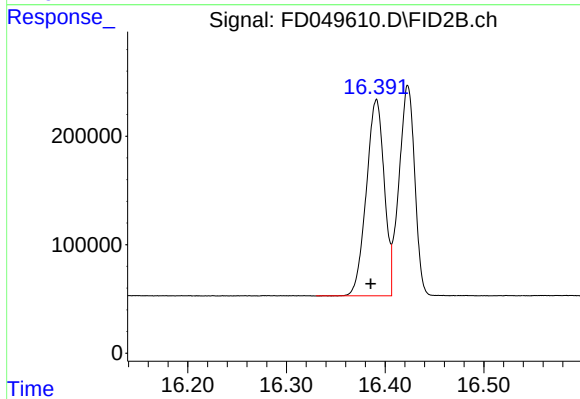
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.840 min
Delta R.T.: 0.004 min
Response: 2306029
Conc: 19.98 ug/ml



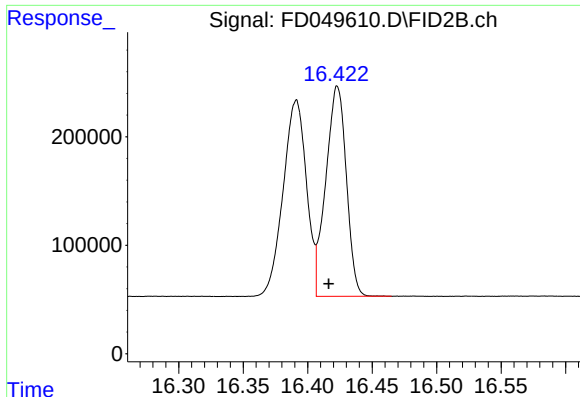
#15 Chrysene (C27.41)

R.T.: 14.883 min
Delta R.T.: 0.005 min
Response: 2341897
Conc: 20.00 ug/ml



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

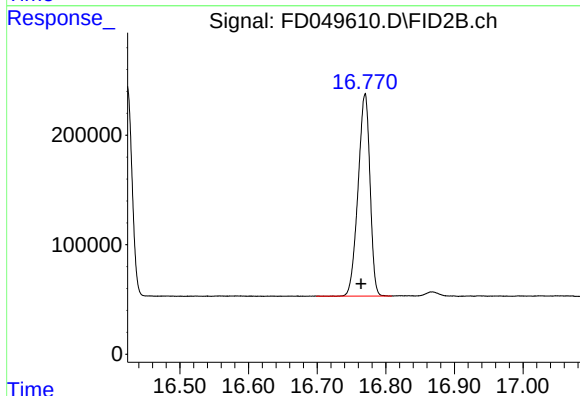
R.T.: 16.391 min
Delta R.T.: 0.006 min
Response: 2277743
Conc: 20.03 ug/ml



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

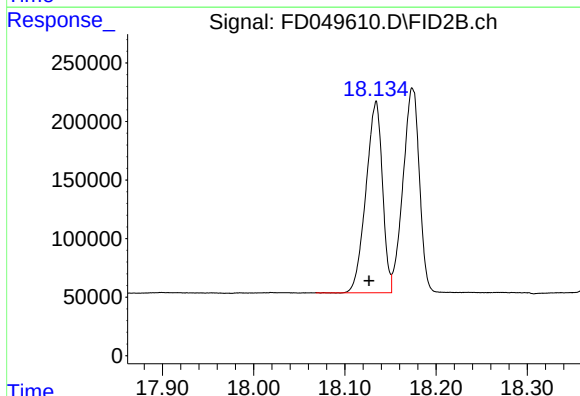
R.T.: 16.423 min
Delta R.T.: 0.007 min
Response: 2148998
Conc: 20.08 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



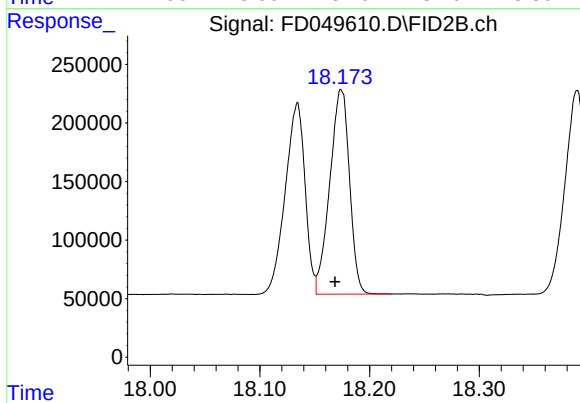
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.770 min
Delta R.T.: 0.006 min
Response: 2225633
Conc: 20.06 ug/ml



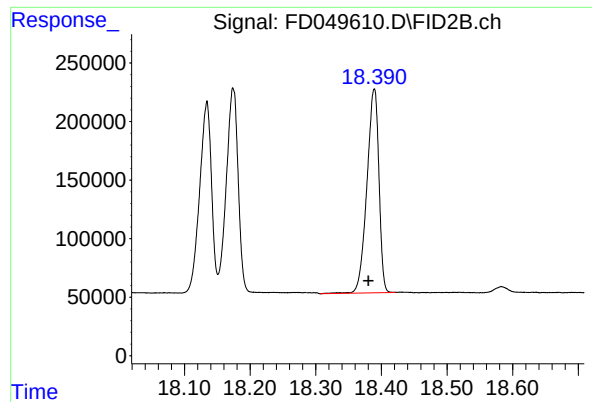
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.134 min
Delta R.T.: 0.008 min
Response: 2048513
Conc: 19.87 ug/ml



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

R.T.: 18.174 min
Delta R.T.: 0.006 min
Response: 2182504
Conc: 20.02 ug/ml



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

R.T.: 18.389 min
Delta R.T.: 0.009 min
Response: 2213783
Conc: 20.26 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049610.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 14:20
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.507	4.455	4.545	BB	232408	1969226	77.72%	4.143%
2	6.050	5.998	6.092	BB	251071	2224882	87.80%	4.681%
3	7.104	7.047	7.140	BB	250353	2316479	91.42%	4.874%
4	7.714	7.658	7.755	BB	208160	1993626	78.68%	4.194%
5	8.382	8.330	8.427	BB	253345	2441662	96.36%	5.137%
6	8.579	8.523	8.613	BB	146038	1416425	55.90%	2.980%
7	8.678	8.620	8.708	BB	256974	2442527	96.39%	5.139%
8	9.459	9.408	9.498	BB	248296	2466026	97.32%	5.188%
9	10.858	10.812	10.897	VV	241385	2532616	99.95%	5.328%
10	10.932	10.897	10.972	PB	234713	2405056	94.92%	5.060%
11	11.624	11.570	11.655	BB	243695	2524095	99.61%	5.310%
12	12.671	12.635	12.720	BB	231074	2533895	100.00%	5.331%
13	12.969	12.913	13.000	BV	236843	2519170	99.42%	5.300%
14	14.840	14.783	14.860	BV	191449	2306029	91.01%	4.852%
15	14.883	14.860	14.927	VB	208095	2341897	92.42%	4.927%
16	16.391	16.330	16.407	BV	181654	2277743	89.89%	4.792%
17	16.423	16.407	16.465	VB	193581	2148998	84.81%	4.521%
18	16.770	16.698	16.808	BB	184894	2225633	87.83%	4.683%
19	18.134	18.068	18.151	BV	162549	2048513	80.84%	4.310%
20	18.174	18.151	18.220	VB	175131	2182504	86.13%	4.592%
21	18.389	18.307	18.422	BB	174073	2213783	87.37%	4.658%
Sum of corrected areas:						47530784		

Aromatic EPH 081125.M Mon Aug 11 14:43:00 2025

Continuing Calibration Report for SequenceID : FC082225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069707.D

Aliphatic C16-C21	7360354.000	60.000	9.997	13.364	122672.567	133561.231	8.153
Aliphatic C21-C28	8628089.000	80.000	13.365	17.031	107851.113	118307.822	8.839
Aliphatic C9-C12	7904665.000	60.000	3.298	6.594	131744.417	144679.273	8.940
Aliphatic C12-C16	5271855.000	40.000	6.595	9.996	131796.375	143435.206	8.114
Aliphatic C28-C40	9905788.000	120.000	17.032	22.001	82548.233	95315.213	13.394
Aliphatic EPH	39070751.000	360.000	3.298	22.001	108529.864	120373.027	9.839

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Aug 2025 13:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069707.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.298	6.594	7904665.000	60.000	ug/ml
Aliphatic C12-C16	6.595	9.996	5271855.000	40.000	ug/ml
Aliphatic C16-C21	9.997	13.364	7360354.000	60.000	ug/ml
Aliphatic C21-C28	13.365	17.031	8628089.000	80.000	ug/ml
Aliphatic C28-C40	17.032	22.001	9905788.000	120.000	ug/ml
Aliphatic EPH	3.298	22.001	39070751.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069707.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 13:18
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2025
 Supervised By :mohammad ahmed 08/26/2025

Integration File: autoint1.e
 Quant Time: Aug 25 01:08:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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)	11.662	2754065	18.461 ug/ml
Spiked Amount 50.000		Recovery =	36.92%
12) S 1-chlorooctadecane (S...	13.098	1954672	17.929 ug/ml
Spiked Amount 50.000		Recovery =	35.86%
Target Compounds			
1) T n-Nonane (C9)	3.398	2586283	18.153 ug/ml
2) T n-Decane (C10)	4.470	2655839	18.268 ug/ml
3) T A~Naphthalene (C11.7)	6.064	2850501	18.371 ug/ml
4) T n-Dodecane (C12)	6.494	2662543	18.214 ug/ml
5) T A~2-methylnaphthalene...	7.122	2699955	18.333 ug/ml
6) T n-Tetradecane (C14)	8.292	2623334	18.382 ug/ml
7) T n-Hexadecane (C16)	9.896	2648521	18.372 ug/ml
8) T n-Octadecane (C18)	11.340	2601946	18.400 ug/ml
10) T n-Eicosane (C20)	12.652	2418459	18.359 ug/ml
11) T n-Heneicosane (C21)	13.264	2339949	18.346 ug/ml
13) T n-Docosane (C22)	13.852	2289824	18.330 ug/ml
14) T n-Tetracosane (C24)	14.956	2206515	18.285 ug/ml
15) T n-Hexacosane (C26)	15.979	2103308	18.203 ug/ml
16) T n-Octacosane (C28)	16.931	2028442	18.097 ug/ml
17) T n-Tricontane (C30)	17.819	2068782	18.069 ug/ml
18) T n-Dotriacontane (C32)	18.653	2022787	18.210 ug/ml
19) T n-Tetratriacontane (C34)	19.437	1835350	18.025 ug/ml
20) T n-Hexatriacontane (C36)	20.177	1550687	17.391 ug/ml
21) T n-Octatriacontane (C38)	20.942	1319819	16.407 ug/ml
22) T n-Tetracontane (C40)	21.901	1108363	14.802 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069707.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 13:18
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

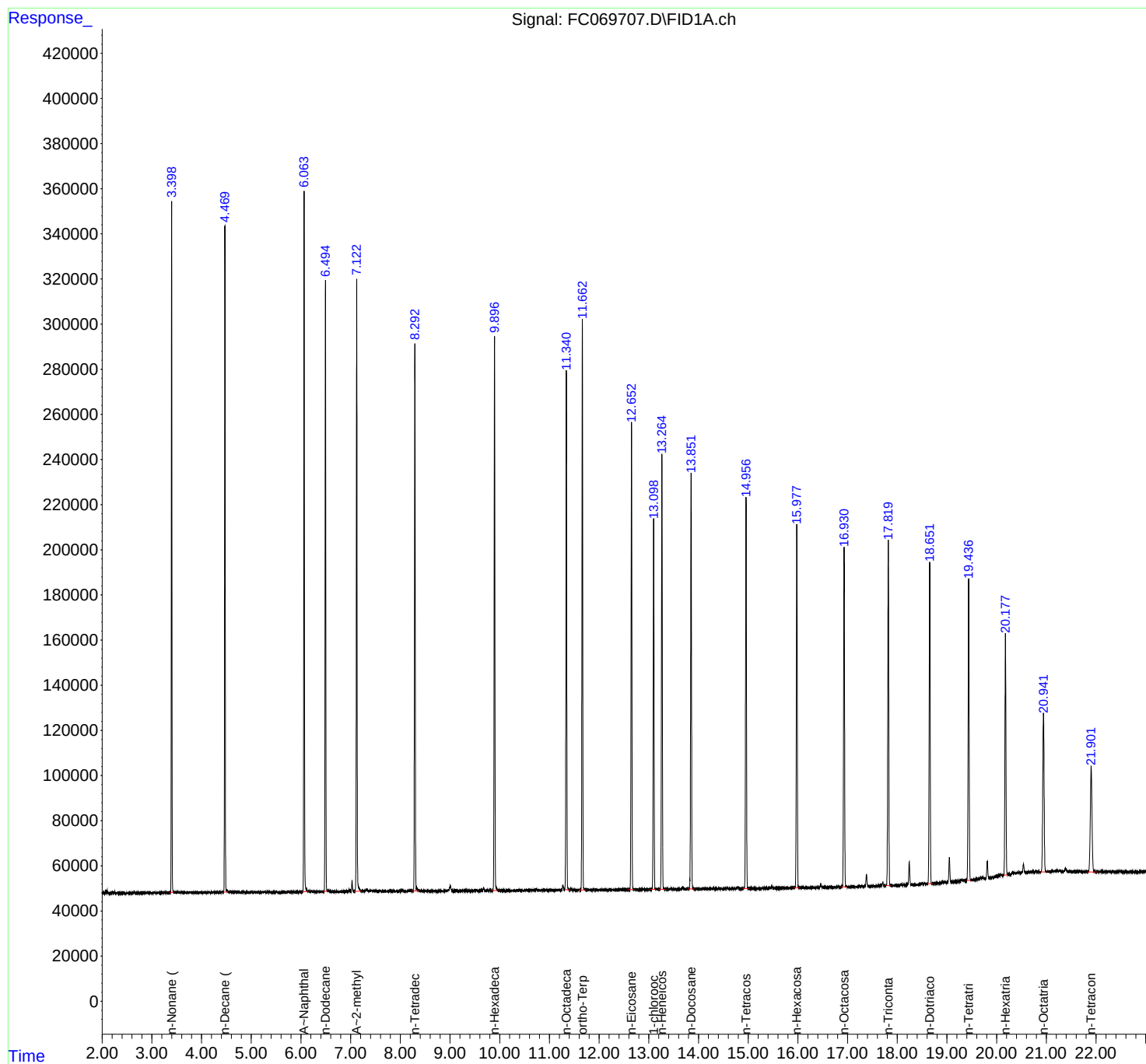
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File: autoint1.e
Quant Time: Aug 25 01:08:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC08222
Data File : FC069707.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 13:18
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 080125.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	3.398	3.362	3.445	BB	306696	2586283	90.73%	5.243%
2	4.470	4.435	4.525	BB	294134	2655839	93.17%	5.384%
3	6.064	6.032	6.144	BB	310146	2850501	100.00%	5.779%
4	6.494	6.457	6.530	BB	270672	2662543	93.41%	5.398%
5	7.122	7.077	7.224	BB	271239	2699955	94.72%	5.474%
6	8.292	8.237	8.365	BB	242302	2623334	92.03%	5.318%
7	9.896	9.837	9.965	BB	246240	2648521	92.91%	5.369%
8	11.340	11.310	11.402	BB	230171	2601946	91.28%	5.275%
9	11.662	11.597	11.727	BB	252882	2754065	96.62%	5.583%
10	12.652	12.584	12.702	BB	207735	2418459	84.84%	4.903%
11	13.098	13.039	13.137	BB	164689	1954672	68.57%	3.963%
12	13.264	13.204	13.317	BB	192646	2339949	82.09%	4.744%
13	13.852	13.789	13.910	BB	184462	2289824	80.33%	4.642%
14	14.956	14.889	15.010	BB	173250	2206515	77.41%	4.473%
15	15.979	15.920	16.027	BB	158720	2103308	73.79%	4.264%
16	16.931	16.869	16.979	BB	150385	2028442	71.16%	4.112%
17	17.819	17.780	17.860	BB	152860	2068782	72.58%	4.194%
18	18.653	18.610	18.705	BB	142539	2022787	70.96%	4.101%
19	19.437	19.400	19.485	BB	133423	1835350	64.39%	3.721%
20	20.177	20.140	20.219	BB	106911	1550687	54.40%	3.144%
21	20.942	20.890	20.992	BB	70390	1319819	46.30%	2.676%
22	21.901	21.840	21.989	BB	46765	1104324	38.74%	2.239%
Sum of corrected areas:						49325903		

Aliphatic EPH 080125.M Mon Aug 25 01:33:07 2025

Continuing Calibration Report for SequenceID : FC082225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069716.D

Aliphatic C16-C21	7520538.000	60.000	9.997	13.364	125342.300	133561.231	6.154
Aliphatic C21-C28	8793009.000	80.000	13.365	17.031	109912.613	118307.822	7.096
Aliphatic C9-C12	8250673.000	60.000	3.298	6.594	137511.217	144679.273	4.954
Aliphatic C12-C16	5467283.000	40.000	6.595	9.996	136682.075	143435.206	4.708
Aliphatic C28-C40	10712882.000	120.000	17.032	22.001	89274.017	95315.213	6.338
Aliphatic EPH	40744385.000	360.000	3.298	22.001	113178.847	120373.027	5.977

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Aug 2025 22:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069716.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.298	6.594	8250673.000	60.000	ug/ml
Aliphatic C12-C16	6.595	9.996	5467283.000	40.000	ug/ml
Aliphatic C16-C21	9.997	13.364	7520538.000	60.000	ug/ml
Aliphatic C21-C28	13.365	17.031	8793009.000	80.000	ug/ml
Aliphatic C28-C40	17.032	22.001	10712882.000	120.000	ug/ml
Aliphatic EPH	3.298	22.001	40744385.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069716.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 22:26
 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: Aug 25 01:11:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 14:14:17 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)	11.663	2784138	18.662 ug/ml
Spiked Amount 50.000		Recovery =	37.32%
12) S 1-chlorooctadecane (S...	13.097	2018868	18.518 ug/ml
Spiked Amount 50.000		Recovery =	37.04%
Target Compounds			
1) T n-Nonane (C9)	3.399	2701304	18.960 ug/ml
2) T n-Decane (C10)	4.470	2775195	19.089 ug/ml
3) T A~Naphthalene (C11.7)	6.064	2929964	18.883 ug/ml
4) T n-Dodecane (C12)	6.494	2774174	18.977 ug/ml
5) T A~2-methylnaphthalene...	7.123	2769926	18.808 ug/ml
6) T n-Tetradecane (C14)	8.293	2726241	19.103 ug/ml
7) T n-Hexadecane (C16)	9.896	2741042	19.014 ug/ml
8) T n-Octadecane (C18)	11.340	2671533	18.892 ug/ml
10) T n-Eicosane (C20)	12.651	2467388	18.731 ug/ml
11) T n-Heneicosane (C21)	13.265	2381617	18.673 ug/ml
13) T n-Docosane (C22)	13.852	2328044	18.636 ug/ml
14) T n-Tetracosane (C24)	14.956	2241316	18.574 ug/ml
15) T n-Hexacosane (C26)	15.979	2140296	18.523 ug/ml
16) T n-Octacosane (C28)	16.929	2083353	18.587 ug/ml
17) T n-Tricontane (C30)	17.818	2147788	18.759 ug/ml
18) T n-Dotriacontane (C32)	18.651	2134910	19.219 ug/ml
19) T n-Tetratriacontane (C34)	19.438	1961742	19.266 ug/ml
20) T n-Hexatriacontane (C36)	20.178	1690914	18.964 ug/ml
21) T n-Octatriacontane (C38)	20.941	1485754	18.470 ug/ml
22) T n-Tetracontane (C40)	21.902	1291774	17.251 ug/ml

(f)=RT Delta > 1/2 Window

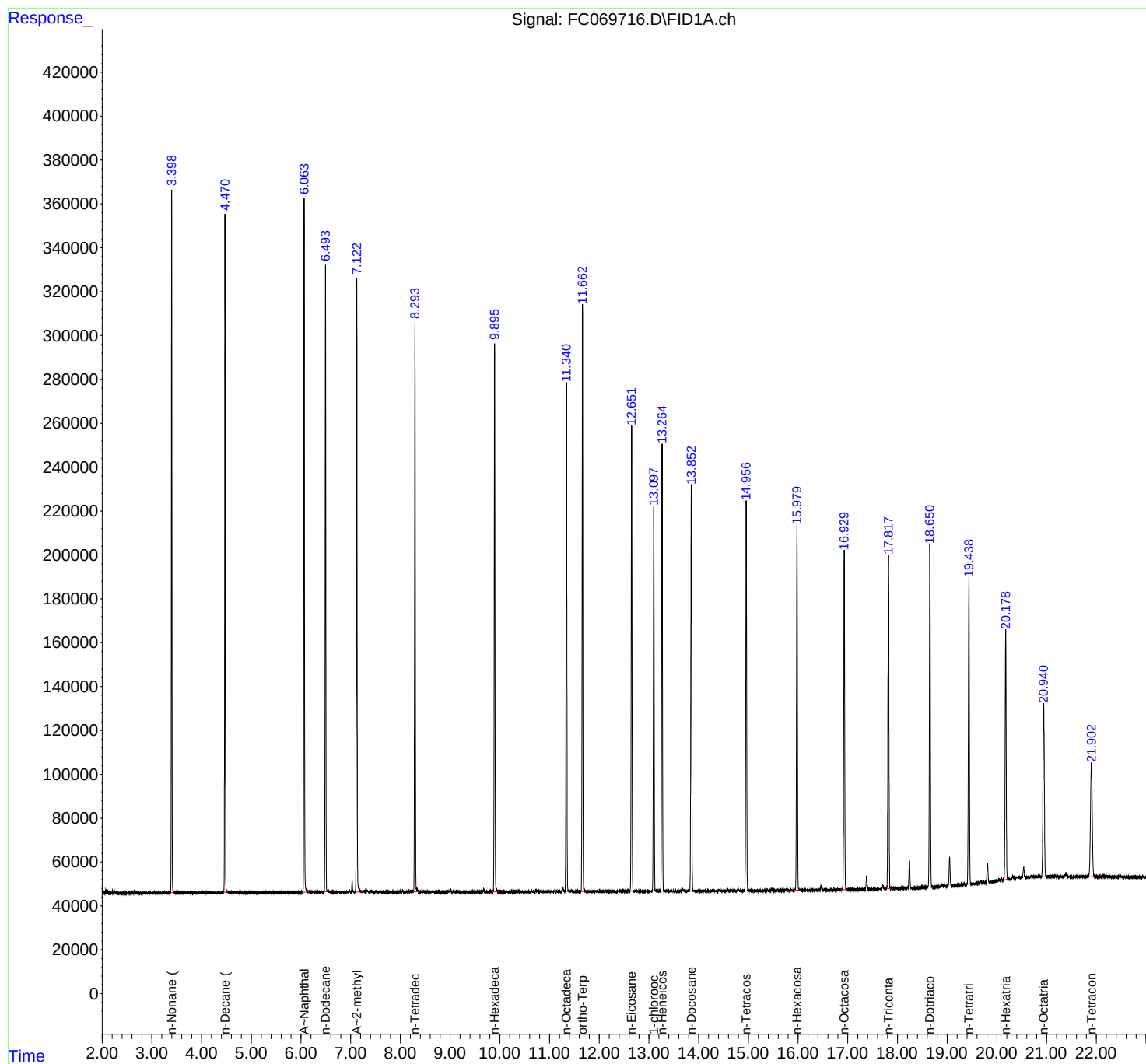
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069716.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 22:26
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: Aug 25 01:11:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082225AL\
 Data File : FC069716.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 22:26
 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 080125.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	3.399	3.369	3.450	BB	320665	2701304	92.20%	5.271%
2	4.470	4.437	4.527	BB	308975	2775195	94.72%	5.415%
3	6.064	6.030	6.140	BB	315379	2929964	100.00%	5.717%
4	6.494	6.457	6.527	BB	285852	2774174	94.68%	5.413%
5	7.123	7.079	7.217	BB	278939	2769926	94.54%	5.405%
6	8.293	8.257	8.364	BB	260361	2726241	93.05%	5.320%
7	9.896	9.835	9.975	BB	250002	2741042	93.55%	5.349%
8	11.340	11.310	11.402	BB	231517	2671533	91.18%	5.213%
9	11.663	11.627	11.727	BB	267110	2784138	95.02%	5.433%
10	12.651	12.597	12.699	BB	212441	2467388	84.21%	4.815%
11	13.097	13.047	13.150	BB	174899	2018868	68.90%	3.939%
12	13.265	13.227	13.314	BB	203608	2381617	81.28%	4.647%
13	13.852	13.789	13.912	BB	185054	2328044	79.46%	4.543%
14	14.956	14.889	15.009	BB	177422	2241316	76.50%	4.374%
15	15.979	15.912	16.032	BB	166719	2140296	73.05%	4.176%
16	16.929	16.855	16.992	BB	153917	2083353	71.11%	4.065%
17	17.818	17.780	17.864	BB	151521	2147788	73.30%	4.191%
18	18.651	18.610	18.704	BB	156045	2134910	72.86%	4.166%
19	19.438	19.400	19.477	BB	139098	1961742	66.95%	3.828%
20	20.178	20.140	20.219	BB	113617	1690914	57.71%	3.300%
21	20.941	20.890	21.017	BB	78736	1485754	50.71%	2.899%
22	21.902	21.840	21.984	BB	51875	1291774	44.09%	2.521%
Sum of corrected areas:							51247280	

Aliphatic EPH 080125.M Mon Aug 25 01:37:43 2025

Continuing Calibration Report for SequenceID : FC082525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069719.D

Aliphatic C28-C40	11205611.000	120.000	17.032	22.006	93380.092	95315.213	2.030
Aliphatic C9-C12	8443573.000	60.000	3.297	6.594	140726.217	144679.273	2.732
Aliphatic C12-C16	5712512.000	40.000	6.595	9.997	142812.800	143435.206	0.434
Aliphatic C16-C21	7949654.000	60.000	9.998	13.365	132494.233	133561.231	0.799
Aliphatic C21-C28	9365203.000	80.000	13.366	17.031	117065.038	118307.822	1.050
Aliphatic EPH	42676553.000	360.000	3.297	22.006	118545.981	120373.027	1.518

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	25 Aug 2025 11:00
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069719.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	6.594	8443573.000	60.000	ug/ml
Aliphatic C12-C16	6.595	9.997	5712512.000	40.000	ug/ml
Aliphatic C16-C21	9.998	13.365	7949654.000	60.000	ug/ml
Aliphatic C21-C28	13.366	17.031	9365203.000	80.000	ug/ml
Aliphatic C28-C40	17.032	22.006	11205611.000	120.000	ug/ml
Aliphatic EPH	3.297	22.006	42676553.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069719.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 11:00
 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: Aug 26 02:09:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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)	11.663	2940772	19.712 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
12) S 1-chlorooctadecane (S...	13.098	2094583	19.212 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
Target Compounds			
1) T n-Nonane (C9)	3.397	2746177	19.275 ug/ml
2) T n-Decane (C10)	4.469	2842149	19.550 ug/ml
3) T A~Naphthalene (C11.7)	6.063	3019417	19.460 ug/ml
4) T n-Dodecane (C12)	6.494	2855247	19.532 ug/ml
5) T A~2-methylnaphthalene...	7.122	2876429	19.531 ug/ml
6) T n-Tetradecane (C14)	8.293	2833391	19.854 ug/ml
7) T n-Hexadecane (C16)	9.897	2879121	19.972 ug/ml
8) T n-Octadecane (C18)	11.341	2821689	19.954 ug/ml
10) T n-Eicosane (C20)	12.652	2607283	19.793 ug/ml
11) T n-Heneicosane (C21)	13.265	2520682	19.763 ug/ml
13) T n-Docosane (C22)	13.853	2471403	19.784 ug/ml
14) T n-Tetracosane (C24)	14.957	2377295	19.701 ug/ml
15) T n-Hexacosane (C26)	15.980	2284250	19.768 ug/ml
16) T n-Octacosane (C28)	16.931	2232255	19.915 ug/ml
17) T n-Tricontane (C30)	17.820	2314649	20.216 ug/ml
18) T n-Dotriacontane (C32)	18.655	2308192	20.779 ug/ml
19) T n-Tetratriacontane (C34)	19.441	2110010	20.722 ug/ml
20) T n-Hexatriacontane (C36)	20.182	1782825	19.995 ug/ml
21) T n-Octatriacontane (C38)	20.946	1490165	18.525 ug/ml
22) T n-Tetracontane (C40)	21.906	1199770	16.022 ug/mlm

(f)=RT Delta > 1/2 Window

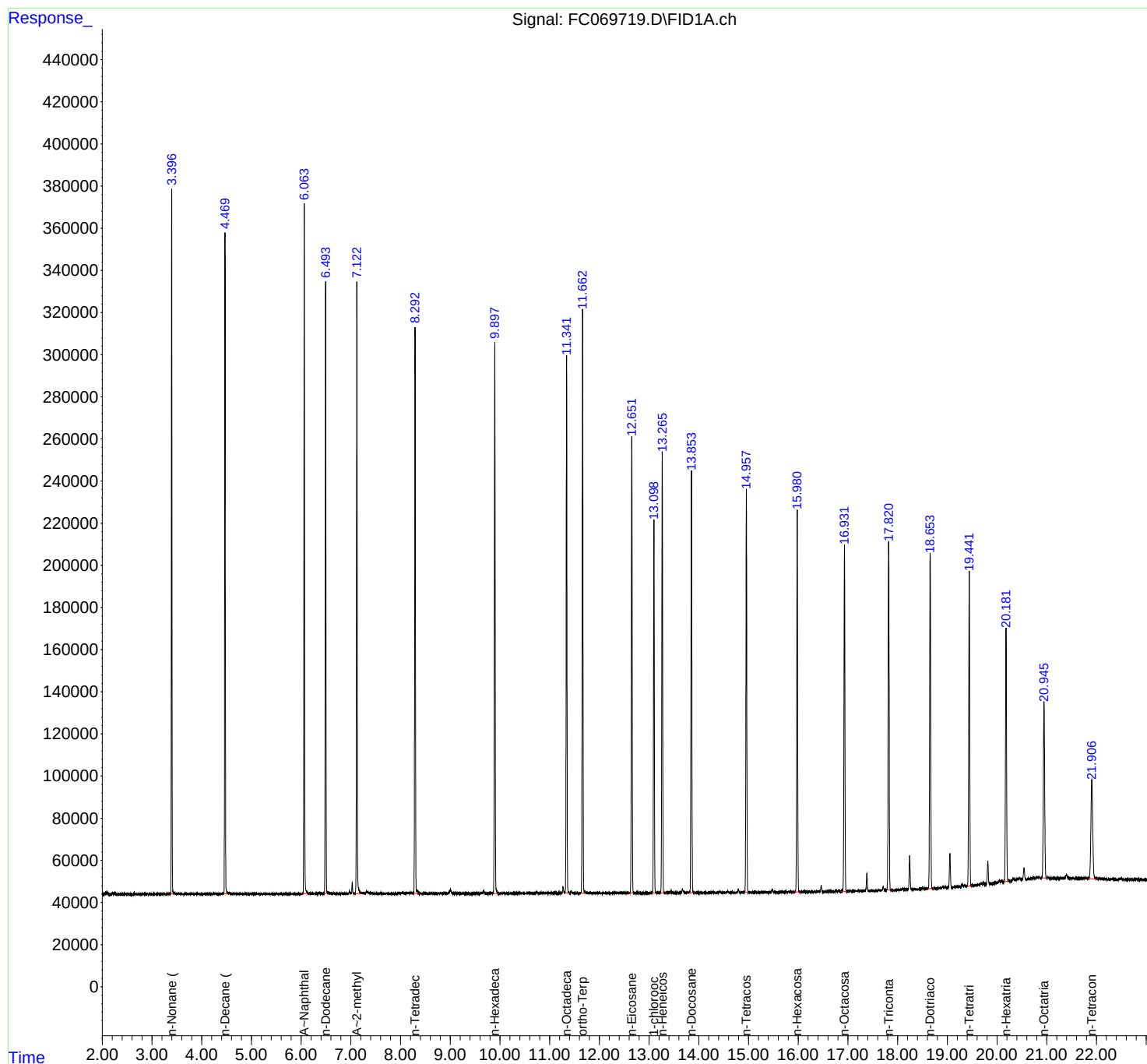
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069719.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 11:00
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: Aug 26 02:09:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082525AL\
 Data File : FC069719.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 11:00
 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 080125.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	3.365	3.447	BB	334162	2746177	90.95%	5.124%
2	4.469	4.435	4.537	BB	313616	2842149	94.13%	5.303%
3	6.063	6.025	6.144	BB	326392	3019417	100.00%	5.634%
4	6.494	6.459	6.532	BB	290141	2855247	94.56%	5.328%
5	7.122	7.080	7.225	BB	290584	2876429	95.26%	5.367%
6	8.293	8.257	8.365	BB	269036	2833391	93.84%	5.287%
7	9.897	9.855	9.979	BB	261715	2879121	95.35%	5.372%
8	11.341	11.310	11.410	BB	256911	2821689	93.45%	5.265%
9	11.663	11.624	11.732	BB	277201	2940772	97.40%	5.487%
10	12.652	12.582	12.700	BB	216061	2607283	86.35%	4.865%
11	13.098	13.062	13.135	BB	177291	2094583	69.37%	3.908%
12	13.265	13.225	13.310	BB	208782	2520682	83.48%	4.703%
13	13.853	13.784	13.910	BB	198773	2471403	81.85%	4.611%
14	14.957	14.919	15.002	BB	191356	2377295	78.73%	4.436%
15	15.980	15.915	16.034	BB	181285	2284250	75.65%	4.262%
16	16.931	16.855	16.979	BB	164558	2232255	73.93%	4.165%
17	17.820	17.780	17.874	BB	165205	2314649	76.66%	4.319%
18	18.655	18.610	18.714	BB	158811	2308192	76.44%	4.307%
19	19.441	19.400	19.497	BB	148632	2110010	69.88%	3.937%
20	20.182	20.140	20.230	BB	119418	1782825	59.05%	3.327%
21	20.946	20.890	21.020	BB	83502	1490165	49.35%	2.781%
22	21.906	21.840	22.012	BB	46666	1184227	39.22%	2.210%
Sum of corrected areas:							53592210	

Aliphatic EPH 080125.M Tue Aug 26 03:51:09 2025

Continuing Calibration Report for SequenceID : FC082525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069726.D

Aliphatic C28-C40	11281235.000	120.000	17.032	22.006	94010.292	95315.213	1.369
Aliphatic C9-C12	8606704.000	60.000	3.297	6.594	143445.067	144679.273	0.853
Aliphatic C12-C16	5831688.000	40.000	6.595	9.997	145792.200	143435.206	-1.643
Aliphatic C16-C21	8074031.000	60.000	9.998	13.365	134567.183	133561.231	-0.753
Aliphatic C21-C28	9451649.000	80.000	13.366	17.031	118145.613	118307.822	0.137
Aliphatic EPH	43245307.000	360.000	3.297	22.006	120125.853	120373.027	0.205

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	25 Aug 2025 16:11
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069726.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	6.594	8606704.000	60.000	ug/ml
Aliphatic C12-C16	6.595	9.997	5831688.000	40.000	ug/ml
Aliphatic C16-C21	9.998	13.365	8074031.000	60.000	ug/ml
Aliphatic C21-C28	13.366	17.031	9451649.000	80.000	ug/ml
Aliphatic C28-C40	17.032	22.006	11281235.000	120.000	ug/ml
Aliphatic EPH	3.297	22.006	43245307.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069726.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 16:11
 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: Aug 26 02:11:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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)	11.663	2973175	19.929 ug/ml
Spiked Amount 50.000		Recovery =	39.86%
12) S 1-chlorooctadecane (S...	13.099	2143791	19.664 ug/ml
Spiked Amount 50.000		Recovery =	39.33%
Target Compounds			
1) T n-Nonane (C9)	3.396	2800057	19.653 ug/ml
2) T n-Decane (C10)	4.469	2894691	19.911 ug/ml
3) T A~Naphthalene (C11.7)	6.063	3075578	19.822 ug/ml
4) T n-Dodecane (C12)	6.493	2911956	19.920 ug/ml
5) T A~2-methylnaphthalene...	7.122	2922242	19.842 ug/ml
6) T n-Tetradecane (C14)	8.293	2896042	20.293 ug/ml
7) T n-Hexadecane (C16)	9.897	2935646	20.364 ug/ml
8) T n-Octadecane (C18)	11.341	2868681	20.286 ug/ml
10) T n-Eicosane (C20)	12.653	2651840	20.131 ug/ml
11) T n-Heneicosane (C21)	13.266	2553510	20.021 ug/ml
13) T n-Docosane (C22)	13.853	2500493	20.017 ug/ml
14) T n-Tetracosane (C24)	14.958	2409503	19.967 ug/ml
15) T n-Hexacosane (C26)	15.980	2298851	19.895 ug/ml
16) T n-Octacosane (C28)	16.932	2242802	20.009 ug/ml
17) T n-Tricontane (C30)	17.822	2330017	20.350 ug/ml
18) T n-Dotriacontane (C32)	18.655	2327054	20.949 ug/ml
19) T n-Tetratriacontane (C34)	19.440	2127066	20.890 ug/ml
20) T n-Hexatriacontane (C36)	20.182	1790302	20.078 ug/ml
21) T n-Octatriacontane (C38)	20.946	1505491	18.715 ug/ml
22) T n-Tetracontane (C40)	21.907	1201305	16.043 ug/ml

(f)=RT Delta > 1/2 Window

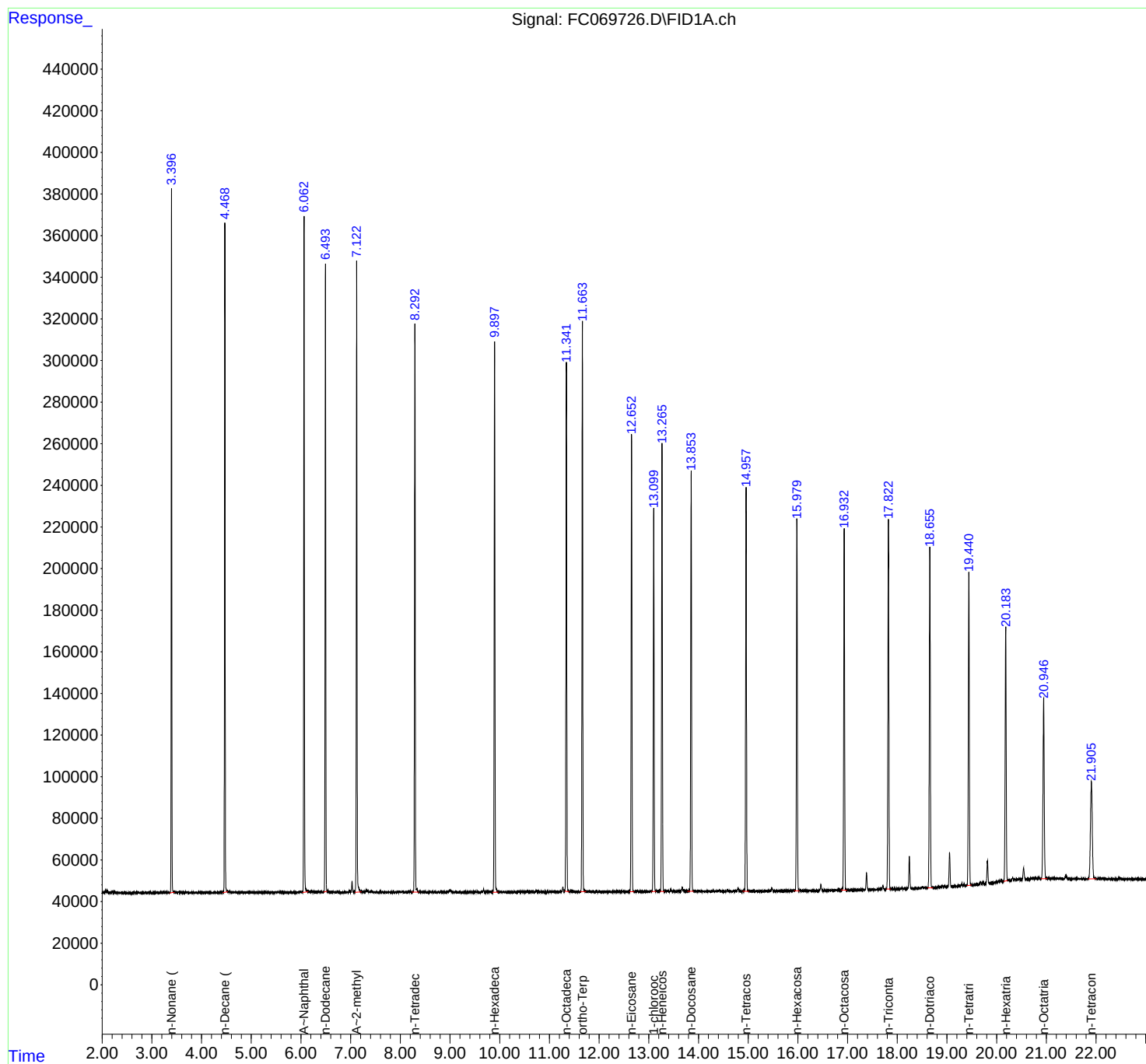
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
Data File : FC069726.D
Signal(s) : FID1A.ch
Acq On : 25 Aug 2025 16:11
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: Aug 26 02:11:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082525AL\
 Data File : FC069726.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 16:11
 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 080125.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	3.396	3.362	3.452	BB	338084	2800057	91.04%	5.151%
2	4.469	4.430	4.530	BB	321503	2894691	94.12%	5.325%
3	6.063	6.034	6.145	BB	324055	3075578	100.00%	5.658%
4	6.493	6.457	6.527	BB	301925	2911956	94.68%	5.357%
5	7.122	7.082	7.214	BB	303130	2922242	95.01%	5.376%
6	8.293	8.235	8.369	BB	272908	2896042	94.16%	5.328%
7	9.897	9.855	9.974	BB	263822	2935646	95.45%	5.400%
8	11.341	11.310	11.395	BB	255258	2868681	93.27%	5.277%
9	11.663	11.625	11.734	BB	273846	2973175	96.67%	5.469%
10	12.653	12.615	12.704	BB	217508	2651840	86.22%	4.878%
11	13.099	13.054	13.144	BB	183431	2143791	69.70%	3.944%
12	13.266	13.229	13.310	BB	215337	2553510	83.03%	4.697%
13	13.853	13.775	13.899	BB	202664	2500493	81.30%	4.600%
14	14.958	14.890	15.017	BB	193784	2409503	78.34%	4.432%
15	15.980	15.929	16.030	BB	178281	2298851	74.75%	4.229%
16	16.932	16.869	16.990	BB	174007	2242802	72.92%	4.126%
17	17.822	17.780	17.867	BB	177881	2330017	75.76%	4.286%
18	18.655	18.610	18.715	BB	163843	2327054	75.66%	4.281%
19	19.440	19.400	19.495	BB	150343	2127066	69.16%	3.913%
20	20.182	20.140	20.222	BB	121013	1790302	58.21%	3.293%
21	20.946	20.890	21.020	BB	86595	1505491	48.95%	2.769%
22	21.907	21.840	22.004	BB	46418	1201305	39.06%	2.210%
Sum of corrected areas:							54360090	

Aliphatic EPH 080125.M Tue Aug 26 03:51:57 2025

Continuing Calibration Report for SequenceID : FD082225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049645.D

Aromatic C10-C12	4751542.000	40.000	4.407	6.150	118788.550	107939.663	-10.051
Aromatic C12-C16	8287038.000	60.000	6.151	8.778	138117.300	123580.152	-11.763
Aromatic C16-C21	10674121.000	80.000	8.779	13.069	133426.513	126486.361	-5.487
Aromatic C21-C36	20574666.000	180.000	13.070	18.489	114303.700	112618.254	-1.497
Aromatic EPH	44287367.000	360.000	4.407	18.489	123020.464	117007.195	-5.139

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	22 Aug 2025 13:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049645.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.407	6.150	4751542.000	40.000	ug/ml
Aromatic C12-C16	6.151	8.778	8287038.000	60.000	ug/ml
Aromatic C16-C21	8.779	13.069	10674121.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.489	20574666.000	180.000	ug/ml
Aromatic EPH	4.407	18.489	44287367.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049645.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 13:18
 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: Aug 25 01:47:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.714	2300416	22.446 ug/ml
Spiked Amount 50.000		Recovery =	44.89%
6) S 2-Fluorobiphenyl (SURR)	8.578	1625040	22.247 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.49%
11) S ortho-Terphenyl (SURR)	11.624	2881552	22.201 ug/ml
Spiked Amount 50.000		Recovery =	44.40%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	2203974	21.774 ug/ml
2) T Naphthalene (C11.7)	6.050	2547568	22.219 ug/ml
3) T 2-Methylnaphthalene (...)	7.103	2664885	22.339 ug/ml
5) T Acenaphthylene (C15.06)	8.382	2800771	22.279 ug/ml
7) T Acenaphthene (C15.5)	8.678	2821382	22.439 ug/ml
8) T Flouorene (C16.55)	9.459	2805741	22.161 ug/ml
9) T Phenanthrene (C19.36)	10.857	2779955	21.520 ug/ml
10) T Anthracene (C19.43)	10.932	2380488	19.323 ug/ml
12) T Fluoranthene (C21.85)	12.671	2736243	21.374 ug/ml
13) T Pyrene (C20.8)	12.969	2707937	21.328 ug/ml
14) T Benzo[a]anthracene (C...	14.841	2306772	19.990 ug/ml
15) T Chrysene (C27.41)	14.883	2397801	20.480 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2312515	20.333 ug/ml
17) T Bnezo[k]fluoranthene ...	16.423	2165167	20.226 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2177868	19.632 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.133	2037685	19.768 ug/ml
20) T Dibenz[a,h]anthracene...	18.174	2256505	20.702 ug/ml
21) T Benzo[g,h,i]perylene ...	18.389	2184110	19.987 ug/ml

(f)=RT Delta > 1/2 Window

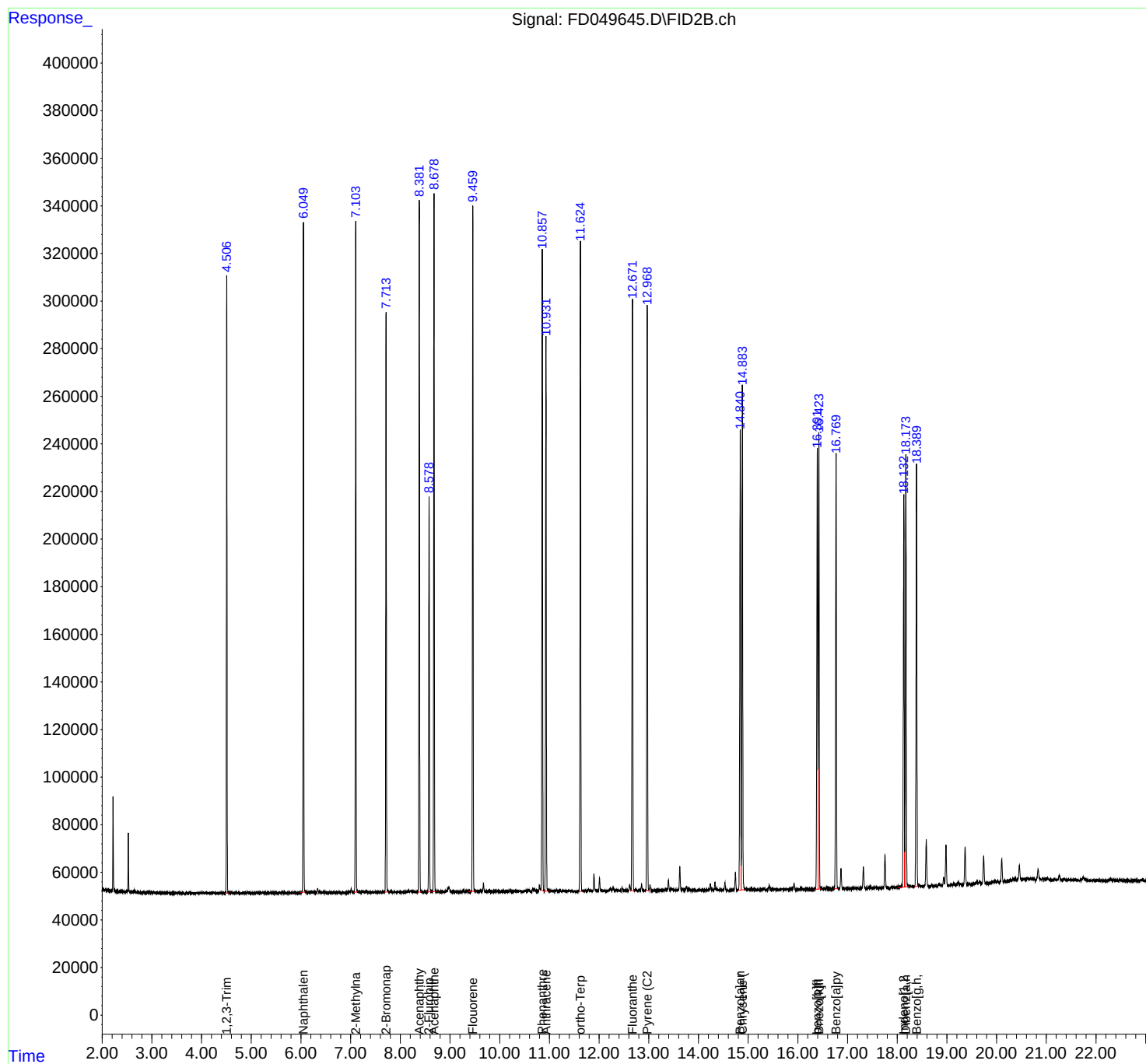
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049645.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 13:18
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: Aug 25 01:47:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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\FD082225AR\
 Data File : FD049645.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 13:18
 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 081125.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	4.507	4.479	4.547	BB	259227	2203974	76.49%	4.314%
2	6.050	5.995	6.087	BB	281068	2547568	88.41%	4.986%
3	7.103	7.069	7.142	BB	281724	2664885	92.48%	5.216%
4	7.714	7.687	7.757	BB	243503	2300416	79.83%	4.502%
5	8.382	8.349	8.429	BB	290479	2800771	97.20%	5.482%
6	8.578	8.544	8.625	BB	165876	1625040	56.39%	3.180%
7	8.678	8.649	8.720	BB	294000	2821382	97.91%	5.522%
8	9.459	9.370	9.497	BB	286569	2805741	97.37%	5.491%
9	10.857	10.830	10.894	BB	268996	2779955	96.47%	5.441%
10	10.932	10.902	10.985	BB	232663	2380488	82.61%	4.659%
11	11.624	11.594	11.665	BB	272099	2881552	100.00%	5.640%
12	12.671	12.639	12.715	VB	249639	2736243	94.96%	5.355%
13	12.969	12.937	13.002	BV	245742	2707937	93.97%	5.300%
14	14.841	14.799	14.861	BV	193138	2306772	80.05%	4.515%
15	14.883	14.861	14.935	VB	211549	2397801	83.21%	4.693%
16	16.391	16.345	16.406	BV	185454	2312515	80.25%	4.526%
17	16.423	16.406	16.465	VB	192127	2165167	75.14%	4.238%
18	16.770	16.730	16.805	BB	182755	2177868	75.58%	4.262%
19	18.133	18.007	18.151	BV	164647	2037685	70.71%	3.988%
20	18.174	18.151	18.225	VB	181429	2256505	78.31%	4.416%
21	18.389	18.337	18.417	BV	177559	2184110	75.80%	4.275%
Sum of corrected areas:							51094374	

Aromatic EPH 081125.M Mon Aug 25 02:40:45 2025

Continuing Calibration Report for SequenceID : FD082225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049655.D

Aromatic C10-C12	4855203.000	40.000	4.407	6.150	121380.075	107939.663	-12.452
Aromatic C12-C16	8282990.000	60.000	6.151	8.778	138049.833	123580.152	-11.709
Aromatic C16-C21	10768702.000	80.000	8.779	13.069	134608.775	126486.361	-6.422
Aromatic C21-C36	20980863.000	180.000	13.070	18.489	116560.350	112618.254	-3.500
Aromatic EPH	44887758.000	360.000	4.407	18.489	124688.217	117007.195	-6.565

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	22 Aug 2025 23:13
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049655.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.407	6.150	4855203.000	40.000	ug/ml
Aromatic C12-C16	6.151	8.778	8282990.000	60.000	ug/ml
Aromatic C16-C21	8.779	13.069	10768702.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.489	20980863.000	180.000	ug/ml
Aromatic EPH	4.407	18.489	44887758.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049655.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 23:13
 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: Aug 25 01:51:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.713	2311005	22.549 ug/ml
Spiked Amount 50.000		Recovery =	45.10%
6) S 2-Fluorobiphenyl (SURR)	8.579	1642650	22.488 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.98%
11) S ortho-Terphenyl (SURR)	11.625	2841802	21.895 ug/ml
Spiked Amount 50.000		Recovery =	43.79%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.505	2261614	22.344 ug/ml
2) T Naphthalene (C11.7)	6.049	2593589	22.620 ug/ml
3) T 2-Methylnaphthalene (...)	7.103	2698036	22.617 ug/ml
5) T Acenaphthylene (C15.06)	8.382	2782138	22.131 ug/ml
7) T Acenaphthene (C15.5)	8.678	2802816	22.291 ug/ml
8) T Flouorene (C16.55)	9.459	2807501	22.175 ug/ml
9) T Phenanthrene (C19.36)	10.858	2829122	21.901 ug/ml
10) T Anthracene (C19.43)	10.932	2428649	19.714 ug/ml
12) T Fluoranthene (C21.85)	12.672	2737470	21.384 ug/ml
13) T Pyrene (C20.8)	12.970	2703430	21.293 ug/ml
14) T Benzo[a]anthracene (C...	14.841	2377031	20.599 ug/ml
15) T Chrysene (C27.41)	14.884	2451764	20.940 ug/ml
16) T benzo[b]fluoranthene ...	16.393	2335751	20.537 ug/ml
17) T Bnezo[k]fluoranthene ...	16.425	2185107	20.413 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.771	2205872	19.884 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.136	2076423	20.144 ug/ml
20) T Dibenz[a,h]anthracene...	18.176	2407474	22.087 ug/ml
21) T Benzo[g,h,i]perylene ...	18.391	2203971	20.169 ug/ml

(f)=RT Delta > 1/2 Window

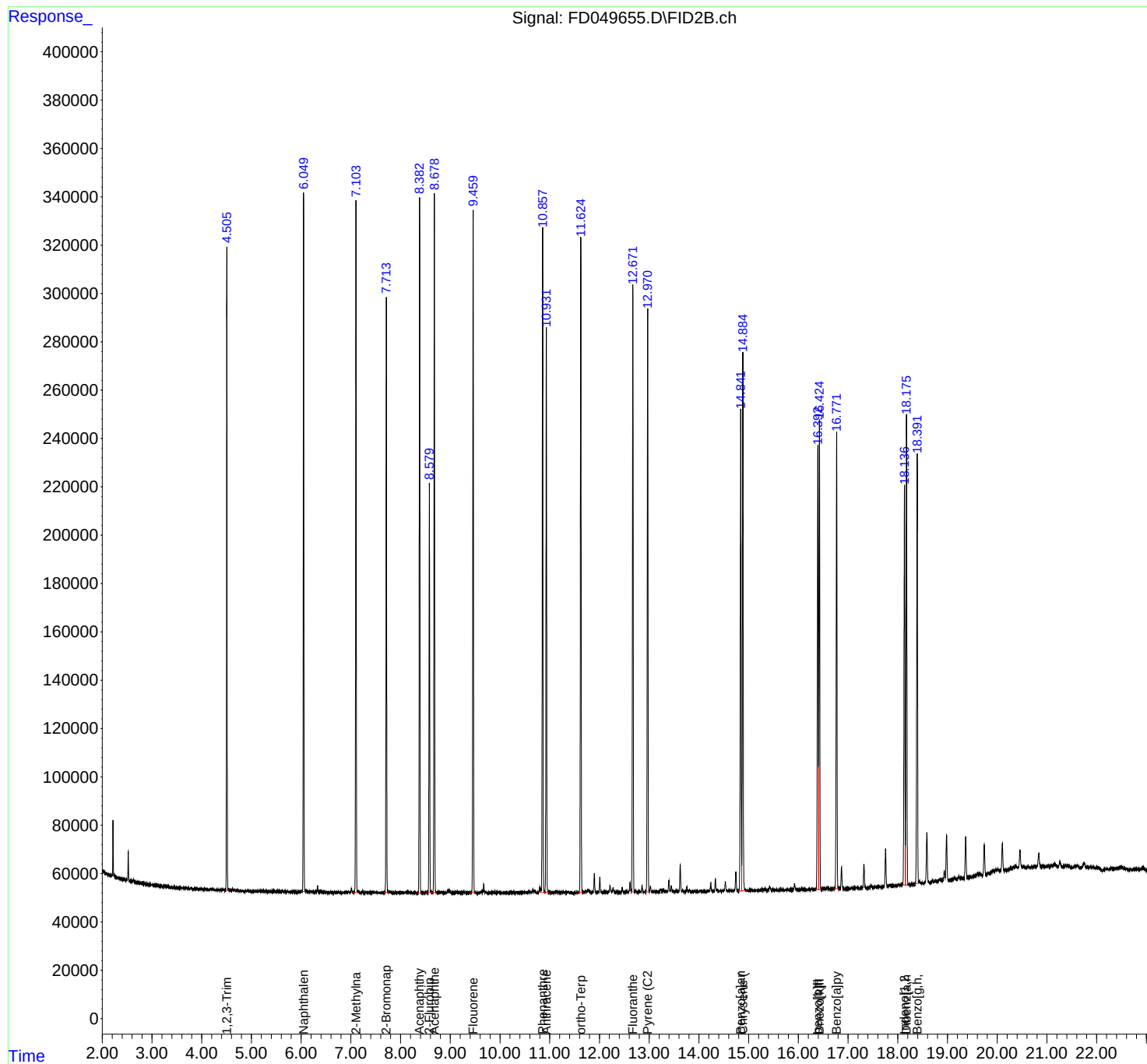
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049655.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 23:13
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: Aug 25 01:51:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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\FD082225AR\
 Data File : FD049655.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 23:13
 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 081125.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	4.505	4.480	4.536	BB	265756	2261614	79.58%	4.376%
2	6.049	5.998	6.085	BB	288696	2593589	91.27%	5.018%
3	7.103	7.042	7.138	BB	286339	2698036	94.94%	5.220%
4	7.713	7.663	7.748	BB	245760	2311005	81.32%	4.471%
5	8.382	8.328	8.423	BB	287015	2782138	97.90%	5.383%
6	8.579	8.532	8.618	BB	168831	1642650	57.80%	3.178%
7	8.678	8.622	8.718	BB	288897	2802816	98.63%	5.423%
8	9.459	9.403	9.502	BB	282995	2807501	98.79%	5.432%
9	10.858	10.814	10.895	VB	274953	2829122	99.55%	5.474%
10	10.932	10.902	10.980	BB	234139	2428649	85.46%	4.699%
11	11.625	11.570	11.667	BB	270722	2841802	100.00%	5.499%
12	12.672	12.638	12.702	VB	251189	2737470	96.33%	5.297%
13	12.970	12.917	12.998	BV	240760	2703430	95.13%	5.231%
14	14.841	14.787	14.861	BV	199045	2377031	83.65%	4.599%
15	14.884	14.861	14.935	VB	222453	2451764	86.27%	4.744%
16	16.393	16.333	16.408	BV	183320	2335751	82.19%	4.519%
17	16.425	16.408	16.467	VB	193339	2185107	76.89%	4.228%
18	16.771	16.707	16.815	BB	189377	2205872	77.62%	4.268%
19	18.136	18.092	18.153	BV	165450	2076423	73.07%	4.018%
20	18.176	18.153	18.212	VV	193827	2407474	84.72%	4.658%
21	18.391	18.323	18.418	BV	178395	2203971	77.56%	4.264%
Sum of corrected areas:							51683216	

Aromatic EPH 081125.M Mon Aug 25 02:48:10 2025

Continuing Calibration Report for SequenceID : FD082225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049666.D

Aromatic C10-C12	4410803.000	40.000	4.407	6.150	110270.075	107939.663	-2.159
Aromatic C12-C16	7531907.000	60.000	6.151	8.778	125531.783	123580.152	-1.579
Aromatic C16-C21	10146229.000	80.000	8.779	13.069	126827.863	126486.361	-0.270
Aromatic C21-C36	21272022.000	180.000	13.070	18.489	118177.900	112618.254	-4.937
Aromatic EPH	43360961.000	360.000	4.407	18.489	120447.114	117007.195	-2.940

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	23 Aug 2025 08:55
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049666.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.407	6.150	4410803.000	40.000	ug/ml
Aromatic C12-C16	6.151	8.778	7531907.000	60.000	ug/ml
Aromatic C16-C21	8.779	13.069	10146229.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.489	21272022.000	180.000	ug/ml
Aromatic EPH	4.407	18.489	43360961.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049666.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 08:55
 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: sample.E
 Quant Time: Aug 25 02:31:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.713	2090296	20.396 ug/ml
Spiked Amount 50.000		Recovery =	40.79%
6) S 2-Fluorobiphenyl (SURR)	8.578	1501049	20.549 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.10%
11) S ortho-Terphenyl (SURR)	11.624	2639586	20.337 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.505	2062607	20.378 ug/ml
2) T Naphthalene (C11.7)	6.049	2348196	20.480 ug/ml
3) T 2-Methylnaphthalene (...)	7.103	2439474	20.449 ug/ml
5) T Acenaphthylene (C15.06)	8.382	2537370	20.184 ug/ml
7) T Acenaphthene (C15.5)	8.678	2555063	20.321 ug/ml
8) T Flouorene (C16.55)	9.459	2581749	20.392 ug/ml
9) T Phenanthrene (C19.36)	10.857	2640384	20.440 ug/ml
10) T Anthracene (C19.43)	10.931	2272272	18.445 ug/ml
12) T Fluoranthene (C21.85)	12.671	2668608	20.846 ug/ml
13) T Pyrene (C20.8)	12.969	2651824	20.886 ug/ml
14) T Benzo[a]anthracene (C...	14.840	2420165	20.973 ug/ml
15) T Chrysene (C27.41)	14.883	2498221	21.337 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2385243	20.972 ug/ml
17) T Bnezo[k]fluoranthene ...	16.424	2233938	20.869 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2252963	20.309 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.135	2124310	20.609 ug/ml
20) T Dibenz[a,h]anthracene...	18.175	2451239	22.489 ug/ml
21) T Benzo[g,h,i]perylene ...	18.390	2237335	20.474 ug/ml

(f)=RT Delta > 1/2 Window

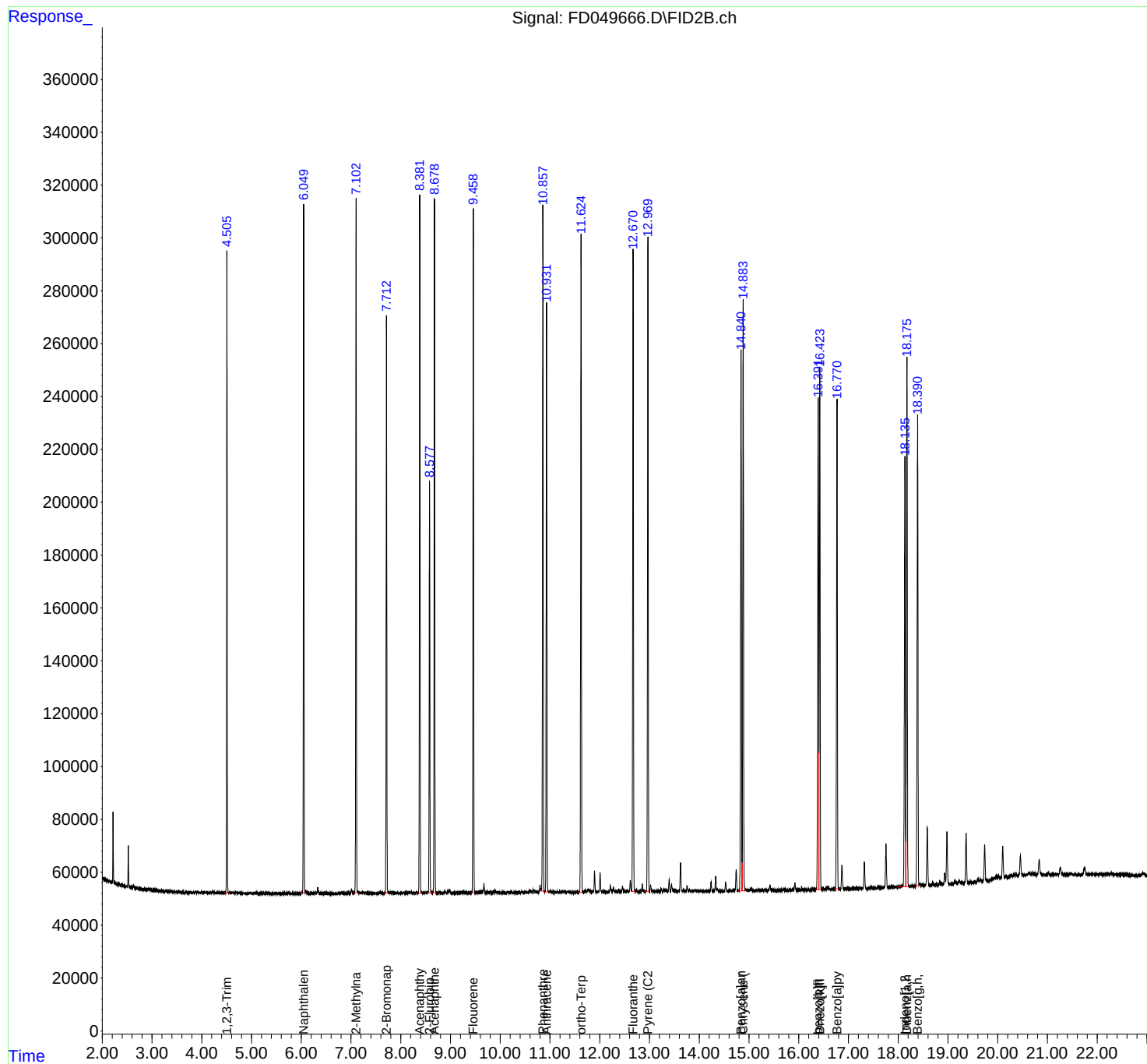
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049666.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 08:55
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: sample.E
Quant Time: Aug 25 02:31:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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\FD082225AR\
 Data File : FD049666.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 08:55
 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 081125.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	4.505	4.462	4.543	BB	242572	2062607	77.29%	4.159%
2	6.049	5.995	6.090	BB	260565	2348196	87.99%	4.735%
3	7.103	7.050	7.142	BB	261949	2439474	91.41%	4.919%
4	7.713	7.665	7.750	BB	217492	2090296	78.33%	4.215%
5	8.382	8.327	8.427	BB	264208	2537370	95.08%	5.117%
6	8.578	8.523	8.623	BB	155224	1501049	56.25%	3.027%
7	8.678	8.625	8.718	BB	262914	2555063	95.75%	5.152%
8	9.459	9.412	9.490	BB	259180	2581749	96.75%	5.206%
9	10.857	10.823	10.900	BV	259272	2640384	98.94%	5.324%
10	10.931	10.900	10.972	PB	222432	2272272	85.15%	4.582%
11	11.624	11.565	11.653	BB	248483	2639586	98.91%	5.323%
12	12.671	12.637	12.717	VB	242478	2668608	100.00%	5.381%
13	12.969	12.908	13.003	BV	247254	2651824	99.37%	5.347%
14	14.840	14.787	14.861	BV	204642	2420165	90.69%	4.880%
15	14.883	14.861	14.933	VV	223762	2498221	93.62%	5.038%
16	16.391	16.330	16.407	BV	186077	2385243	89.38%	4.810%
17	16.424	16.407	16.467	VB	197674	2233938	83.71%	4.505%
18	16.770	16.707	16.817	BB	185198	2252963	84.42%	4.543%
19	18.135	17.987	18.152	BV	163000	2124310	79.60%	4.284%
20	18.175	18.152	18.220	VB	200605	2451239	91.85%	4.943%
21	18.390	18.325	18.417	BV	177857	2237335	83.84%	4.511%
Sum of corrected areas:							49591893	

Aromatic EPH 081125.M Mon Aug 25 02:49:37 2025



QC SAMPLE DATA

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:		
Project:	BAPS 2000 Tonnelle Ave		Date Received:		
Client Sample ID:	PB169364BL		SDG No.:	Q2892	
Lab Sample ID:	PB169364BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:00	08/22/25 17:14	PB169364

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	FC069710.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC069710.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC069710.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC069710.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069710.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049648.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049648.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049648.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049648.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	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:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelles Ave		Date Received:	
Client Sample ID:	PB169364BL		SDG No.:	Q2892
Lab Sample ID:	PB169364BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069710.D	1	08/21/25	08/22/25	PB169364

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)	40.8		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169364BL	Acq On:	22 Aug 2025 17:14
Client Sample ID:	PB169364BL	Operator:	YP/AJ
Data file:	FC069710.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.594	0	0	300	ug/ml
Aliphatic C12-C16	6.595	9.996	0	0	200	ug/ml
Aliphatic C16-C21	9.997	13.364	0	0	300	ug/ml
Aliphatic C21-C28	13.365	17.031	0	0	400	ug/ml
Aliphatic C28-C40	17.032	22.001	0	0	600	ug/ml
Aliphatic EPH	3.298	22.001	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	4447293	40.79		ug/ml
Aliphatic C9-C28	3.298	17.031	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069710.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 17:14
Operator : YP/AJ
Sample : PB169364BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169364BL

Integration File: autoint1.e
Quant Time: Aug 25 01:09:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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...	13.101	4447293	40.792 ug/ml
Spiked Amount 50.000		Recovery =	81.58%

Target Compounds

(f)=RT Delta > 1/2 Window

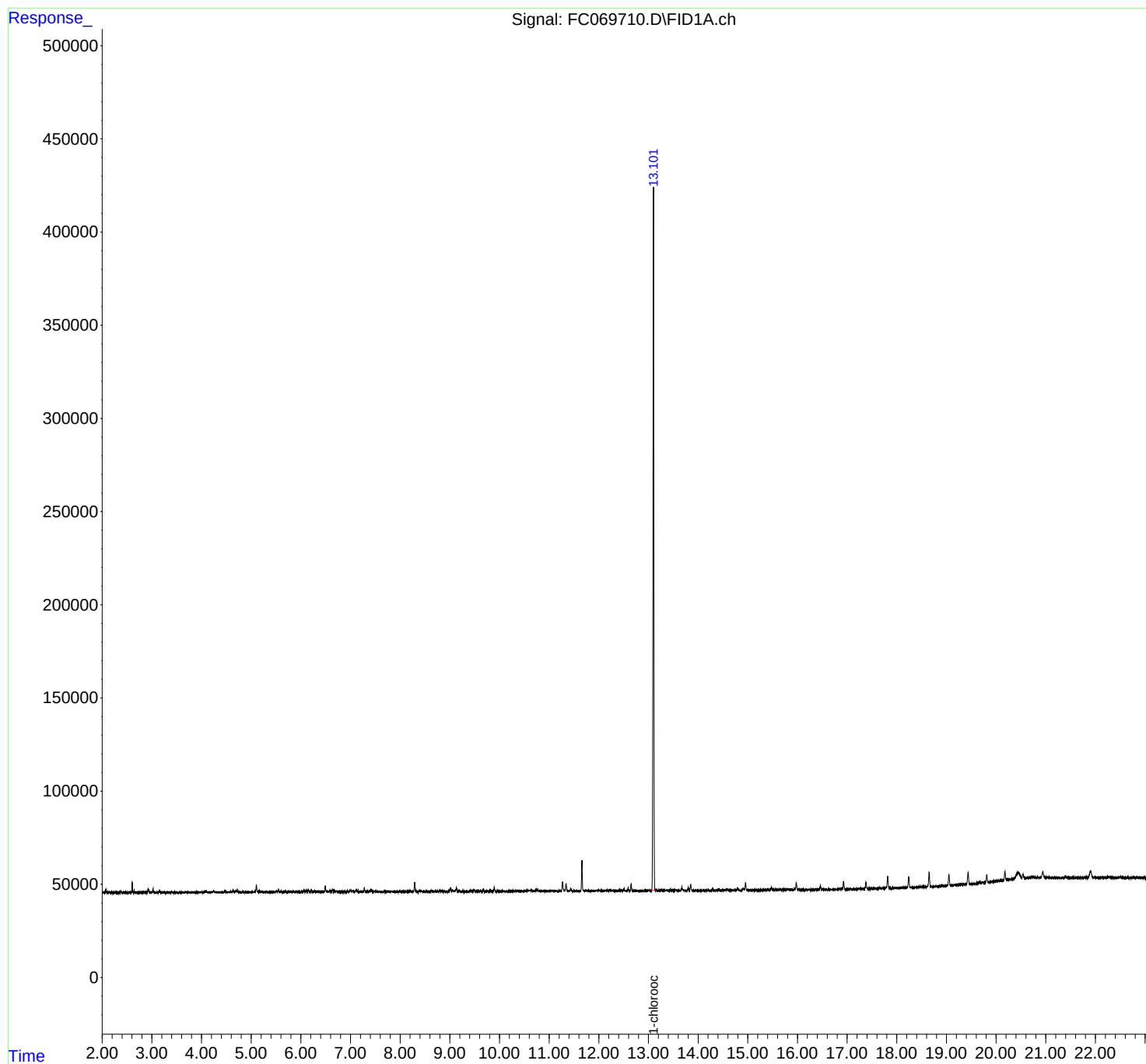
(m)=manual int.

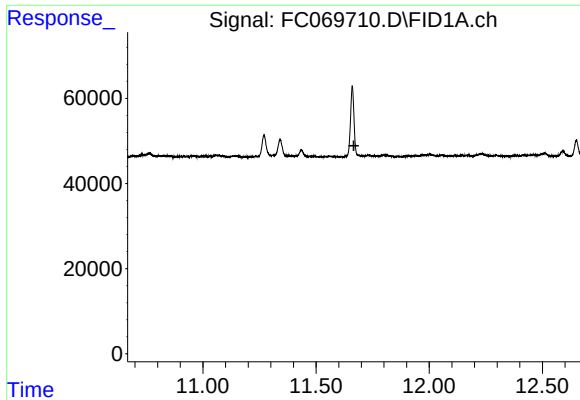
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069710.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 17:14
Operator : YP/AJ
Sample : PB169364BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169364BL

Integration File: autoint1.e
Quant Time: Aug 25 01:09:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

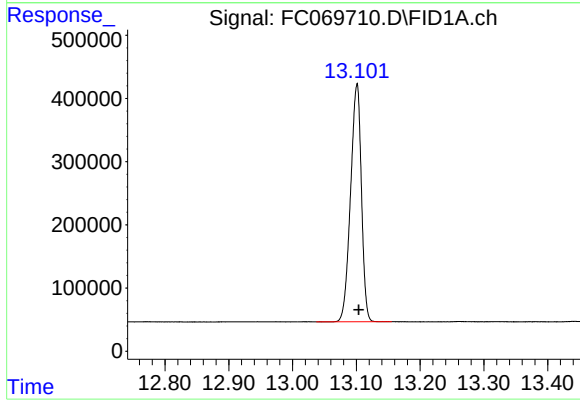




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.667 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB169364BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.101 min
Delta R.T.: -0.003 min
Response: 4447293
Conc: 40.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069710.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 17:14
Sample : PB169364BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	13.101	13.037	13.155	BB	375013	4447293	100.00%	100.000%
Sum of corrected areas:						4447293		

Aliphatic EPH 080125.M Mon Aug 25 01:36:54 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	
Project:	BAPS 2000 Tonnelle Ave	Date Received:	
Client Sample ID:	PB169364BL	SDG No.:	Q2892
Lab Sample ID:	PB169364BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049648.D	1	08/21/25	08/22/25	PB169364

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	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	39.0		40 - 140	78%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.3		40 - 140	85%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169364BL	Acq On:	22 Aug 2025 17:14
Client Sample ID:	PB169364BL	Operator:	YP/AJ
Data file:	FD049648.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	0	0	200	ug/ml
Aromatic C12-C16	6.151	8.778	0	0	300	ug/ml
Aromatic C16-C21	8.779	13.069	0	0	500	ug/ml
Aromatic C21-C36	13.070	18.489	0	0	800	ug/ml
Aromatic EPH	4.407	18.489	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.714	7.714	3996212	38.99		ug/ml
2-Fluorobiphenyl (SURRE)	8.579	8.579	2842725	38.92		ug/ml
ortho-Terphenyl (SURRE)	11.627	11.627	5490538	42.3		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049648.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 17:14
 Operator : YP/AJ
 Sample : PB169364BL
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169364BL

Integration File: sample.E
 Quant Time: Aug 25 01:48:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.714	3996212	38.992 ug/ml
Spiked Amount 50.000		Recovery =	77.98%
6) S 2-Fluorobiphenyl (SURR)	8.579	2842725	38.917 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	77.83%
11) S ortho-Terphenyl (SURR)	11.627	5490538	42.302 ug/ml
Spiked Amount 50.000		Recovery =	84.60%

Target Compounds

(f)=RT Delta > 1/2 Window

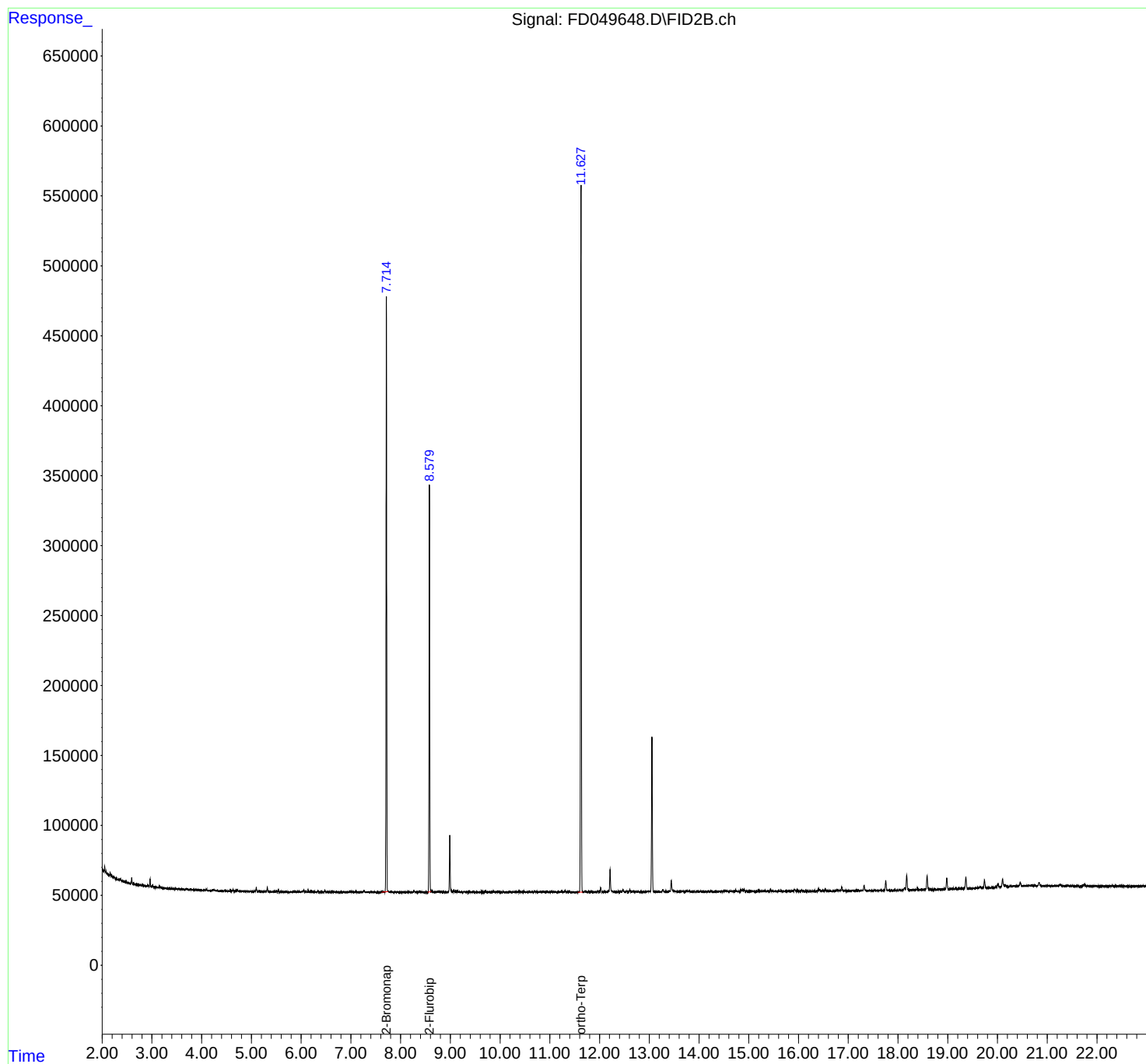
(m)=manual int.

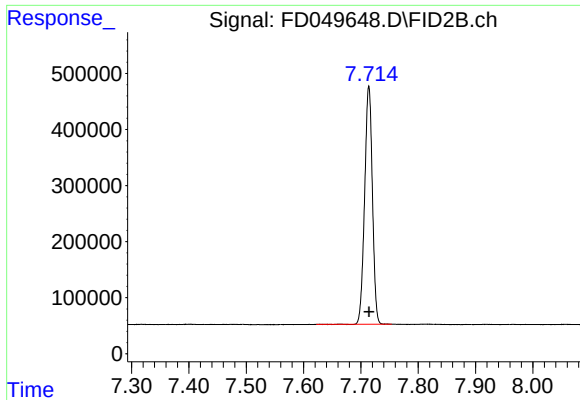
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049648.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 17:14
Operator : YP/AJ
Sample : PB169364BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169364BL

Integration File: sample.E
Quant Time: Aug 25 01:48:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

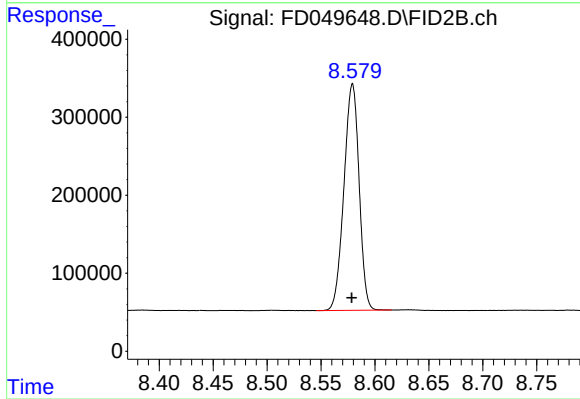




#4 2-Bromonaphthalene (SURRE)

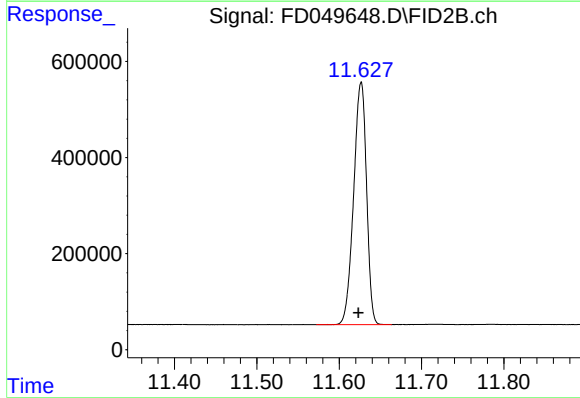
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 3996212
Conc: 38.99 ug/ml

Instrument :
FID_D
ClientSampleId :
PB169364BL



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 2842725
Conc: 38.92 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.627 min
Delta R.T.: 0.003 min
Response: 5490538
Conc: 42.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049648.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 17:14
Sample : PB169364BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	7.714	7.622	7.754	BB	424792	3996212	72.78%	32.412%
2	8.579	8.545	8.615	BB	290018	2842725	51.77%	23.056%
3	11.627	11.572	11.664	BB	506002	5490538	100.00%	44.532%
Sum of corrected areas:						12329475		

Aromatic EPH 081125.M Mon Aug 25 02:47:03 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	
Project:	BAPS 2000 Tonnelle Ave	Date Received:	
Client Sample ID:	PB169364BS	SDG No.:	Q2892
Lab Sample ID:	PB169364BS	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
08/21/25 11:00	08/22/25 15:26	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.69		1	0.14	1.00	mg/kg FC069708.D
Aliphatic C12-C16	Aliphatic C12-C16	5.22		1	0.11	0.67	mg/kg FC069708.D
Aliphatic C16-C21	Aliphatic C16-C21	8.98		1	0.13	1.00	mg/kg FC069708.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6		1	0.53	1.33	mg/kg FC069708.D
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.18	2.00	mg/kg FC069708.D
Aromatic C10-C12	Aromatic C10-C12	5.52		1	0.12	0.67	mg/kg FD049646.D
Aromatic C12-C16	Aromatic C12-C16	9.50		1	0.23	1.00	mg/kg FD049646.D
Aromatic C16-C21	Aromatic C16-C21	17.3		1	0.40	1.67	mg/kg FD049646.D
Aromatic C21-C36	Aromatic C21-C36	28.3		1	1.19	2.66	mg/kg FD049646.D
Total AliphaticEPH	Total AliphaticEPH	53.0			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	60.6			1.94	6.00	mg/kg
Total EPH	Total EPH	114			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:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	
Client Sample ID:	PB169364BS		SDG No.:	Q2892
Lab Sample ID:	PB169364BS		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
FC069708.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.69		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.22		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.98		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169364BS	Acq On:	22 Aug 2025 15:26
Client Sample ID:	PB169364BS	Operator:	YP/AJ
Data file:	FC069708.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.594	12349927	85.361	300	ug/ml
Aliphatic C12-C16	6.595	9.996	11251606	78.444	200	ug/ml
Aliphatic C16-C21	9.997	13.364	18000180	134.771	300	ug/ml
Aliphatic C21-C28	13.365	17.031	22445653	189.722	400	ug/ml
Aliphatic C28-C40	17.032	22.001	29405858	308.512	600	ug/ml
Aliphatic EPH	3.298	22.001	93453224	796.81		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4760996	43.67		ug/ml
Aliphatic C9-C28	3.298	17.031	64047366	488.298	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069708.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 15:26
 Operator : YP/AJ
 Sample : PB169364BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB169364BS

Integration File: autoint1.e
 Quant Time: Aug 25 01:08:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 14:14:17 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	4760996	43.669 ug/ml
Spiked Amount 50.000		Recovery =	87.34%
Target Compounds			
1) T n-Nonane (C9)	3.395	3145567	22.079 ug/ml
2) T n-Decane (C10)	4.468	4180915	28.758 ug/ml
4) T n-Dodecane (C12)	6.494	5023445	34.364 ug/ml
6) T n-Tetradecane (C14)	8.294	5528989	38.743 ug/ml
7) T n-Hexadecane (C16)	9.899	5722617	39.696 ug/ml
8) T n-Octadecane (C18)	11.343	5830691	41.232 ug/ml
10) T n-Eicosane (C20)	12.656	6223865	47.248 ug/ml
11) T n-Heneicosane (C21)	13.268	5945624	46.617 ug/ml
13) T n-Docosane (C22)	13.856	5886583	47.123 ug/ml
14) T n-Tetracosane (C24)	14.960	5727200	47.461 ug/ml
15) T n-Hexacosane (C26)	15.983	5486067	47.478 ug/ml
16) T n-Octacosane (C28)	16.934	5345803	47.693 ug/ml
17) T n-Tricontane (C30)	17.823	5422783	47.362 ug/ml
18) T n-Dotriacontane (C32)	18.657	5392824	48.548 ug/ml
19) T n-Tetratriacontane (C34)	19.443	5174710	50.820 ug/ml
20) T n-Hexatriacontane (C36)	20.183	4796067	53.789 ug/ml
21) T n-Octatriacontane (C38)	20.947	4507630	56.035 ug/ml
22) T n-Tetracontane (C40)	21.908	4111844	54.911 ug/ml

(f)=RT Delta > 1/2 Window

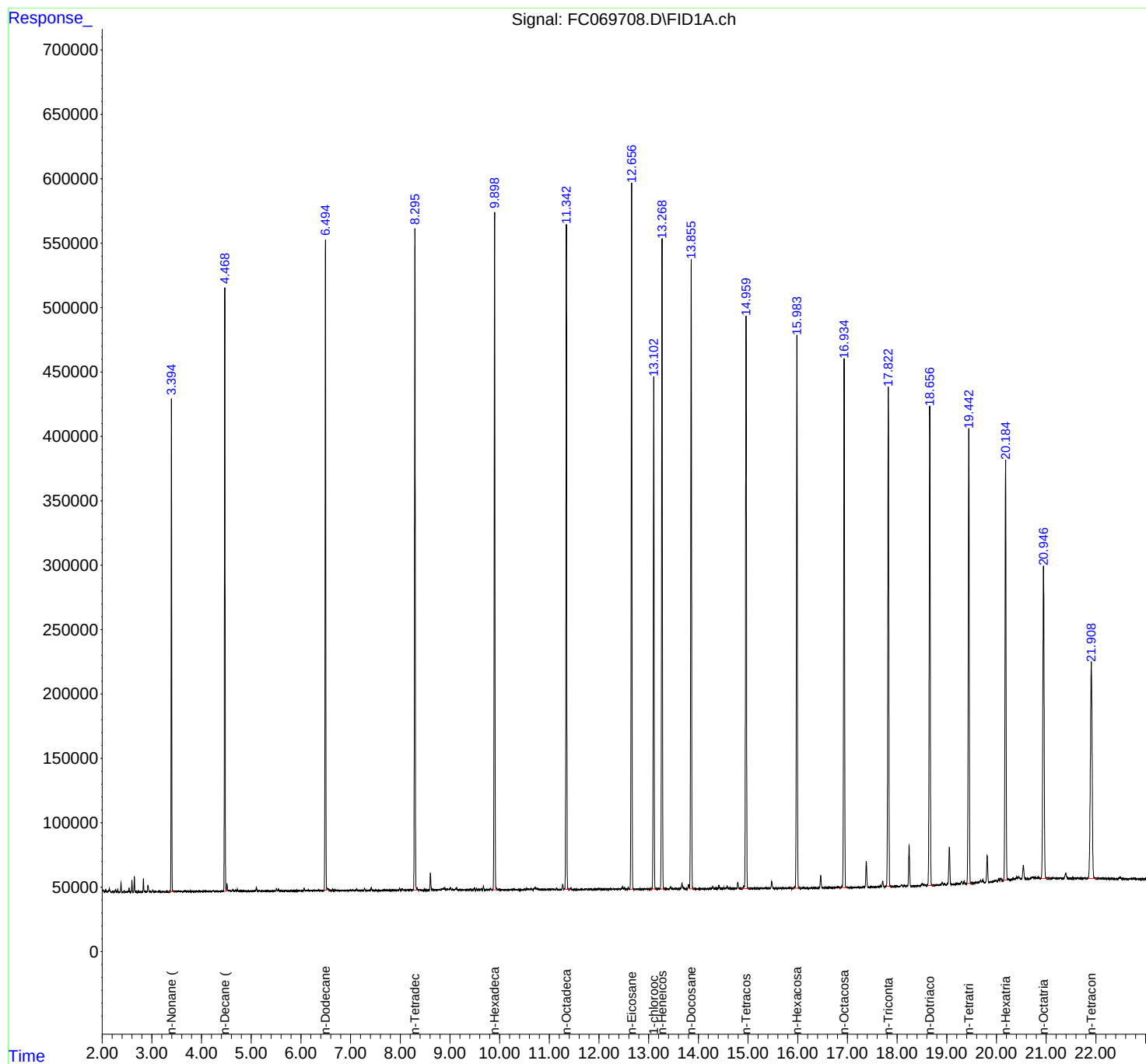
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069708.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 15:26
Operator : YP/AJ
Sample : PB169364BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169364BS

Integration File: autoint1.e
Quant Time: Aug 25 01:08:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082225AL\
Data File : FC069708.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 15:26
Sample : PB169364BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.395	3.342	3.445	BB	383434	3145567	50.54%	3.203%
2	4.468	4.433	4.496	BV	469346	4180915	67.18%	4.257%
3	6.494	6.458	6.532	BB	503087	5023445	80.71%	5.115%
4	8.294	8.257	8.363	BB	516713	5528989	88.84%	5.630%
5	9.899	9.840	9.950	BB	525280	5722617	91.95%	5.827%
6	11.343	11.310	11.407	BB	513712	5830691	93.68%	5.937%
7	12.656	12.613	12.698	PB	546860	6223865	100.00%	6.337%
8	13.102	13.040	13.150	BB	398719	4760996	76.50%	4.848%
9	13.268	13.228	13.305	BB	505331	5945624	95.53%	6.054%
10	13.856	13.819	13.908	VB	487447	5886583	94.58%	5.994%
11	14.960	14.868	15.020	BB	441994	5727200	92.02%	5.831%
12	15.983	15.895	16.045	BB	430338	5486067	88.15%	5.586%
13	16.934	16.842	17.003	BB	404324	5345803	85.89%	5.443%
14	17.823	17.780	17.875	BB	385064	5422783	87.13%	5.521%
15	18.657	18.610	18.718	BB	371972	5392824	86.65%	5.491%
16	19.443	19.400	19.500	BB	352950	5174710	83.14%	5.269%
17	20.183	20.140	20.222	BB	324044	4796067	77.06%	4.883%
18	20.947	20.890	21.032	BB	242404	4507630	72.42%	4.590%
19	21.908	21.840	22.020	BB	168420	4111844	66.07%	4.187%
Sum of corrected areas:							98214220	

Aliphatic EPH 080125.M Mon Aug 25 01:34:07 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	
Project:	BAPS 2000 Tonnelle Ave	Date Received:	
Client Sample ID:	PB169364BS	SDG No.:	Q2892
Lab Sample ID:	PB169364BS	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
FD049646.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.52		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.50		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.3		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	28.3		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.4		40 - 140	125%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	61.2		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.5		40 - 140	101%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169364BS	Acq On:	22 Aug 2025 15:26
Client Sample ID:	PB169364BS	Operator:	YP/AJ
Data file:	FD049646.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	8953147	82.946	200	ug/ml
Aromatic C12-C16	6.151	8.778	17622801	142.602	300	ug/ml
Aromatic C16-C21	8.779	13.069	32802768	259.338	500	ug/ml
Aromatic C21-C36	13.070	18.489	47773589	424.208	800	ug/ml
Aromatic EPH	4.407	18.489	107152305	909.095		ug/ml
2-Bromonaphthalene (SURRE)	7.714	7.714	6397880	62.43		ug/ml
2-Fluorobiphenyl (SURRE)	8.580	8.580	4468318	61.17		ug/ml
ortho-Terphenyl (SURRE)	11.626	11.626	6549966	50.46		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049646.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 15:26
 Operator : YP/AJ
 Sample : PB169364BS
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB169364BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E

Quant Time: Aug 25 01:47:47 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M

Quant Title : GC Extractables

Qlast Update : Mon Aug 11 14:11:57 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...	7.714	6397880	62.426 ug/ml
Spiked Amount 50.000		Recovery =	124.85%
6) S 2-Fluorobiphenyl (SURR)	8.580	4468318	61.171 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	122.34%
11) S ortho-Terphenyl (SURR)	11.626	6549966	50.464 ug/ml
Spiked Amount 50.000		Recovery =	100.93%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.501	3912707	38.656 ug/ml
2) T Naphthalene (C11.7)	6.046	5040440	43.960 ug/ml
3) T 2-Methylnaphthalene (...)	7.102	5108367	42.822 ug/ml
5) T Acenaphthylene (C15.06)	8.383	6201911	49.334 ug/ml
7) T Acenaphthene (C15.5)	8.680	6312523	50.205 ug/ml
8) T Flouorene (C16.55)	9.462	6707239	52.976 ug/ml
9) T Phenanthrene (C19.36)	10.861	6793344	52.589 ug/ml
10) T Anthracene (C19.43)	10.935	5742691	46.615 ug/ml
12) T Fluoranthene (C21.85)	12.676	6851078	53.517 ug/ml
13) T Pyrene (C20.8)	12.974	6708416	52.837 ug/ml
14) T Benzo[a]anthracene (C...	14.846	6235802	54.039 ug/ml
15) T Chrysene (C27.41)	14.892	6815416	58.210 ug/ml
16) T benzo[b]fluoranthene ...	16.399	6158622	54.149 ug/ml
17) T Bnezo[k]fluoranthene ...	16.435	5962858	55.703 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.779	5709993	51.471 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.146	5902599	57.263 ug/ml
20) T Dibenz[a,h]anthracene...	18.184	5626465	51.620 ug/ml
21) T Benzo[g,h,i]perylene ...	18.403	5344496	48.909 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049646.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 15:26
Operator : YP/AJ
Sample : PB169364BS
Misc :
ALS Vial : 61 Sample Multiplier: 1

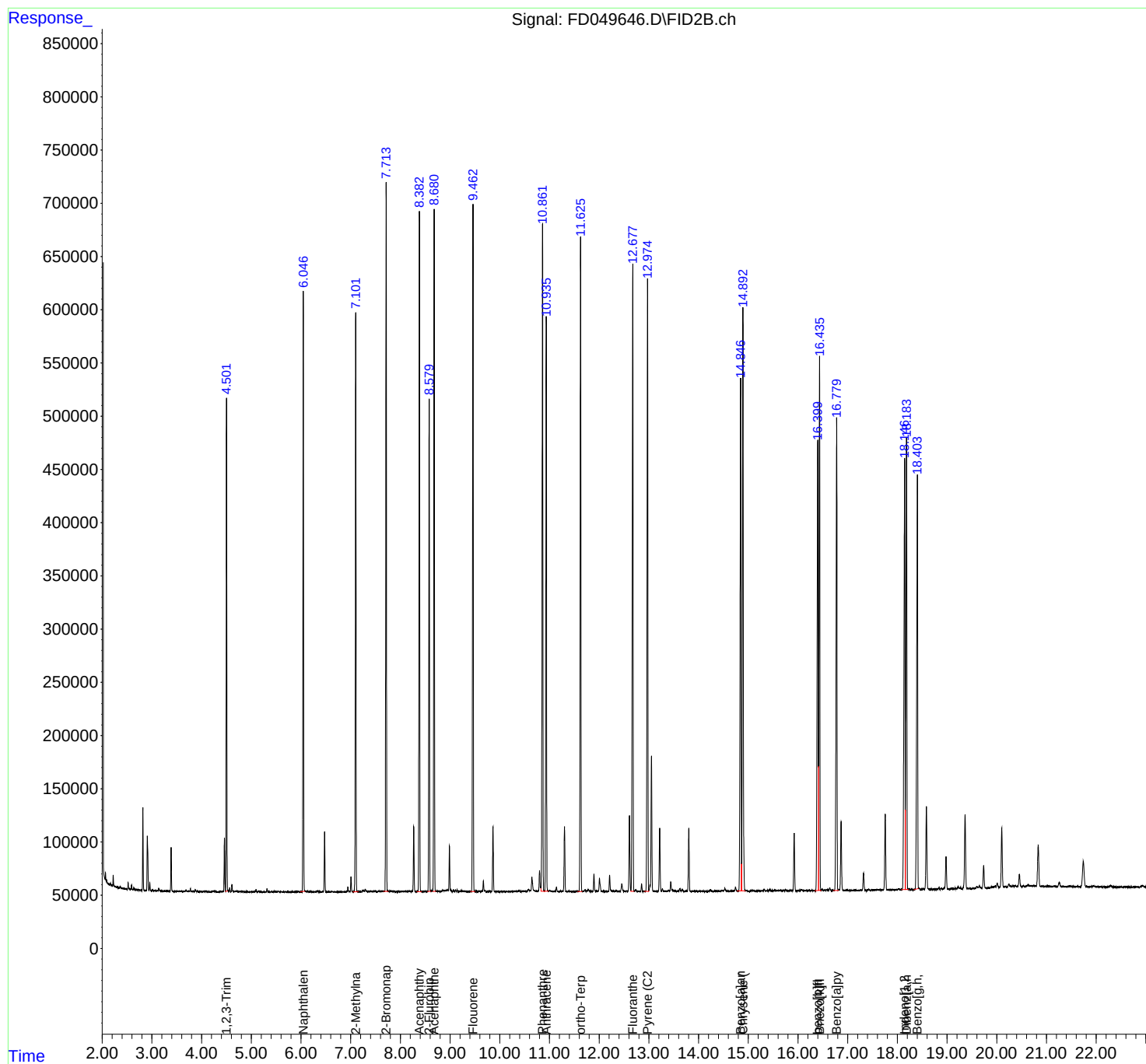
Instrument :
FID_D
ClientSampleId :
PB169364BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E
Quant Time: Aug 25 01:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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 :

PB169364BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD08222
Data File : FD049646.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 15:26
Sample : PB169364BS
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.501	4.479	4.527	PV	463746	3912707	57.11%	3.141%
2	6.046	5.988	6.080	BB	564259	5040440	73.57%	4.046%
3	7.102	7.045	7.155	BB	544372	5108367	74.56%	4.101%
4	7.714	7.660	7.762	BB	666452	6397880	93.39%	5.136%
5	8.383	8.328	8.432	BB	640381	6201911	90.52%	4.979%
6	8.580	8.543	8.618	BV	461751	4468318	65.22%	3.587%
7	8.680	8.648	8.717	BB	640774	6312523	92.14%	5.068%
8	9.462	9.408	9.503	BB	645761	6707239	97.90%	5.384%
9	10.861	10.828	10.897	VV	627069	6793344	99.16%	5.454%
10	10.935	10.897	10.982	VB	540278	5742691	83.82%	4.610%
11	11.626	11.565	11.663	BB	614286	6549966	95.60%	5.258%
12	12.676	12.638	12.707	VV	590987	6851078	100.00%	5.500%
13	12.974	12.905	12.998	BV	578068	6708416	97.92%	5.385%
14	14.846	14.775	14.865	BV	479640	6235802	91.02%	5.006%
15	14.892	14.865	14.943	VB	547058	6815416	99.48%	5.471%
16	16.399	16.332	16.414	BV	422696	6158622	89.89%	4.944%
17	16.435	16.414	16.467	VV	500492	5980196	87.29%	4.801%
18	16.779	16.710	16.813	BV	444832	5709993	83.34%	4.584%
19	18.146	18.077	18.160	BV	406082	5902599	86.16%	4.738%
20	18.184	18.160	18.228	VB	425678	5626465	82.13%	4.517%
21	18.403	18.325	18.425	BV	389056	5344496	78.01%	4.290%
Sum of corrected areas:						124568468		

Aromatic EPH 081125.M Mon Aug 25 02:42:37 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	
Project:	BAPS 2000 Tonnelle Ave	Date Received:	
Client Sample ID:	PB169364BSD	SDG No.:	Q2892
Lab Sample ID:	PB169364BSD	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
08/21/25 11:00	08/22/25 16:31	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.98		1	0.14	1.00	mg/kg FC069709.D
Aliphatic C12-C16	Aliphatic C12-C16	5.54		1	0.11	0.67	mg/kg FC069709.D
Aliphatic C16-C21	Aliphatic C16-C21	9.34		1	0.13	1.00	mg/kg FC069709.D
Aliphatic C21-C28	Aliphatic C21-C28	13.0		1	0.53	1.33	mg/kg FC069709.D
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1	1.18	2.00	mg/kg FC069709.D
Aromatic C10-C12	Aromatic C10-C12	5.35		1	0.12	0.67	mg/kg FD049647.D
Aromatic C12-C16	Aromatic C12-C16	9.12		1	0.23	1.00	mg/kg FD049647.D
Aromatic C16-C21	Aromatic C16-C21	17.1		1	0.40	1.67	mg/kg FD049647.D
Aromatic C21-C36	Aromatic C21-C36	28.9		1	1.19	2.66	mg/kg FD049647.D
Total AliphaticEPH	Total AliphaticEPH	55.6			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	60.5			1.94	6.00	mg/kg
Total EPH	Total EPH	116			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:	BAPS North Bergen Development Inc.		Date Collected:		
Project:	BAPS 2000 Tonnelles Ave		Date Received:		
Client Sample ID:	PB169364BSD		SDG No.:	Q2892	
Lab Sample ID:	PB169364BSD		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
FC069709.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.98		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.54		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.34		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.0		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169364BSD	Acq On:	22 Aug 2025 16:31
Client Sample ID:	PB169364BSD	Operator:	YP/AJ
Data file:	FC069709.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.594	12993064	89.806	300	ug/ml
Aliphatic C12-C16	6.595	9.996	11918196	83.091	200	ug/ml
Aliphatic C16-C21	9.997	13.364	18726760	140.211	300	ug/ml
Aliphatic C21-C28	13.365	17.031	23053397	194.859	400	ug/ml
Aliphatic C28-C40	17.032	22.001	31015232	325.396	600	ug/ml
Aliphatic EPH	3.298	22.001	97706649	833.364		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	4936453	45.28		ug/ml
Aliphatic C9-C28	3.298	17.031	66691417	507.967	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069709.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 16:31
 Operator : YP/AJ
 Sample : PB169364BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB169364BSD

Integration File: autoint1.e
 Quant Time: Aug 25 01:09:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 14:14:17 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...	13.101	4936453	45.279 ug/ml
Spiked Amount 50.000		Recovery =	90.56%
Target Compounds			
1) T n-Nonane (C9)	3.395	3294519	23.124 ug/ml
2) T n-Decane (C10)	4.468	4396052	30.238 ug/ml
4) T n-Dodecane (C12)	6.494	5302493	36.273 ug/ml
6) T n-Tetradecane (C14)	8.294	5854940	41.027 ug/ml
7) T n-Hexadecane (C16)	9.899	6063256	42.059 ug/ml
8) T n-Octadecane (C18)	11.344	6117157	43.258 ug/ml
10) T n-Eicosane (C20)	12.656	6465018	49.078 ug/ml
11) T n-Heneicosane (C21)	13.268	6144585	48.177 ug/ml
13) T n-Docosane (C22)	13.855	6062501	48.531 ug/ml
14) T n-Tetracosane (C24)	14.961	5871554	48.657 ug/ml
15) T n-Hexacosane (C26)	15.983	5616058	48.603 ug/ml
16) T n-Octacosane (C28)	16.934	5503284	49.098 ug/ml
17) T n-Tricontane (C30)	17.823	5641435	49.272 ug/ml
18) T n-Dotriacontane (C32)	18.657	5664617	50.995 ug/ml
19) T n-Tetratriacontane (C34)	19.443	5458026	53.603 ug/ml
20) T n-Hexatriacontane (C36)	20.184	5061475	56.765 ug/ml
21) T n-Octatriacontane (C38)	20.949	4778181	59.399 ug/ml
22) T n-Tetracontane (C40)	21.912	4411498	58.913 ug/ml

(f)=RT Delta > 1/2 Window

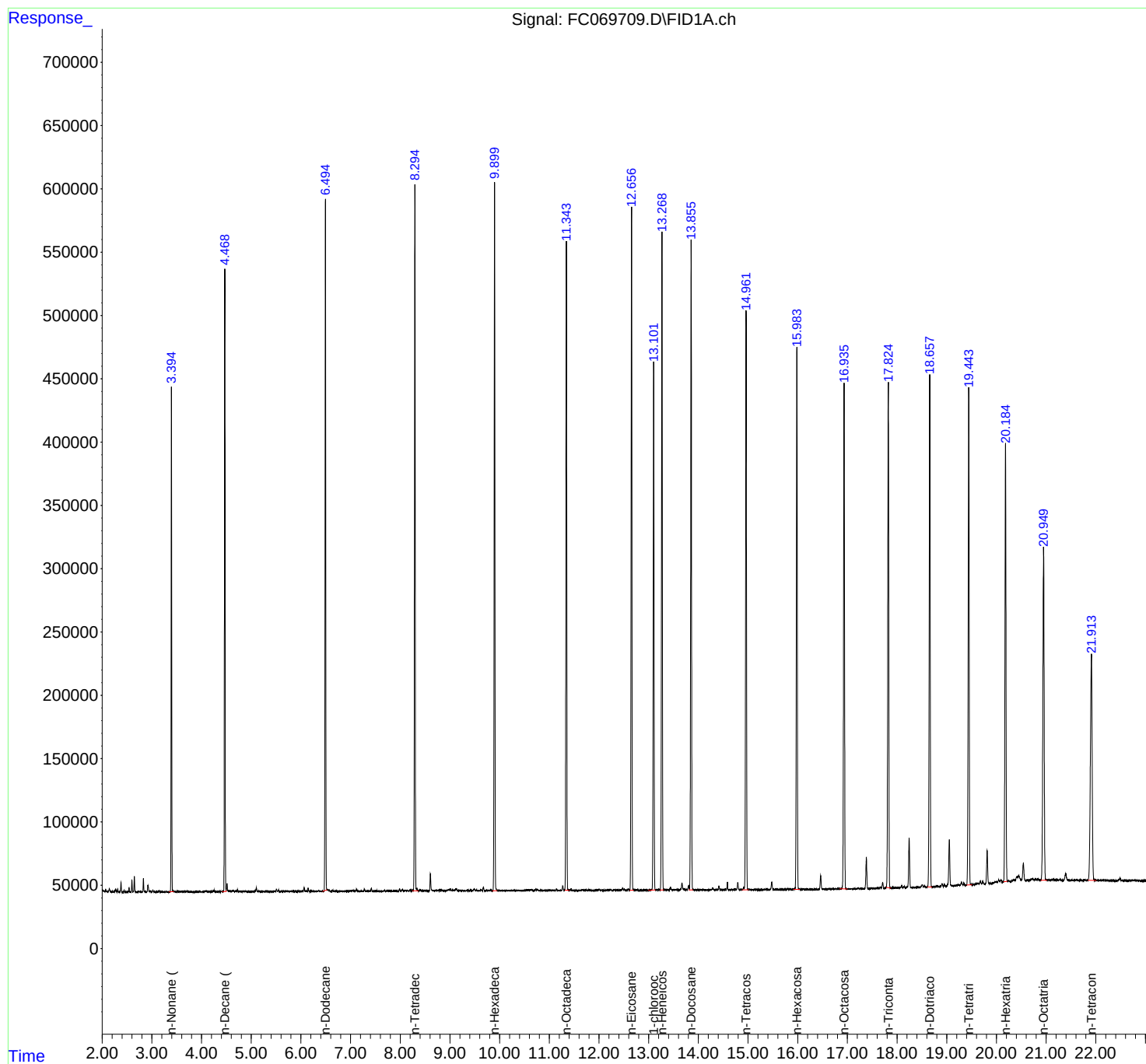
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069709.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 16:31
Operator : YP/AJ
Sample : PB169364BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169364BSD

Integration File: autoint1.e
Quant Time: Aug 25 01:09:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082225AL\
Data File : FC069709.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 16:31
Sample : PB169364BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.395	3.344	3.445	BB	399571	3294519	50.96%	3.210%
2	4.468	4.415	4.496	BV	492853	4396052	68.00%	4.283%
3	6.494	6.440	6.530	BB	546543	5302493	82.02%	5.166%
4	8.294	8.239	8.364	BB	558019	5854940	90.56%	5.704%
5	9.899	9.855	9.954	BB	560210	6063256	93.79%	5.907%
6	11.344	11.310	11.405	BB	512605	6117157	94.62%	5.960%
7	12.656	12.615	12.700	PB	537293	6465018	100.00%	6.299%
8	13.101	12.990	13.139	BB	418309	4936453	76.36%	4.809%
9	13.268	13.227	13.305	BB	519935	6144585	95.04%	5.986%
10	13.855	13.820	13.895	VB	513520	6062501	93.77%	5.906%
11	14.961	14.877	15.017	BB	456091	5871554	90.82%	5.720%
12	15.983	15.914	16.044	BB	427687	5616058	86.87%	5.471%
13	16.934	16.842	17.004	BB	399727	5503284	85.12%	5.362%
14	17.823	17.780	17.879	BB	399380	5641435	87.26%	5.496%
15	18.657	18.610	18.710	BB	403300	5664617	87.62%	5.519%
16	19.443	19.400	19.512	BB	392417	5458026	84.42%	5.317%
17	20.184	20.140	20.220	BV	346054	5061475	78.29%	4.931%
18	20.949	20.890	21.020	BB	263245	4778181	73.91%	4.655%
19	21.912	21.840	22.014	BB	177595	4411498	68.24%	4.298%
Sum of corrected areas:						102643102		

Aliphatic EPH 080125.M Mon Aug 25 01:35:09 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.	Date Collected:	
Project:	BAPS 2000 Tonnelle Ave	Date Received:	
Client Sample ID:	PB169364BSD	SDG No.:	Q2892
Lab Sample ID:	PB169364BSD	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
FD049647.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.35		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.12		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.1		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	28.9		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.0		40 - 140	120%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	59.0		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.1		40 - 140	98%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169364BSD	Acq On:	22 Aug 2025 16:31
Client Sample ID:	PB169364BSD	Operator:	YP/AJ
Data file:	FD049647.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	8670196	80.324	200	ug/ml
Aromatic C12-C16	6.151	8.778	16907845	136.817	300	ug/ml
Aromatic C16-C21	8.779	13.069	32435092	256.432	500	ug/ml
Aromatic C21-C36	13.070	18.489	48829811	433.587	800	ug/ml
Aromatic EPH	4.407	18.489	106842944	907.16		ug/ml
2-Bromonaphthalene (SURRE)	7.714	7.714	6152246	60.03		ug/ml
2-Fluorobiphenyl (SURRE)	8.580	8.580	4307433	58.97		ug/ml
ortho-Terphenyl (SURRE)	11.627	11.627	6379155	49.15		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049647.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2025 16:31
 Operator : YP/AJ
 Sample : PB169364BSD
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169364BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2025
 Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E
 Quant Time: Aug 25 01:48:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.714	6152246	60.030 ug/ml
Spiked Amount 50.000		Recovery =	120.06%
6) S 2-Fluorobiphenyl (SURR)	8.580	4307433	58.969 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	117.94%
11) S ortho-Terphenyl (SURR)	11.627	6379155	49.148 ug/ml
Spiked Amount 50.000		Recovery =	98.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.503	3801634	37.558 ug/ml
2) T Naphthalene (C11.7)	6.048	4868562	42.461 ug/ml
3) T 2-Methylnaphthalene (...)	7.103	4908786	41.149 ug/ml
5) T Acenaphthylene (C15.06)	8.383	5956126	47.379 ug/ml
7) T Acenaphthene (C15.5)	8.680	6042933	48.061 ug/ml
8) T Flouorene (C16.55)	9.462	6476002	51.150 ug/ml
9) T Phenanthrene (C19.36)	10.861	6674172	51.667 ug/ml
10) T Anthracene (C19.43)	10.936	5675493	46.070 ug/ml
12) T Fluoranthene (C21.85)	12.677	6865432	53.629 ug/ml
13) T Pyrene (C20.8)	12.976	6743993	53.117 ug/ml
14) T Benzo[a]anthracene (C...	14.849	6362083	55.133 ug/ml
15) T Chrysene (C27.41)	14.894	6940665	59.280 ug/ml
16) T benzo[b]fluoranthene ...	16.401	6287433	55.282 ug/ml
17) T Bnezo[k]fluoranthene ...	16.437	6089129	56.883 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.781	5826139	52.518 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	6042968	58.625 ug/ml
20) T Dibenz[a,h]anthracene...	18.186	5782799	53.054 ug/ml
21) T Benzo[g,h,i]perylene ...	18.405	5460914	49.974 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049647.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 16:31
Operator : YP/AJ
Sample : PB169364BSD
Misc :
ALS Vial : 62 Sample Multiplier: 1

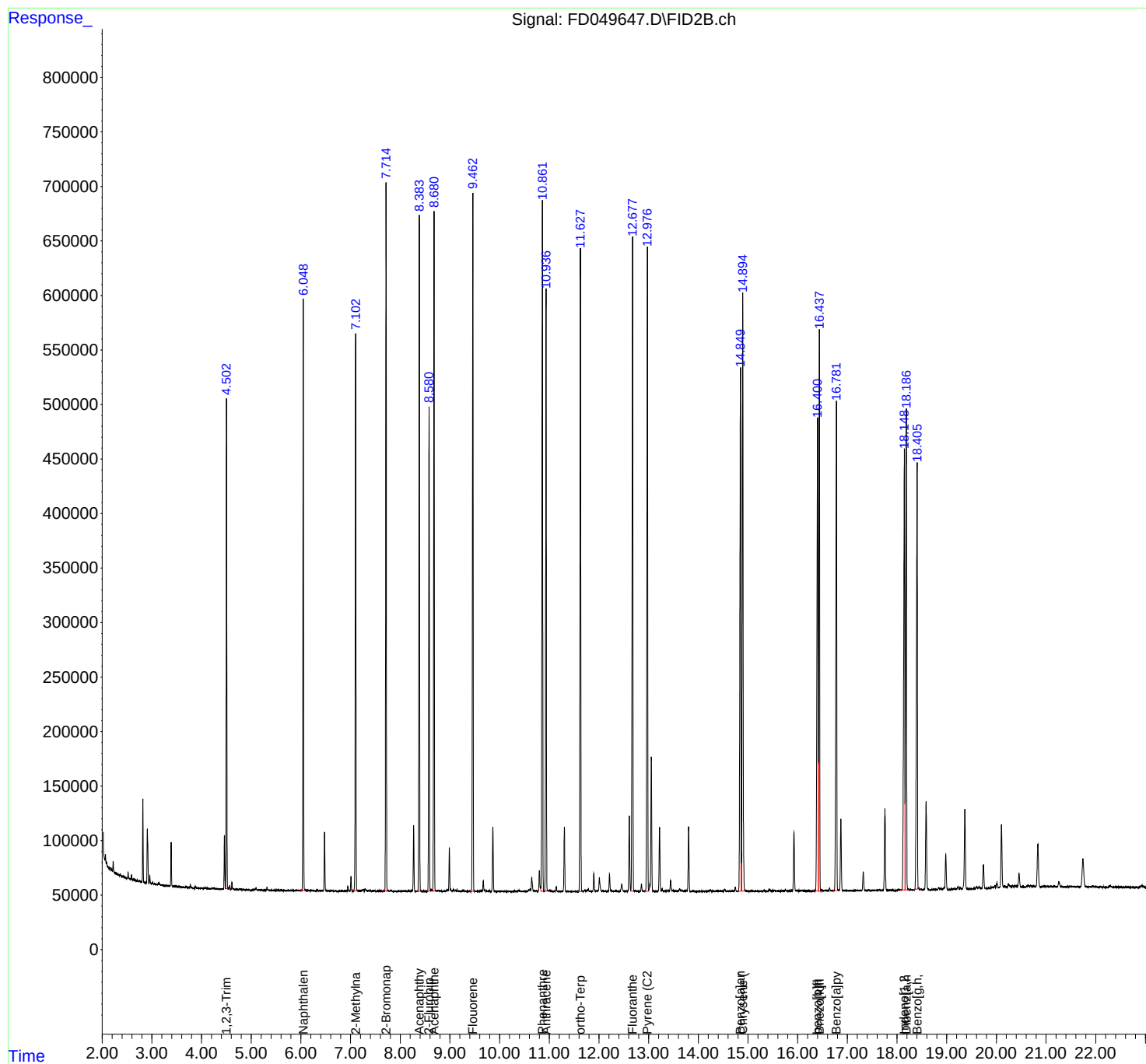
Instrument :
FID_D
ClientSampleId :
PB169364BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E
Quant Time: Aug 25 01:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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 :

PB169364BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD08222
Data File : FD049647.D
Signal(s) : FID2B.ch
Acq On : 22 Aug 2025 16:31
Sample : PB169364BSD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.503	4.481	4.528	PV	449223	3801634	54.77%	3.074%
2	6.048	5.990	6.084	BB	542573	4868562	70.15%	3.936%
3	7.103	7.047	7.142	BB	510840	4908786	70.73%	3.969%
4	7.714	7.625	7.762	BB	648883	6152246	88.64%	4.974%
5	8.383	8.320	8.432	BB	621578	5956126	85.81%	4.816%
6	8.580	8.545	8.607	BB	444159	4307433	62.06%	3.483%
7	8.680	8.625	8.712	BB	622841	6042933	87.07%	4.886%
8	9.462	9.395	9.504	BB	640956	6476002	93.31%	5.236%
9	10.861	10.830	10.895	VV	634562	6674172	96.16%	5.396%
10	10.936	10.895	10.980	PB	548973	5675493	81.77%	4.589%
11	11.627	11.565	11.677	BB	589387	6379155	91.91%	5.158%
12	12.677	12.640	12.707	VV	600085	6865432	98.92%	5.551%
13	12.976	12.905	13.001	BV	589065	6743993	97.17%	5.453%
14	14.849	14.787	14.867	BV	480197	6362083	91.66%	5.144%
15	14.894	14.867	14.950	VB	548265	6940665	100.00%	5.612%
16	16.401	16.325	16.416	BV	433720	6287433	90.59%	5.084%
17	16.437	16.416	16.465	VV	515833	6126810	88.27%	4.954%
18	16.781	16.712	16.809	BB	450454	5826139	83.94%	4.711%
19	18.148	18.067	18.162	BV	405412	6042968	87.07%	4.886%
20	18.186	18.162	18.240	VB	438654	5782799	83.32%	4.676%
21	18.405	18.325	18.427	BV	393099	5460914	78.68%	4.415%
Sum of corrected areas:						123681778		

Aromatic EPH 081125.M Mon Aug 25 02:46:39 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMS		SDG No.:	Q2892
Lab Sample ID:	Q2892-05MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	88.5
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
08/21/25 11:00	08/22/25 19:28	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.12		1	0.16	1.13	mg/kg FC069713.D
Aliphatic C12-C16	Aliphatic C12-C16	5.39		1	0.12	0.75	mg/kg FC069713.D
Aliphatic C16-C21	Aliphatic C16-C21	9.04		1	0.15	1.13	mg/kg FC069713.D
Aliphatic C21-C28	Aliphatic C21-C28	12.1		1	0.60	1.50	mg/kg FC069713.D
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1	1.33	2.26	mg/kg FC069713.D
Aromatic C10-C12	Aromatic C10-C12	6.53		1	0.14	0.75	mg/kg FD049660.D
Aromatic C12-C16	Aromatic C12-C16	10.7		1	0.26	1.13	mg/kg FD049660.D
Aromatic C16-C21	Aromatic C16-C21	23.2		1	0.45	1.88	mg/kg FD049660.D
Aromatic C21-C36	Aromatic C21-C36	36.9		1	1.34	3.01	mg/kg FD049660.D
Total AliphaticEPH	Total AliphaticEPH	53.5			2.36	6.77	mg/kg
Total AromaticEPH	Total AromaticEPH	77.3			2.19	6.77	mg/kg
Total EPH	Total EPH	131			4.54	13.5	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelles Ave		Date Received:	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMS		SDG No.:	Q2892
Lab Sample ID:	Q2892-05MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	88.5
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
FC069713.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.12		0.16	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.39		0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.04		0.15	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.1		0.60	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2892-05MS	Acq On:	22 Aug 2025 19:28
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMS	Operator:	YP/AJ
Data file:	FC069713.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.594	11771671	81.364	300	ug/ml
Aliphatic C12-C16	6.595	9.996	10277125	71.65	200	ug/ml
Aliphatic C16-C21	9.997	13.364	16040854	120.101	300	ug/ml
Aliphatic C21-C28	13.365	17.031	18977000	160.404	400	ug/ml
Aliphatic C28-C40	17.032	22.001	26397718	276.952	600	ug/ml
Aliphatic EPH	3.298	22.001	83464368	710.47		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.099	13.099	3393585	31.13		ug/ml
Aliphatic C9-C28	3.298	17.031	57066650	433.519	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069713.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 19:28
 Operator : YP/AJ
 Sample : Q2892-05MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-CMS

Integration File: autoint1.e
 Quant Time: Aug 25 01:25:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 14:14:17 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...	13.099	3393585	31.127 ug/ml
Spiked Amount 50.000		Recovery =	62.25%
Target Compounds			
1) T n-Nonane (C9)	3.399	3187470	22.373 ug/ml
2) T n-Decane (C10)	4.471	3846559	26.458 ug/ml
4) T n-Dodecane (C12)	6.495	4241021	29.011 ug/ml
6) T n-Tetradecane (C14)	8.293	4579525	32.090 ug/ml
7) T n-Hexadecane (C16)	9.898	5079461	35.235 ug/ml
8) T n-Octadecane (C18)	11.342	5257591	37.179 ug/ml
10) T n-Eicosane (C20)	12.654	5263479	39.957 ug/ml
11) T n-Heneicosane (C21)	13.267	5030872	39.444 ug/ml
13) T n-Docosane (C22)	13.854	4907801	39.287 ug/ml
14) T n-Tetracosane (C24)	14.958	4740165	39.282 ug/ml
15) T n-Hexacosane (C26)	15.980	4517340	39.094 ug/ml
16) T n-Octacosane (C28)	16.932	4335605	38.680 ug/ml
17) T n-Tricontane (C30)	17.821	4265022	37.250 ug/ml
18) T n-Dotriacontane (C32)	18.654	4219689	37.987 ug/ml
19) T n-Tetratriacontane (C34)	19.438	4164481	40.899 ug/ml
20) T n-Hexatriacontane (C36)	20.180	4009704	44.969 ug/ml
21) T n-Octatriacontane (C38)	20.946	3899552	48.476 ug/ml
22) T n-Tetracontane (C40)	21.908	3521030	47.021 ug/ml

(f)=RT Delta > 1/2 Window

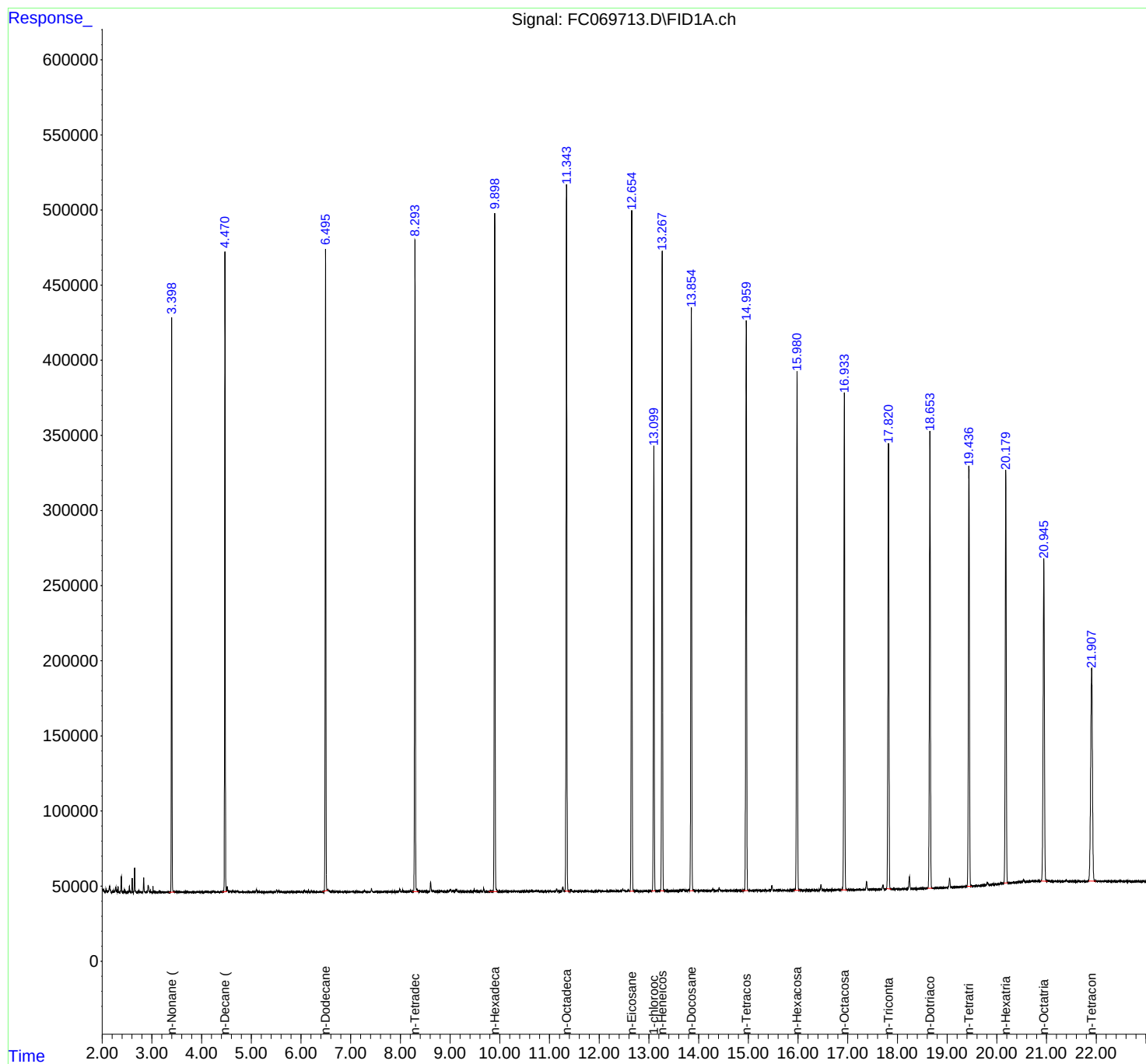
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069713.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 19:28
Operator : YP/AJ
Sample : Q2892-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-CMS

Integration File: autoint1.e
Quant Time: Aug 25 01:25:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082225AL\
Data File : FC069713.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 19:28
Sample : Q2892-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.224	3.205	3.238	BV	132	2094	0.04%	0.002%
2	3.248	3.238	3.265	PV	118	1281	0.02%	0.001%
3	3.293	3.265	3.321	VV	176	2838	0.05%	0.003%
4	3.335	3.321	3.368	PV	46	1039	0.02%	0.001%
5	3.399	3.368	3.487	VV	380186	3200722	60.65%	3.684%
6	3.498	3.487	3.508	VV	316	2696	0.05%	0.003%
7	3.527	3.508	3.566	VV	355	9151	0.17%	0.011%
8	3.587	3.566	3.635	VV	382	7178	0.14%	0.008%
9	3.643	3.635	3.653	VV	131	1277	0.02%	0.001%
10	3.676	3.653	3.695	VV	381	5476	0.10%	0.006%
11	3.718	3.695	3.754	VV	382	6982	0.13%	0.008%
12	3.772	3.754	3.801	VV	238	3212	0.06%	0.004%
13	3.811	3.801	3.831	VV	126	1708	0.03%	0.002%
14	3.845	3.831	3.881	VV	131	3138	0.06%	0.004%
15	3.896	3.881	3.941	VV	333	6283	0.12%	0.007%
16	3.981	3.941	4.035	VV	285	8118	0.15%	0.009%
17	4.070	4.035	4.082	VV	389	5821	0.11%	0.007%
18	4.098	4.082	4.125	VV	707	7956	0.15%	0.009%
19	4.131	4.125	4.150	VV	188	2202	0.04%	0.003%
20	4.165	4.150	4.194	VV	328	4470	0.08%	0.005%
21	4.238	4.194	4.265	VV	599	12271	0.23%	0.014%
22	4.279	4.265	4.321	VV	239	5345	0.10%	0.006%
23	4.337	4.321	4.355	VV	206	2976	0.06%	0.003%
24	4.397	4.355	4.411	VV	225	6191	0.12%	0.007%
25	4.424	4.411	4.441	VV	196	3561	0.07%	0.004%
26	4.471	4.441	4.500	VV	426136	3857478	73.10%	4.439%
27	4.516	4.500	4.559	VV	3830	53221	1.01%	0.061%
28	4.576	4.559	4.605	VV	770	12875	0.24%	0.015%
29	4.634	4.605	4.660	VV	652	15484	0.29%	0.018%
30	4.695	4.660	4.709	VV	537	10219	0.19%	0.012%
31	4.725	4.709	4.742	VV	977	10012	0.19%	0.012%
32	4.756	4.742	4.768	VV	310	3192	0.06%	0.004%
33	4.776	4.768	4.818	VV	229	4591	0.09%	0.005%
34	4.844	4.818	4.875	VV	174	4172	0.08%	0.005%
35	4.891	4.875	4.913	VV	171	2473	0.05%	0.003%
36	4.950	4.913	4.971	VV	188	3954	0.07%	0.005%

					rteres			
37	5.030	4.971	5.058	VV	185	4513	0.09%	0.005%
38	5.079	5.058	5.087	VV	314	3198	0.06%	0.004%
39	5.106	5.087	5.140	VV	1723	20098	0.38%	0.023%
40	5.163	5.140	5.183	VV	336	4989	0.09%	0.006%
41	5.197	5.183	5.231	VV	164	3067	0.06%	0.004%
42	5.301	5.231	5.317	VV	172	3769	0.07%	0.004%
43	5.376	5.317	5.388	VV	178	5005	0.09%	0.006%
44	5.420	5.388	5.463	VV	156	3566	0.07%	0.004%
45	5.478	5.463	5.491	VV	108	1481	0.03%	0.002%
46	5.510	5.491	5.532	VV	1739	17720	0.34%	0.020%
47	5.551	5.532	5.598	VV	797	10910	0.21%	0.013%
48	5.609	5.598	5.638	VV	231	3028	0.06%	0.003%
49	5.698	5.638	5.718	VV	197	5298	0.10%	0.006%
50	5.727	5.718	5.772	VV	160	2518	0.05%	0.003%
51	5.800	5.772	5.840	VV	226	4767	0.09%	0.005%
52	5.859	5.840	5.903	VV	162	4492	0.09%	0.005%
53	5.922	5.903	5.949	VV	168	3096	0.06%	0.004%
54	5.965	5.949	5.993	VV	172	3478	0.07%	0.004%
55	6.007	5.993	6.035	VV	211	3503	0.07%	0.004%
56	6.068	6.035	6.092	VV	1165	16591	0.31%	0.019%
57	6.109	6.092	6.131	VV	431	6971	0.13%	0.008%
58	6.151	6.131	6.182	VV	756	10356	0.20%	0.012%
59	6.213	6.182	6.268	VV	563	12027	0.23%	0.014%
60	6.282	6.268	6.328	VV	226	5748	0.11%	0.007%
61	6.336	6.328	6.358	VV	182	2710	0.05%	0.003%
62	6.382	6.358	6.418	VV	236	5748	0.11%	0.007%
63	6.425	6.418	6.445	VV	190	2479	0.05%	0.003%
64	6.495	6.445	6.538	VV	426114	4287295	81.24%	4.934%
65	6.545	6.538	6.596	VV	1409	27806	0.53%	0.032%
66	6.610	6.596	6.628	VV	351	5145	0.10%	0.006%
67	6.642	6.628	6.665	VV	822	10211	0.19%	0.012%
68	6.678	6.665	6.700	VV	306	4651	0.09%	0.005%
69	6.714	6.700	6.745	VV	363	4937	0.09%	0.006%
70	6.764	6.745	6.791	VV	205	3120	0.06%	0.004%
71	6.818	6.791	6.847	VV	253	4385	0.08%	0.005%
72	6.857	6.847	6.908	VV	168	4697	0.09%	0.005%
73	6.938	6.908	6.974	VV	373	6662	0.13%	0.008%
74	6.991	6.974	7.022	VV	414	7821	0.15%	0.009%
75	7.051	7.022	7.084	VV	347	8669	0.16%	0.010%
76	7.118	7.084	7.152	VV	563	11842	0.22%	0.014%
77	7.157	7.152	7.181	VV	179	1838	0.03%	0.002%
78	7.198	7.181	7.211	VV	150	2214	0.04%	0.003%
79	7.220	7.211	7.243	VV	194	2302	0.04%	0.003%
80	7.279	7.243	7.307	VV	1069	13787	0.26%	0.016%
81	7.317	7.307	7.325	VV	122	1124	0.02%	0.001%
82	7.336	7.325	7.371	VV	178	3440	0.07%	0.004%
83	7.387	7.371	7.397	VV	208	2283	0.04%	0.003%
84	7.419	7.397	7.454	VV	2217	25954	0.49%	0.030%
85	7.482	7.454	7.495	VV	148	3049	0.06%	0.004%
86	7.512	7.495	7.558	VV	307	4897	0.09%	0.006%
87	7.576	7.558	7.628	VV	141	3479	0.07%	0.004%
88	7.640	7.628	7.662	VV	107	1302	0.02%	0.001%
89	7.681	7.662	7.730	VV	521	7071	0.13%	0.008%

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90	7.766	7.730	7.811	VV	177	6422	0.12%	0.007%
91	7.818	7.811	7.828	VV	126	1127	0.02%	0.001%
92	7.850	7.828	7.860	VV	198	3017	0.06%	0.003%
93	7.876	7.860	7.918	VV	179	4612	0.09%	0.005%
94	7.942	7.918	7.961	VV	232	3528	0.07%	0.004%
95	7.986	7.961	8.014	PV	1907	22862	0.43%	0.026%
96	8.043	8.014	8.064	VV	1432	17190	0.33%	0.020%
97	8.081	8.064	8.101	VV	237	3513	0.07%	0.004%
98	8.109	8.101	8.128	VV	202	2655	0.05%	0.003%
99	8.149	8.128	8.175	VV	328	6678	0.13%	0.008%
100	8.198	8.175	8.233	VV	876	13722	0.26%	0.016%
101	8.294	8.233	8.371	VV	430966	4597741	87.13%	5.291%
102	8.405	8.371	8.431	VV	496	14136	0.27%	0.016%
103	8.444	8.431	8.468	VV	312	4196	0.08%	0.005%
104	8.482	8.468	8.511	VV	379	7119	0.13%	0.008%
105	8.523	8.511	8.568	VV	484	7136	0.14%	0.008%
106	8.571	8.568	8.581	VV	148	802	0.02%	0.001%
107	8.608	8.581	8.688	VV	6561	93876	1.78%	0.108%
108	8.703	8.688	8.731	VV	282	6117	0.12%	0.007%
109	8.753	8.731	8.767	VV	363	5813	0.11%	0.007%
110	8.782	8.767	8.810	VV	403	7223	0.14%	0.008%
111	8.829	8.810	8.871	VV	627	12895	0.24%	0.015%
112	8.895	8.871	8.921	VV	290	4324	0.08%	0.005%
113	8.945	8.921	8.968	VV	274	5685	0.11%	0.007%
114	9.012	8.968	9.036	VV	1566	33641	0.64%	0.039%
115	9.051	9.036	9.086	VV	575	11398	0.22%	0.013%
116	9.116	9.086	9.165	VV	1224	31237	0.59%	0.036%
117	9.171	9.165	9.181	VV	258	1781	0.03%	0.002%
118	9.203	9.181	9.225	VV	351	4939	0.09%	0.006%
119	9.253	9.225	9.283	VV	269	4062	0.08%	0.005%
120	9.303	9.283	9.321	VV	156	2446	0.05%	0.003%
121	9.357	9.321	9.386	VV	279	6418	0.12%	0.007%
122	9.416	9.386	9.461	VV	491	9937	0.19%	0.011%
123	9.488	9.461	9.517	VV	1044	17015	0.32%	0.020%
124	9.535	9.517	9.568	VV	608	8848	0.17%	0.010%
125	9.582	9.568	9.595	VV	212	2253	0.04%	0.003%
126	9.628	9.595	9.651	VV	566	10217	0.19%	0.012%
127	9.675	9.651	9.705	VV	2144	24081	0.46%	0.028%
128	9.734	9.705	9.749	PV	176	2851	0.05%	0.003%
129	9.767	9.749	9.794	VV	202	3499	0.07%	0.004%
130	9.814	9.794	9.851	VV	480	8887	0.17%	0.010%
131	9.898	9.851	10.035	VV	452215	5096346	96.58%	5.865%
132	10.043	10.035	10.055	VV	204	1984	0.04%	0.002%
133	10.067	10.055	10.086	VV	181	2447	0.05%	0.003%
134	10.120	10.086	10.158	VV	384	7600	0.14%	0.009%
135	10.171	10.158	10.190	VV	243	2656	0.05%	0.003%
136	10.221	10.190	10.238	VV	253	3939	0.07%	0.005%
137	10.288	10.238	10.307	VV	413	10635	0.20%	0.012%
138	10.331	10.307	10.348	VV	286	5390	0.10%	0.006%
139	10.382	10.348	10.408	VV	225	6366	0.12%	0.007%
140	10.425	10.408	10.433	VV	171	1991	0.04%	0.002%
141	10.447	10.433	10.458	VV	161	2005	0.04%	0.002%

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142	10.460	10.458	10.471	VV	174	809	0.02%	0.001%
143	10.498	10.471	10.510	VV	269	4177	0.08%	0.005%
144	10.536	10.510	10.550	VV	345	6252	0.12%	0.007%
145	10.568	10.550	10.618	VV	392	12413	0.24%	0.014%
146	10.636	10.618	10.673	VV	614	12093	0.23%	0.014%
147	10.694	10.673	10.707	VV	334	4823	0.09%	0.006%
148	10.734	10.707	10.795	VV	795	23809	0.45%	0.027%
149	10.825	10.795	10.839	VV	236	5461	0.10%	0.006%
150	10.849	10.839	10.874	VV	271	3927	0.07%	0.005%
151	10.890	10.874	10.934	VV	181	4850	0.09%	0.006%
152	10.962	10.934	10.986	VV	366	6721	0.13%	0.008%
153	11.007	10.986	11.030	VV	470	7166	0.14%	0.008%
154	11.061	11.030	11.116	VV	297	11142	0.21%	0.013%
155	11.143	11.116	11.181	VV	1698	21788	0.41%	0.025%
156	11.269	11.181	11.301	PV	3093	45473	0.86%	0.052%
157	11.342	11.301	11.411	VV	468420	5277058	100.00%	6.073%
158	11.435	11.411	11.478	VV	1096	17269	0.33%	0.020%
159	11.498	11.478	11.518	VV	138	2419	0.05%	0.003%
160	11.572	11.518	11.596	VV	159	4348	0.08%	0.005%
161	11.615	11.596	11.625	VV	174	2404	0.05%	0.003%
162	11.657	11.625	11.681	VV	271	6847	0.13%	0.008%
163	11.698	11.681	11.715	VV	219	3286	0.06%	0.004%
164	11.729	11.715	11.767	VV	326	7225	0.14%	0.008%
165	11.801	11.767	11.841	VV	360	10518	0.20%	0.012%
166	11.854	11.841	11.885	VV	177	3645	0.07%	0.004%
167	11.912	11.885	11.921	VV	199	3147	0.06%	0.004%
168	11.943	11.921	11.956	VV	291	4290	0.08%	0.005%
169	12.008	11.956	12.041	VV	649	16741	0.32%	0.019%
170	12.052	12.041	12.078	VV	242	4223	0.08%	0.005%
171	12.109	12.078	12.127	VV	214	5010	0.09%	0.006%
172	12.155	12.127	12.184	VV	219	5927	0.11%	0.007%
173	12.233	12.184	12.261	VV	415	11697	0.22%	0.013%
174	12.302	12.261	12.331	VV	371	10388	0.20%	0.012%
175	12.347	12.331	12.367	VV	308	5325	0.10%	0.006%
176	12.381	12.367	12.406	VV	289	4596	0.09%	0.005%
177	12.475	12.406	12.545	VV	1325	37458	0.71%	0.043%
178	12.591	12.545	12.613	VV	823	12815	0.24%	0.015%
179	12.654	12.613	12.706	VV	454089	5270013	99.87%	6.065%
180	12.714	12.706	12.725	VV	255	2577	0.05%	0.003%
181	12.736	12.725	12.752	VV	327	3818	0.07%	0.004%
182	12.770	12.752	12.791	VV	391	5200	0.10%	0.006%
183	12.801	12.791	12.825	VV	158	2427	0.05%	0.003%
184	12.834	12.825	12.880	VV	163	3222	0.06%	0.004%
185	12.926	12.880	12.964	PV	242	9086	0.17%	0.010%
186	12.977	12.964	12.994	VV	182	2384	0.05%	0.003%
187	13.099	12.994	13.178	VV	290426	3420149	64.81%	3.936%
188	13.208	13.178	13.225	VV	379	7850	0.15%	0.009%
189	13.267	13.225	13.348	VV	427034	5051914	95.73%	5.814%
190	13.359	13.348	13.417	VV	325	9810	0.19%	0.011%
191	13.428	13.417	13.434	VV	222	1665	0.03%	0.002%
192	13.489	13.434	13.508	VV	256	9016	0.17%	0.010%
193	13.536	13.508	13.551	VV	367	7095	0.13%	0.008%
194	13.564	13.551	13.592	VV	283	4866	0.09%	0.006%

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195	13.609	13.592	13.624	VV	310	4361	0.08%	0.005%
196	13.644	13.624	13.663	VV	708	9993	0.19%	0.012%
197	13.694	13.663	13.744	VV	1111	23742	0.45%	0.027%
198	13.752	13.744	13.772	VV	309	4396	0.08%	0.005%
199	13.798	13.772	13.814	VV	756	11884	0.23%	0.014%
200	13.854	13.814	13.898	VV	390117	4919896	93.23%	5.662%
201	13.909	13.898	13.945	VV	427	7549	0.14%	0.009%
202	13.955	13.945	13.964	VV	183	1885	0.04%	0.002%
203	13.984	13.964	14.021	VV	301	6976	0.13%	0.008%
204	14.039	14.021	14.134	VV	279	14828	0.28%	0.017%
205	14.181	14.134	14.211	VV	216	7124	0.13%	0.008%
206	14.289	14.211	14.330	VV	1032	23087	0.44%	0.027%
207	14.366	14.330	14.381	VV	238	5603	0.11%	0.006%
208	14.414	14.381	14.464	VV	2088	32980	0.62%	0.038%
209	14.477	14.464	14.522	VV	272	7182	0.14%	0.008%
210	14.571	14.522	14.585	VV	260	7671	0.15%	0.009%
211	14.623	14.585	14.641	VV	268	6233	0.12%	0.007%
212	14.661	14.641	14.668	VV	198	2688	0.05%	0.003%
213	14.676	14.668	14.688	VV	192	1969	0.04%	0.002%
214	14.701	14.688	14.715	VV	308	3332	0.06%	0.004%
215	14.730	14.715	14.746	VV	215	3256	0.06%	0.004%
216	14.769	14.746	14.785	VV	227	3638	0.07%	0.004%
217	14.811	14.785	14.871	VV	376	9209	0.17%	0.011%
218	14.958	14.871	15.062	VV	376146	4756193	90.13%	5.474%
219	15.115	15.062	15.143	VV	172	4825	0.09%	0.006%
220	15.152	15.143	15.182	VV	186	3430	0.06%	0.004%
221	15.197	15.182	15.245	VV	149	3664	0.07%	0.004%
222	15.259	15.245	15.276	PV	147	1777	0.03%	0.002%
223	15.290	15.276	15.321	VV	181	2302	0.04%	0.003%
224	15.385	15.321	15.405	PV	164	5619	0.11%	0.006%
225	15.475	15.405	15.559	VV	3179	50443	0.96%	0.058%
226	15.618	15.559	15.631	VV	169	3484	0.07%	0.004%
227	15.652	15.631	15.664	VV	72	1570	0.03%	0.002%
228	15.673	15.664	15.716	VV	134	2849	0.05%	0.003%
229	15.796	15.716	15.828	VV	243	9719	0.18%	0.011%
230	15.845	15.828	15.878	VV	247	5397	0.10%	0.006%
231	15.980	15.878	16.101	VV	349996	4531647	85.87%	5.215%
232	16.143	16.101	16.225	PV	187	7029	0.13%	0.008%
233	16.288	16.225	16.313	PV	194	6291	0.12%	0.007%
234	16.461	16.313	16.541	PV	3842	61298	1.16%	0.071%
235	16.630	16.541	16.718	VV	224	12086	0.23%	0.014%
236	16.757	16.718	16.781	VV	195	5128	0.10%	0.006%
237	16.810	16.781	16.839	VV	431	8070	0.15%	0.009%
238	16.932	16.839	17.001	VV	327420	4347536	82.39%	5.003%
239	17.022	17.001	17.067	VV	181	4519	0.09%	0.005%
240	17.081	17.067	17.105	VV	150	1770	0.03%	0.002%
241	17.161	17.105	17.178	PV	109	3235	0.06%	0.004%
242	17.214	17.178	17.241	VV	253	5482	0.10%	0.006%
243	17.266	17.241	17.288	VV	152	3036	0.06%	0.003%
244	17.380	17.288	17.445	VV	5423	80888	1.53%	0.093%
245	17.480	17.445	17.585	PV	166	7046	0.13%	0.008%
246	17.603	17.585	17.628	VV	191	2742	0.05%	0.003%

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247	17.708	17.628	17.745	VV	2910	45368	0.86%	0.052%
248	17.820	17.745	17.893	VV	298984	4290609	81.31%	4.938%
249	17.909	17.893	17.948	VV	220	3828	0.07%	0.004%
250	17.980	17.948	18.055	VV	200	6382	0.12%	0.007%
251	18.092	18.055	18.118	VV	194	3960	0.08%	0.005%
252	18.140	18.118	18.158	PV	154	1811	0.03%	0.002%
253	18.240	18.158	18.288	VV	8297	114624	2.17%	0.132%
254	18.406	18.288	18.421	VV	84	3267	0.06%	0.004%
255	18.502	18.421	18.531	PV	126	4750	0.09%	0.005%
256	18.547	18.531	18.573	VV	175	3250	0.06%	0.004%
257	18.654	18.573	18.713	VV	303674	4227548	80.11%	4.865%
258	18.786	18.713	18.808	VV	119	3910	0.07%	0.005%
259	18.909	18.808	18.958	VV	201	7158	0.14%	0.008%
260	18.979	18.958	19.005	PV	136	2397	0.05%	0.003%
261	19.049	19.005	19.108	PV	6026	88138	1.67%	0.101%
262	19.225	19.108	19.245	VV	258	13724	0.26%	0.016%
263	19.438	19.245	19.498	VV	275842	4209518	79.77%	4.845%
264	19.594	19.498	19.617	VV	604	31165	0.59%	0.036%
265	19.727	19.617	19.754	VV	665	44216	0.84%	0.051%
266	19.812	19.754	19.847	VV	2497	61051	1.16%	0.070%
267	19.922	19.847	19.938	VV	928	43194	0.82%	0.050%
268	19.997	19.938	20.014	VV	1067	42759	0.81%	0.049%
269	20.083	20.014	20.115	VV	1701	77405	1.47%	0.089%
270	20.180	20.115	20.258	VV	273233	4141638	78.48%	4.766%
271	20.540	20.258	20.588	VV	2945	359891	6.82%	0.414%
272	20.722	20.588	20.745	VV	2102	184216	3.49%	0.212%
273	20.780	20.745	20.815	VV	2049	84277	1.60%	0.097%
274	20.838	20.815	20.867	VV	2005	62277	1.18%	0.072%
275	20.946	20.867	21.028	VV	215634	4069392	77.11%	4.683%
276	21.060	21.028	21.105	VV	1653	71503	1.35%	0.082%
277	21.122	21.105	21.189	VV	1444	69179	1.31%	0.080%
278	21.208	21.189	21.243	VV	1288	39012	0.74%	0.045%
279	21.307	21.243	21.348	VV	1163	70253	1.33%	0.081%
280	21.391	21.348	21.492	VV	1628	95571	1.81%	0.110%
281	21.524	21.492	21.551	VV	876	29810	0.56%	0.034%
282	21.589	21.551	21.674	VV	780	50609	0.96%	0.058%
283	21.761	21.674	21.783	VV	659	39410	0.75%	0.045%
284	21.907	21.783	22.114	VV	142183	3596449	68.15%	4.139%
285	22.131	22.114	22.151	VV	122	1476	0.03%	0.002%

Sum of corrected areas: 86892202

Aliphatic EPH 080125.M Mon Aug 25 01:39:28 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelles Ave		Date Received:	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMS		SDG No.:	Q2892
Lab Sample ID:	Q2892-05MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	88.5
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
FD049660.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.53		0.14	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.7		0.26	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	23.2		0.45	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	36.9		1.34	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.6		40 - 140	109%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	55.1		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-05MS	Acq On:	23 Aug 2025 03:54
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMS	Operator:	YP/AJ
Data file:	FD049660.D	Misc:	
Instrument:	FID_D	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	9362890	86.742	200	ug/ml
Aromatic C12-C16	6.151	8.778	17569518	142.171	300	ug/ml
Aromatic C16-C21	8.779	13.069	38999279	308.328	500	ug/ml
Aromatic C21-C36	13.070	18.489	55240991	490.515	800	ug/ml
Aromatic EPH	4.407	18.489	121172678	1030		ug/ml
2-Bromonaphthalene (SURRE)	7.716	7.716	5597452	54.62		ug/ml
2-Fluorobiphenyl (SURRE)	8.582	8.582	4023121	55.08		ug/ml
ortho-Terphenyl (SURRE)	11.627	11.627	4779844	36.83		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049660.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 03:54
 Operator : YP/AJ
 Sample : Q2892-05MS
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E

Quant Time: Aug 25 01:52:39 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M

Quant Title : GC Extractables

QLast Update : Mon Aug 11 14:11:57 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...	7.716	5597452	54.616 ug/ml
Spiked Amount 50.000		Recovery =	109.23%
6) S 2-Fluorobiphenyl (SURR)	8.582	4023121	55.077 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	110.15%
11) S ortho-Terphenyl (SURR)	11.627	4779844	36.826 ug/ml
Spiked Amount 50.000		Recovery =	73.65%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.506	3827259	37.811 ug/ml
2) T Naphthalene (C11.7)	6.050	4632175	40.399 ug/ml
3) T 2-Methylnaphthalene (...)	7.105	4608760	38.634 ug/ml
5) T Acenaphthylene (C15.06)	8.385	5564696	44.265 ug/ml
7) T Acenaphthene (C15.5)	8.682	5660798	45.021 ug/ml
8) T Flouorene (C16.55)	9.463	6169304	48.727 ug/ml
9) T Phenanthrene (C19.36)	10.863	6796502	52.614 ug/ml
10) T Anthracene (C19.43)	10.939	6815293	55.322 ug/ml
12) T Fluoranthene (C21.85)	12.679	6994050	54.634 ug/ml
13) T Pyrene (C20.8)	12.977	7034884	55.408 ug/ml
14) T Benzo[a]anthracene (C...	14.850	6596505	57.164 ug/ml
15) T Chrysene (C27.41)	14.895	7292312	62.284 ug/ml
16) T benzo[b]fluoranthene ...	16.402	6260701	55.047 ug/ml
17) T Bnezo[k]fluoranthene ...	16.438	6100167	56.986 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.782	6029115	54.347 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.149	6379681	61.892 ug/ml
20) T Dibenz[a,h]anthracene...	18.188	5829544	53.483 ug/ml
21) T Benzo[g,h,i]perylene ...	18.406	5621725	51.446 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049660.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 03:54
Operator : YP/AJ
Sample : Q2892-05MS
Misc :
ALS Vial : 73 Sample Multiplier: 1

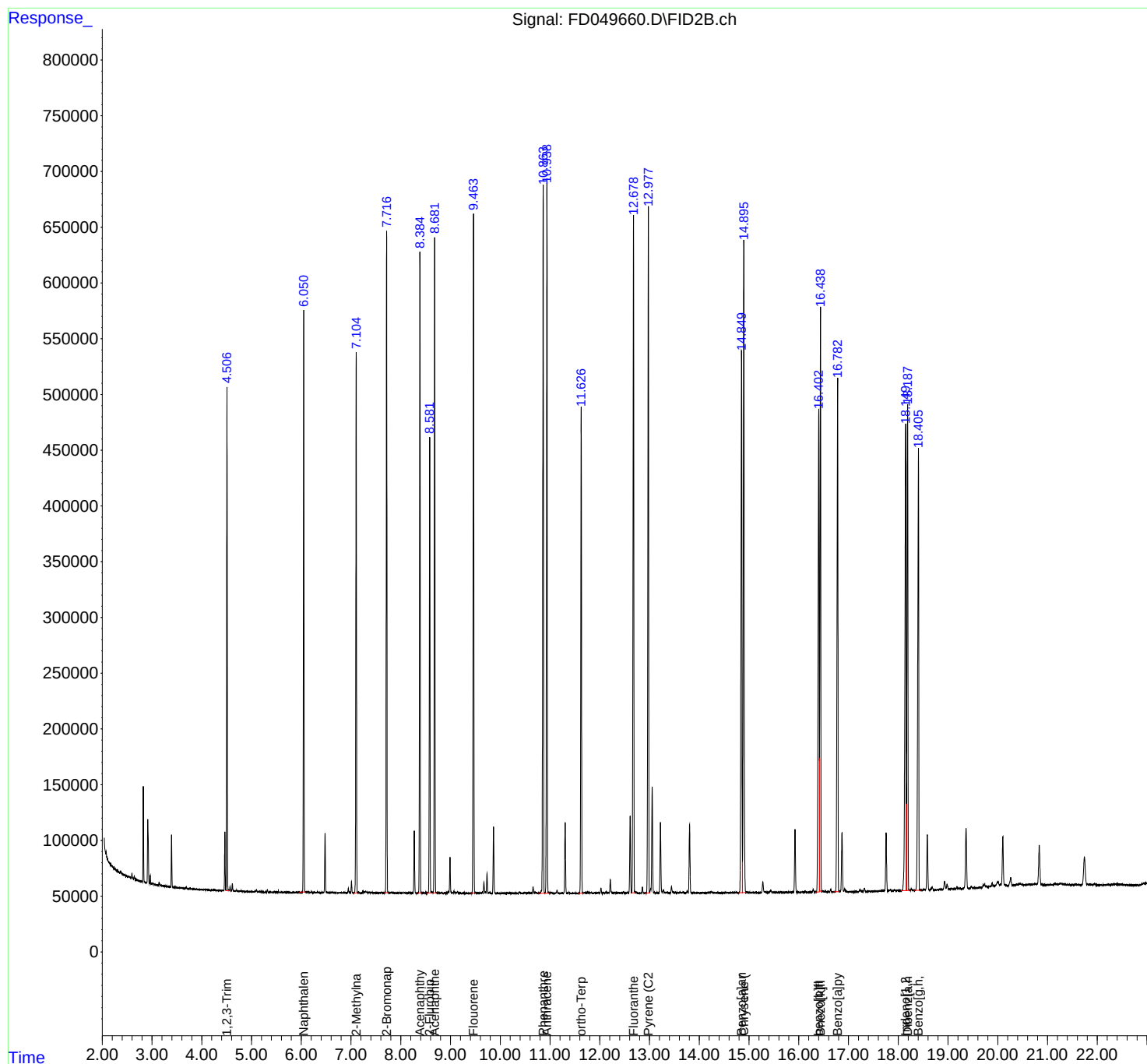
Instrument :
FID_D
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-CMS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E
Quant Time: Aug 25 01:52:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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 :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD08222
Data File : FD049660.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 03:54
Sample : Q2892-05MS
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.294	PH	545	5550	0.08%	0.004%
2	4.318	4.314	4.340	PV	226	1670	0.02%	0.001%
3	4.364	4.340	4.400	VV	348	6761	0.09%	0.005%
4	4.405	4.400	4.411	VV	329	1994	0.03%	0.001%
5	4.417	4.411	4.426	VV	519	3053	0.04%	0.002%
6	4.430	4.426	4.437	VV	360	1209	0.02%	0.001%
7	4.464	4.437	4.484	PV	53144	460807	6.31%	0.340%
8	4.506	4.484	4.531	VV	452865	3826120	52.36%	2.821%
9	4.537	4.531	4.552	VV	1269	12066	0.17%	0.009%
10	4.569	4.552	4.594	VV	4009	41413	0.57%	0.031%
11	4.614	4.594	4.673	VV	7005	73804	1.01%	0.054%
12	4.689	4.673	4.702	VV	581	5966	0.08%	0.004%
13	4.719	4.702	4.757	VV	1041	12372	0.17%	0.009%
14	4.773	4.757	4.786	VV	487	5097	0.07%	0.004%
15	4.798	4.786	4.822	VV	677	7969	0.11%	0.006%
16	4.833	4.822	4.877	VV	404	6800	0.09%	0.005%
17	4.915	4.889	4.930	VV	382	4613	0.06%	0.003%
18	4.937	4.930	4.954	VV	173	1625	0.02%	0.001%
19	4.961	4.954	4.966	VV	224	1280	0.02%	0.001%
20	4.992	4.966	5.003	VV	361	5212	0.07%	0.004%
21	5.022	5.003	5.042	VV	424	5763	0.08%	0.004%
22	5.069	5.042	5.082	VV	587	8181	0.11%	0.006%
23	5.099	5.082	5.140	VV	2127	28131	0.38%	0.021%
24	5.159	5.140	5.192	VV	516	10221	0.14%	0.008%
25	5.206	5.192	5.230	VV	527	5851	0.08%	0.004%
26	5.238	5.230	5.250	VV	507	2753	0.04%	0.002%
27	5.257	5.250	5.267	PV	256	1076	0.01%	0.001%
28	5.290	5.267	5.297	VV	259	3557	0.05%	0.003%
29	5.299	5.297	5.304	VV	386	1027	0.01%	0.001%
30	5.318	5.304	5.345	VV	2370	22943	0.31%	0.017%
31	5.356	5.345	5.370	VV	363	3184	0.04%	0.002%
32	5.374	5.370	5.390	VV	301	2821	0.04%	0.002%
33	5.397	5.390	5.405	VV	359	2408	0.03%	0.002%
34	5.411	5.405	5.419	VV	255	1698	0.02%	0.001%
35	5.426	5.419	5.432	VV	306	1977	0.03%	0.001%
36	5.451	5.432	5.461	VV	504	5356	0.07%	0.004%

					retention			
37	5.466	5.461	5.472	VV	415	2529	0.03%	0.002%
38	5.477	5.472	5.492	VV	363	3355		
39	5.498	5.492	5.520	VV	720	6702		
40	5.540	5.520	5.556	PV	988	10543		
41	5.570	5.556	5.587	VV	424	4111		
42	5.598	5.587	5.620	VV	525	5859		
43	5.625	5.620	5.649	VV	303	3758	0.05%	0.003%
44	5.668	5.649	5.672	VV	369	3152	0.04%	0.002%
45	5.688	5.672	5.709	VV	416	5791	0.08%	0.004%
46	5.715	5.709	5.724	VV	200	1365	0.02%	0.001%
47	5.743	5.724	5.760	VV	374	6166	0.08%	0.005%
48	5.765	5.760	5.785	VV	287	2965	0.04%	0.002%
49	5.795	5.785	5.818	VV	239	3073	0.04%	0.002%
50	5.836	5.818	5.849	VV	294	3437	0.05%	0.003%
51	5.854	5.849	5.907	VV	310	6730	0.09%	0.005%
52	5.915	5.907	5.927	VV	354	2781	0.04%	0.002%
53	5.954	5.927	5.974	VV	674	10594	0.14%	0.008%
54	5.983	5.974	5.995	VV	424	3940	0.05%	0.003%
55	6.002	5.995	6.017	VV	419	3731	0.05%	0.003%
56	6.050	6.017	6.084	VV	523546	4668701	63.89%	3.442%
57	6.100	6.084	6.113	VV	1096	12994	0.18%	0.010%
58	6.137	6.113	6.168	VV	753	14260	0.20%	0.011%
59	6.199	6.168	6.229	VV	696	13509	0.18%	0.010%
60	6.239	6.229	6.245	VV	312	2199	0.03%	0.002%
61	6.255	6.245	6.290	VV	550	8403	0.11%	0.006%
62	6.298	6.290	6.305	VV	270	1556	0.02%	0.001%
63	6.324	6.305	6.352	VV	1068	14088	0.19%	0.010%
64	6.366	6.352	6.386	VV	343	6114	0.08%	0.005%
65	6.390	6.386	6.398	VV	444	2763	0.04%	0.002%
66	6.412	6.398	6.420	VV	398	4374	0.06%	0.003%
67	6.428	6.420	6.437	VV	365	3404	0.05%	0.003%
68	6.479	6.437	6.506	VV	53595	518221	7.09%	0.382%
69	6.512	6.506	6.530	VV	452	5210	0.07%	0.004%
70	6.545	6.530	6.557	VV	512	6818	0.09%	0.005%
71	6.567	6.557	6.577	VV	521	4788	0.07%	0.004%
72	6.599	6.577	6.614	VV	576	8007	0.11%	0.006%
73	6.629	6.614	6.650	VV	909	10179	0.14%	0.008%
74	6.662	6.650	6.676	VV	331	2808	0.04%	0.002%
75	6.697	6.676	6.727	PV	382	5741	0.08%	0.004%
76	6.739	6.736	6.750	VV	225	1262	0.02%	0.001%
77	6.771	6.759	6.777	VV	266	1817	0.02%	0.001%
78	6.799	6.777	6.804	VV	361	3829	0.05%	0.003%
79	6.810	6.804	6.826	VV	295	3054	0.04%	0.002%
80	6.857	6.826	6.875	VV	459	7265	0.10%	0.005%
81	6.877	6.875	6.899	VV	278	1984	0.03%	0.001%
82	6.947	6.908	6.965	VV	4335	45481	0.62%	0.034%
83	6.979	6.965	6.990	VV	663	8301	0.11%	0.006%
84	7.010	6.990	7.057	VV	10463	107438	1.47%	0.079%
85	7.105	7.067	7.138	VV	485581	4616591	63.18%	3.403%
86	7.149	7.138	7.172	VV	538	7364	0.10%	0.005%
87	7.177	7.172	7.194	VV	234	2015	0.03%	0.001%
88	7.201	7.194	7.205	VV	240	1271	0.02%	0.001%
89	7.209	7.205	7.216	VV	243	1174	0.02%	0.001%

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

90	7.239	7.216	7.254	VV	1838	19845	0.27%	0.015%
91	7.262	7.254	7.278	VV	1501	16166		
92	7.294	7.278	7.308	VV	2085	23012		
93	7.319	7.308	7.352	VV	1222	17203		
94	7.370	7.352	7.386	VV	1033	13048		
95	7.401	7.386	7.426	VV	936	12180		
96	7.440	7.426	7.451	VV	537	5638	0.08%	0.004%
97	7.465	7.451	7.474	VV	501	5355	0.07%	0.004%
98	7.478	7.474	7.483	VV	388	1792	0.02%	0.001%
99	7.494	7.483	7.515	VV	541	5854	0.08%	0.004%
100	7.520	7.515	7.529	VV	202	1019	0.01%	0.001%
101	7.546	7.529	7.555	VV	228	2193	0.03%	0.002%
102	7.578	7.555	7.595	VV	697	8400	0.11%	0.006%
103	7.599	7.595	7.610	VV	263	2077	0.03%	0.002%
104	7.619	7.610	7.624	VV	452	3298	0.05%	0.002%
105	7.633	7.624	7.647	VV	598	5474	0.07%	0.004%
106	7.663	7.647	7.681	VV	620	8046	0.11%	0.006%
107	7.716	7.681	7.770	VV	593656	5625877	76.99%	4.148%
108	7.775	7.770	7.792	VV	406	3820	0.05%	0.003%
109	7.807	7.792	7.867	VV	803	20200	0.28%	0.015%
110	7.875	7.867	7.880	VV	191	1302	0.02%	0.001%
111	7.887	7.880	7.912	VV	320	3900	0.05%	0.003%
112	7.918	7.912	7.929	VV	292	2290	0.03%	0.002%
113	7.932	7.929	7.953	VV	346	2473	0.03%	0.002%
114	7.966	7.953	7.997	VV	622	7733	0.11%	0.006%
115	8.021	7.997	8.037	VV	392	6064	0.08%	0.004%
116	8.048	8.037	8.066	VV	484	5561	0.08%	0.004%
117	8.081	8.066	8.092	VV	402	4190	0.06%	0.003%
118	8.116	8.092	8.122	VV	363	4250	0.06%	0.003%
119	8.124	8.122	8.132	VV	343	1681	0.02%	0.001%
120	8.139	8.132	8.147	VV	461	2755	0.04%	0.002%
121	8.170	8.147	8.197	VV	658	13030	0.18%	0.010%
122	8.204	8.197	8.214	VV	400	2800	0.04%	0.002%
123	8.222	8.214	8.242	VV	386	4392	0.06%	0.003%
124	8.271	8.242	8.318	VV	56147	572092	7.83%	0.422%
125	8.329	8.318	8.347	VV	397	3886	0.05%	0.003%
126	8.385	8.347	8.452	PV	575777	5590762	76.51%	4.122%
127	8.461	8.452	8.486	VV	602	8187	0.11%	0.006%
128	8.503	8.486	8.521	VV	536	7176	0.10%	0.005%
129	8.527	8.521	8.542	VV	413	3319	0.05%	0.002%
130	8.582	8.542	8.614	VV	408761	4038923	55.27%	2.978%
131	8.634	8.614	8.649	VV	1473	20857	0.29%	0.015%
132	8.682	8.649	8.740	VV	588177	5686340	77.82%	4.192%
133	8.756	8.740	8.789	VV	686	12830	0.18%	0.009%
134	8.815	8.789	8.820	VV	533	6290	0.09%	0.005%
135	8.825	8.820	8.845	VV	577	5332	0.07%	0.004%
136	8.852	8.845	8.858	VV	290	1377	0.02%	0.001%
137	8.873	8.858	8.879	VV	496	4374	0.06%	0.003%
138	8.890	8.879	8.910	VV	584	6581	0.09%	0.005%
139	8.918	8.910	8.930	VV	418	3636	0.05%	0.003%
140	8.949	8.930	8.966	VV	1364	18612	0.25%	0.014%
141	8.990	8.966	9.027	VV	32426	331223	4.53%	0.244%

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

0.27% 0.015%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

142	9.040	9.027	9.053	VV	645	8119	0.11%	0.006%
143	9.071	9.053	9.094	VV	1912	24109		
144	9.111	9.094	9.125	VV	938	12718		
145	9.143	9.125	9.173	VV	1736	22973		
146	9.183	9.173	9.204	VV	424	4847		
147	9.227	9.204	9.233	VV	343	3417		
148	9.241	9.233	9.246	VV	304	1863	0.03%	0.001%
149	9.276	9.246	9.303	VV	691	11642	0.16%	0.009%
150	9.328	9.303	9.352	VV	531	8892	0.12%	0.007%
151	9.376	9.352	9.385	VV	296	4071	0.06%	0.003%
152	9.392	9.385	9.429	VV	356	5549	0.08%	0.004%
153	9.463	9.429	9.527	VV	607929	6190717	84.72%	4.564%
154	9.536	9.527	9.542	VV	484	3581	0.05%	0.003%
155	9.544	9.542	9.566	VV	477	3463	0.05%	0.003%
156	9.601	9.566	9.620	VV	552	10958	0.15%	0.008%
157	9.637	9.620	9.654	VV	975	13524	0.19%	0.010%
158	9.672	9.654	9.692	VV	9953	104696	1.43%	0.077%
159	9.703	9.692	9.713	VV	1256	12222	0.17%	0.009%
160	9.734	9.713	9.757	VV	17807	182396	2.50%	0.134%
161	9.785	9.757	9.794	VV	538	10046	0.14%	0.007%
162	9.801	9.794	9.832	VV	598	6241	0.09%	0.005%
163	9.865	9.832	9.908	VV	59825	650847	8.91%	0.480%
164	9.919	9.908	9.924	PV	260	1296	0.02%	0.001%
165	9.936	9.924	9.940	VV	349	2158	0.03%	0.002%
166	9.948	9.940	9.959	VV	366	3202	0.04%	0.002%
167	9.965	9.959	9.972	VV	262	1365	0.02%	0.001%
168	9.982	9.972	9.992	VV	235	1576	0.02%	0.001%
169	9.997	9.992	10.024	VV	219	2871	0.04%	0.002%
170	10.038	10.024	10.050	VV	269	3279	0.04%	0.002%
171	10.062	10.050	10.070	VV	333	2633	0.04%	0.002%
172	10.078	10.070	10.106	VV	277	4070	0.06%	0.003%
173	10.115	10.106	10.125	VV	202	1683	0.02%	0.001%
174	10.144	10.125	10.164	VV	721	8589	0.12%	0.006%
175	10.189	10.164	10.201	VV	394	4791	0.07%	0.004%
176	10.216	10.201	10.225	VV	329	3446	0.05%	0.003%
177	10.248	10.225	10.291	VV	418	12861	0.18%	0.009%
178	10.302	10.291	10.317	VV	567	5500	0.08%	0.004%
179	10.326	10.317	10.361	VV	553	8382	0.11%	0.006%
180	10.390	10.361	10.410	VV	1209	18128	0.25%	0.013%
181	10.416	10.410	10.421	VV	492	2547	0.03%	0.002%
182	10.424	10.421	10.442	VV	401	3891	0.05%	0.003%
183	10.447	10.442	10.462	VV	411	3399	0.05%	0.003%
184	10.489	10.462	10.517	VV	737	15991	0.22%	0.012%
185	10.542	10.517	10.546	VV	369	4406	0.06%	0.003%
186	10.559	10.546	10.568	VV	597	6471	0.09%	0.005%
187	10.578	10.568	10.630	VV	759	18206	0.25%	0.013%
188	10.660	10.630	10.681	VV	5853	67779	0.93%	0.050%
189	10.698	10.681	10.720	VV	1149	17651	0.24%	0.013%
190	10.733	10.720	10.762	VV	629	9800	0.13%	0.007%
191	10.768	10.762	10.777	VV	234	1394	0.02%	0.001%
192	10.793	10.777	10.805	VV	593	6997	0.10%	0.005%
193	10.824	10.805	10.830	VV	2676	24242	0.33%	0.018%
194	10.863	10.830	10.900	VV	635967	6781635	92.81%	5.000%

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

							Instrument : FID_D	
							ClientSampleId : BACK-1-FLOOR-CENTER-MIDDLE-CMS	
195	10.939	10.900	10.987	VV	638641	6829732	93.47%	5.035%
196	11.013	10.987	11.085	VV	936	25960	Manual IntegrationsAPPROVED	
197	11.108	11.085	11.122	VV	539	8111		
198	11.141	11.122	11.207	VV	2984	39181		
199	11.235	11.207	11.259	VV	640	10109		
200	11.305	11.259	11.343	VV	63843	714145		
201	11.351	11.343	11.363	VV	367	3271	0.04%	0.002%
202	11.381	11.363	11.409	VV	1006	14781	0.20%	0.011%
203	11.413	11.409	11.424	VV	269	1775	0.02%	0.001%
204	11.441	11.424	11.449	VV	303	3104	0.04%	0.002%
205	11.458	11.449	11.478	VV	382	5733	0.08%	0.004%
206	11.500	11.478	11.522	VV	651	9990	0.14%	0.007%
207	11.530	11.522	11.542	VV	200	1175	0.02%	0.001%
208	11.559	11.542	11.567	PV	181	1474	0.02%	0.001%
209	11.627	11.567	11.662	VV	437066	4790900	65.56%	3.532%
210	11.665	11.662	11.676	VV	694	3866	0.05%	0.003%
211	11.691	11.676	11.703	VV	734	9414	0.13%	0.007%
212	11.716	11.703	11.737	VV	928	12563	0.17%	0.009%
213	11.756	11.737	11.778	VV	1134	19065	0.26%	0.014%
214	11.784	11.778	11.798	VV	845	8528	0.12%	0.006%
215	11.803	11.798	11.819	VV	679	6327	0.09%	0.005%
216	11.829	11.819	11.867	VV	756	10529	0.14%	0.008%
217	11.872	11.867	11.879	VV	396	2094	0.03%	0.002%
218	11.898	11.879	11.922	VV	735	11074	0.15%	0.008%
219	11.931	11.922	11.938	VV	383	2866	0.04%	0.002%
220	11.962	11.938	11.990	VV	646	14956	0.20%	0.011%
221	12.024	11.990	12.045	VV	4934	62320	0.85%	0.046%
222	12.069	12.045	12.095	VV	720	15081	0.21%	0.011%
223	12.125	12.095	12.156	VV	1354	26831	0.37%	0.020%
224	12.162	12.156	12.168	VV	509	2621	0.04%	0.002%
225	12.179	12.168	12.183	VV	417	3555	0.05%	0.003%
226	12.212	12.183	12.285	VV	12398	165096	2.26%	0.122%
227	12.296	12.285	12.303	VV	630	5428	0.07%	0.004%
228	12.305	12.303	12.312	VV	518	2753	0.04%	0.002%
229	12.330	12.312	12.337	VV	626	7264	0.10%	0.005%
230	12.343	12.337	12.369	VV	644	8813	0.12%	0.006%
231	12.385	12.369	12.415	VV	534	9718	0.13%	0.007%
232	12.474	12.415	12.517	VV	1204	33617	0.46%	0.025%
233	12.550	12.526	12.577	VV	1008	13649	0.19%	0.010%
234	12.611	12.577	12.640	VV	69286	809619	11.08%	0.597%
235	12.679	12.640	12.714	VV	608453	7015019	96.00%	5.172%
236	12.731	12.714	12.763	VV	811	16423	0.22%	0.012%
237	12.772	12.763	12.782	VV	395	3797	0.05%	0.003%
238	12.786	12.782	12.795	VV	378	2483	0.03%	0.002%
239	12.799	12.795	12.822	VV	435	5090	0.07%	0.004%
240	12.857	12.822	12.891	VV	5757	67661	0.93%	0.050%
241	12.898	12.891	12.904	VV	389	2103	0.03%	0.002%
242	12.918	12.904	12.927	VV	300	3377	0.05%	0.002%
243	12.977	12.927	13.004	VV	617471	7046953	96.44%	5.195%
244	13.024	13.004	13.030	VV	4299	44909	0.61%	0.033%
245	13.054	13.030	13.086	VV	95395	1130721	15.47%	0.834%
246	13.094	13.086	13.124	VV	576	10351	0.14%	0.008%

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247	13.139	13.124	13.159	VV	683	9697	0.13%	0.007%	
248	13.168	13.159	13.188	VV	539	6776			
249	13.221	13.188	13.254	VV	63448	765688	10.31%	0.555%	
250	13.275	13.254	13.332	VV	2812	57860			
251	13.342	13.332	13.369	VV	618	11223			
252	13.371	13.369	13.376	VV	450	1525			
253	13.380	13.376	13.401	VV	410	4140	0.06%	0.003%	
254	13.443	13.401	13.494	VV	6164	94251	1.29%	0.069%	
255	13.497	13.494	13.514	VV	676	6921	0.09%	0.005%	
256	13.518	13.514	13.540	VV	557	6881	0.09%	0.005%	
257	13.551	13.540	13.557	VV	593	4119	0.06%	0.003%	
258	13.561	13.557	13.583	VV	534	6280	0.09%	0.005%	
259	13.601	13.583	13.617	VV	540	9034	0.12%	0.007%	
260	13.626	13.617	13.642	VV	734	7512	0.10%	0.006%	
261	13.673	13.642	13.710	VV	803	18929	0.26%	0.014%	
262	13.715	13.710	13.735	VV	393	4255	0.06%	0.003%	
263	13.757	13.735	13.775	VV	1765	23449	0.32%	0.017%	
264	13.806	13.775	13.841	VV	61600	753300	10.31%	0.555%	
265	13.849	13.841	13.856	VV	263	1577	0.02%	0.001%	
266	13.875	13.856	13.881	VV	370	4102	0.06%	0.003%	
267	13.889	13.881	13.903	VV	396	3541	0.05%	0.003%	
268	13.908	13.903	13.955	VV	217	3956	0.05%	0.003%	
269	14.014	13.955	14.034	PV	243	6520	0.09%	0.005%	
270	14.041	14.034	14.047	VV	218	1506	0.02%	0.001%	
271	14.056	14.047	14.062	VV	292	2177	0.03%	0.002%	
272	14.070	14.062	14.086	VV	227	2364	0.03%	0.002%	
273	14.097	14.086	14.129	VV	384	3603	0.05%	0.003%	
274	14.137	14.129	14.158	VV	302	3429	0.05%	0.003%	
275	14.169	14.158	14.173	VV	259	1846	0.03%	0.001%	
276	14.191	14.173	14.212	VV	1022	14663	0.20%	0.011%	
277	14.237	14.212	14.270	VV	1076	20335	0.28%	0.015%	
278	14.282	14.270	14.304	VV	404	6421	0.09%	0.005%	
279	14.310	14.304	14.325	VV	244	2406	0.03%	0.002%	
280	14.366	14.325	14.391	VV	722	11603	0.16%	0.009%	
281	14.398	14.391	14.417	VV	359	3365	0.05%	0.002%	
282	14.423	14.417	14.430	VV	179	1041	0.01%	0.001%	
283	14.442	14.430	14.449	VV	256	2236	0.03%	0.002%	
284	14.463	14.449	14.496	VV	370	6027	0.08%	0.004%	
285	14.529	14.496	14.555	VV	743	13087	0.18%	0.010%	
286	14.578	14.555	14.599	VV	479	7455	0.10%	0.005%	
287	14.611	14.599	14.618	VV	282	2598	0.04%	0.002%	
288	14.623	14.618	14.642	VV	212	1427	0.02%	0.001%	
289	14.688	14.652	14.721	VV	510	12392	0.17%	0.009%	
290	14.745	14.721	14.775	VV	609	10541	0.14%	0.008%	
291	14.787	14.775	14.805	PV	250	2167	0.03%	0.002%	
292	14.850	14.805	14.868	VV	486338	6604988	90.39%	4.869%	
293	14.895	14.868	14.938	VV	585618	7307136	100.00%	5.387%	
294	14.955	14.938	14.990	VV	694	14087	0.19%	0.010%	
295	15.003	14.990	15.047	VV	475	9473	0.13%	0.007%	
296	15.053	15.047	15.061	VV	210	1421	0.02%	0.001%	
297	15.077	15.061	15.100	VV	392	6583	0.09%	0.005%	
298	15.113	15.100	15.123	VV	315	3210	0.04%	0.002%	
299	15.140	15.123	15.185	PV	329	4671	0.06%	0.003%	

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

300	15.212	15.185	15.233	VV	292	3193	0.04%	0.002%
301	15.278	15.233	15.311	PV	9909	147587		
302	15.325	15.311	15.360	VV	719	13195		
303	15.364	15.360	15.369	VV	320	1381		
304	15.377	15.369	15.402	VV	412	6152		
305	15.441	15.402	15.464	VV	2060	41593		
306	15.473	15.464	15.478	VV	486	3098	0.04%	0.002%
307	15.482	15.478	15.495	VV	469	3598	0.05%	0.003%
308	15.499	15.495	15.515	VV	328	3502	0.05%	0.003%
309	15.540	15.515	15.571	VV	414	9755	0.13%	0.007%
310	15.592	15.571	15.608	VV	273	3599	0.05%	0.003%
311	15.637	15.608	15.671	VV	436	9116	0.12%	0.007%
312	15.678	15.671	15.687	VV	230	1129	0.02%	0.001%
313	15.692	15.687	15.720	PV	282	3141	0.04%	0.002%
314	15.746	15.720	15.772	VV	493	7429	0.10%	0.005%
315	15.796	15.772	15.824	VV	661	9516	0.13%	0.007%
316	15.836	15.824	15.847	VV	303	3076	0.04%	0.002%
317	15.854	15.847	15.862	VV	332	2356	0.03%	0.002%
318	15.889	15.862	15.894	VV	618	8792	0.12%	0.006%
319	15.925	15.894	15.959	VV	56793	716614	9.81%	0.528%
320	15.979	15.959	16.007	VV	576	10734	0.15%	0.008%
321	16.032	16.021	16.047	VV	228	1998	0.03%	0.001%
322	16.063	16.047	16.069	VV	367	3169	0.04%	0.002%
323	16.074	16.069	16.099	VV	385	4269	0.06%	0.003%
324	16.124	16.099	16.149	VV	732	13112	0.18%	0.010%
325	16.177	16.158	16.183	PV	319	2289	0.03%	0.002%
326	16.193	16.183	16.210	VV	215	2357	0.03%	0.002%
327	16.226	16.224	16.245	VV	226	1613	0.02%	0.001%
328	16.252	16.245	16.267	VV	254	1864	0.03%	0.001%
329	16.290	16.267	16.350	VV	2253	36280	0.50%	0.027%
330	16.402	16.350	16.416	VV	433286	6272048	85.83%	4.624%
331	16.438	16.416	16.464	VV	520950	6180372	84.58%	4.556%
332	16.482	16.464	16.513	VV	1134	21785	0.30%	0.016%
333	16.536	16.513	16.560	VV	1219	19360	0.26%	0.014%
334	16.564	16.560	16.572	VV	313	2030	0.03%	0.001%
335	16.581	16.572	16.585	VV	321	2049	0.03%	0.002%
336	16.605	16.585	16.618	VV	523	7381	0.10%	0.005%
337	16.642	16.618	16.674	VV	2740	35404	0.48%	0.026%
338	16.712	16.674	16.736	VV	625	14665	0.20%	0.011%
339	16.782	16.736	16.810	VV	459513	6051530	82.82%	4.461%
340	16.832	16.810	16.839	VV	821	11441	0.16%	0.008%
341	16.870	16.839	16.901	VV	53590	717852	9.82%	0.529%
342	16.921	16.901	16.978	VV	2666	51314	0.70%	0.038%
343	16.982	16.978	16.986	VV	292	1237	0.02%	0.001%
344	16.991	16.986	17.001	VV	356	2336	0.03%	0.002%
345	17.019	17.001	17.029	VV	308	3638	0.05%	0.003%
346	17.034	17.029	17.058	VV	319	4059	0.06%	0.003%
347	17.065	17.058	17.077	VV	240	2032	0.03%	0.001%
348	17.083	17.077	17.105	VV	241	2139	0.03%	0.002%
349	17.138	17.115	17.153	VV	341	5242	0.07%	0.004%
350	17.161	17.153	17.181	VV	332	3095	0.04%	0.002%
351	17.229	17.181	17.264	PV	2220	37126	0.51%	0.027%

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMS

0.04% 0.002%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

352	17.269	17.264	17.280	VV	453	3773	0.05%	0.003%
353	17.286	17.280	17.292	VV	456	2416	0.05%	0.003%
354	17.320	17.292	17.352	VV	3194	46046	0.05%	0.003%
355	17.365	17.352	17.387	VV	276	3296	0.05%	0.003%
356	17.412	17.387	17.436	PV	582	10515	0.05%	0.003%
357	17.464	17.445	17.484	VV	419	6611	0.05%	0.003%
358	17.488	17.484	17.500	VV	277	2344	0.03%	0.002%
359	17.503	17.500	17.512	VV	233	1423	0.02%	0.001%
360	17.541	17.512	17.565	VV	539	9741	0.13%	0.007%
361	17.586	17.565	17.599	VV	296	3780	0.05%	0.003%
362	17.624	17.599	17.634	VV	666	9470	0.13%	0.007%
363	17.654	17.634	17.665	VV	652	9465	0.13%	0.007%
364	17.678	17.665	17.694	VV	652	8880	0.12%	0.007%
365	17.756	17.694	17.805	VV	52863	714559	9.78%	0.527%
366	17.843	17.805	17.877	VV	1388	31449	0.43%	0.023%
367	17.924	17.877	17.953	VV	890	18875	0.26%	0.014%
368	17.970	17.953	17.991	VV	602	9228	0.13%	0.007%
369	17.999	17.991	18.018	VV	480	6434	0.09%	0.005%
370	18.030	18.018	18.060	VV	421	6373	0.09%	0.005%
371	18.149	18.060	18.163	PV	417524	6391047	87.46%	4.712%
372	18.188	18.163	18.239	VV	434823	5842052	79.95%	4.307%
373	18.268	18.239	18.290	VV	1536	27583	0.38%	0.020%
374	18.296	18.290	18.330	VV	705	8784	0.12%	0.006%
375	18.406	18.330	18.482	PV	395535	5637060	77.14%	4.156%

Sum of corrected areas: 135644356

Aromatic EPH 081125.M Mon Aug 25 03:56:16 2025

Instrument :
FID_D
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-CMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD		SDG No.:	Q2892
Lab Sample ID:	Q2892-05MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	88.5
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
08/21/25 11:00	08/22/25 20:12	PB169364

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.20		1	0.16	1.13	mg/kg FC069714.D
Aliphatic C12-C16	Aliphatic C12-C16	5.49		1	0.12	0.75	mg/kg FC069714.D
Aliphatic C16-C21	Aliphatic C16-C21	9.10		1	0.15	1.13	mg/kg FC069714.D
Aliphatic C21-C28	Aliphatic C21-C28	12.1		1	0.60	1.50	mg/kg FC069714.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.33	2.26	mg/kg FC069714.D
Aromatic C10-C12	Aromatic C10-C12	6.37		1	0.14	0.75	mg/kg FD049661.D
Aromatic C12-C16	Aromatic C12-C16	10.3		1	0.26	1.13	mg/kg FD049661.D
Aromatic C16-C21	Aromatic C16-C21	21.9		1	0.45	1.88	mg/kg FD049661.D
Aromatic C21-C36	Aromatic C21-C36	35.6		1	1.34	3.01	mg/kg FD049661.D
Total AliphaticEPH	Total AliphaticEPH	54.2			2.36	6.77	mg/kg
Total AromaticEPH	Total AromaticEPH	74.2			2.19	6.77	mg/kg
Total EPH	Total EPH	128			4.54	13.5	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:		
Project:	BAPS 2000 Tonnelles Ave		Date Received:		
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD		SDG No.:	Q2892	
Lab Sample ID:	Q2892-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.5	
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
FC069714.D	1	08/21/25	08/22/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.20		0.16	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.49		0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.10		0.15	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.1		0.60	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		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:	Q2892-05MSD	Acq On:	22 Aug 2025 20:12
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD	Operator:	YP/AJ
Data file:	FC069714.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	3.298	6.594	11928499	82.448	300	ug/ml
Aliphatic C12-C16	6.595	9.996	10468069	72.981	200	ug/ml
Aliphatic C16-C21	9.997	13.364	16175482	121.109	300	ug/ml
Aliphatic C21-C28	13.365	17.031	19064324	161.142	400	ug/ml
Aliphatic C28-C40	17.032	22.001	26982920	283.091	600	ug/ml
Aliphatic EPH	3.298	22.001	84619294	720.771		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.099	13.099	3776700	34.64		ug/ml
Aliphatic C9-C28	3.298	17.031	57636374	437.68	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069714.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 20:12
 Operator : YP/AJ
 Sample : Q2892-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Integration File: autoint1.e
 Quant Time: Aug 25 01:10:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 14:14:17 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...	13.099	3776700	34.641 ug/ml
Spiked Amount 50.000		Recovery =	69.28%
Target Compounds			
1) T n-Nonane (C9)	3.399	3232236	22.687 ug/ml
2) T n-Decane (C10)	4.471	3903371	26.849 ug/ml
4) T n-Dodecane (C12)	6.495	4303892	29.441 ug/ml
6) T n-Tetradecane (C14)	8.293	4647729	32.567 ug/ml
7) T n-Hexadecane (C16)	9.898	5158422	35.783 ug/ml
8) T n-Octadecane (C18)	11.342	5325422	37.659 ug/ml
10) T n-Eicosane (C20)	12.655	5319297	40.381 ug/ml
11) T n-Heneicosane (C21)	13.267	5076562	39.803 ug/ml
13) T n-Docosane (C22)	13.854	4941618	39.558 ug/ml
14) T n-Tetracosane (C24)	14.958	4765145	39.489 ug/ml
15) T n-Hexacosane (C26)	15.980	4528912	39.194 ug/ml
16) T n-Octacosane (C28)	16.932	4354721	38.851 ug/ml
17) T n-Tricontane (C30)	17.821	4288189	37.453 ug/ml
18) T n-Dotriacontane (C32)	18.656	4259497	38.346 ug/ml
19) T n-Tetratriacontane (C34)	19.440	4207515	41.322 ug/ml
20) T n-Hexatriacontane (C36)	20.180	4062918	45.566 ug/ml
21) T n-Octatriacontane (C38)	20.945	3981832	49.499 ug/ml
22) T n-Tetracontane (C40)	21.904	3661921	48.903 ug/ml

(f)=RT Delta > 1/2 Window

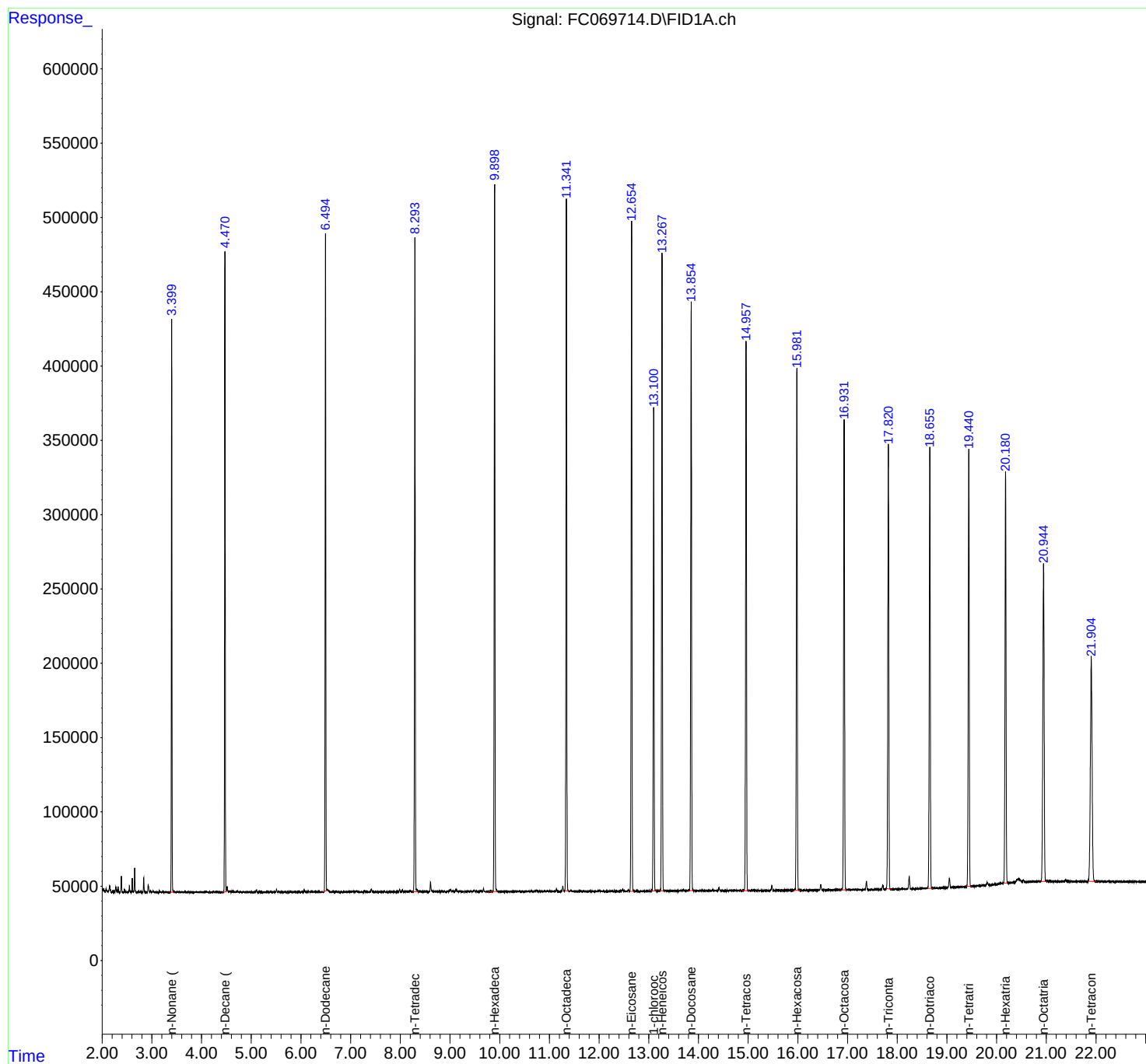
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
Data File : FC069714.D
Signal(s) : FID1A.ch
Acq On : 22 Aug 2025 20:12
Operator : YP/AJ
Sample : Q2892-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Integration File: autoint1.e
Quant Time: Aug 25 01:10:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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\FC082225AL\
 Data File : FC069714.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 20:12
 Sample : Q2892-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.222	3.204	3.267	BV	166	2260	0.04%	0.003%
2	3.297	3.267	3.335	PV	216	3063	0.06%	0.003%
3	3.345	3.335	3.370	VV	70	610	0.01%	0.001%
4	3.399	3.370	3.490	PV	381405	3245069	60.66%	3.670%
5	3.502	3.490	3.512	VV	273	2673	0.05%	0.003%
6	3.525	3.512	3.571	VV	370	8453	0.16%	0.010%
7	3.578	3.571	3.587	VV	211	1829	0.03%	0.002%
8	3.602	3.587	3.630	VV	278	4168	0.08%	0.005%
9	3.642	3.630	3.651	VV	142	1289	0.02%	0.001%
10	3.677	3.651	3.696	VV	319	5617	0.11%	0.006%
11	3.717	3.696	3.754	VV	335	6039	0.11%	0.007%
12	3.775	3.754	3.784	VV	211	2768	0.05%	0.003%
13	3.810	3.784	3.835	VV	137	3374	0.06%	0.004%
14	3.897	3.835	3.963	VV	289	8519	0.16%	0.010%
15	3.981	3.963	4.034	VV	311	5798	0.11%	0.007%
16	4.071	4.034	4.088	VV	453	6972	0.13%	0.008%
17	4.098	4.088	4.119	VV	623	6131	0.11%	0.007%
18	4.128	4.119	4.141	VV	63	851	0.02%	0.001%
19	4.164	4.141	4.186	VV	314	3776	0.07%	0.004%
20	4.241	4.186	4.264	VV	573	10713	0.20%	0.012%
21	4.278	4.264	4.305	VV	236	4110	0.08%	0.005%
22	4.317	4.305	4.327	VV	140	1609	0.03%	0.002%
23	4.337	4.327	4.360	VV	140	1887	0.04%	0.002%
24	4.400	4.360	4.419	VV	267	5535	0.10%	0.006%
25	4.471	4.419	4.499	VV	433371	3915441	73.19%	4.428%
26	4.516	4.499	4.564	VV	3852	54536	1.02%	0.062%
27	4.576	4.564	4.601	VV	729	10611	0.20%	0.012%
28	4.625	4.601	4.664	VV	676	15005	0.28%	0.017%
29	4.694	4.664	4.707	VV	545	8340	0.16%	0.009%
30	4.725	4.707	4.743	VV	1006	10560	0.20%	0.012%
31	4.756	4.743	4.788	VV	296	5436	0.10%	0.006%
32	4.799	4.788	4.834	VV	167	4802	0.09%	0.005%
33	4.845	4.834	4.864	VV	234	3205	0.06%	0.004%
34	4.890	4.864	4.905	VV	189	3262	0.06%	0.004%
35	4.921	4.905	4.936	VV	124	2066	0.04%	0.002%
36	4.945	4.936	4.987	VV	151	2203	0.04%	0.002%

					rteres			
37	4.999	4.987	5.018	PV	91	1067	0.02%	0.001%
38	5.030	5.018	5.051	VV	133	1579	0.03%	0.002%
39	5.105	5.051	5.137	VV	1709	23709	0.44%	0.027%
40	5.161	5.137	5.178	VV	404	5615	0.10%	0.006%
41	5.192	5.178	5.251	VV	186	4987	0.09%	0.006%
42	5.334	5.251	5.368	VV	177	6786	0.13%	0.008%
43	5.382	5.368	5.454	VV	159	4708	0.09%	0.005%
44	5.474	5.454	5.484	VV	136	1672	0.03%	0.002%
45	5.509	5.484	5.531	VV	1741	18790	0.35%	0.021%
46	5.550	5.531	5.581	VV	853	10325	0.19%	0.012%
47	5.606	5.581	5.634	VV	239	4346	0.08%	0.005%
48	5.669	5.634	5.682	VV	176	3339	0.06%	0.004%
49	5.699	5.682	5.738	VV	207	4108	0.08%	0.005%
50	5.752	5.738	5.781	VV	171	2738	0.05%	0.003%
51	5.795	5.781	5.805	VV	192	2101	0.04%	0.002%
52	5.811	5.805	5.837	VV	180	2223	0.04%	0.003%
53	5.859	5.837	5.876	VV	216	3499	0.07%	0.004%
54	5.885	5.876	5.907	VV	182	2476	0.05%	0.003%
55	5.922	5.907	5.935	VV	139	1683	0.03%	0.002%
56	5.966	5.935	5.991	VV	151	3472	0.06%	0.004%
57	6.014	5.991	6.043	VV	200	4284	0.08%	0.005%
58	6.067	6.043	6.091	VV	1181	16306	0.30%	0.018%
59	6.108	6.091	6.131	VV	430	6360	0.12%	0.007%
60	6.151	6.131	6.188	VV	712	10224	0.19%	0.012%
61	6.211	6.188	6.245	VV	621	10117	0.19%	0.011%
62	6.285	6.245	6.314	VV	276	7347	0.14%	0.008%
63	6.327	6.314	6.354	VV	211	4099	0.08%	0.005%
64	6.377	6.354	6.421	VV	220	6835	0.13%	0.008%
65	6.434	6.421	6.460	VV	202	3914	0.07%	0.004%
66	6.495	6.460	6.596	VV	441419	4376533	81.81%	4.949%
67	6.612	6.596	6.624	VV	263	3754	0.07%	0.004%
68	6.643	6.624	6.664	VV	803	10124	0.19%	0.011%
69	6.680	6.664	6.701	VV	302	4979	0.09%	0.006%
70	6.716	6.701	6.751	VV	396	5906	0.11%	0.007%
71	6.774	6.751	6.803	VV	183	3560	0.07%	0.004%
72	6.820	6.803	6.838	VV	164	2553	0.05%	0.003%
73	6.852	6.838	6.881	VV	158	2803	0.05%	0.003%
74	6.893	6.881	6.920	VV	174	2414	0.05%	0.003%
75	6.939	6.920	6.964	VV	353	4948	0.09%	0.006%
76	6.991	6.964	7.028	VV	441	10962	0.20%	0.012%
77	7.051	7.028	7.078	VV	433	8881	0.17%	0.010%
78	7.118	7.078	7.141	VV	589	12654	0.24%	0.014%
79	7.152	7.141	7.214	VV	253	6979	0.13%	0.008%
80	7.225	7.214	7.234	VV	168	1412	0.03%	0.002%
81	7.279	7.234	7.321	VV	1063	15137	0.28%	0.017%
82	7.339	7.321	7.370	VV	211	4042	0.08%	0.005%
83	7.385	7.370	7.394	VV	224	2373	0.04%	0.003%
84	7.418	7.394	7.474	VV	2177	28419	0.53%	0.032%
85	7.484	7.474	7.498	VV	182	2340	0.04%	0.003%
86	7.510	7.498	7.554	VV	261	4458	0.08%	0.005%
87	7.597	7.554	7.657	VV	168	5225	0.10%	0.006%
88	7.680	7.657	7.698	VV	548	5840	0.11%	0.007%
89	7.711	7.698	7.721	VV	92	893	0.02%	0.001%

					rteres			
90	7.793	7.721	7.811	PV	213	6422	0.12%	0.007%
91	7.828	7.811	7.862	VV	218	5611	0.10%	0.006%
92	7.871	7.862	7.928	VV	243	6475	0.12%	0.007%
93	7.945	7.928	7.961	VV	349	3926	0.07%	0.004%
94	7.986	7.961	8.017	VV	1970	22963	0.43%	0.026%
95	8.043	8.017	8.128	VV	1384	25597	0.48%	0.029%
96	8.154	8.128	8.178	VV	374	7946	0.15%	0.009%
97	8.198	8.178	8.221	VV	922	12755	0.24%	0.014%
98	8.232	8.221	8.243	VV	282	3381	0.06%	0.004%
99	8.293	8.243	8.366	VV	437549	4665251	87.21%	5.276%
100	8.391	8.366	8.460	VV	498	18008	0.34%	0.020%
101	8.482	8.460	8.511	VV	458	9063	0.17%	0.010%
102	8.522	8.511	8.558	VV	547	6648	0.12%	0.008%
103	8.607	8.558	8.687	VV	6725	92687	1.73%	0.105%
104	8.746	8.687	8.768	VV	401	13803	0.26%	0.016%
105	8.782	8.768	8.811	VV	541	9228	0.17%	0.010%
106	8.829	8.811	8.874	VV	657	14175	0.26%	0.016%
107	8.892	8.874	8.918	VV	308	4119	0.08%	0.005%
108	8.949	8.918	8.959	VV	239	3834	0.07%	0.004%
109	9.012	8.959	9.035	VV	1437	32779	0.61%	0.037%
110	9.051	9.035	9.091	VV	621	13491	0.25%	0.015%
111	9.117	9.091	9.161	VV	1243	31160	0.58%	0.035%
112	9.174	9.161	9.187	VV	244	3203	0.06%	0.004%
113	9.202	9.187	9.234	VV	353	6122	0.11%	0.007%
114	9.253	9.234	9.284	VV	284	4728	0.09%	0.005%
115	9.304	9.284	9.324	VV	186	3479	0.07%	0.004%
116	9.351	9.324	9.361	VV	278	4883	0.09%	0.006%
117	9.372	9.361	9.387	VV	335	3892	0.07%	0.004%
118	9.414	9.387	9.434	VV	562	9931	0.19%	0.011%
119	9.448	9.434	9.458	VV	237	2379	0.04%	0.003%
120	9.488	9.458	9.518	VV	1103	18767	0.35%	0.021%
121	9.534	9.518	9.561	VV	680	8869	0.17%	0.010%
122	9.577	9.561	9.589	VV	236	3431	0.06%	0.004%
123	9.626	9.589	9.651	VV	626	12989	0.24%	0.015%
124	9.674	9.651	9.721	VV	2243	27854	0.52%	0.032%
125	9.731	9.721	9.758	VV	221	3904	0.07%	0.004%
126	9.764	9.758	9.791	VV	266	3367	0.06%	0.004%
127	9.815	9.791	9.861	VV	560	11962	0.22%	0.014%
128	9.898	9.861	9.956	VV	474600	5167393	96.59%	5.844%
129	9.968	9.956	10.031	VV	359	10938	0.20%	0.012%
130	10.047	10.031	10.088	VV	188	3968	0.07%	0.004%
131	10.121	10.088	10.152	PV	363	6205	0.12%	0.007%
132	10.176	10.152	10.193	VV	207	2735	0.05%	0.003%
133	10.221	10.193	10.250	VV	200	4666	0.09%	0.005%
134	10.289	10.250	10.308	VV	395	8303	0.16%	0.009%
135	10.326	10.308	10.351	VV	327	5560	0.10%	0.006%
136	10.366	10.351	10.401	VV	280	6476	0.12%	0.007%
137	10.406	10.401	10.454	VV	214	5272	0.10%	0.006%
138	10.460	10.454	10.471	VV	203	1548	0.03%	0.002%
139	10.496	10.471	10.508	VV	278	4033	0.08%	0.005%
140	10.534	10.508	10.547	VV	339	6523	0.12%	0.007%
141	10.567	10.547	10.597	VV	417	9348	0.17%	0.011%

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142	10.636	10.597	10.678	VV	595	16027	0.30%	0.018%
143	10.734	10.678	10.751	VV	749	18785	0.35%	0.021%
144	10.763	10.751	10.795	VV	657	10898	0.20%	0.012%
145	10.849	10.795	10.874	VV	309	11024	0.21%	0.012%
146	10.890	10.874	10.937	VV	238	7156	0.13%	0.008%
147	10.960	10.937	10.984	VV	365	7924	0.15%	0.009%
148	11.006	10.984	11.041	VV	468	9839	0.18%	0.011%
149	11.062	11.041	11.078	VV	377	6109	0.11%	0.007%
150	11.089	11.078	11.114	VV	255	3649	0.07%	0.004%
151	11.143	11.114	11.184	VV	1727	23292	0.44%	0.026%
152	11.205	11.184	11.220	VV	198	2598	0.05%	0.003%
153	11.233	11.220	11.240	VV	163	1648	0.03%	0.002%
154	11.270	11.240	11.301	VV	3496	46072	0.86%	0.052%
155	11.342	11.301	11.408	VV	465620	5349577	100.00%	6.050%
156	11.435	11.408	11.470	VV	1140	16947	0.32%	0.019%
157	11.495	11.470	11.528	VV	142	3410	0.06%	0.004%
158	11.562	11.528	11.600	VV	153	3226	0.06%	0.004%
159	11.644	11.600	11.678	PV	256	6683	0.12%	0.008%
160	11.695	11.678	11.706	VV	251	2851	0.05%	0.003%
161	11.735	11.706	11.778	VV	352	8536	0.16%	0.010%
162	11.799	11.778	11.847	VV	378	9030	0.17%	0.010%
163	11.865	11.847	11.875	VV	79	1311	0.02%	0.001%
164	11.895	11.875	11.921	VV	130	2441	0.05%	0.003%
165	11.939	11.921	11.954	VV	217	3176	0.06%	0.004%
166	12.008	11.954	12.034	VV	653	14114	0.26%	0.016%
167	12.067	12.034	12.101	VV	170	5167	0.10%	0.006%
168	12.116	12.101	12.189	VV	213	6431	0.12%	0.007%
169	12.230	12.189	12.262	VV	354	8248	0.15%	0.009%
170	12.300	12.262	12.328	VV	331	8179	0.15%	0.009%
171	12.343	12.328	12.368	VV	263	4007	0.07%	0.005%
172	12.385	12.368	12.408	VV	172	3095	0.06%	0.003%
173	12.474	12.408	12.501	VV	1314	25897	0.48%	0.029%
174	12.510	12.501	12.564	VV	414	7191	0.13%	0.008%
175	12.590	12.564	12.614	VV	697	10030	0.19%	0.011%
176	12.655	12.614	12.738	VV	452692	5327823	99.59%	6.025%
177	12.769	12.738	12.808	VV	337	6166	0.12%	0.007%
178	12.815	12.808	12.862	PV	92	1856	0.03%	0.002%
179	12.920	12.862	12.962	VV	271	6738	0.13%	0.008%
180	12.972	12.962	12.990	VV	143	1565	0.03%	0.002%
181	13.099	12.990	13.183	VV	327144	3801290	71.06%	4.299%
182	13.208	13.183	13.226	VV	418	6870	0.13%	0.008%
183	13.267	13.226	13.305	VV	431479	5086508	95.08%	5.752%
184	13.317	13.305	13.357	VV	363	8751	0.16%	0.010%
185	13.374	13.357	13.447	VV	259	8930	0.17%	0.010%
186	13.485	13.447	13.514	VV	260	7998	0.15%	0.009%
187	13.536	13.514	13.591	VV	300	9741	0.18%	0.011%
188	13.609	13.591	13.624	VV	227	3873	0.07%	0.004%
189	13.642	13.624	13.663	VV	683	9615	0.18%	0.011%
190	13.692	13.663	13.732	VV	1021	19398	0.36%	0.022%
191	13.747	13.732	13.771	VV	281	5564	0.10%	0.006%
192	13.800	13.771	13.814	VV	772	11970	0.22%	0.014%
193	13.854	13.814	13.897	VV	397893	4954966	92.62%	5.604%
194	13.910	13.897	13.957	VV	394	8542	0.16%	0.010%

					rteres			
195	13.982	13.957	14.003	VV	354	5456	0.10%	0.006%
196	14.016	14.003	14.024	VV	114	1080	0.02%	0.001%
197	14.073	14.024	14.145	VV	268	13161	0.25%	0.015%
198	14.152	14.145	14.171	VV	136	1781	0.03%	0.002%
199	14.183	14.171	14.201	VV	119	2359	0.04%	0.003%
200	14.221	14.201	14.241	VV	207	3433	0.06%	0.004%
201	14.289	14.241	14.328	VV	971	18688	0.35%	0.021%
202	14.335	14.328	14.344	VV	191	1649	0.03%	0.002%
203	14.348	14.344	14.377	VV	213	3122	0.06%	0.004%
204	14.414	14.377	14.452	VV	2224	32030	0.60%	0.036%
205	14.499	14.452	14.521	VV	188	6383	0.12%	0.007%
206	14.544	14.521	14.601	VV	314	9138	0.17%	0.010%
207	14.618	14.601	14.708	VV	286	13507	0.25%	0.015%
208	14.718	14.708	14.726	VV	199	1990	0.04%	0.002%
209	14.733	14.726	14.750	VV	256	2367	0.04%	0.003%
210	14.763	14.750	14.783	VV	276	3848	0.07%	0.004%
211	14.813	14.783	14.878	VV	441	11677	0.22%	0.013%
212	14.958	14.878	15.048	VV	368883	4780732	89.37%	5.406%
213	15.058	15.048	15.074	VV	156	2121	0.04%	0.002%
214	15.119	15.074	15.178	VV	247	9202	0.17%	0.010%
215	15.202	15.178	15.234	VV	174	3493	0.07%	0.004%
216	15.293	15.234	15.327	PV	197	5639	0.11%	0.006%
217	15.342	15.327	15.354	VV	135	1961	0.04%	0.002%
218	15.364	15.354	15.428	VV	210	4783	0.09%	0.005%
219	15.438	15.428	15.447	VV	161	1605	0.03%	0.002%
220	15.476	15.447	15.543	VV	3473	47361	0.89%	0.054%
221	15.578	15.543	15.647	VV	138	6588	0.12%	0.007%
222	15.655	15.647	15.701	VV	171	3581	0.07%	0.004%
223	15.738	15.701	15.758	VV	176	3729	0.07%	0.004%
224	15.801	15.758	15.820	VV	262	6292	0.12%	0.007%
225	15.846	15.820	15.893	VV	361	8985	0.17%	0.010%
226	15.980	15.893	16.052	VV	353852	4542172	84.91%	5.137%
227	16.067	16.052	16.178	VV	170	6256	0.12%	0.007%
228	16.181	16.178	16.191	VV	110	393	0.01%	0.000%
229	16.290	16.191	16.318	PV	175	4023	0.08%	0.005%
230	16.337	16.318	16.394	VV	240	3348	0.06%	0.004%
231	16.461	16.394	16.527	VV	3900	56117	1.05%	0.063%
232	16.544	16.527	16.601	VV	132	3152	0.06%	0.004%
233	16.627	16.601	16.654	VV	209	4410	0.08%	0.005%
234	16.661	16.654	16.694	VV	118	2422	0.05%	0.003%
235	16.703	16.694	16.714	VV	162	1134	0.02%	0.001%
236	16.762	16.714	16.781	VV	266	5463	0.10%	0.006%
237	16.811	16.781	16.844	VV	455	9023	0.17%	0.010%
238	16.932	16.844	17.001	VV	317005	4368073	81.65%	4.940%
239	17.032	17.001	17.048	VV	204	4672	0.09%	0.005%
240	17.063	17.048	17.104	VV	214	4682	0.09%	0.005%
241	17.132	17.104	17.179	VV	192	5994	0.11%	0.007%
242	17.213	17.179	17.241	VV	253	6719	0.13%	0.008%
243	17.262	17.241	17.288	VV	180	3276	0.06%	0.004%
244	17.324	17.288	17.334	PV	167	2603	0.05%	0.003%
245	17.381	17.334	17.420	VV	5684	79531	1.49%	0.090%
246	17.438	17.420	17.464	PV	90	1909	0.04%	0.002%

					rteres			
247	17.480	17.464	17.534	VV	240	5706	0.11%	0.006%
248	17.558	17.534	17.578	VV	201	3520	0.07%	0.004%
249	17.608	17.578	17.636	VV	240	4964	0.09%	0.006%
250	17.661	17.636	17.681	VV	171	3594	0.07%	0.004%
251	17.709	17.681	17.749	VV	2898	42991	0.80%	0.049%
252	17.821	17.749	17.884	VV	297597	4315649	80.67%	4.881%
253	17.905	17.884	17.933	VV	235	3942	0.07%	0.004%
254	17.978	17.933	18.029	VV	218	8041	0.15%	0.009%
255	18.038	18.029	18.054	VV	79	903	0.02%	0.001%
256	18.093	18.054	18.118	PV	284	4871	0.09%	0.006%
257	18.132	18.118	18.173	VV	117	1912	0.04%	0.002%
258	18.241	18.173	18.301	PV	8335	120010	2.24%	0.136%
259	18.342	18.301	18.354	VV	98	1651	0.03%	0.002%
260	18.379	18.354	18.398	VV	148	2232	0.04%	0.003%
261	18.498	18.398	18.527	PV	215	7517	0.14%	0.009%
262	18.544	18.527	18.572	VV	255	4748	0.09%	0.005%
263	18.655	18.572	18.734	VV	294491	4265207	79.73%	4.823%
264	18.850	18.734	18.860	VV	96	4972	0.09%	0.006%
265	18.907	18.860	18.924	PV	205	3354	0.06%	0.004%
266	18.951	18.924	18.961	VV	162	2369	0.04%	0.003%
267	18.978	18.961	18.994	VV	168	2221	0.04%	0.003%
268	19.049	18.994	19.094	VV	6126	94771	1.77%	0.107%
269	19.106	19.094	19.114	VV	124	1088	0.02%	0.001%
270	19.168	19.114	19.198	VV	225	8465	0.16%	0.010%
271	19.227	19.198	19.250	VV	261	6371	0.12%	0.007%
272	19.261	19.250	19.269	VV	199	1790	0.03%	0.002%
273	19.296	19.269	19.323	VV	263	6521	0.12%	0.007%
274	19.347	19.323	19.384	VV	335	9420	0.18%	0.011%
275	19.440	19.384	19.520	VV	293476	4236417	79.19%	4.791%
276	19.545	19.520	19.554	VV	406	7803	0.15%	0.009%
277	19.562	19.554	19.573	VV	448	4578	0.09%	0.005%
278	19.672	19.573	19.681	VV	596	33014	0.62%	0.037%
279	19.733	19.681	19.768	VV	762	33382	0.62%	0.038%
280	19.811	19.768	19.844	VV	2591	59997	1.12%	0.068%
281	20.081	19.844	20.123	VV	1814	179067	3.35%	0.203%
282	20.180	20.123	20.274	VV	278010	4209355	78.69%	4.760%
283	20.305	20.274	20.314	VV	1658	39455	0.74%	0.045%
284	20.444	20.314	20.512	VV	4055	321257	6.01%	0.363%
285	20.538	20.512	20.595	VV	3057	110670	2.07%	0.125%
286	20.624	20.595	20.635	VV	1934	44546	0.83%	0.050%
287	20.645	20.635	20.654	VV	1901	21861	0.41%	0.025%
288	20.662	20.654	20.668	VV	1906	15581	0.29%	0.018%
289	20.676	20.668	20.682	VV	1938	16533	0.31%	0.019%
290	20.733	20.682	20.754	VV	2066	85187	1.59%	0.096%
291	20.773	20.754	20.811	VV	1963	64671	1.21%	0.073%
292	20.837	20.811	20.878	VV	1960	74692	1.40%	0.084%
293	20.945	20.878	21.041	VV	214984	4148924	77.56%	4.692%
294	21.058	21.041	21.092	VV	1680	48661	0.91%	0.055%
295	21.101	21.092	21.107	VV	1488	13817	0.26%	0.016%
296	21.115	21.107	21.131	VV	1539	21163	0.40%	0.024%
297	21.140	21.131	21.178	VV	1439	38775	0.72%	0.044%
298	21.190	21.178	21.204	VV	1406	21373	0.40%	0.024%
299	21.220	21.204	21.248	VV	1391	33649	0.63%	0.038%

					rteres			
300	21.288	21.248	21.351	VV	1321	76636	1.43%	0.087%
301	21.389	21.351	21.444	VV	1829	76750	1.43%	0.087%
302	21.455	21.444	21.484	VV	1073	24184	0.45%	0.027%
303	21.491	21.484	21.642	VV	946	76663	1.43%	0.087%
304	21.777	21.642	21.818	VV	657	64305	1.20%	0.073%
305	21.905	21.818	22.144	VV	151357	3731768	69.76%	4.220%

Sum of corrected areas: 88425912

Aliphatic EPH 080125.M Mon Aug 25 01:40:09 2025

Report of Analysis

Client:	BAPS North Bergen Development Inc.		Date Collected:	
Project:	BAPS 2000 Tonnelle Ave		Date Received:	
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD		SDG No.:	Q2892
Lab Sample ID:	Q2892-05MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	88.5
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
FD049661.D	1	08/21/25	08/23/25	PB169364

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.37		0.14	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.3		0.26	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.9		0.45	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	35.6		1.34	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.7		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.3		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.5		40 - 140	69%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2892-05MSD	Acq On:	23 Aug 2025 04:42
Client Sample ID:	BACK-1-FLOOR-CENTER-MIDDLE-CMSD	Operator:	YP/AJ
Data file:	FD049661.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.407	6.150	9152570	84.793	200	ug/ml
Aromatic C12-C16	6.151	8.778	16960149	137.24	300	ug/ml
Aromatic C16-C21	8.779	13.069	36848911	291.327	500	ug/ml
Aromatic C21-C36	13.070	18.489	53349934	473.724	800	ug/ml
Aromatic EPH	4.407	18.489	116311564	987.084		ug/ml
2-Bromonaphthalene (SURRE)	7.716	7.716	5397839	52.67		ug/ml
2-Fluorobiphenyl (SURRE)	8.581	8.581	3821859	52.32		ug/ml
ortho-Terphenyl (SURRE)	11.626	11.626	4473947	34.47		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
 Data File : FD049661.D
 Signal(s) : FID2B.ch
 Acq On : 23 Aug 2025 04:42
 Operator : YP/AJ
 Sample : Q2892-05MSD
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E

Quant Time: Aug 25 01:53:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M

Quant Title : GC Extractables

QLast Update : Mon Aug 11 14:11:57 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...	7.716	5397839	52.669 ug/ml
Spiked Amount 50.000		Recovery =	105.34%
6) S 2-Fluorobiphenyl (SURR)	8.581	3821859	52.321 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	104.64%
11) S ortho-Terphenyl (SURR)	11.626	4473947	34.469 ug/ml
Spiked Amount 50.000		Recovery =	68.94%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	3768458	37.230 ug/ml
2) T Naphthalene (C11.7)	6.050	4519080	39.413 ug/ml
3) T 2-Methylnaphthalene (...)	7.105	4455842	37.352 ug/ml
5) T Acenaphthylene (C15.06)	8.384	5336113	42.447 ug/ml
7) T Acenaphthene (C15.5)	8.681	5411614	43.040 ug/ml
8) T Flouorene (C16.55)	9.463	5850505	46.209 ug/ml
9) T Phenanthrene (C19.36)	10.862	6360335	49.237 ug/ml
10) T Anthracene (C19.43)	10.938	6377479	51.768 ug/ml
12) T Fluoranthene (C21.85)	12.677	6570957	51.329 ug/ml
13) T Pyrene (C20.8)	12.976	6624813	52.178 ug/ml
14) T Benzo[a]anthracene (C...	14.848	6319211	54.761 ug/ml
15) T Chrysene (C27.41)	14.894	6979524	59.612 ug/ml
16) T benzo[b]fluoranthene ...	16.401	6041068	53.116 ug/ml
17) T Bnezo[k]fluoranthene ...	16.437	5874719	54.880 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.781	5842539	52.666 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	6224147	60.383 ug/ml
20) T Dibenz[a,h]anthracene...	18.187	5662388	51.949 ug/ml
21) T Benzo[g,h,i]perylene ...	18.405	5489834	50.239 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082225AR\
Data File : FD049661.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 04:42
Operator : YP/AJ
Sample : Q2892-05MSD
Misc :
ALS Vial : 74 Sample Multiplier: 1

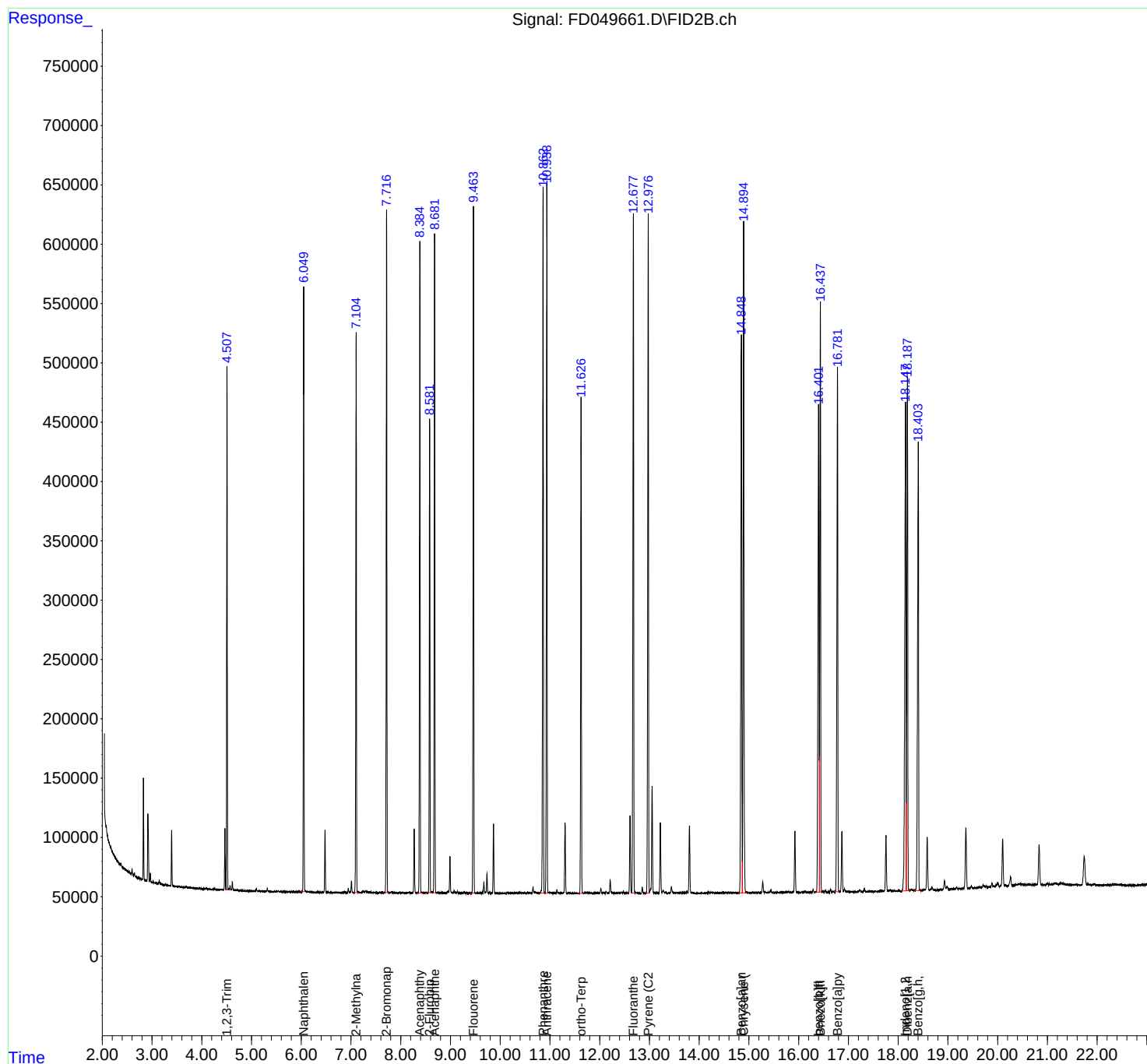
Instrument :
FID_D
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File: sample.E
Quant Time: Aug 25 01:53:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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 :

BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD08222
Data File : FD049661.D
Signal(s) : FID2B.ch
Acq On : 23 Aug 2025 04:42
Sample : Q2892-05MSD
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.261	4.252	4.305	BV	403	3472	0.05%	0.003%
2	4.327	4.318	4.334	VV	343	1666	0.02%	0.001%
3	4.353	4.343	4.362	VV	317	1992	0.03%	0.002%
4	4.368	4.362	4.391	VV	136	1613	0.02%	0.001%
5	4.401	4.391	4.410	VV	197	1012	0.01%	0.001%
6	4.417	4.410	4.437	VV	311	3221	0.05%	0.002%
7	4.465	4.437	4.484	PV	51985	452923	6.47%	0.348%
8	4.507	4.484	4.532	VV	441169	3773611	53.92%	2.901%
9	4.540	4.532	4.554	VV	1301	12316	0.18%	0.009%
10	4.570	4.554	4.592	VV	3810	38958	0.56%	0.030%
11	4.615	4.592	4.647	VV	7060	71296	1.02%	0.055%
12	4.664	4.647	4.684	VV	518	7214	0.10%	0.006%
13	4.690	4.684	4.705	VV	564	4112	0.06%	0.003%
14	4.720	4.705	4.736	VV	771	7911	0.11%	0.006%
15	4.741	4.736	4.753	VV	247	1468	0.02%	0.001%
16	4.772	4.753	4.789	VV	273	3488	0.05%	0.003%
17	4.804	4.789	4.817	VV	436	3717	0.05%	0.003%
18	4.842	4.827	4.868	VV	403	4634	0.07%	0.004%
19	4.883	4.868	4.895	VV	245	2658	0.04%	0.002%
20	4.909	4.895	4.925	VV	424	4401	0.06%	0.003%
21	4.966	4.942	4.987	PV	328	5206	0.07%	0.004%
22	4.991	4.987	5.004	VV	350	2144	0.03%	0.002%
23	5.018	5.004	5.031	VV	362	4408	0.06%	0.003%
24	5.042	5.031	5.054	VV	214	1972	0.03%	0.002%
25	5.076	5.054	5.083	VV	419	4304	0.06%	0.003%
26	5.099	5.083	5.130	VV	2152	23183	0.33%	0.018%
27	5.157	5.130	5.174	PV	758	10217	0.15%	0.008%
28	5.183	5.174	5.197	VV	326	3759	0.05%	0.003%
29	5.205	5.197	5.222	VV	323	3907	0.06%	0.003%
30	5.227	5.222	5.248	VV	324	3301	0.05%	0.003%
31	5.253	5.248	5.286	VV	293	3976	0.06%	0.003%
32	5.293	5.286	5.301	VV	350	2776	0.04%	0.002%
33	5.318	5.301	5.369	VV	2493	30087	0.43%	0.023%
34	5.380	5.369	5.405	VV	322	3255	0.05%	0.003%
35	5.412	5.405	5.426	VV	275	2423	0.03%	0.002%
36	5.432	5.426	5.443	VV	257	1599	0.02%	0.001%

					rters			
37	5.465	5.443	5.477	VV	461	4872	0.07%	0.004%
38	5.501	5.485	5.513	VV	596	6096		
39	5.539	5.513	5.563	VV	964	11901		
40	5.579	5.573	5.585	VV	389	1782		
41	5.598	5.585	5.611	VV	422	4695		
42	5.618	5.611	5.625	VV	259	1827		
43	5.632	5.625	5.639	VV	358	2029	0.03%	0.002%
44	5.651	5.639	5.664	VV	333	4275	0.06%	0.003%
45	5.669	5.664	5.706	VV	330	4185	0.06%	0.003%
46	5.711	5.706	5.722	VV	191	1040	0.01%	0.001%
47	5.740	5.722	5.746	PV	300	3339	0.05%	0.003%
48	5.751	5.746	5.772	VV	288	2350	0.03%	0.002%
49	5.809	5.784	5.814	VV	421	4255	0.06%	0.003%
50	5.818	5.814	5.829	VV	295	1846	0.03%	0.001%
51	5.836	5.829	5.851	VV	246	2978	0.04%	0.002%
52	5.854	5.851	5.871	VV	285	1933	0.03%	0.001%
53	5.883	5.871	5.909	VV	279	3808	0.05%	0.003%
54	5.916	5.909	5.945	VV	388	6412	0.09%	0.005%
55	5.951	5.945	5.973	VV	511	5750	0.08%	0.004%
56	5.987	5.973	6.015	VV	508	8459	0.12%	0.007%
57	6.050	6.015	6.085	VV	511087	4545509	64.95%	3.494%
58	6.095	6.085	6.125	VV	910	15164	0.22%	0.012%
59	6.137	6.125	6.158	VV	795	9620	0.14%	0.007%
60	6.166	6.158	6.177	VV	600	4198	0.06%	0.003%
61	6.204	6.177	6.224	VV	678	12061	0.17%	0.009%
62	6.242	6.231	6.250	VV	269	2104	0.03%	0.002%
63	6.259	6.250	6.274	VV	264	2653	0.04%	0.002%
64	6.277	6.274	6.303	VV	242	3023	0.04%	0.002%
65	6.327	6.303	6.343	VV	1052	11599	0.17%	0.009%
66	6.350	6.343	6.375	VV	317	2884	0.04%	0.002%
67	6.397	6.375	6.405	VV	265	3045	0.04%	0.002%
68	6.409	6.405	6.425	VV	258	2755	0.04%	0.002%
69	6.435	6.425	6.445	VV	468	3458	0.05%	0.003%
70	6.479	6.445	6.510	VV	52808	503497	7.19%	0.387%
71	6.522	6.510	6.527	VV	405	3310	0.05%	0.003%
72	6.539	6.527	6.551	VV	472	5475	0.08%	0.004%
73	6.559	6.551	6.576	VV	454	4078	0.06%	0.003%
74	6.598	6.585	6.615	VV	587	5505	0.08%	0.004%
75	6.629	6.615	6.650	VV	601	6194	0.09%	0.005%
76	6.656	6.650	6.690	VV	362	4727	0.07%	0.004%
77	6.706	6.690	6.726	PV	454	5171	0.07%	0.004%
78	6.731	6.726	6.761	VV	303	4608	0.07%	0.004%
79	6.769	6.761	6.787	VV	261	3264	0.05%	0.003%
80	6.799	6.787	6.829	VV	326	4366	0.06%	0.003%
81	6.855	6.829	6.872	VV	496	8226	0.12%	0.006%
82	6.877	6.872	6.910	VV	430	7115	0.10%	0.005%
83	6.915	6.910	6.919	VV	412	1709	0.02%	0.001%
84	6.947	6.919	6.965	VV	4107	43803	0.63%	0.034%
85	6.976	6.965	6.990	VV	736	9307	0.13%	0.007%
86	7.010	6.990	7.065	VV	10202	111868	1.60%	0.086%
87	7.105	7.065	7.139	VV	473547	4471605	63.89%	3.438%
88	7.146	7.139	7.175	VV	745	11686	0.17%	0.009%
89	7.180	7.175	7.192	VV	357	3016	0.04%	0.002%

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90	7.205	7.192	7.222	VV	462	5820	0.08%	0.004%
91	7.239	7.222	7.252	VV	1854	19741		
92	7.263	7.252	7.277	VV	1630	17620		
93	7.295	7.277	7.308	VV	2166	26704		
94	7.320	7.308	7.345	VV	1412	19131		
95	7.349	7.345	7.355	VV	642	3130		
96	7.372	7.355	7.389	VV	1129	13020	0.19%	0.010%
97	7.398	7.389	7.416	VV	788	9106	0.13%	0.007%
98	7.452	7.416	7.457	VV	547	8036	0.11%	0.006%
99	7.463	7.457	7.467	VV	484	2768	0.04%	0.002%
100	7.472	7.467	7.483	VV	551	4122	0.06%	0.003%
101	7.491	7.483	7.513	VV	679	6718	0.10%	0.005%
102	7.522	7.513	7.528	VV	267	1637	0.02%	0.001%
103	7.534	7.528	7.549	VV	357	3304	0.05%	0.003%
104	7.577	7.549	7.594	VV	732	11878	0.17%	0.009%
105	7.599	7.594	7.605	VV	438	2354	0.03%	0.002%
106	7.632	7.605	7.645	VV	571	10310	0.15%	0.008%
107	7.666	7.645	7.683	VV	601	9574	0.14%	0.007%
108	7.716	7.683	7.784	VV	573504	5428506	77.56%	4.173%
109	7.809	7.784	7.815	VV	879	12302	0.18%	0.009%
110	7.822	7.815	7.838	VV	1196	9592	0.14%	0.007%
111	7.842	7.838	7.862	VV	501	5535	0.08%	0.004%
112	7.868	7.862	7.874	VV	429	2562	0.04%	0.002%
113	7.879	7.874	7.882	VV	313	1455	0.02%	0.001%
114	7.888	7.882	7.896	VV	511	2809	0.04%	0.002%
115	7.904	7.896	7.910	VV	358	2555	0.04%	0.002%
116	7.919	7.910	7.938	VV	361	3771	0.05%	0.003%
117	7.968	7.938	7.979	PV	722	8534	0.12%	0.007%
118	7.985	7.979	7.998	VV	396	3797	0.05%	0.003%
119	8.020	7.998	8.030	VV	504	7709	0.11%	0.006%
120	8.035	8.030	8.040	VV	440	2360	0.03%	0.002%
121	8.049	8.040	8.061	VV	516	5211	0.07%	0.004%
122	8.070	8.061	8.087	VV	378	4713	0.07%	0.004%
123	8.096	8.087	8.109	VV	511	4806	0.07%	0.004%
124	8.113	8.109	8.119	VV	348	1577	0.02%	0.001%
125	8.147	8.119	8.155	VV	623	8904	0.13%	0.007%
126	8.165	8.155	8.197	VV	769	15017	0.21%	0.012%
127	8.200	8.197	8.232	VV	482	6647	0.09%	0.005%
128	8.271	8.232	8.298	VV	53959	551259	7.88%	0.424%
129	8.301	8.298	8.316	VV	343	1905	0.03%	0.001%
130	8.333	8.316	8.352	VV	519	7059	0.10%	0.005%
131	8.384	8.352	8.450	VV	548247	5353973	76.50%	4.116%
132	8.468	8.450	8.495	VV	609	11176	0.16%	0.009%
133	8.504	8.495	8.544	VV	554	9488	0.14%	0.007%
134	8.581	8.544	8.611	VV	399155	3844808	54.93%	2.956%
135	8.632	8.611	8.649	VV	1517	23205	0.33%	0.018%
136	8.681	8.649	8.720	VV	557311	5431946	77.61%	4.176%
137	8.730	8.720	8.739	VV	610	6189	0.09%	0.005%
138	8.754	8.739	8.764	VV	686	8794	0.13%	0.007%
139	8.770	8.764	8.777	VV	548	4016	0.06%	0.003%
140	8.780	8.777	8.789	VV	625	3591	0.05%	0.003%
141	8.803	8.789	8.817	VV	644	8330	0.12%	0.006%

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0.08% 0.004%

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142	8.826	8.817	8.850	VV	786	9357	0.13%	0.007%
143	8.868	8.850	8.883	VV	720	10036	0.09%	0.005%
144	8.889	8.883	8.908	VV	543	4424	0.07%	0.004%
145	8.928	8.908	8.935	VV	546	6175	0.09%	0.005%
146	8.950	8.935	8.964	VV	1379	18249	0.31%	0.016%
147	8.990	8.964	9.037	VV	31136	330703	0.09%	0.005%
148	9.044	9.037	9.056	VV	763	6818	0.10%	0.005%
149	9.070	9.056	9.093	VV	1880	22939	0.33%	0.018%
150	9.114	9.093	9.126	VV	1072	15512	0.22%	0.012%
151	9.143	9.126	9.169	VV	1769	21415	0.31%	0.016%
152	9.182	9.169	9.211	VV	405	6271	0.09%	0.005%
153	9.215	9.211	9.220	VV	237	1025	0.01%	0.001%
154	9.234	9.220	9.249	VV	386	4707	0.07%	0.004%
155	9.272	9.249	9.303	VV	718	15781	0.23%	0.012%
156	9.316	9.303	9.321	VV	616	4831	0.07%	0.004%
157	9.329	9.321	9.339	VV	587	4714	0.07%	0.004%
158	9.346	9.339	9.350	VV	245	1391	0.02%	0.001%
159	9.359	9.350	9.364	VV	289	1718	0.02%	0.001%
160	9.396	9.364	9.411	VV	412	6683	0.10%	0.005%
161	9.463	9.411	9.500	VV	580005	5865473	83.81%	4.509%
162	9.508	9.500	9.534	VV	420	7000	0.10%	0.005%
163	9.537	9.534	9.549	VV	492	3444	0.05%	0.003%
164	9.555	9.549	9.570	VV	444	4007	0.06%	0.003%
165	9.574	9.570	9.578	VV	264	1217	0.02%	0.001%
166	9.598	9.578	9.620	VV	548	9233	0.13%	0.007%
167	9.640	9.620	9.653	VV	1006	12428	0.18%	0.010%
168	9.672	9.653	9.692	VV	9377	97561	1.39%	0.075%
169	9.704	9.692	9.713	VV	1139	11642	0.17%	0.009%
170	9.734	9.713	9.764	VV	16725	175391	2.51%	0.135%
171	9.790	9.764	9.798	VV	702	9440	0.13%	0.007%
172	9.802	9.798	9.834	VV	502	4902	0.07%	0.004%
173	9.866	9.834	9.893	PV	58557	616812	8.81%	0.474%
174	9.901	9.893	9.918	VV	365	3088	0.04%	0.002%
175	9.939	9.918	9.955	VV	361	5140	0.07%	0.004%
176	9.964	9.955	9.974	VV	344	3022	0.04%	0.002%
177	9.990	9.974	9.997	VV	400	3032	0.04%	0.002%
178	10.007	9.997	10.017	VV	372	2703	0.04%	0.002%
179	10.022	10.017	10.033	VV	208	1669	0.02%	0.001%
180	10.038	10.033	10.052	VV	279	2483	0.04%	0.002%
181	10.062	10.052	10.072	VV	320	2652	0.04%	0.002%
182	10.094	10.072	10.110	VV	454	5792	0.08%	0.004%
183	10.115	10.110	10.124	VV	230	1101	0.02%	0.001%
184	10.142	10.128	10.167	VV	777	9376	0.13%	0.007%
185	10.170	10.167	10.188	VV	384	2573	0.04%	0.002%
186	10.199	10.188	10.204	VV	385	3012	0.04%	0.002%
187	10.209	10.204	10.230	VV	435	5243	0.07%	0.004%
188	10.237	10.230	10.243	VV	524	2672	0.04%	0.002%
189	10.285	10.243	10.313	VV	590	17338	0.25%	0.013%
190	10.329	10.313	10.336	VV	479	4752	0.07%	0.004%
191	10.349	10.336	10.359	VV	375	4400	0.06%	0.003%
192	10.361	10.359	10.366	VV	363	1682	0.02%	0.001%
193	10.388	10.366	10.407	VV	1348	17934	0.26%	0.014%
194	10.413	10.407	10.424	VV	422	3882	0.06%	0.003%

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195	10.426	10.424	10.439	VV	420	3209	0.05%	0.002%
196	10.450	10.439	10.467	VV	526	6258		
197	10.491	10.467	10.526	VV	1128	17415		
198	10.555	10.526	10.567	VV	766	11228		
199	10.585	10.567	10.611	VV	817	15228		
200	10.619	10.611	10.636	VV	560	6281		
201	10.661	10.636	10.681	VV	5480	63409	0.91%	0.049%
202	10.693	10.681	10.714	VV	1151	17804	0.25%	0.014%
203	10.740	10.714	10.769	VV	724	15621	0.22%	0.012%
204	10.795	10.769	10.803	VV	593	8070	0.12%	0.006%
205	10.824	10.803	10.830	VV	2632	24765	0.35%	0.019%
206	10.862	10.830	10.902	VV	594360	6364671	90.94%	4.893%
207	10.938	10.902	10.995	VV	599941	6408537	91.57%	4.927%
208	11.011	10.995	11.032	VV	1041	17393	0.25%	0.013%
209	11.036	11.032	11.070	VV	747	11148	0.16%	0.009%
210	11.071	11.070	11.086	VV	480	3168	0.05%	0.002%
211	11.109	11.086	11.121	VV	597	7686	0.11%	0.006%
212	11.141	11.121	11.190	VV	2943	42745	0.61%	0.033%
213	11.194	11.190	11.207	VV	451	3316	0.05%	0.003%
214	11.233	11.207	11.257	VV	626	11932	0.17%	0.009%
215	11.304	11.257	11.345	VV	59644	677612	9.68%	0.521%
216	11.348	11.345	11.357	VV	484	2736	0.04%	0.002%
217	11.362	11.357	11.365	VV	484	2220	0.03%	0.002%
218	11.379	11.365	11.442	VV	948	18850	0.27%	0.014%
219	11.454	11.442	11.461	VV	455	4272	0.06%	0.003%
220	11.464	11.461	11.475	VV	396	2381	0.03%	0.002%
221	11.502	11.475	11.515	VV	625	9230	0.13%	0.007%
222	11.525	11.515	11.531	VV	442	3083	0.04%	0.002%
223	11.542	11.531	11.565	VV	557	6580	0.09%	0.005%
224	11.587	11.565	11.594	PV	398	4176	0.06%	0.003%
225	11.626	11.594	11.679	VV	419621	4486486	64.10%	3.449%
226	11.691	11.679	11.707	VV	765	10868	0.16%	0.008%
227	11.720	11.707	11.737	VV	970	12343	0.18%	0.009%
228	11.754	11.737	11.773	VV	1195	17812	0.25%	0.014%
229	11.781	11.773	11.784	VV	756	4680	0.07%	0.004%
230	11.792	11.784	11.804	VV	806	7898	0.11%	0.006%
231	11.806	11.804	11.817	VV	650	3842	0.05%	0.003%
232	11.831	11.817	11.865	VV	618	11142	0.16%	0.009%
233	11.877	11.865	11.886	VV	439	4345	0.06%	0.003%
234	11.901	11.886	11.925	VV	732	12143	0.17%	0.009%
235	11.958	11.925	11.965	VV	761	12382	0.18%	0.010%
236	11.977	11.965	11.998	VV	754	10799	0.15%	0.008%
237	12.023	11.998	12.050	VV	4547	56003	0.80%	0.043%
238	12.064	12.050	12.098	VV	764	14972	0.21%	0.012%
239	12.127	12.098	12.155	VV	1449	25642	0.37%	0.020%
240	12.170	12.155	12.175	VV	481	4707	0.07%	0.004%
241	12.211	12.175	12.286	VV	11387	163016	2.33%	0.125%
242	12.303	12.286	12.318	VV	531	7453	0.11%	0.006%
243	12.329	12.318	12.351	VV	590	9671	0.14%	0.007%
244	12.377	12.351	12.389	VV	636	11198	0.16%	0.009%
245	12.395	12.389	12.410	VV	573	5615	0.08%	0.004%
246	12.415	12.410	12.419	VV	577	2377	0.03%	0.002%

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					rteres				
247	12.422	12.419	12.434	VV	511	3894	0.06%	0.003%	
248	12.471	12.434	12.500	VV	1243	28255			
249	12.509	12.500	12.526	VV	399	5095			
250	12.553	12.526	12.579	VV	1019	17166			
251	12.610	12.579	12.638	VV	65359	752146	10.07%	0.004%	
252	12.677	12.638	12.710	VV	572675	6586534	94.15%	0.008%	
253	12.715	12.710	12.722	VV	736	4686	0.07%	0.004%	
254	12.730	12.722	12.754	VV	792	10627	0.15%	0.008%	
255	12.771	12.754	12.788	VV	473	6690	0.10%	0.005%	
256	12.802	12.788	12.819	VV	462	4144	0.06%	0.003%	
257	12.856	12.819	12.895	VV	5152	65096	0.93%	0.050%	
258	12.899	12.895	12.905	VV	277	1342	0.02%	0.001%	
259	12.915	12.905	12.925	VV	243	2031	0.03%	0.002%	
260	12.976	12.925	13.002	PV	574214	6636524	94.82%	5.102%	
261	13.023	13.002	13.030	VV	4104	44857	0.64%	0.034%	
262	13.054	13.030	13.095	VV	90375	1053126	15.05%	0.810%	
263	13.100	13.095	13.120	VV	668	6991	0.10%	0.005%	
264	13.132	13.120	13.141	VV	605	5272	0.08%	0.004%	
265	13.147	13.141	13.158	VV	520	4008	0.06%	0.003%	
266	13.168	13.158	13.188	VV	600	7102	0.10%	0.005%	
267	13.220	13.188	13.253	VV	59630	708471	10.12%	0.545%	
268	13.275	13.253	13.314	VV	2636	52250	0.75%	0.040%	
269	13.318	13.314	13.323	VV	689	3816	0.05%	0.003%	
270	13.336	13.323	13.359	VV	864	11395	0.16%	0.009%	
271	13.364	13.359	13.370	VV	239	1547	0.02%	0.001%	
272	13.384	13.370	13.388	VV	388	3275	0.05%	0.003%	
273	13.395	13.388	13.405	VV	543	3442	0.05%	0.003%	
274	13.443	13.405	13.504	VV	5737	97006	1.39%	0.075%	
275	13.512	13.504	13.531	VV	559	7430	0.11%	0.006%	
276	13.556	13.531	13.567	VV	558	8387	0.12%	0.006%	
277	13.571	13.567	13.577	VV	399	2131	0.03%	0.002%	
278	13.598	13.577	13.601	VV	448	5006	0.07%	0.004%	
279	13.606	13.601	13.613	VV	518	3275	0.05%	0.003%	
280	13.624	13.613	13.640	VV	680	8043	0.11%	0.006%	
281	13.669	13.640	13.694	VV	787	15939	0.23%	0.012%	
282	13.703	13.694	13.734	VV	568	10691	0.15%	0.008%	
283	13.755	13.734	13.775	VV	1767	24467	0.35%	0.019%	
284	13.805	13.775	13.843	VV	56779	696282	9.95%	0.535%	
285	13.853	13.843	13.862	VV	419	3838	0.05%	0.003%	
286	13.870	13.862	13.884	VV	453	3794	0.05%	0.003%	
287	13.889	13.884	13.914	VV	265	3359	0.05%	0.003%	
288	13.922	13.914	13.933	VV	281	2195	0.03%	0.002%	
289	13.942	13.933	13.949	VV	308	2293	0.03%	0.002%	
290	13.963	13.949	13.972	VV	418	3470	0.05%	0.003%	
291	13.977	13.972	13.996	VV	344	2992	0.04%	0.002%	
292	14.005	13.996	14.021	VV	376	2888	0.04%	0.002%	
293	14.043	14.021	14.068	VV	464	7552	0.11%	0.006%	
294	14.074	14.068	14.085	VV	238	1365	0.02%	0.001%	
295	14.095	14.085	14.101	VV	230	1583	0.02%	0.001%	
296	14.106	14.101	14.113	VV	215	1294	0.02%	0.001%	
297	14.120	14.113	14.140	VV	305	3538	0.05%	0.003%	
298	14.189	14.140	14.212	VV	1000	19658	0.28%	0.015%	
299	14.215	14.212	14.219	VV	247	1026	0.01%	0.001%	

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300	14.240	14.219	14.264	VV	1099	16662	0.24%	0.013%
301	14.278	14.264	14.297	VV	710	10280		
302	14.302	14.297	14.317	VV	393	3854		
303	14.326	14.317	14.345	VV	362	3384		
304	14.364	14.345	14.386	PV	603	7618		
305	14.398	14.386	14.420	VV	381	5399		
306	14.444	14.420	14.448	VV	358	4953	0.07%	0.004%
307	14.452	14.448	14.460	VV	386	1980	0.03%	0.002%
308	14.467	14.460	14.476	VV	387	2999	0.04%	0.002%
309	14.483	14.476	14.487	VV	423	2487	0.04%	0.002%
310	14.491	14.487	14.499	VV	447	2153	0.03%	0.002%
311	14.501	14.499	14.510	VV	488	2035	0.03%	0.002%
312	14.533	14.510	14.548	VV	868	11496	0.16%	0.009%
313	14.559	14.548	14.565	VV	420	2977	0.04%	0.002%
314	14.573	14.565	14.603	VV	482	7655	0.11%	0.006%
315	14.610	14.603	14.625	VV	466	4398	0.06%	0.003%
316	14.628	14.625	14.655	VV	357	4132	0.06%	0.003%
317	14.675	14.655	14.681	VV	413	4281	0.06%	0.003%
318	14.687	14.681	14.700	VV	386	3389	0.05%	0.003%
319	14.720	14.700	14.733	VV	380	5596	0.08%	0.004%
320	14.741	14.733	14.775	VV	499	7368	0.11%	0.006%
321	14.793	14.775	14.803	VV	167	1754	0.03%	0.001%
322	14.848	14.803	14.867	VV	470711	6325782	90.38%	4.863%
323	14.894	14.867	14.984	VV	568207	6998853	100.00%	5.380%
324	14.994	14.984	15.040	VV	460	8073	0.12%	0.006%
325	15.077	15.051	15.109	VV	393	10483	0.15%	0.008%
326	15.110	15.109	15.135	VV	411	4185	0.06%	0.003%
327	15.141	15.135	15.155	VV	236	2008	0.03%	0.002%
328	15.197	15.155	15.201	VV	282	4683	0.07%	0.004%
329	15.212	15.201	15.228	VV	388	3171	0.05%	0.002%
330	15.241	15.228	15.249	VV	203	1881	0.03%	0.001%
331	15.278	15.249	15.309	VV	9303	136131	1.95%	0.105%
332	15.325	15.309	15.360	VV	949	17112	0.24%	0.013%
333	15.375	15.360	15.384	VV	331	3549	0.05%	0.003%
334	15.389	15.384	15.399	VV	517	3729	0.05%	0.003%
335	15.441	15.399	15.470	VV	1967	39675	0.57%	0.031%
336	15.477	15.470	15.525	VV	479	9823	0.14%	0.008%
337	15.544	15.525	15.563	VV	395	5933	0.08%	0.005%
338	15.569	15.563	15.580	VV	269	1909	0.03%	0.001%
339	15.592	15.580	15.619	VV	295	4633	0.07%	0.004%
340	15.641	15.619	15.648	VV	334	4298	0.06%	0.003%
341	15.658	15.648	15.667	VV	457	4380	0.06%	0.003%
342	15.671	15.667	15.677	VV	496	2297	0.03%	0.002%
343	15.682	15.677	15.700	VV	471	4799	0.07%	0.004%
344	15.705	15.700	15.710	VV	317	1713	0.02%	0.001%
345	15.713	15.710	15.720	VV	385	1784	0.03%	0.001%
346	15.745	15.720	15.772	VV	706	15085	0.22%	0.012%
347	15.796	15.772	15.820	VV	791	15842	0.23%	0.012%
348	15.834	15.820	15.867	VV	431	9023	0.13%	0.007%
349	15.885	15.867	15.895	VV	567	7303	0.10%	0.006%
350	15.924	15.895	15.960	VV	51941	663421	9.48%	0.510%
351	15.985	15.960	16.038	VV	625	14154	0.20%	0.011%

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

					rters				
352	16.072	16.038	16.087	PV	569	9015	0.13%	0.007%	
353	16.092	16.087	16.097	VV	335	1567			
354	16.127	16.097	16.147	VV	717	14223			
355	16.154	16.147	16.167	VV	399	2833			
356	16.187	16.167	16.195	VV	386	4788			
357	16.203	16.195	16.211	VV	356	2372			
358	16.222	16.211	16.227	VV	296	2162	0.03%	0.002%	
359	16.240	16.234	16.265	VV	291	3611	0.05%	0.003%	
360	16.292	16.265	16.321	VV	2053	30835	0.44%	0.024%	
361	16.327	16.321	16.336	VV	288	1818	0.03%	0.001%	
362	16.401	16.336	16.416	VV	411608	6053831	86.50%	4.654%	
363	16.437	16.416	16.465	VV	497644	5967482	85.26%	4.588%	
364	16.487	16.465	16.508	VV	1127	18358	0.26%	0.014%	
365	16.512	16.508	16.516	VV	496	2093	0.03%	0.002%	
366	16.535	16.516	16.565	VV	1161	19539	0.28%	0.015%	
367	16.569	16.565	16.575	VV	405	1412	0.02%	0.001%	
368	16.583	16.575	16.595	VV	463	3067	0.04%	0.002%	
369	16.601	16.595	16.618	VV	462	3261	0.05%	0.003%	
370	16.641	16.618	16.663	VV	2594	31485	0.45%	0.024%	
371	16.672	16.663	16.681	VV	365	3008	0.04%	0.002%	
372	16.691	16.681	16.695	VV	389	2751	0.04%	0.002%	
373	16.714	16.695	16.732	VV	519	8501	0.12%	0.007%	
374	16.781	16.732	16.812	VV	442072	5867988	83.84%	4.511%	
375	16.816	16.812	16.822	VV	652	3522	0.05%	0.003%	
376	16.870	16.822	16.900	VV	51344	681734	9.74%	0.524%	
377	16.921	16.900	16.972	VV	2813	56054	0.80%	0.043%	
378	16.974	16.972	17.004	VV	516	7821	0.11%	0.006%	
379	17.009	17.004	17.020	VV	530	3724	0.05%	0.003%	
380	17.038	17.020	17.052	VV	323	4473	0.06%	0.003%	
381	17.069	17.052	17.082	VV	539	4344	0.06%	0.003%	
382	17.100	17.082	17.108	PV	221	1613	0.02%	0.001%	
383	17.124	17.108	17.144	VV	457	3863	0.06%	0.003%	
384	17.158	17.144	17.170	VV	315	2756	0.04%	0.002%	
385	17.177	17.170	17.186	VV	215	1397	0.02%	0.001%	
386	17.227	17.186	17.259	VV	2034	36763	0.53%	0.028%	
387	17.266	17.259	17.285	VV	386	4469	0.06%	0.003%	
388	17.320	17.285	17.346	VV	2541	40666	0.58%	0.031%	
389	17.355	17.346	17.373	VV	432	3562	0.05%	0.003%	
390	17.414	17.373	17.449	VV	539	15281	0.22%	0.012%	
391	17.456	17.449	17.476	VV	491	3901	0.06%	0.003%	
392	17.495	17.476	17.505	PV	201	1787	0.03%	0.001%	
393	17.527	17.505	17.532	VV	405	3545	0.05%	0.003%	
394	17.550	17.532	17.567	VV	388	6123	0.09%	0.005%	
395	17.618	17.567	17.628	VV	558	11487	0.16%	0.009%	
396	17.649	17.628	17.660	VV	711	9933	0.14%	0.008%	
397	17.674	17.660	17.702	VV	869	12534	0.18%	0.010%	
398	17.756	17.702	17.788	VV	47057	655112	9.36%	0.504%	
399	17.794	17.788	17.810	VV	692	8222	0.12%	0.006%	
400	17.843	17.810	17.877	VV	1447	32761	0.47%	0.025%	
401	17.887	17.877	17.897	VV	416	3940	0.06%	0.003%	
402	17.924	17.897	17.942	VV	806	14016	0.20%	0.011%	
403	17.978	17.953	17.987	PV	698	8389	0.12%	0.006%	
404	18.003	17.987	18.014	VV	772	8762	0.13%	0.007%	

Instrument :

FID_D

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-CMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

					rters			
405	18.019	18.014	18.057	VV	472	7698		
406	18.148	18.057	18.162	PV	411302	6236878	89	
407	18.187	18.162	18.244	VV	433736	5675778	83	
408	18.266	18.244	18.327	VV	1392	34591	0	
409	18.405	18.327	18.434	VV	377691	5493769	78	
410	18.439	18.434	18.454	VV	422	3033	0	

Instrument :
FID_D
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-CMSD
0.11% 0.006%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Sum of corrected areas: 130081114

Aromatic EPH 081125.M Mon Aug 25 03:56:47 2025

Manual Integration Report

Sequence:

FC080125AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2740-01MS	FC069568.D	n-Dotriacontane (C32)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Hexatriacontane (C36)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Octatriacontane (C38)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Tetracontane (C40)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Dotriacontane (C32)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Hexatriacontane (C36)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Octatriacontane (C38)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software



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

Manual Integration Report

Sequence:	FC082225AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069707.D	n-Tetracontane (C40)	yogesh	8/25/2025 7:40:55 AM	mohammad	8/26/2025 1:27:02	Peak Integrated by Software

Manual Integration Report

Sequence:

FC082525AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069719.D	n-Tetracontane (C40)	yogesh	8/26/2025 7:41:59 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	1-chlorooctadecane (SURR)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	A~Naphthalene (C11.7)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	n-Docosane (C22)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	n-Eicosane (C20)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	n-Heneicosane (C21)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	n-Hexadecane (C16)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	n-Octadecane (C18)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MS	FC069732.D	ortho-Terphenyl (SURR)	yogesh	8/26/2025 7:42:00 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	1-chlorooctadecane (SURR)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	A~Naphthalene (C11.7)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	n-Docosane (C22)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	n-Eicosane (C20)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

FC082525AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2932-03MSD	FC069733.D	n-Heneicosane (C21)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	n-Hexacosane (C26)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	n-Hexadecane (C16)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	n-Octadecane (C18)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software
Q2932-03MSD	FC069733.D	ortho-Terphenyl (SURR)	yogesh	8/26/2025 7:42:02 AM	 	 	Peak Integrated by Software



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Manual Integration Report

Sequence:

FD081125AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FD082225AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169364BS	FD049646.D	Bnezo[k]fluoranthene (C30.14)	yogesh	8/25/2025 11:09:31 AM	mohammad	8/26/2025 1:26:52	Peak Integrated by Software
PB169364BSD	FD049647.D	Bnezo[k]fluoranthene (C30.14)	yogesh	8/25/2025 11:09:32 AM	mohammad	8/26/2025 1:26:52	Peak Integrated by Software
Q2892-05MS	FD049660.D	Bnezo[k]fluoranthene (C30.14)	yogesh	8/25/2025 11:09:34 AM	mohammad	8/26/2025 1:26:52	Peak Integrated by Software
Q2892-05MSD	FD049661.D	Bnezo[k]fluoranthene (C30.14)	yogesh	8/25/2025 11:09:35 AM	mohammad	8/26/2025 1:26:52	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC080125AL

Review By	yogesh	Review On	8/1/2025 10:37:24 AM
Supervise By	mohammad	Supervise On	8/5/2025 1:59:30 AM
SubDirectory	FC080125AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069556.D	01 Aug 2025 09:39	YP/AJ	Ok
2	I.BLK	FC069557.D	01 Aug 2025 10:20	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069558.D	01 Aug 2025 11:01	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069559.D	01 Aug 2025 11:43	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069560.D	01 Aug 2025 12:24	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069561.D	01 Aug 2025 13:06	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069562.D	01 Aug 2025 13:47	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069563.D	01 Aug 2025 14:28	YP/AJ	Ok
9	I.BLK	FC069564.D	01 Aug 2025 15:10	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069565.D	01 Aug 2025 15:52	YP/AJ	Ok
11	Q2740-01	FC069566.D	01 Aug 2025 16:37	YP/AJ	Dilution
12	Q2740-01D	FC069567.D	01 Aug 2025 17:19	YP/AJ	Ok
13	Q2740-01MS	FC069568.D	01 Aug 2025 18:02	YP/AJ	Ok,M
14	Q2740-01MSD	FC069569.D	01 Aug 2025 18:44	YP/AJ	Ok,M
15	I.BLK	FC069570.D	01 Aug 2025 19:26	YP/AJ	Ok
16	20 PPM ALIPHATIC HC STD	FC069571.D	01 Aug 2025 20:09	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC082225AL

Review By	yogesh	Review On	8/22/2025 4:37:47 PM
Supervise By	mohammad	Supervise On	8/26/2025 1:27:02 AM
SubDirectory	FC082225AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069705.D	22 Aug 2025 11:54	YP/AJ	Ok
2	I.BLK	FC069706.D	22 Aug 2025 12:35	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069707.D	22 Aug 2025 13:18	YP/AJ	Ok,M
4	PB169364BS	FC069708.D	22 Aug 2025 15:26	YP/AJ	Ok
5	PB169364BSD	FC069709.D	22 Aug 2025 16:31	YP/AJ	Ok
6	PB169364BL	FC069710.D	22 Aug 2025 17:14	YP/AJ	Ok
7	Q2892-05	FC069711.D	22 Aug 2025 17:58	YP/AJ	Ok
8	Q2892-05D	FC069712.D	22 Aug 2025 18:43	YP/AJ	Ok
9	Q2892-05MS	FC069713.D	22 Aug 2025 19:28	YP/AJ	Ok
10	Q2892-05MSD	FC069714.D	22 Aug 2025 20:12	YP/AJ	Ok
11	I.BLK	FC069715.D	22 Aug 2025 21:41	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC069716.D	22 Aug 2025 22:26	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC082525AL

Review By	yogesh	Review On	8/25/2025 1:32:37 PM
Supervise By		Supervise On	
SubDirectory	FC082525AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069717.D	25 Aug 2025 08:51	YP/AJ	Ok
2	I.BLK	FC069718.D	25 Aug 2025 09:33	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069719.D	25 Aug 2025 11:00	YP/AJ	Ok,NS
4	Q2892-01	FC069720.D	25 Aug 2025 11:44	YP/AJ	Ok
5	Q2892-03	FC069721.D	25 Aug 2025 12:29	YP/AJ	Ok
6	Q2892-07	FC069722.D	25 Aug 2025 13:12	YP/AJ	Ok
7	Q2892-09	FC069723.D	25 Aug 2025 13:56	YP/AJ	Ok
8	Q2892-11	FC069724.D	25 Aug 2025 14:40	YP/AJ	Ok
9	I.BLK	FC069725.D	25 Aug 2025 15:26	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069726.D	25 Aug 2025 16:11	YP/AJ	Ok
11	PB169369BL	FC069727.D	25 Aug 2025 17:43	YP/AJ	Ok
12	PB169369BS	FC069728.D	25 Aug 2025 18:30	YP/AJ	Ok
13	PB169369BSD	FC069729.D	25 Aug 2025 19:15	YP/AJ	Ok
14	Q2932-03	FC069730.D	25 Aug 2025 20:02	YP/AJ	Dilution
15	Q2932-03D	FC069731.D	25 Aug 2025 20:47	YP/AJ	Ok
16	Q2932-03MS	FC069732.D	25 Aug 2025 21:31	YP/AJ	Ok,NS
17	Q2932-03MSD	FC069733.D	25 Aug 2025 22:15	YP/AJ	Ok,NS
18	I.BLK	FC069734.D	25 Aug 2025 23:40	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC069735.D	26 Aug 2025 00:22	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD081125AR

Review By	yogesh	Review On	8/11/2025 12:27:21 PM
Supervise By	mohammad	Supervise On	8/13/2025 1:17:39 AM
SubDirectory	FD081125AR	HP Acquire Method	HP Processing Method FD081125AR
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	FD049603.D	11 Aug 2025 08:46	YP/AJ	Ok
2	I.BLK	FD049604.D	11 Aug 2025 09:29	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049605.D	11 Aug 2025 10:39	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049606.D	11 Aug 2025 11:22	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049607.D	11 Aug 2025 12:06	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049608.D	11 Aug 2025 12:51	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049609.D	11 Aug 2025 13:35	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049610.D	11 Aug 2025 14:20	YP/AJ	Ok
9	I.BLK	FD049611.D	11 Aug 2025 15:05	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049612.D	11 Aug 2025 15:52	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD082225AR

Review By	yogesh	Review On	8/22/2025 3:39:04 PM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:52 AM
SubDirectory	FD082225AR	HP Acquire Method	HP Processing Method FD081125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24503 PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049643.D	22 Aug 2025 11:54	YP/AJ	Ok
2	I.BLK	FD049644.D	22 Aug 2025 12:35	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049645.D	22 Aug 2025 13:18	YP/AJ	Ok
4	PB169364BS	FD049646.D	22 Aug 2025 15:26	YP/AJ	Ok,M
5	PB169364BSD	FD049647.D	22 Aug 2025 16:31	YP/AJ	Ok,M
6	PB169364BL	FD049648.D	22 Aug 2025 17:14	YP/AJ	Ok
7	Q2832-01	FD049649.D	22 Aug 2025 17:58	YP/AJ	Ok
8	Q2832-03	FD049650.D	22 Aug 2025 18:43	YP/AJ	Ok
9	Q2832-05	FD049651.D	22 Aug 2025 19:28	YP/AJ	Ok
10	Q2832-07	FD049652.D	22 Aug 2025 20:12	YP/AJ	Ok
11	Q2832-09	FD049653.D	22 Aug 2025 20:56	YP/AJ	Ok
12	I.BLK	FD049654.D	22 Aug 2025 22:26	YP/AJ	Ok
13	20 PPM AROMATIC HC STD	FD049655.D	22 Aug 2025 23:13	YP/AJ	Ok
14	Q2892-01	FD049656.D	23 Aug 2025 00:47	YP/AJ	Ok
15	Q2892-03	FD049657.D	23 Aug 2025 01:34	YP/AJ	Ok
16	Q2892-05	FD049658.D	23 Aug 2025 02:21	YP/AJ	Ok
17	Q2892-05D	FD049659.D	23 Aug 2025 03:08	YP/AJ	Ok
18	Q2892-05MS	FD049660.D	23 Aug 2025 03:54	YP/AJ	Ok,M
19	Q2892-05MSD	FD049661.D	23 Aug 2025 04:42	YP/AJ	Ok,M
20	Q2892-07	FD049662.D	23 Aug 2025 05:26	YP/AJ	Ok
21	Q2892-09	FD049663.D	23 Aug 2025 06:08	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD082225AR

Review By	yogesh	Review On	8/22/2025 3:39:04 PM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:52 AM
SubDirectory	FD082225AR	HP Acquire Method	HP Processing Method FD081125AR
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		

22	Q2892-11	FD049664.D	23 Aug 2025 06:50	YP/AJ	Ok
23	I.BLK	FD049665.D	23 Aug 2025 07:32	YP/AJ	Ok
24	20 PPM AROMATIC HC STD	FD049666.D	23 Aug 2025 08:55	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC080125AL

Review By	yogesh	Review On	8/1/2025 10:37:24 AM
Supervise By	mohammad	Supervise On	8/5/2025 1:59:30 AM
SubDirectory	FC080125AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069556.D	01 Aug 2025 09:39		YP/AJ	Ok
2	I.BLK	I.BLK	FC069557.D	01 Aug 2025 10:20		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069558.D	01 Aug 2025 11:01		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069559.D	01 Aug 2025 11:43		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069560.D	01 Aug 2025 12:24		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069561.D	01 Aug 2025 13:06		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069562.D	01 Aug 2025 13:47		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069563.D	01 Aug 2025 14:28		YP/AJ	Ok
9	I.BLK	I.BLK	FC069564.D	01 Aug 2025 15:10		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069565.D	01 Aug 2025 15:52		YP/AJ	Ok
11	Q2740-01	OR-02-07312025	FC069566.D	01 Aug 2025 16:37	Need 2X	YP/AJ	Dilution
12	Q2740-01D	Q2740-01D	FC069567.D	01 Aug 2025 17:19		YP/AJ	Ok
13	Q2740-01MS	OR-02-07312025MS	FC069568.D	01 Aug 2025 18:02	FC069566.D	YP/AJ	Ok,M
14	Q2740-01MSD	OR-02-07312025MSD	FC069569.D	01 Aug 2025 18:44	FC069566.D!FC069568.D	YP/AJ	Ok,M
15	I.BLK	I.BLK	FC069570.D	01 Aug 2025 19:26		YP/AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069571.D	01 Aug 2025 20:09		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC082225AL

Review By	yogesh	Review On	8/22/2025 4:37:47 PM
Supervise By	mohammad	Supervise On	8/26/2025 1:27:02 AM
SubDirectory	FC082225AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069705.D	22 Aug 2025 11:54		YP/AJ	Ok
2	I.BLK	I.BLK	FC069706.D	22 Aug 2025 12:35		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069707.D	22 Aug 2025 13:18		YP/AJ	Ok,M
4	PB169364BS	PB169364BS	FC069708.D	22 Aug 2025 15:26	naphthalene break down - 0.340, 2-methylnepthalene break down - 0.151	YP/AJ	Ok
5	PB169364BSD	PB169364BSD	FC069709.D	22 Aug 2025 16:31	naphthalene break down - 0.384, 2-methylnepthalene break down - 0.324	YP/AJ	Ok
6	PB169364BL	PB169364BL	FC069710.D	22 Aug 2025 17:14		YP/AJ	Ok
7	Q2892-05	BACK-1-FLOOR-CENT	FC069711.D	22 Aug 2025 17:58		YP/AJ	Ok
8	Q2892-05D	Q2892-05D	FC069712.D	22 Aug 2025 18:43		YP/AJ	Ok
9	Q2892-05MS	BACK-1-FLOOR-CENT	FC069713.D	22 Aug 2025 19:28	FC069711.D	YP/AJ	Ok
10	Q2892-05MSD	BACK-1-FLOOR-CENT	FC069714.D	22 Aug 2025 20:12	FC069711.D!FC069713.D	YP/AJ	Ok
11	I.BLK	I.BLK	FC069715.D	22 Aug 2025 21:41		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069716.D	22 Aug 2025 22:26		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC082525AL

Review By	yogesh	Review On	8/25/2025 1:32:37 PM
Supervise By		Supervise On	
SubDirectory	FC082525AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069717.D	25 Aug 2025 08:51		YP/AJ	Ok
2	I.BLK	I.BLK	FC069718.D	25 Aug 2025 09:33		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069719.D	25 Aug 2025 11:00		YP/AJ	Ok,NS
4	Q2892-01	1-FLOOR-NORTH-EAS	FC069720.D	25 Aug 2025 11:44		YP/AJ	Ok
5	Q2892-03	1-FLOOR-DRILL-B-BA	FC069721.D	25 Aug 2025 12:29		YP/AJ	Ok
6	Q2892-07	3-FLOOR-NORTH-D	FC069722.D	25 Aug 2025 13:12		YP/AJ	Ok
7	Q2892-09	3-FLOOR-SOUTH-E	FC069723.D	25 Aug 2025 13:56		YP/AJ	Ok
8	Q2892-11	FRONT-1-FLOOR-F	FC069724.D	25 Aug 2025 14:40		YP/AJ	Ok
9	I.BLK	I.BLK	FC069725.D	25 Aug 2025 15:26		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069726.D	25 Aug 2025 16:11		YP/AJ	Ok
11	PB169369BL	PB169369BL	FC069727.D	25 Aug 2025 17:43		YP/AJ	Ok
12	PB169369BS	PB169369BS	FC069728.D	25 Aug 2025 18:30		YP/AJ	Ok
13	PB169369BSD	PB169369BSD	FC069729.D	25 Aug 2025 19:15		YP/AJ	Ok
14	Q2932-03	ARS20-0002-SOIL	FC069730.D	25 Aug 2025 20:02	Need 5X,100X	YP/AJ	Dilution
15	Q2932-03D	Q2932-03D	FC069731.D	25 Aug 2025 20:47		YP/AJ	Ok
16	Q2932-03MS	ARS20-0002-SOILMS	FC069732.D	25 Aug 2025 21:31	FC069730.D,Recovery fail for many Compounds	YP/AJ	Ok,NS
17	Q2932-03MSD	ARS20-0002-SOILMSD	FC069733.D	25 Aug 2025 22:15	FC069730.D!FC069732.D,Recovery fail for many Compounds	YP/AJ	Ok,NS

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC082525AL

Review By	yogesh	Review On	8/25/2025 1:32:37 PM
Supervise By		Supervise On	
SubDirectory	FC082525AL	HP Acquire Method	HP Processing Method FC080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	I.BLK	I.BLK	FC069734.D	25 Aug 2025 23:40		YP/AJ	Ok
19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069735.D	26 Aug 2025 00:22		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD081125AR

Review By	yogesh	Review On	8/11/2025 12:27:21 PM
Supervise By	mohammad	Supervise On	8/13/2025 1:17:39 AM
SubDirectory	FD081125AR	HP Acquire Method	HP Processing Method FD081125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM	PP24501,PP24506		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049603.D	11 Aug 2025 08:46		YP/AJ	Ok
2	I.BLK	I.BLK	FD049604.D	11 Aug 2025 09:29		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049605.D	11 Aug 2025 10:39		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049606.D	11 Aug 2025 11:22		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049607.D	11 Aug 2025 12:06		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049608.D	11 Aug 2025 12:51		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049609.D	11 Aug 2025 13:35		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049610.D	11 Aug 2025 14:20		YP/AJ	Ok
9	I.BLK	I.BLK	FD049611.D	11 Aug 2025 15:05		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049612.D	11 Aug 2025 15:52		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD082225AR

Review By	yogesh	Review On	8/22/2025 3:39:04 PM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:52 AM
SubDirectory	FD082225AR	HP Acquire Method	HP Processing Method FD081125AR

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	FD049643.D	22 Aug 2025 11:54		YP/AJ	Ok
2	I.BLK	I.BLK	FD049644.D	22 Aug 2025 12:35		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049645.D	22 Aug 2025 13:18		YP/AJ	Ok
4	PB169364BS	PB169364BS	FD049646.D	22 Aug 2025 15:26	naphthalene break down - 0.340, 2-methylnepthalene break down - 0.151	YP/AJ	Ok,M
5	PB169364BSD	PB169364BSD	FD049647.D	22 Aug 2025 16:31	naphthalene break down - 0.384, 2-methylnepthalene break down - 0.324	YP/AJ	Ok,M
6	PB169364BL	PB169364BL	FD049648.D	22 Aug 2025 17:14		YP/AJ	Ok
7	Q2832-01	TG-S01	FD049649.D	22 Aug 2025 17:58		YP/AJ	Ok
8	Q2832-03	TG-S02	FD049650.D	22 Aug 2025 18:43		YP/AJ	Ok
9	Q2832-05	TG-S03	FD049651.D	22 Aug 2025 19:28		YP/AJ	Ok
10	Q2832-07	TG-S04	FD049652.D	22 Aug 2025 20:12		YP/AJ	Ok
11	Q2832-09	TG-S05	FD049653.D	22 Aug 2025 20:56		YP/AJ	Ok
12	I.BLK	I.BLK	FD049654.D	22 Aug 2025 22:26		YP/AJ	Ok
13	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049655.D	22 Aug 2025 23:13		YP/AJ	Ok
14	Q2892-01	1-FLOOR-NORTH-EAS	FD049656.D	23 Aug 2025 00:47		YP/AJ	Ok
15	Q2892-03	1-FLOOR-DRILL-B-BA	FD049657.D	23 Aug 2025 01:34		YP/AJ	Ok
16	Q2892-05	BACK-1-FLOOR-CENT	FD049658.D	23 Aug 2025 02:21		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD082225AR

Review By	yogesh	Review On	8/22/2025 3:39:04 PM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:52 AM
SubDirectory	FD082225AR	HP Acquire Method	HP Processing Method FD081125AR
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			

17	Q2892-05D	Q2892-05D	FD049659.D	23 Aug 2025 03:08		YP/AJ	Ok
18	Q2892-05MS	BACK-1-FLOOR-CENT	FD049660.D	23 Aug 2025 03:54	FD049658.D	YP/AJ	Ok,M
19	Q2892-05MSD	BACK-1-FLOOR-CENT	FD049661.D	23 Aug 2025 04:42	FD049658.D!FD049660.D	YP/AJ	Ok,M
20	Q2892-07	3-FLOOR-NORTH-D	FD049662.D	23 Aug 2025 05:26		YP/AJ	Ok
21	Q2892-09	3-FLOOR-SOUTH-E	FD049663.D	23 Aug 2025 06:08		YP/AJ	Ok
22	Q2892-11	FRONT-1-FLOOR-F	FD049664.D	23 Aug 2025 06:50		YP/AJ	Ok
23	I.BLK	I.BLK	FD049665.D	23 Aug 2025 07:32		YP/AJ	Ok
24	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049666.D	23 Aug 2025 08:55		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/18/2025
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: 08/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136862

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
Q2891-01	BARRICADE	1	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2891-02	WALL-1	2	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2891-03	WALL-2	3	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2891-04	WALL-3	4	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2892-01	1ST-FLOOR-NORTH-EAST-C ONRNER-BACK-A	5	1.18	10.03	11.21	10.19	89.8	
Q2892-02	1ST-FLOOR-NORTH-EAST-C ONRNER-BACK-A	6	1.16	9.97	11.13	10.22	90.9	
Q2892-03	1ST-FLOOR-DRILL-B-BACK	7	1.19	10.43	11.62	10.54	89.6	
Q2892-04	1ST-FLOOR-DRILL-B-BACK	8	1.16	10.39	11.55	10.48	89.7	
Q2892-05	BACK-1-FLOOR-CENTER-MI DDLE-C	9	1.18	10.41	11.59	10.39	88.5	
Q2892-06	BACK-1-FLOOR-CENTER-MI DDLE-C	10	1.19	10.38	11.57	10.52	89.9	
Q2892-07	3-FLOOR-NORTH-D	11	1.15	10.68	11.83	11.09	93.1	
Q2892-08	3-FLOOR-NORTH-D	12	1.13	10.24	11.37	10.77	94.1	
Q2892-09	3-FLOOR-SOUTH-E	13	1.17	10.21	11.38	10.48	91.2	
Q2892-10	3-FLOOR-SOUTH-E	14	1.18	10.34	11.52	10.65	91.6	
Q2892-11	FRONT-1-FLOOR-F	15	1.16	10.21	11.37	10.42	90.7	
Q2892-12	FRONT-1-FLOOR-F	16	1.14	10.64	11.78	10.52	88.2	
Q2893-01	LOD-MDL-SOIL-01-QT3-20 25	36	1.00	1.00	2.00	2.00	100.0	
Q2893-02	LOQ-SOIL-02-QT3-2025	37	1.00	1.00	2.00	2.00	100.0	
Q2893-03	MDL-SOIL-03-QT3-2025	38	1.00	1.00	2.00	2.00	100.0	
Q2893-04	LOD-MDL-SOIL-04-QT3-20 25	39	1.00	1.00	2.00	2.00	100.0	
Q2893-05	LOQ-SOIL-05-QT3-2025	40	1.00	1.00	2.00	2.00	100.0	
Q2893-06	MDL-SOIL-06-QT3-2025	41	1.00	1.00	2.00	2.00	100.0	
Q2893-16	LLOQ-SOIL-QT3-2025	42	1.00	1.00	2.00	2.00	100.0	
Q2894-01	1A1B1C	17	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2894-02	2A2B2C	18	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2894-03	3A3B3C	19	1.00	1.00	2.00	2.00	100.0	Caulk sample

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/18/2025
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: 08/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136862

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
Q2894-04	4A4B4C	20	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2894-05	5A5B5C	21	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2895-01	1104	22	1.00	1.00	2.00	2.00	100.0	oil sample
Q2895-03	1204	23	1.00	1.00	2.00	2.00	100.0	debris
Q2896-01	1	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-02	2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-03	3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-04	4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-05	5	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-06	6	29	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-07	7	30	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-08	8	31	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-09	9	32	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2896-10	10	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2897-01	HD-02-08182025	34	1.15	10.84	11.99	10.64	87.5	
Q2897-02	HD-02-08182025-E2	35	1.17	10.35	11.52	10.29	88.1	
Q2899-03	MDL-SOIL-QT3-2025-05	43	1.00	1.00	2.00	2.00	100.0	
Q2899-04	MDL-SOIL-QT3-2025-06	44	1.00	1.00	2.00	2.00	100.0	
Q2899-05	MDL-MED-SOIL-QT3-2025-05	45	1.00	1.00	2.00	2.00	100.0	
Q2899-06	MDL-MED-SOIL-QT3-2025-06	46	1.00	1.00	2.00	2.00	100.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

17136862

WorkList Name : %1-081825 WorkList ID : 191322 Department : Wet-Chemistry Date : 08-18-2025 08:19:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2891-01	BARRICADE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2891-02	WALL-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2891-03	WALL-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2891-04	WALL-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2892-01	1ST-FLOOR-NORTH-EAST-CC	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-02	1ST-FLOOR-NORTH-EAST-CC	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-03	1ST-FLOOR-DRILL-B-BACK	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-04	1ST-FLOOR-DRILL-B-BACK	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-05	BACK-1-FLOOR-CENTER-MID	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-06	BACK-1-FLOOR-CENTER-MID	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-07	3-FLOOR-NORTH-D	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-08	3-FLOOR-NORTH-D	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-09	3-FLOOR-SOUTH-E	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-10	3-FLOOR-SOUTH-E	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-11	FRONT-1-FLOOR-F	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2892-12	FRONT-1-FLOOR-F	Solid	Percent Solids	Cool 4 deg C	BAPS03	D31	08/15/2025	Chemtech -SO
Q2893-01	LOD-MDL-SOIL-01-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2893-02	LOQ-SOIL-02-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2893-03	MDL-SOIL-03-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2893-04	LOD-MDL-SOIL-04-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2893-05	LOQ-SOIL-05-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO

Date/Time 08/18/25 13:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]
 Date/Time 08/18/25 17:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136862

WorkList Name : %1-081825 WorkList ID : 191322 Department : Wet-Chemistry Date : 08-18-2025 08:19:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2893-06	MDL-SOIL-06-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2893-16	LLOQ-SOIL-QT3-2025	Solid	Percent Solids	NONE	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2894-01	1A1B1C	Solid	Percent Solids	Cool 4 deg C	ATCE02	J32	08/07/2025	Chemtech -SO
Q2894-02	2A2B2C	Solid	Percent Solids	Cool 4 deg C	ATCE02	J32	08/07/2025	Chemtech -SO
Q2894-03	3A3B3C	Solid	Percent Solids	Cool 4 deg C	ATCE02	J32	08/07/2025	Chemtech -SO
Q2894-04	4A4B4C	Solid	Percent Solids	Cool 4 deg C	ATCE02	J32	08/07/2025	Chemtech -SO
Q2894-05	5A5B5C	Solid	Percent Solids	Cool 4 deg C	ATCE02	J32	08/07/2025	Chemtech -SO
Q2895-01	1104	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2895-03	1204	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-05	5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-06	6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-07	7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-08	8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-09	9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2896-10	10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/18/2025	Chemtech -SO
Q2897-01	HD-02-08182025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/18/2025	Chemtech -SO
Q2897-02	HD-02-08182025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/18/2025	Chemtech -SO

Date/Time 08/18/25 15:00 Date/Time 08/18/25 17:10
 Raw Sample Received by: SB WOC Raw Sample Received by: SA
 Raw Sample Relinquished by: SA Raw Sample Relinquished by: SB WOC

WORKLIST(Hardcopy Internal Chain)

873682

WorkList Name : %1-081825

WorkList ID : 191322

Department : Wet-Chemistry

Date : 08-18-2025 08:19:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2899-03	MDL-SOIL-QT3-2025-05	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2899-04	MDL-SOIL-QT3-2025-06	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2899-05	MDL-MED-SOIL-QT3-2025-05	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	08/18/2025	Chemtech -SO
Q2899-06	MDL-MED-SOIL-QT3-2025-06	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	08/18/2025	Chemtech -SO

Date/Time 08/18/25 13:00

Raw Sample Received by: Sh wcy

Raw Sample Relinquished by: Sh wcy

Date/Time 08-18-25 17:10

Raw Sample Received by: Sh wcy

Raw Sample Relinquished by: Sh wcy

SOP ID:	MNJDEP-EPH-8		
Clean Up SOP #:	N/A	Extraction Start Date :	08/21/2025
Matrix :	Solid	Extraction Start Time :	11:00
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Extraction End Date :	08/22/2025
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	10:25
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24767
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24801
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	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

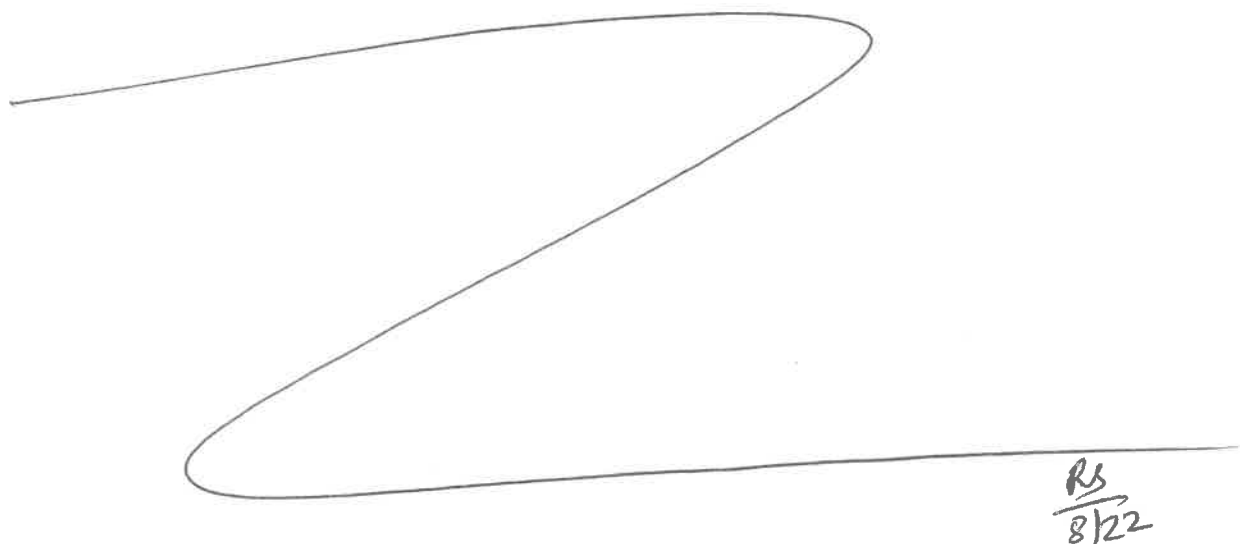
KD Bath ID:	N/A	Envap ID:	NE VAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext Lab)	Y.P. PERTIPEB
10:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 08/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/ Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169364BL	PB169364BL	EPH	30.01	N/A	ritesh	Evelyn	2			U1-1
PB169364BS	PB169364BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB169364BSD	PB169364BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q2832-01	TG-S01	EPH	30.05	N/A	ritesh	Evelyn	2	F		4
Q2832-03	TG-S02	EPH	30.08	N/A	ritesh	Evelyn	2	F		5
Q2832-05	TG-S03	EPH	30.04	N/A	ritesh	Evelyn	2	F		6
Q2832-07	TG-S04	EPH	30.07	N/A	ritesh	Evelyn	2	F		U2-1
Q2832-09	TG-S05	EPH	30.10	N/A	ritesh	Evelyn	2	F		2
Q2892-01	1-FLOOR-NORTH-EAST-CORNER-BACK-A	EPH	30.03	N/A	ritesh	Evelyn	2	E		3
Q2892-03	1-FLOOR-DRILL-B-BACK	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q2892-05	BACK-1-FLOOR-CENTER-MIDDLE-C	EPH	30.09	N/A	ritesh	Evelyn	2	E		5
Q2892-05DUP	BACK-1-FLOOR-CENTER-MIDDLE-CDUP	EPH	30.07	N/A	ritesh	Evelyn	2	E		6
Q2892-05MS	BACK-1-FLOOR-CENTER-MIDDLE-CMS	EPH	30.04	N/A	ritesh	Evelyn	2	E		U3-1
Q2892-05MSD	BACK-1-FLOOR-CENTER-MIDDLE-CMSD	EPH	30.06	N/A	ritesh	Evelyn	2	E		2
Q2892-07	3-FLOOR-NORTH-D	EPH	30.05	N/A	ritesh	Evelyn	2	E		3
Q2892-09	3-FLOOR-SOUTH-E	EPH	30.08	N/A	ritesh	Evelyn	2	E		4
Q2892-11	FRONT-1-FLOOR-F	EPH	30.10	N/A	ritesh	Evelyn	2	E		5



* Extracts relinquished on the same date as received.

169364
11:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2892E WorkList ID : 191438 Department : Extraction Date : 08-21-2025 10:16:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2832-01	TG-S01	Solid	EPH	Cool 4 deg C	PORT06	J21	08/11/2025	NJEPH
Q2832-03	TG-S02	Solid	EPH	Cool 4 deg C	PORT06	J21	08/11/2025	NJEPH
Q2832-05	TG-S03	Solid	EPH	Cool 4 deg C	PORT06	J21	08/11/2025	NJEPH
Q2832-07	TG-S04	Solid	EPH	Cool 4 deg C	PORT06	J21	08/11/2025	NJEPH
Q2832-09	TG-S05	Solid	EPH	Cool 4 deg C	PORT06	J21	08/12/2025	NJEPH
Q2892-01	1-FLOOR-NORTH-EAST-CORN	Solid	EPH	Cool 4 deg C	BAPS03	D31	08/15/2025	NJEPH
Q2892-03	1-FLOOR-DRILL-B-BACK	Solid	EPH	Cool 4 deg C	BAPS03	D31	08/15/2025	NJEPH
Q2892-05	BACK-1-FLOOR-CENTER-MID	Solid	EPH	Cool 4 deg C	BAPS03	D31	08/15/2025	NJEPH
Q2892-07	3-FLOOR-NORTH-D	Solid	EPH	Cool 4 deg C	BAPS03	D31	08/15/2025	NJEPH
Q2892-09	3-FLOOR-SOUTH-E	Solid	EPH	Cool 4 deg C	BAPS03	D31	08/15/2025	NJEPH
Q2892-11	FRONT-1-FLOOR-F	Solid	EPH	Cool 4 deg C	BAPS03	D31	08/15/2025	NJEPH

Date/Time 08/21/25 10:55
Raw Sample Received by: RJ Cxt-1001
Raw Sample Relinquished by: RJ Cxt-1001

Date/Time 08/21/25 11:25
Raw Sample Received by: RJ Cxt-1001
Raw Sample Relinquished by: RJ Cxt-1001

Prep Standard - Chemical Standard Summary

Order ID : Q2892

Test : EPH

Prepbatch ID : PB169364,

Sequence ID/Qc Batch ID: FC082225AL,FC082525AL,FD082225AR,

Standard ID :

EP2626,EP2632,PP24500,PP24501,PP24502,PP24503,PP24504,PP24505,PP24506,PP24652,PP24767,PP24768,PP
24769,PP24770,PP24771,PP24772,PP24773,PP24774,PP24801,

Chemical ID :

E3875,E3926,E3940,E3949,E3951,E3954,E3956,E3962,P10758,P11140,P12364,P13280,P13281,P13609,P13610,P13
611,P13612,P13620,P13673,P13674,P13682,P13683,P13684,P13686,P13690,P13954,P13955,P14005,P14006,P1400
7,P14009,P14010,P14011,P14012,P14013,P14015,P14016,P14027,P14054,P14055,P14056,P14057,P14084,P14085,
P14086,P14087,P14088,P14089,P14090,P14091,P14092,W3234,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
782	100 PPM Aromatic HC Working STD	PP24500	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.25000ml of P13673 + 0.62500ml of P13954 + 1.25000ml of P10758 + 22.87500ml of E3926 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2945	100 PPM Aromatic HC Working STD (Absolute)	PP24501	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.25000ml of P13674 + 0.62500ml of P13955 + 1.25000ml of P11140 + 22.87500ml of E3926 = Final Quantity: 25.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
787	50 PPM Aromatic HC STD	PP24502	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.50000ml of E3926 + 0.50000ml of PP24500 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
788	20 PPM Aromatic HC STD	PP24503	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.80000ml of E3926 + 0.20000ml of PP24500 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
789	10 PPM Aromatic HC STD	PP24504	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.90000ml of E3926 + 0.10000ml of PP24500 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
790	5 PPM Aromatic HC STD	PP24505	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.90000ml of E3926 + 0.10000ml of PP24502 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2946	20 PPM Aromatic HC STD ICV (Absolute)	PP24506	05/01/2025	10/08/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 0.80000ml of E3926 + 0.20000ml of PP24501 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1339	100 PPM NJEPH Surrogate Spike	PP24652	06/17/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.25000ml of P13609 + 1.25000ml of P13610 + 1.25000ml of P13611 + 1.25000ml of P13612 + 1.25000ml of P13682 +
1.25000ml of P13683 + 1.25000ml of P13684 + 1.25000ml of P13686 + 490.00000ml of E3940 = Final Quantity: 500.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1330	100 PPM NJEPH Spike Solution	PP24767	07/29/2025	01/29/2026	Abdul Mirza	None	None	Yogesh Patel 08/19/2025
<u>FROM</u> 5.00000ml of P14005 + 5.00000ml of P14006 + 5.00000ml of P14007 + 5.00000ml of P14009 + 5.00000ml of P14010 + 5.00000ml of P14011 + 5.00000ml of P14012 + 5.00000ml of P14013 + 5.00000ml of P14015 + 5.00000ml of P14016 + 5.00000ml of P14027 + 5.00000ml of P14084 + 5.00000ml of P14085 + 5.00000ml of P14086 + 5.00000ml of P14087 + 5.00000ml of P14088 + 5.00000ml of P14089 + 5.00000ml of P14090 + 5.00000ml of P14091 + 5.00000ml of P14092 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
781	100 PPM Aliphatic HC Working STD (Restek)	PP24768	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025
<u>FROM</u> 0.25000ml of P13620 + 0.25000ml of P13690 + 1.25000ml of P12364 + 23.25000ml of E3956 = Final Quantity: 25.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2900	100 PPM Aliphatic HC STD (Absolute)	PP24769	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025
<u>FROM</u> 0.22000ml of P13690 + 0.25000ml of P13620 + 1.25000ml of P13280 + 1.25000ml of P13281 + 22.00000ml of E3956 = Final Quantity: 25.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
783	50 PPM Aliphatic HC STD	PP24770	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025
<u>FROM</u> 0.50000ml of W3234 + 0.50000ml of PP24768 = Final Quantity: 1.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
784	20 PPM Aliphatic HC STD	PP24771	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.80000ml of W3234 + 0.20000ml of PP24768 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
785	10 PPM Aliphatic HC STD	PP24772	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24768 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
786	5 PPM Aliphatic HC STD	PP24773	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24770 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2901	20 PPM Aliphatic HC STD ICV (Absolute)	PP24774	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.80000ml of W3234 + 0.20000ml of PP24769 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1331	100 PPM NJEPH Fractionating Surrogate	PP24801	08/13/2025	02/13/2026	Abdul Mirza	None	None	Yogesh Patel 08/19/2025
<u>FROM</u> 1.25000ml of P14054 + 1.25000ml of P14055 + 1.25000ml of P14056 + 1.25000ml of P14057 + 195.00000ml of E3962 = Final Quantity: 200.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30541 / Custom NJEPH Aromatics Calibration Standard	A0172403	11/01/2025	05/01/2025 / yogesh	06/17/2021 / dhaval	P10758

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95709 / NJ EPH Aromatic Hydrocarbons, 2000 PPM	060420	11/01/2025	05/01/2025 / yogesh	10/29/2021 / Abdul	P11140

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30540 / Custom NJEPH Aliphatics Calibration Standard	A0190424	02/01/2026	08/01/2025 / yogesh	03/16/2023 / Yogesh	P12364

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95899 / NJ EPH Aliphatic n-Hydrocarbons-Revised, 1000 PPM	040524	02/01/2026	08/01/2025 / yogesh	04/11/2024 / yogesh	P13280

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95899 / NJ EPH Aliphatic n-Hydrocarbons-Revised, 1000 PPM	040524	02/01/2026	08/01/2025 / yogesh	04/11/2024 / yogesh	P13281

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13609

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13612

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	02/01/2026	08/01/2025 / yogesh	10/16/2024 / yogesh	P13620

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	11/01/2025	05/01/2025 / yogesh	10/16/2024 / yogesh	P13673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	11/01/2025	05/01/2025 / yogesh	10/16/2024 / yogesh	P13674

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13682

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13683

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13684

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13686

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	02/01/2026	08/01/2025 / yogesh	10/16/2024 / yogesh	P13690

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0219106	11/01/2025	05/01/2025 / yogesh	03/10/2025 / yogesh	P13954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0221895	11/01/2025	05/01/2025 / yogesh	03/10/2025 / yogesh	P13955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14005

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14007

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14011

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14013

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14015

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14016

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14027

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0224278	02/13/2026	08/13/2025 / Abdul	06/09/2025 / anahy	P14054

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0224278	02/13/2026	08/13/2025 / Abdul	06/09/2025 / anahy	P14055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0224278	02/13/2026	08/13/2025 / Abdul	06/09/2025 / anahy	P14056

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0224278	02/13/2026	08/13/2025 / Abdul	06/09/2025 / anahy	P14057

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14084

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14085

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14088

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14089

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14091

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

DD
06/17/2021

Catalog No. : 30541 **Lot No.:** A0172403

Description : NJEPH Aromatics Calibration Standard

NJEPH Aromatics Calibration Standard 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P10758
TO
P10762
- (S)

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene CAS # 526-73-8 (Lot 8776.10-36) Purity 98%	2,010.0 µg/mL	+/- 11.7957 µg/mL Gravimetric +/- 90.5449 µg/mL Unstressed +/- 100.4678 µg/mL Stressed
2	Naphthalene CAS # 91-20-3 (Lot MKBZ8680V) Purity 99%	2,006.0 µg/mL	+/- 11.7723 µg/mL Gravimetric +/- 90.3656 µg/mL Unstressed +/- 100.2689 µg/mL Stressed
3	2-Methylnaphthalene CAS # 91-57-6 (Lot STBG8884) Purity 99%	2,008.0 µg/mL	+/- 11.7841 µg/mL Gravimetric +/- 90.4557 µg/mL Unstressed +/- 100.3688 µg/mL Stressed
4	Acenaphthylene CAS # 208-96-8 (Lot N19U) Purity 95%	2,002.6 µg/mL	+/- 11.7524 µg/mL Gravimetric +/- 90.2125 µg/mL Unstressed +/- 100.0989 µg/mL Stressed
5	Acenaphthene CAS # 83-32-9 (Lot MKCN0610) Purity 99%	2,000.0 µg/mL	+/- 11.7371 µg/mL Gravimetric +/- 90.0953 µg/mL Unstressed +/- 99.9689 µg/mL Stressed
6	Fluorene CAS # 86-73-7 (Lot 10217947) Purity 99%	2,016.0 µg/mL	+/- 11.8310 µg/mL Gravimetric +/- 90.8161 µg/mL Unstressed +/- 100.7687 µg/mL Stressed
7	Phenanthrene CAS # 85-01-8 (Lot MKCL7390) Purity 99%	2,012.0 µg/mL	+/- 11.8075 µg/mL Gravimetric +/- 90.6359 µg/mL Unstressed +/- 100.5688 µg/mL Stressed

8	Anthracene			2,002.0	µg/mL	+/-	11.7489	µg/mL	Gravimetric
	CAS #	120-12-7	(Lot MKCM0015)			+/-	90.1854	µg/mL	Unstressed
	Purity	99%				+/-	100.0689	µg/mL	Stressed
9	Fluoranthene			2,003.0	µg/mL	+/-	11.7547	µg/mL	Gravimetric
	CAS #	206-44-0	(Lot MKCF7378)			+/-	90.2305	µg/mL	Unstressed
	Purity	99%				+/-	100.1189	µg/mL	Stressed
10	Pyrene			2,011.0	µg/mL	+/-	11.8017	µg/mL	Gravimetric
	CAS #	129-00-0	(Lot BCCB9880)			+/-	90.5909	µg/mL	Unstressed
	Purity	99%				+/-	100.5188	µg/mL	Stressed
11	Benz(a)anthracene			2,011.0	µg/mL	+/-	11.8014	µg/mL	Gravimetric
	CAS #	56-55-3	(Lot P0022018-0505)			+/-	90.5890	µg/mL	Unstressed
	Purity	98%				+/-	100.5168	µg/mL	Stressed
12	Chrysene			2,000.0	µg/mL	+/-	11.7371	µg/mL	Gravimetric
	CAS #	218-01-9	(Lot STBJ8094)			+/-	90.0953	µg/mL	Unstressed
	Purity	99%				+/-	99.9689	µg/mL	Stressed
13	Benzo(b)fluoranthene			2,006.0	µg/mL	+/-	11.7721	µg/mL	Gravimetric
	CAS #	205-99-2	(Lot 012012B)			+/-	90.3638	µg/mL	Unstressed
	Purity	97%				+/-	100.2669	µg/mL	Stressed
14	Benzo(k)fluoranthene			2,010.0	µg/mL	+/-	11.7958	µg/mL	Gravimetric
	CAS #	207-08-9	(Lot 012019K)			+/-	90.5458	µg/mL	Unstressed
	Purity	99%				+/-	100.4688	µg/mL	Stressed
15	Benzo(a)pyrene			2,004.0	µg/mL	+/-	11.7606	µg/mL	Gravimetric
	CAS #	50-32-8	(Lot RP210113)			+/-	90.2755	µg/mL	Unstressed
	Purity	99%				+/-	100.1689	µg/mL	Stressed
16	Indeno(1,2,3-cd)pyrene			2,010.0	µg/mL	+/-	11.7958	µg/mL	Gravimetric
	CAS #	193-39-5	(Lot 1-RAK-33-4)			+/-	90.5458	µg/mL	Unstressed
	Purity	99%				+/-	100.4688	µg/mL	Stressed
17	Dibenz(a,h)anthracene			2,017.0	µg/mL	+/-	11.8369	µg/mL	Gravimetric
	CAS #	53-70-3	(Lot ER032211-01)			+/-	90.8611	µg/mL	Unstressed
	Purity	99%				+/-	100.8187	µg/mL	Stressed
18	Benzo(g,h,i)perylene			2,003.0	µg/mL	+/-	11.7547	µg/mL	Gravimetric
	CAS #	191-24-2	(Lot 8GFYJ)			+/-	90.2305	µg/mL	Unstressed
	Purity	99%				+/-	100.1189	µg/mL	Stressed
Solvent:	Methylene chloride								
	CAS #	75-09-2							
	Purity	99%							

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

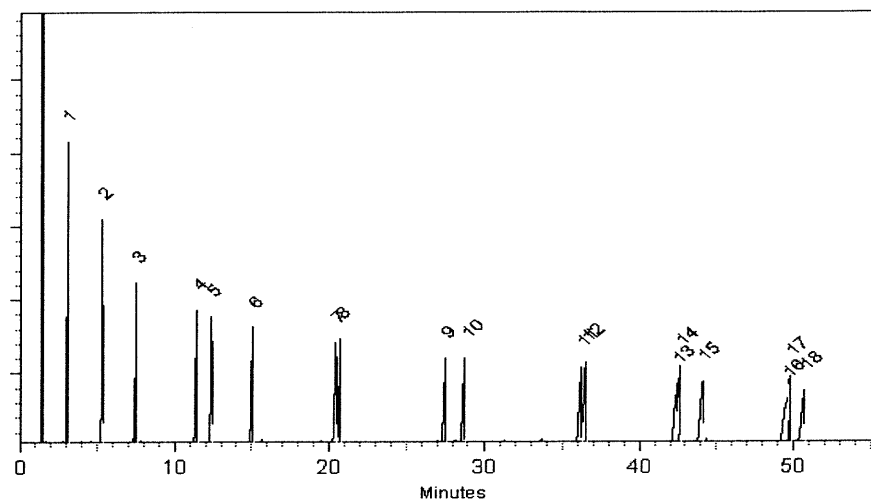
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

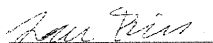
Inj. Temp:
250°C

Det. Temp:
330°C

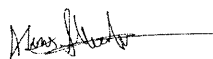
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Lane Kibe - Mix Technician

Date Mixed: 14-May-2021 Balance: B345965662


Alexis Shelow - Operations Tech I

Date Passed: 18-May-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 6/11/25

E3940

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Reed on 7/2/25

E3949

J. Croak

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 25B1862001

Manufactured Date: 2024-12-18

Expiration Date: 2026-03-19

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 95709
Lot Number: 060420
Description: NJ EPH Aromatic Hydrocarbons
18 components
Expiration Date: 060425
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 23060
Weight(s) shown below were combined and diluted to (mL): 500.0
Balance Uncertainty: 5E-05
Flask Uncertainty: 0.058

Solvent(s): Methylene chloride
Lot# 104923

Formulated By:	Benson Chan	060420
Reviewed By:	Pedro L. Renteria	060420
		DATE

Compound	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.)	LD50
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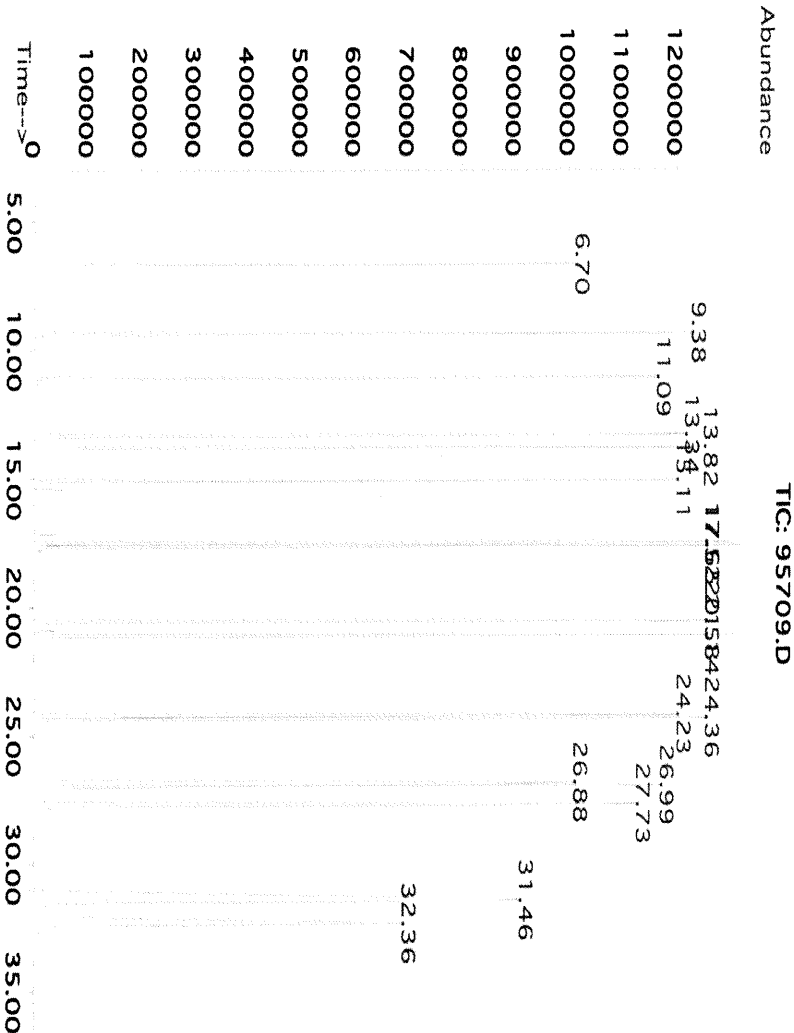
1. Acenaphthene	1	MKB14871V	2000	99	0.2	1.01003	1.01010	2000.1	8.1	83-32-9	N/A	ip-tral 600mg/kg
2. Acenaphthylene	3	012014	2000	98	0.2	1.02033	1.02053	2000.4	8.2	208-96-6	N/A	N/A
3. Anthracene	13	A0210580	2000	99	0.2	1.01003	1.01009	2000.1	8.1	120-12-7	0.2mg/m3 (8h)	ip-trus 430mg/kg
4. Benz(a)anthracene	28	JY2TD-JT	2000	98	0.2	1.02033	1.02051	2000.3	8.2	56-55-3	N/A	N/A
5. Benz(a)pyrene	30	012012	2000	99.5	0.2	1.00495	1.00511	2000.3	8.1	50-32-8	0.2mg/m3 (8h)	scu-tral 50mg/kg
6. Benz(b)fluoranthene	31	012012b	2000	99	0.2	1.01003	1.01012	2000.2	8.1	205-99-2	N/A	N/A
7. Benz(k)fluoranthene	33	012012k	2000	99	0.2	1.01003	1.01018	2000.3	8.1	207-08-9	N/A	N/A
8. Benz(g,h,i)perylene	32	012018	2000	99	0.2	1.01003	1.01019	2000.3	8.1	191-24-2	N/A	N/A
9. Chrysene	91	012015	2000	98	0.2	1.02033	1.02040	2000.1	8.2	218-01-9	0.2mg/m3	N/A
10. Dibenzo(a,h)anthracene	112	012011	2000	98	0.2	1.02033	1.02050	2000.3	8.2	53-70-3	0.2mg/m3	N/A
11. Fluoranthene	183	04221PV	2000	98	0.2	1.02033	1.02050	2000.3	8.2	206-44-0	N/A	of-tral 2000mg/kg
12. Fluorene	184	07211MV	2000	98	0.2	1.02033	1.02047	2000.3	8.2	86-73-7	N/A	ip-trus 2 g/kg
13. Indeno(1,2,3-cd)pyrene	202	012014	2000	99.9	0.2	1.00093	1.00119	2000.5	8.0	193-39-5	N/A	N/A
14. 2-Methylnaphthalene	214	MKB13783V	2000	97	0.2	1.03085	1.03090	2000.1	8.3	91-57-6	N/A	of-tral 1630mg/kg
15. Naphthalene	222	MKB28690V	2000	100	0.2	0.99993	0.99999	2000.1	8.0	91-20-3	10 ppm (50mg/m3/8h)	of-tral 490mg/kg
16. Phenanthrene	248	03410PV	2000	99	0.2	1.01003	1.01030	2000.5	8.1	85-01-8	0.2mg/m3/8h	of-trus 700mg/kg
17. Pyrene	259	010197	2000	98	0.2	1.02033	1.02042	2000.2	8.2	129-00-0	0.2mg/m3/8h	of-tral 2700mg/kg
18. 1,2,3-Trimethylbenzene	944	031097	2000	99	0.2	1.01003	1.01025	2000.4	8.1	526-73-8	N/A	N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.F., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P11137
P11141
11/10/21



Method GC8MSD-2.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



Peak No.	Name	MSD RT (min.)
1	1,2,3-Trimethylbenzene	6.70
2	Naphthalene	9.38
3	2-Methylnaphthalene	11.09
4	Acenaphthylene	13.34
5	Acenaphthene	13.82
6	Fluorene	15.11
7	Phenanthrene	17.52
8	Anthracene	17.65
9	Fluoranthene	20.58
10	Pyrene	21.14
11	Chrysene	24.23
12	Benzo(a)anthracene	24.36
13	Benzo(b)fluoranthene/Benzo(k)fluoranthene	26.98
14	Benzo(a)pyrene	27.73
15	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.46
16	Benzo(g,h,i)perylene	32.36



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30540 **Lot No.:** A0190424

Description : NJEPH Aliphatics Calibration Standard

Aliphatics Calibration Standard 2000µg/mL, Hexane/Carbon Disulfide (80:20), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P12361
↓
P12370 } Y.P.
031/6/23

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) CAS # 111-84-2 Purity 99% (Lot SHBN5361)	2,014.0 µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99% (Lot SHBN8619)	2,014.7 µg/mL	+/- 11.8232 +/- 50.0193 +/- 59.9689	µg/mL Gravimetric Unstressed Stressed
3	Naphthalene CAS # 91-20-3 Purity 99% (Lot MKCH0219)	2,015.3 µg/mL	+/- 11.8271 +/- 50.0358 +/- 59.9888	µg/mL Gravimetric Unstressed Stressed
4	n-Dodecane (C12) CAS # 112-40-3 Purity 99% (Lot SHBN7174)	2,008.0 µg/mL	+/- 11.7841 +/- 49.8538 +/- 59.7705	µg/mL Gravimetric Unstressed Stressed
5	2-Methylnaphthalene CAS # 91-57-6 Purity 96% (Lot STBK0259)	2,007.0 µg/mL	+/- 11.7784 +/- 49.8299 +/- 59.7419	µg/mL Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) CAS # 629-59-4 Purity 99% (Lot STBK2282)	2,016.7 µg/mL	+/- 11.8349 +/- 50.0689 +/- 60.0284	µg/mL Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) CAS # 544-76-3 Purity 98% (Lot SHBM4146)	2,014.9 µg/mL	+/- 11.8244 +/- 50.0246 +/- 59.9753	µg/mL Gravimetric Unstressed Stressed

8	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	(Lot VZKOJ)	2,004.7 µg/mL	+/-	11.7645	µg/mL	Gravimetric
				+/-	49.7710	µg/mL	Unstressed
				+/-	59.6712	µg/mL	Stressed
9	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	(Lot MKCF7888)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
10	n-Heneicosane (C21) CAS # 629-94-7 Purity 99%	(Lot MKCL3226)	2,000.7 µg/mL	+/-	11.7410	µg/mL	Gravimetric
				+/-	49.6717	µg/mL	Unstressed
				+/-	59.5522	µg/mL	Stressed
11	n-Docosane (C22) CAS # 629-97-0 Purity 99%	(Lot MKCL8918)	2,005.3 µg/mL	+/-	11.7684	µg/mL	Gravimetric
				+/-	49.7876	µg/mL	Unstressed
				+/-	59.6911	µg/mL	Stressed
12	n-Tetracosane (C24) CAS # 646-31-1 Purity 99%	(Lot MKCN2863)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
13	n-Hexacosane (C26) CAS # 630-01-3 Purity 99%	(Lot MKCD4540)	2,014.0 µg/mL	+/-	11.8193	µg/mL	Gravimetric
				+/-	50.0027	µg/mL	Unstressed
				+/-	59.9491	µg/mL	Stressed
14	n-Octacosane (C28) CAS # 630-02-4 Purity 99%	(Lot BCCG0084)	2,002.0 µg/mL	+/-	11.7489	µg/mL	Gravimetric
				+/-	49.7048	µg/mL	Unstressed
				+/-	59.5919	µg/mL	Stressed
15	n-Triacontane (C30) CAS # 638-68-6 Purity 97%	(Lot MKCQ9436)	2,011.1 µg/mL	+/-	11.8025	µg/mL	Gravimetric
				+/-	49.9316	µg/mL	Unstressed
				+/-	59.8637	µg/mL	Stressed
16	n-Dotriacontane (C32) CAS # 544-85-4 Purity 99%	(Lot BCBW0661)	2,012.0 µg/mL	+/-	11.8075	µg/mL	Gravimetric
				+/-	49.9531	µg/mL	Unstressed
				+/-	59.8895	µg/mL	Stressed
17	n-Tetratriacontane (C34) CAS # 14167-59-0 Purity 99%	(Lot OML4N)	2,006.7 µg/mL	+/-	11.7762	µg/mL	Gravimetric
				+/-	49.8207	µg/mL	Unstressed
				+/-	59.7308	µg/mL	Stressed
18	n-Hexatriacontane (C36) CAS # 630-06-8 Purity 99%	(Lot Z27H018)	2,017.3 µg/mL	+/-	11.8388	µg/mL	Gravimetric
				+/-	50.0855	µg/mL	Unstressed
				+/-	60.0483	µg/mL	Stressed
19	n-Octatriacontane (C38) CAS # 7194-85-6 Purity 96%	(Lot 0000145137)	2,017.3 µg/mL	+/-	11.8385	µg/mL	Gravimetric
				+/-	50.0842	µg/mL	Unstressed
				+/-	60.0467	µg/mL	Stressed
20	n-Tetracontane (C40) CAS # 4181-95-7 Purity 99%	(Lot BSBME)	2,008.7 µg/mL	+/-	11.7880	µg/mL	Gravimetric
				+/-	49.8703	µg/mL	Unstressed
				+/-	59.7903	µg/mL	Stressed
Solvent: Hexane/Carbon disulfide (80:20)							
	CAS # 110-54-3/75-15-0						
	Purity 99%						

Column:
30m x 0.25mm x 0.25µm
Pxx-5 (cat.#10223)

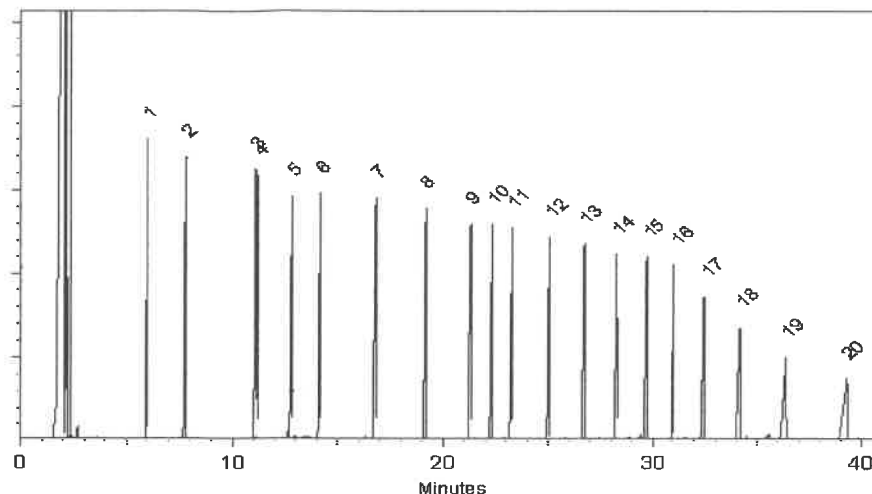
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022

Balance: 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

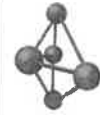
- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



CERTIFIED WEIGHT REPORT

Part Number: 95999

Lot Number: 040524

Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components

Expiration Date: 040534

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

CAUTION: Sonicate Before Use

Solvent(s):
Cyclohexane

Lot#
28930

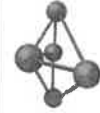
P13278
2
P13287
Y.P.
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

Compound		Part Number	(RM#)	Lot Number	DIL Factor	Initial Vol. (mL)	Initial Conc (µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)	
																CAS#	OSHA PEL (TWA)
1.	2-Methylnaphthalene	(0214)	MKBF3783V	NA	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m ³ 8H) orl-rat 1630mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	0.013	NA	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m ³ 8H) orl-rat 490mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000.9	1000	NA	0.013	NA	NA	NA	1000.2	4.2	124-18-5	ivn-mus 218mg/kg
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	0.013	NA	NA	NA	1000.0	4.2	112-40-3	N/A
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1002.1	1000	NA	0.013	NA	NA	NA	1001.3	4.2	629-59-4	ivn-mus 3494mg/kg
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.7	4.2	544-76-3	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	0.013	NA	NA	NA	1000.3	4.1	589-45-3	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	0.013	NA	NA	NA	1000.3	4.2	112-95-8	N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1002.4	1000	NA	0.013	NA	NA	NA	1001.6	4.2	629-94-7	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1001.9	1000	NA	0.013	NA	NA	NA	1001.2	4.2	629-97-0	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000.8	1000	NA	0.013	NA	NA	NA	1000.1	4.2	646-31-1	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1001.2	1000	NA	0.013	NA	NA	NA	1000.4	4.2	630-01-3	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.8	4.2	630-02-4	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.8	4.2	638-68-6	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.8	4.3	544-85-4	ivn-mus 100mg/kg
17.	n-Tetracontane	95708	120222	1.00	25.00	1000.4	1000.4	1000	NA	0.013	NA	NA	NA	999.7	4.2	14167-59-0	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1001.5	1000	NA	0.013	NA	NA	NA	1000.8	4.2	630-08-8	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000.3	1000	NA	0.013	NA	NA	NA	999.6	4.3	7184-86-6	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000.6	1000	NA	0.013	NA	NA	NA	999.9	4.3	4181-95-7	N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 95999

Lot Number: 040524

Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components

Expiration Date: 040534

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

CAUTION: Sonicate Before Use

Solvent(s):
Cyclohexane

Lot#
28930

P13278
Y.P.
P13287
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

Compound		Part Number	(RM#)	Lot Number	DIL Factor	Initial Vol. (mL)	Initial Conc (µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
																(Solvent Safety Info. On Attached pg.)	
																OSHA PEL (TWA)	
																CAS#	
1.	2-Methylnaphthalene	(0214)	MKBF3783V	NA	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m ³ 8H) orl-rat 1630mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	0.013	NA	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m ³ 8H) orl-rat 490mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000.9	1000	NA	0.013	NA	NA	NA	1000.2	4.2	124-18-5	ivn-mus 218mg/kg
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	0.013	NA	NA	NA	1000.0	4.2	112-40-3	N/A
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1002.1	1000	NA	0.013	NA	NA	NA	1001.3	4.2	629-59-4	ivn-mus 3494mg/kg
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.7	4.2	544-76-3	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	0.013	NA	NA	NA	1000.3	4.1	589-45-3	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	0.013	NA	NA	NA	1000.3	4.2	112-95-8	N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1002.4	1000	NA	0.013	NA	NA	NA	1001.6	4.2	629-94-7	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1001.9	1000	NA	0.013	NA	NA	NA	1001.2	4.2	629-97-0	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000.8	1000	NA	0.013	NA	NA	NA	1000.1	4.2	646-31-1	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1001.2	1000	NA	0.013	NA	NA	NA	1000.4	4.2	630-01-3	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.8	4.2	630-02-4	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.8	4.2	638-68-6	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	0.013	NA	NA	NA	999.8	4.3	544-85-4	ivn-mus 100mg/kg
17.	n-Tetraacontane	95708	120222	1.00	25.00	1000.4	1000.4	1000	NA	0.013	NA	NA	NA	999.7	4.2	14167-59-0	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1001.5	1000	NA	0.013	NA	NA	NA	1000.8	4.2	630-06-8	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000.3	1000	NA	0.013	NA	NA	NA	999.6	4.3	7184-86-6	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000.6	1000	NA	0.013	NA	NA	NA	999.9	4.3	4181-95-7	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

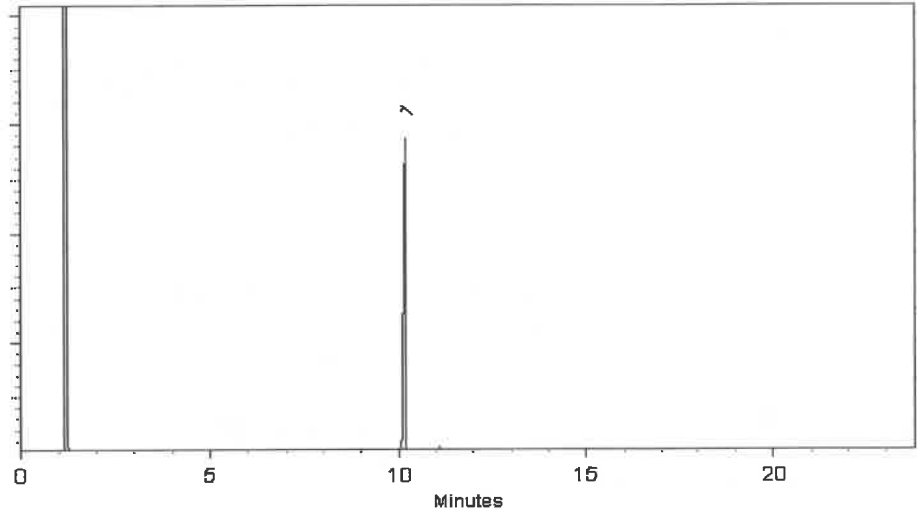
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

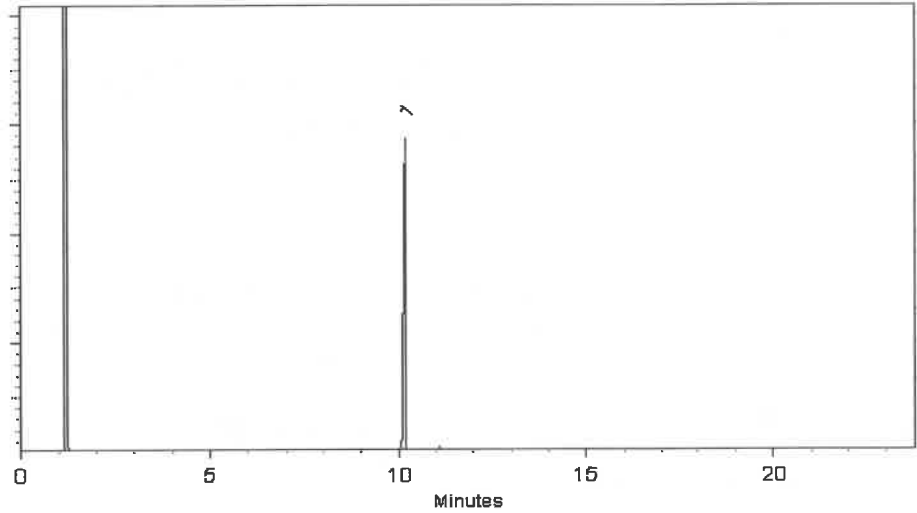
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

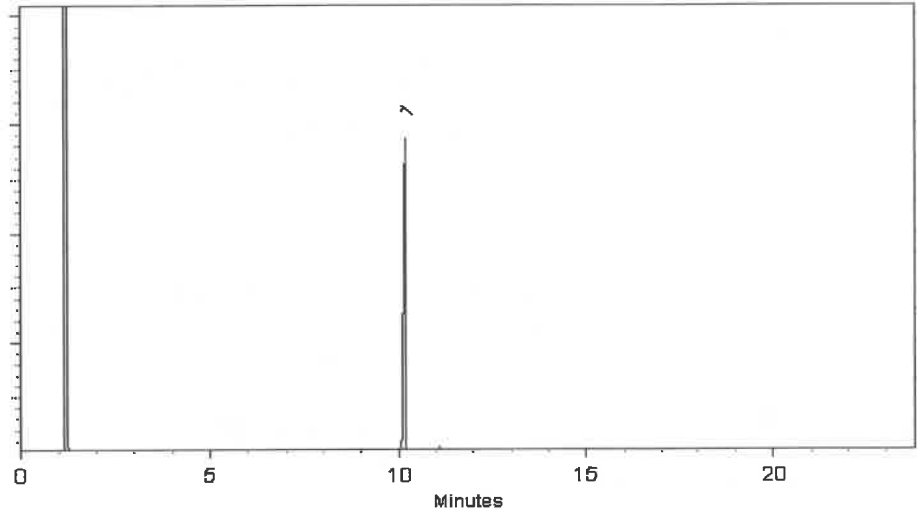
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

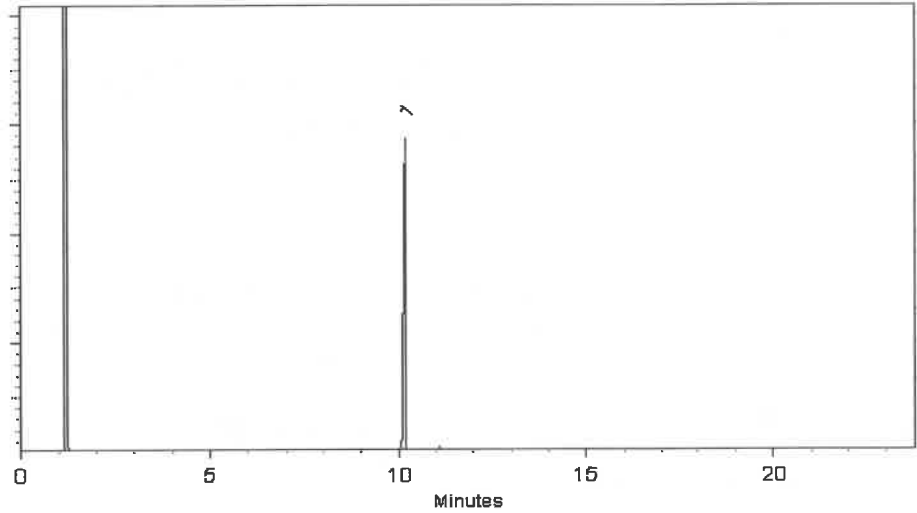
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

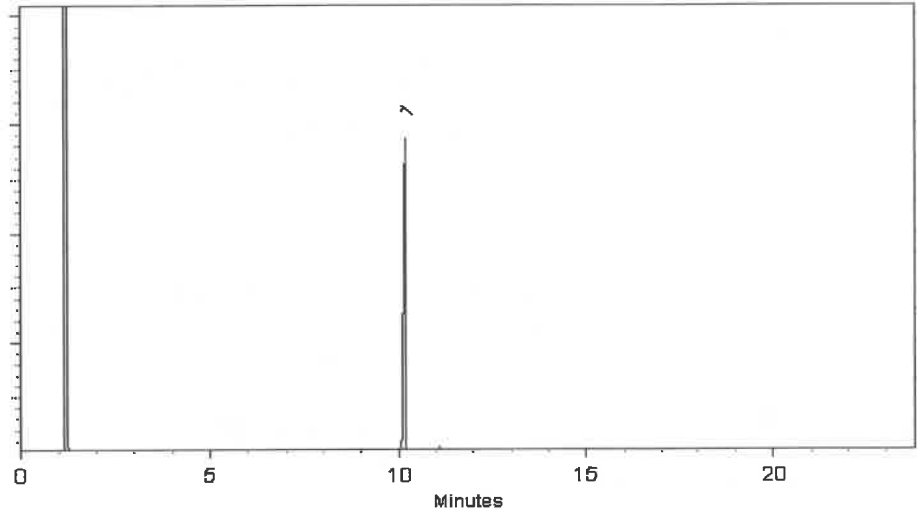
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

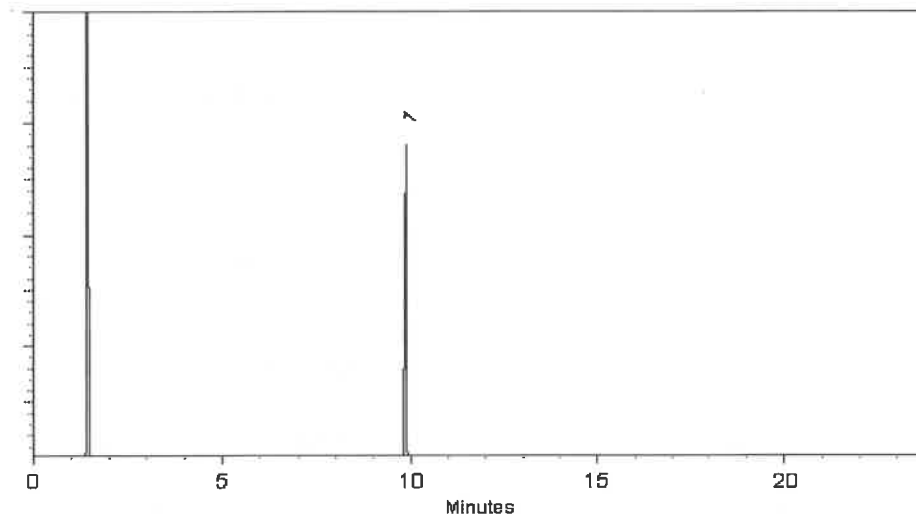
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

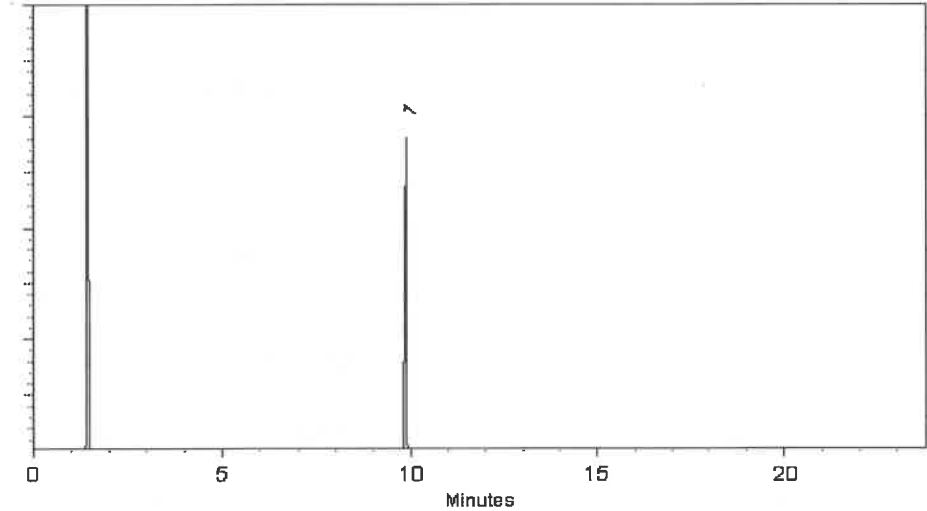
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

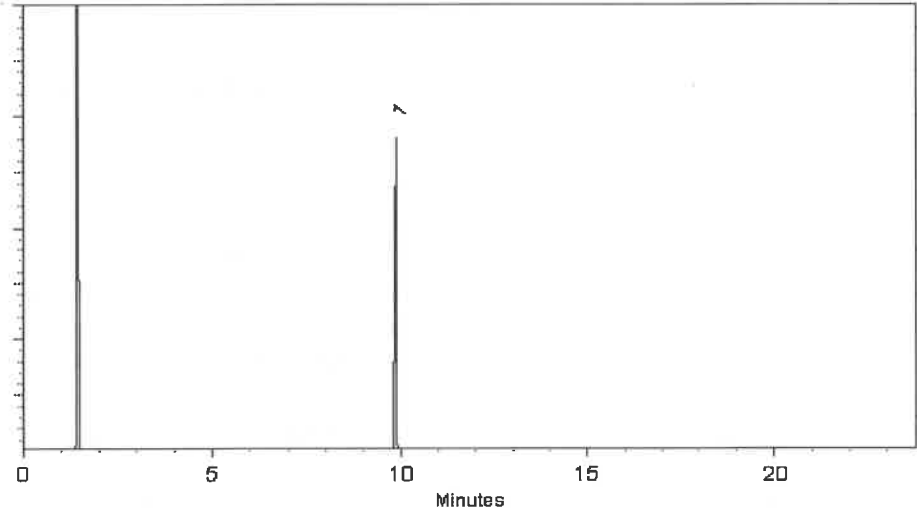
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

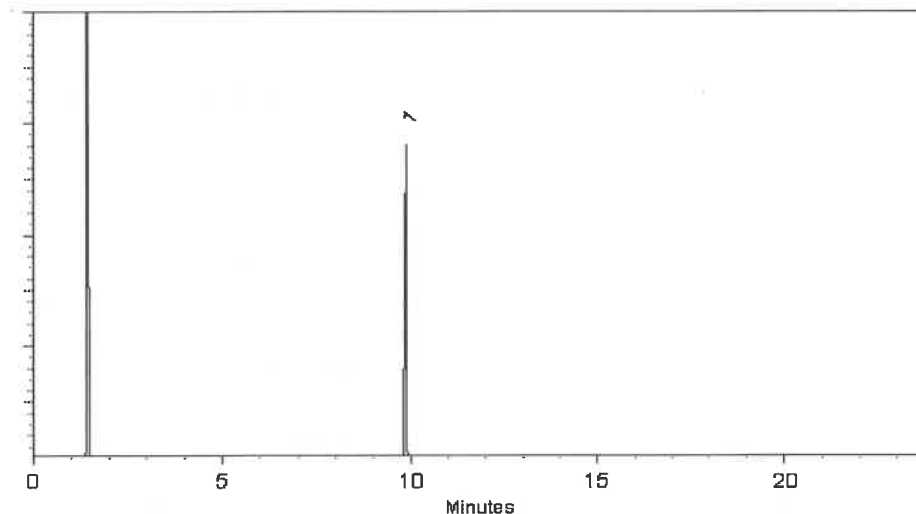
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

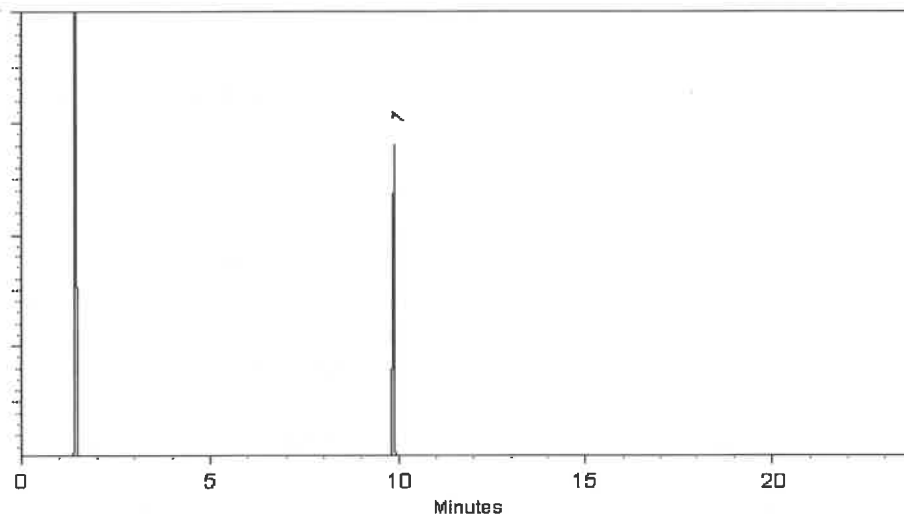
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

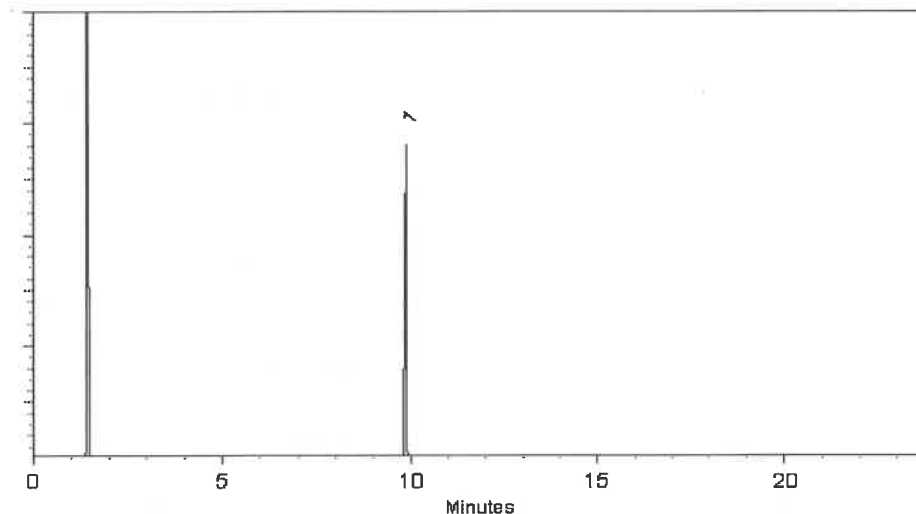
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

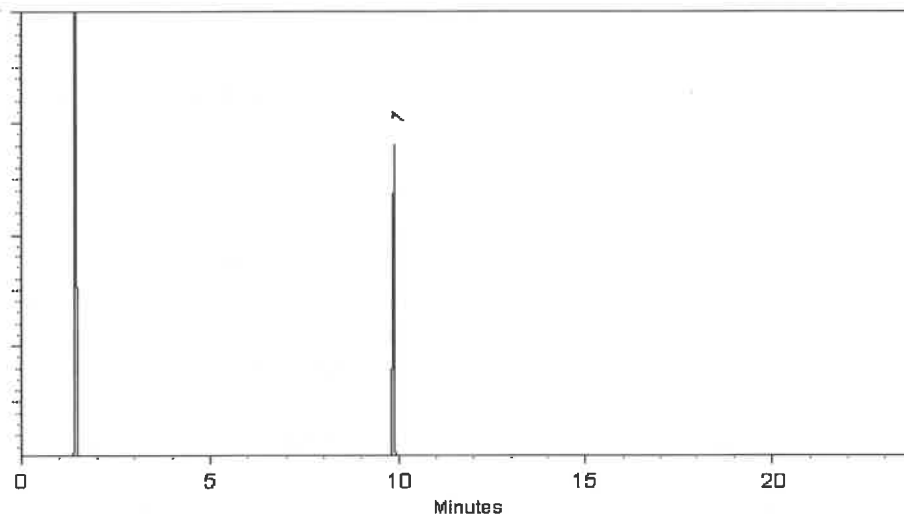
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0219106
Description : MA Fractionation Surrogate Spike Mix
MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2030 **Storage:** 10°C or colder
Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13947
L
P1395h

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,013.5 µg/mL	+/- 180.7988
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,011.0 µg/mL	+/- 180.6862

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

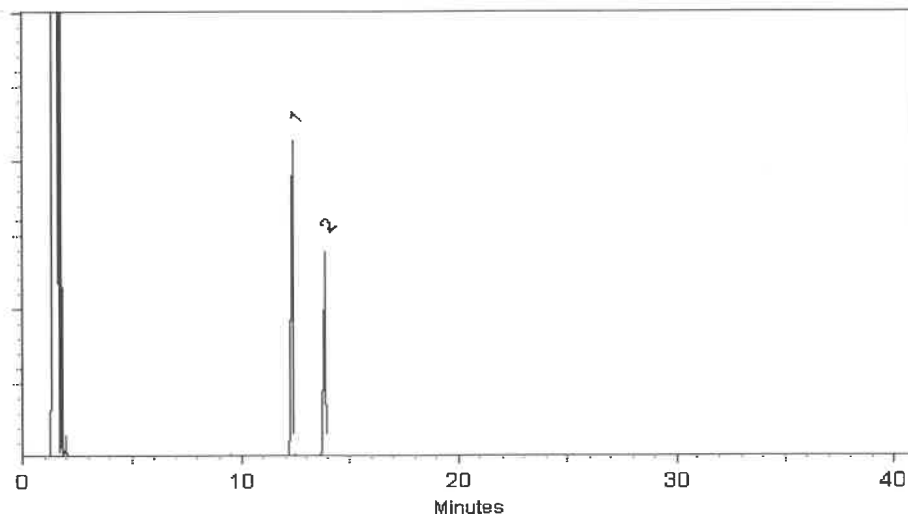
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 14-Nov-2024

Balance Serial # 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Nov-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0221895
Description : MA Fractionation Surrogate Spike Mix
MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2031 **Storage:** 10°C or colder
Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P1395
↓
P13966.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,032.5 µg/mL	+/- 181.6547
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,033.0 µg/mL	+/- 181.6772

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

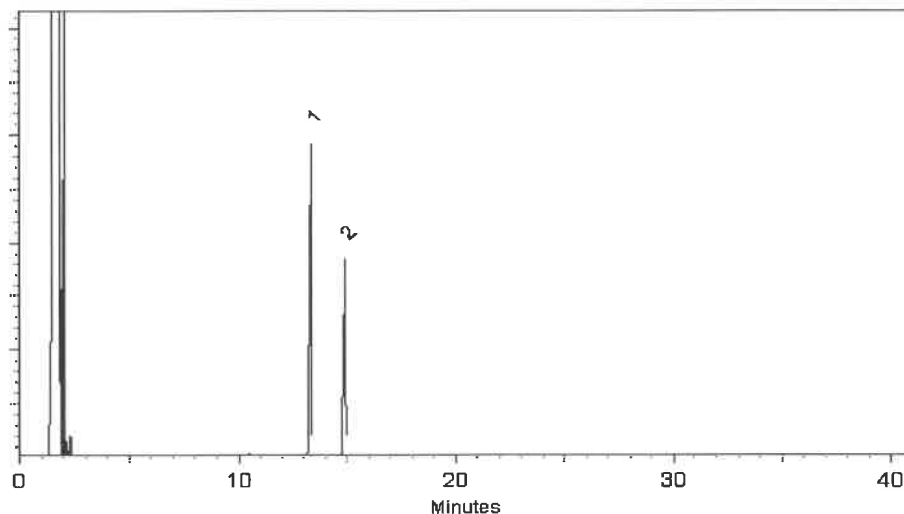
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 04-Feb-2025

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 12-Feb-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

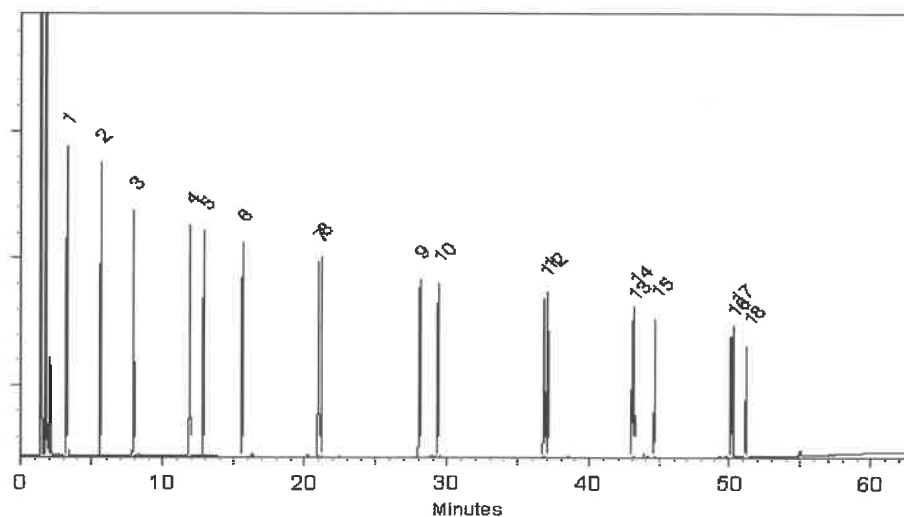
17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman
Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505

Brittany Federinko
Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 30543 **Lot No.:** A0225381

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NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
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5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
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13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

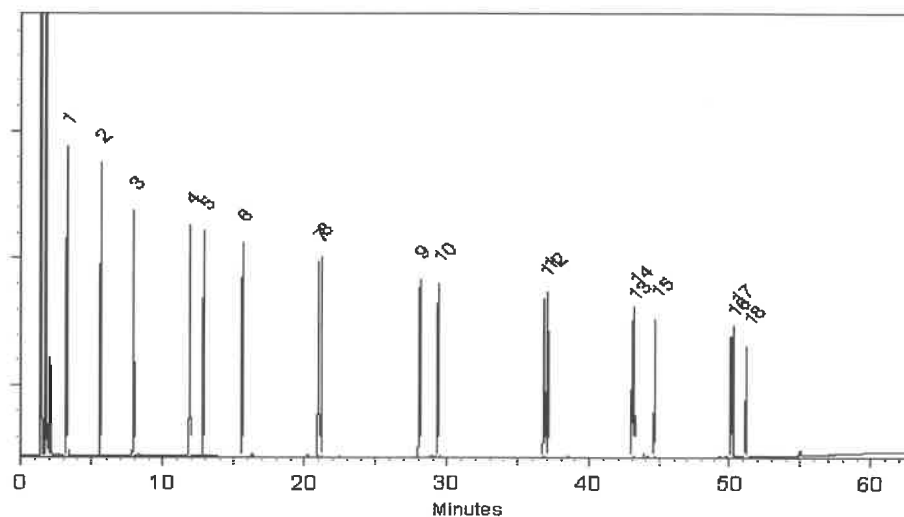
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

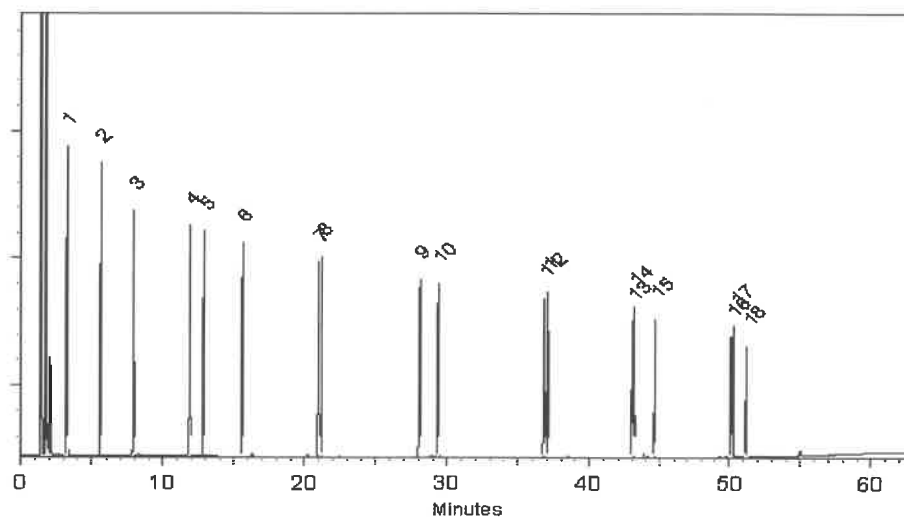
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Certificate of Analysis

chromatographic plus



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NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

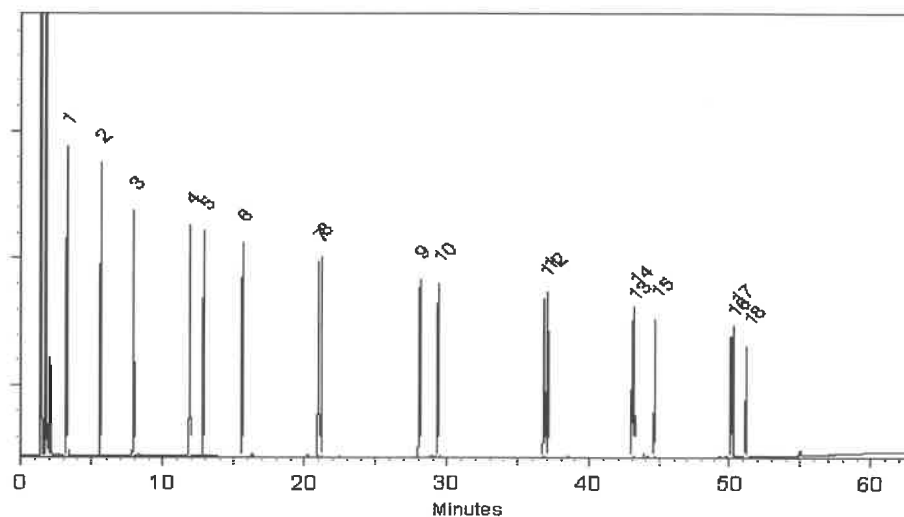
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

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P13998
↓
P14017

} RC/
5/21/25

CERTIFIED VALUES

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Purity 99%

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30m x 0.25mm x 0.25µm
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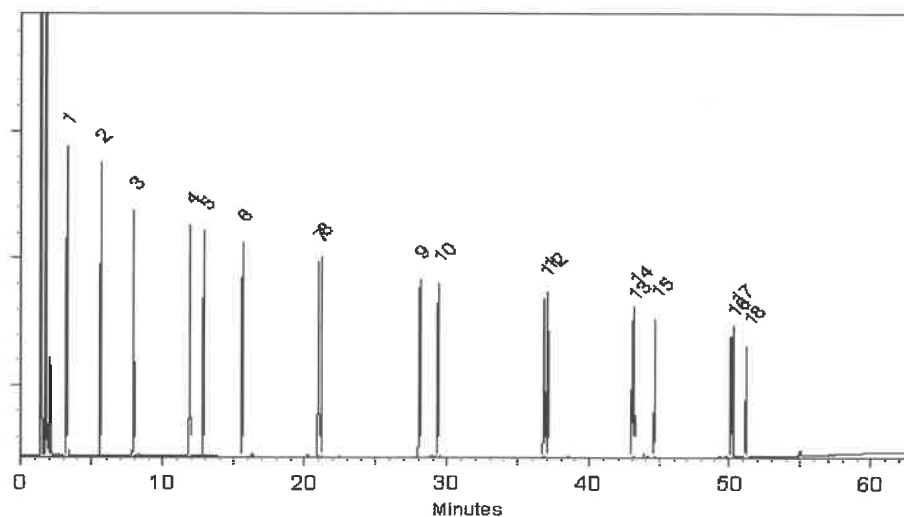
Inj. Temp:
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Det. Temp:
330°C

Det. Type:
FID

Split Vent:
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Inj. Vol
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Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

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P14017

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1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

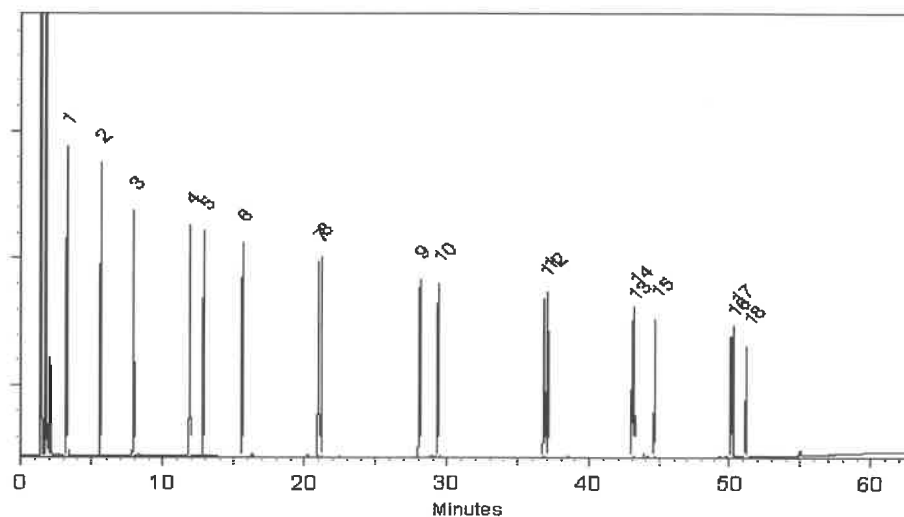
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017 } RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

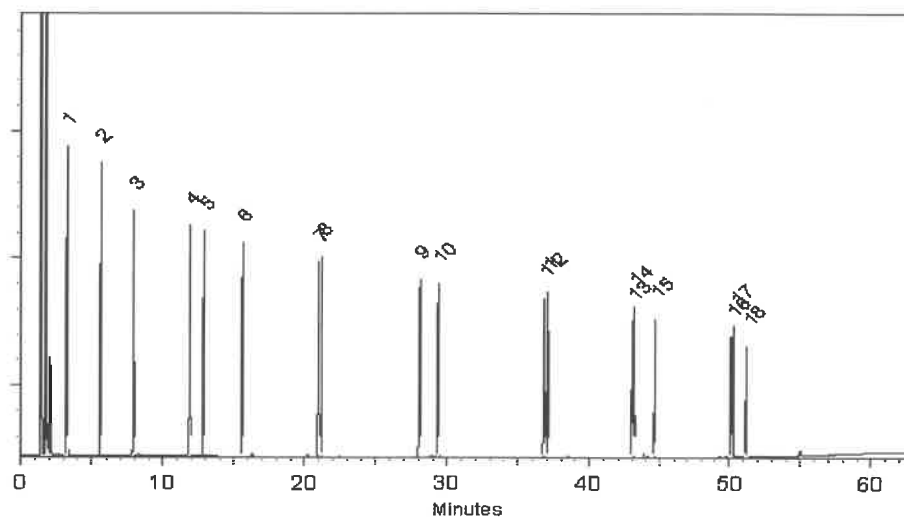
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman
Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505

Brittany Federinko
Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

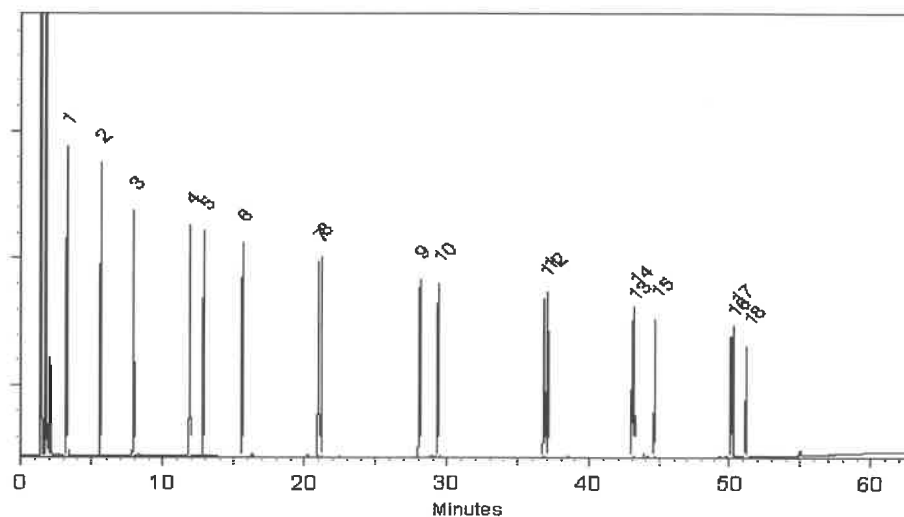
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017 } RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

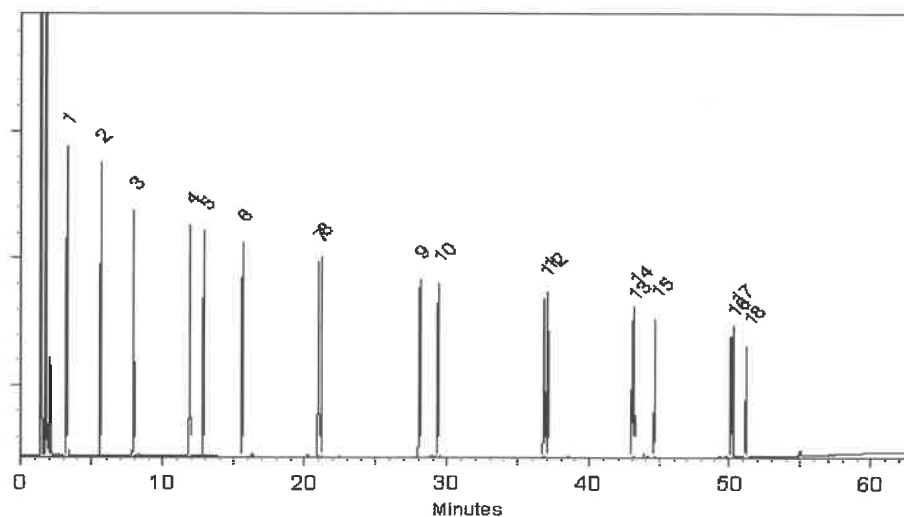
17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman
Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505

Brittany Federinko
Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

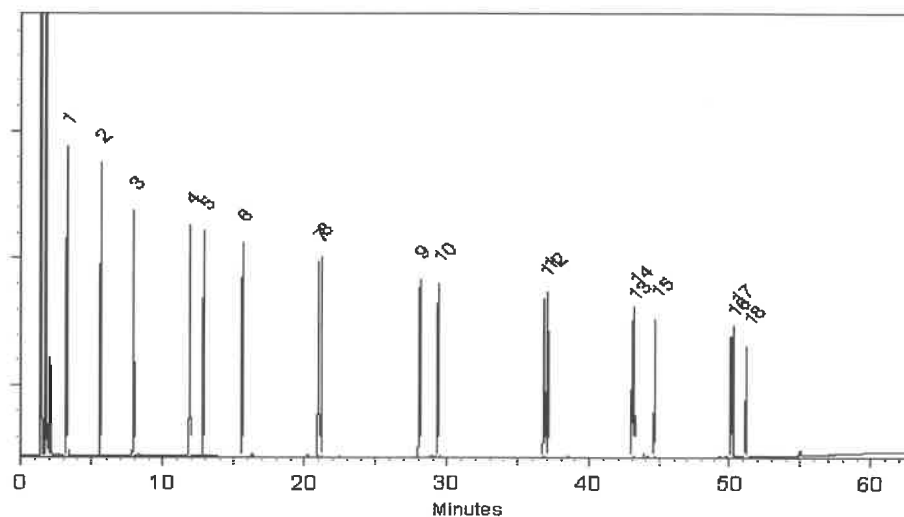
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14018 } RC/
↓
P14027 } 5/21/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	201.3 µg/mL	+/- 5.2012
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

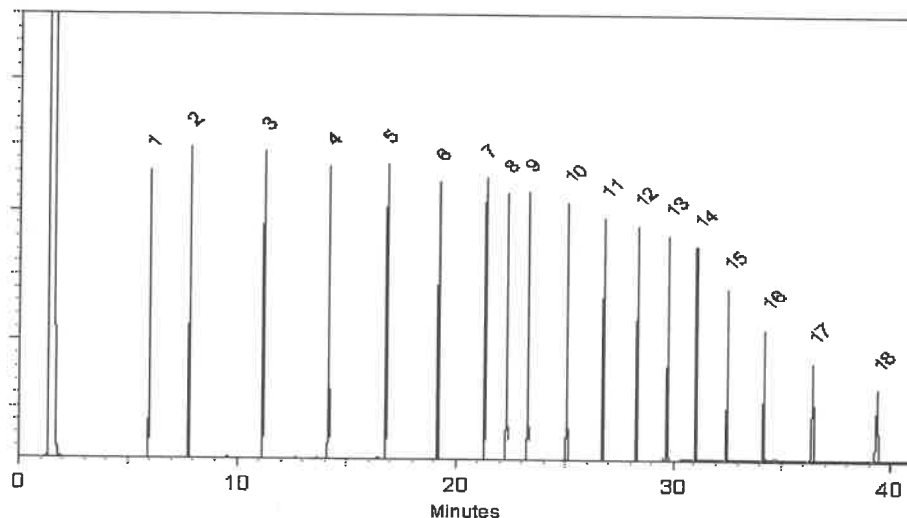
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024

Balance Serial # C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31480 **Lot No.:** A0224278

Description : MA Fractionation Surrogate Spike Mix
MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P14043 } AC
↓
P14058 } 6/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00021384	99%	4,018.5 µg/mL	+/- 181.0240
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,019.5 µg/mL	+/- 181.0691

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%



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Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
↓
714093 } 7/16/25

CERTIFIED VALUES

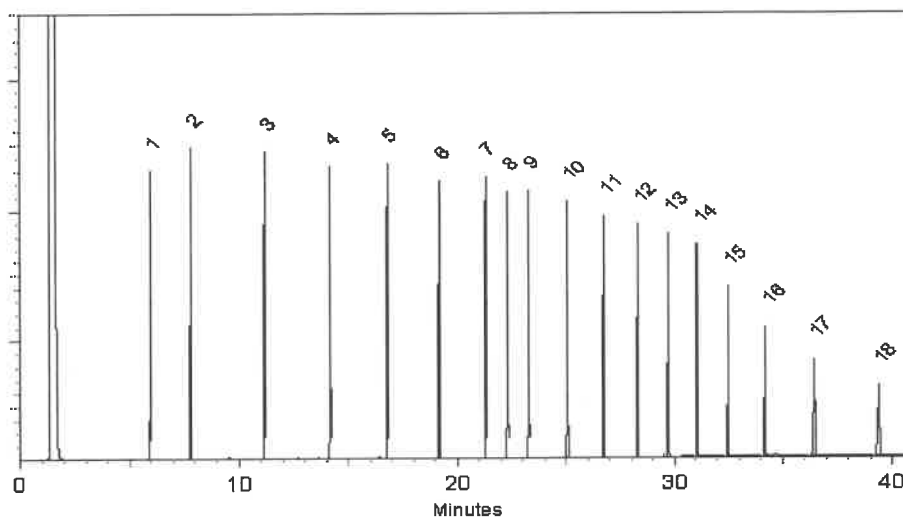
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	201.3 µg/mL	+/- 5.2012
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
↓
714093 } 7/16/25

CERTIFIED VALUES

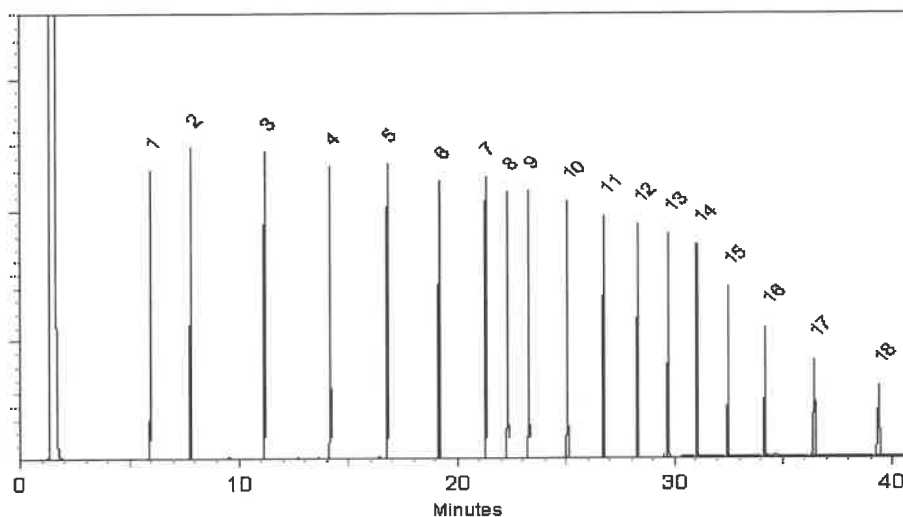
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	201.3 µg/mL	+/- 5.2012
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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Catalog No. : 30542 **Lot No.:** A0220449

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NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
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714093 } 7/16/25

CERTIFIED VALUES

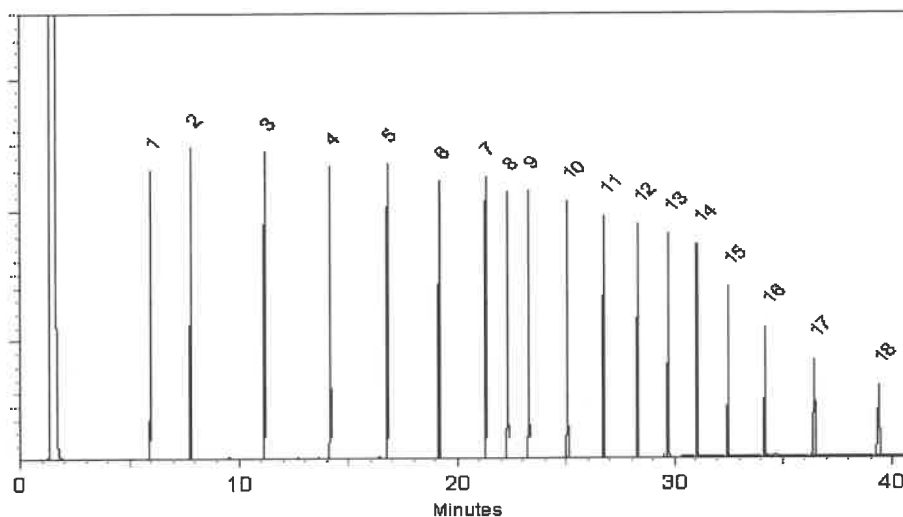
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	201.3 µg/mL	+/- 5.2012
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
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714093 } 7/16/25

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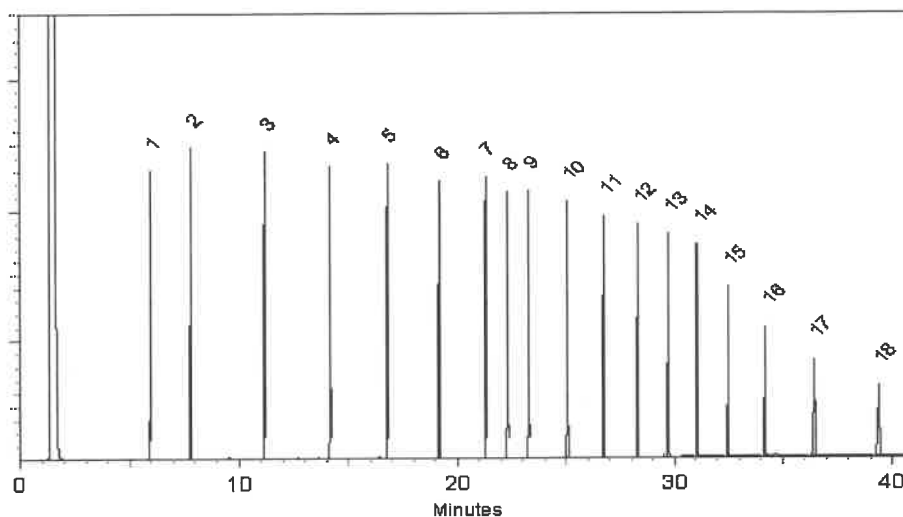
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
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7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
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17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

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Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
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Temp. Program:
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@ 10°C/min. (hold 10 min.)
Inj. Temp:
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Det. Temp:
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Det. Type:
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Split Vent:
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Inj. Vol
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Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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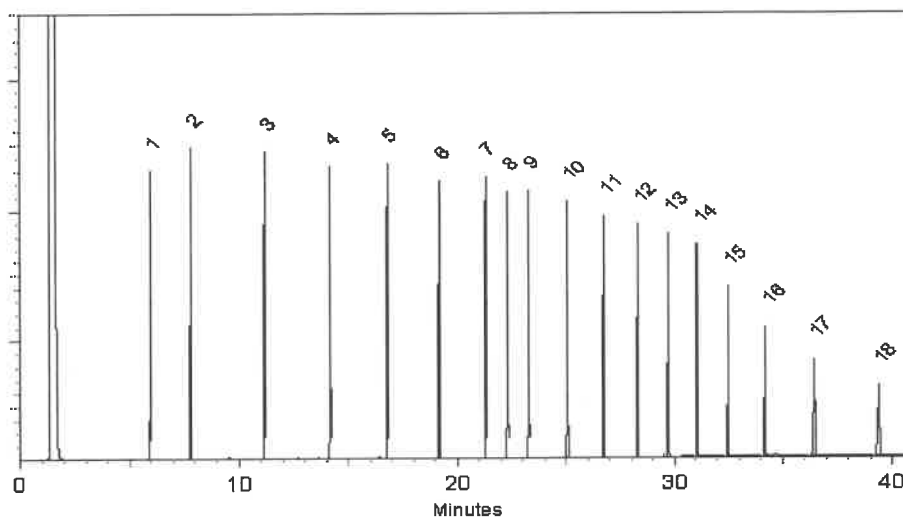
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3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
↓
714093 } 7/16/25

CERTIFIED VALUES

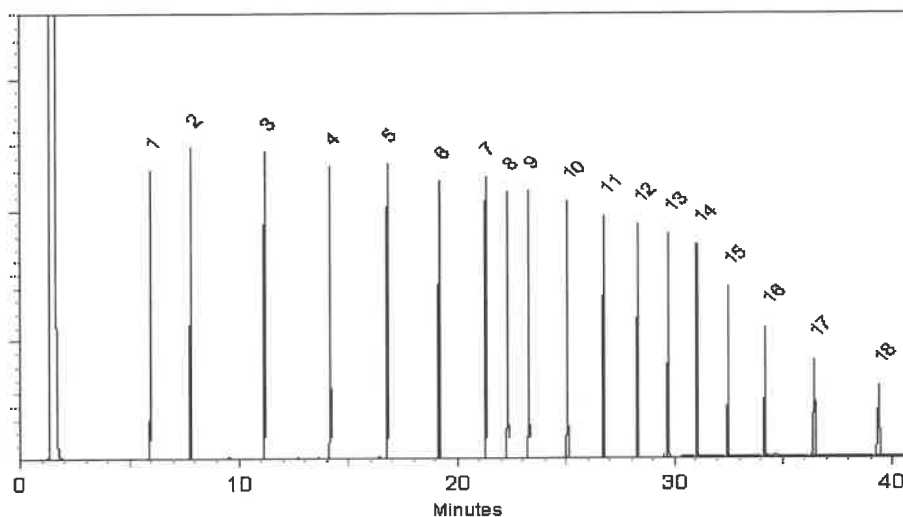
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14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
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Solvent: n-Pentane
CAS # 109-66-0
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Rtx-5 (cat.#10223)
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Inj. Temp:
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Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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714084 } AC
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714093 } 7/16/25

CERTIFIED VALUES

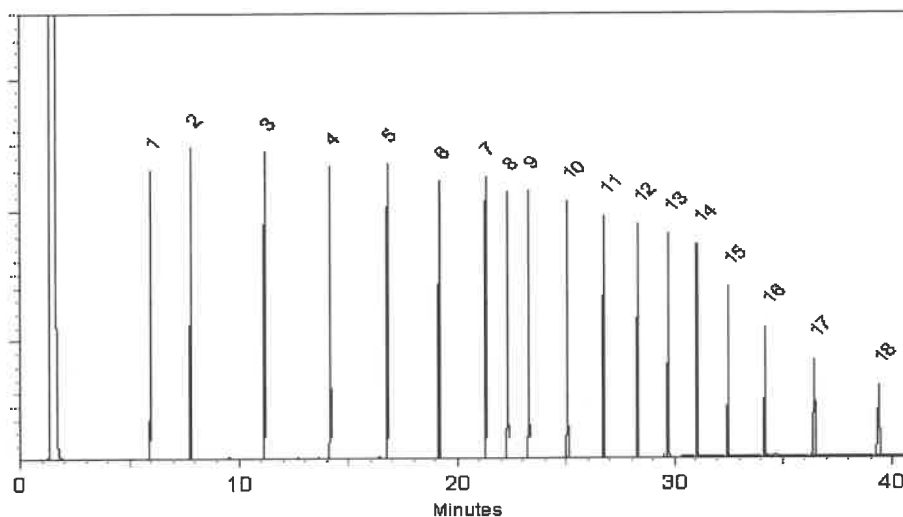
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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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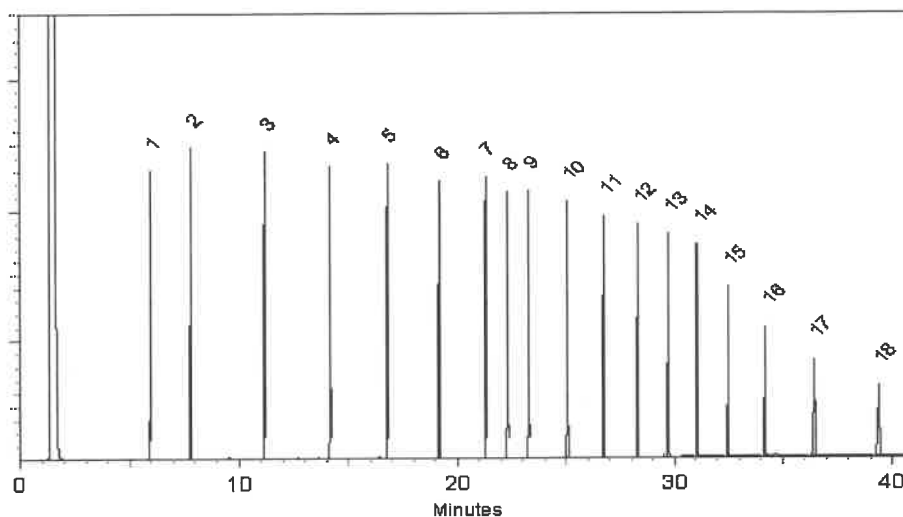
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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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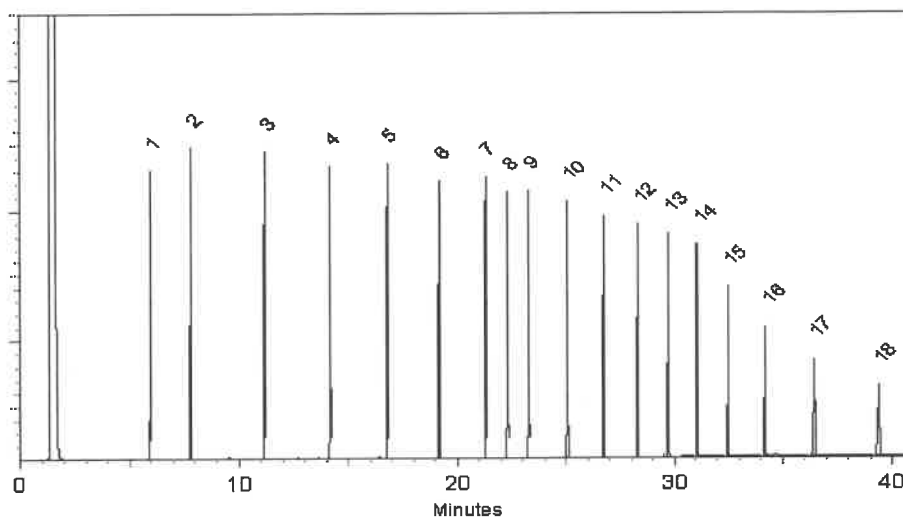
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Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantor**™



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 JB
OP4421 07/28/2025

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: BAPS North Bergen
ADDRESS: 2000 Tonnelle Ave
CITY North Bergen STATE: N.J. ZIP: 07047
ATTENTION: RAKESH PATEL
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: BAPS 2000 Tonnelle Ave
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY Stam STATE: PA-10 ZIP: _____
ATTENTION: _____ PHONE: _____

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

1. EPH - NR
2. Asbestos
3. Mercury
4. PCB
5. Pesticide - TEL
6. VOA - TEL
7. VOA - TEL
8. VOA - TEL
9. VOA - TEL

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. <u>1 Floor</u>	<u>North East Corner - BACK - A</u>	<u>SDL</u>	<u>X</u>		<u>8/5/25</u>	<u>12:46</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>						
2.	<u>L</u>			<u>X</u>		<u>12:50</u>	<u>5</u>	<u>X</u>				<u>X</u>					
3.	<u>1 Floor - Drill - B-Back</u>		<u>X</u>			<u>1304</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>						
4.	<u>L</u>			<u>X</u>		<u>1310</u>	<u>5</u>	<u>X</u>				<u>X</u>					
5. <u>Back</u>	<u>1 Floor - Center Middle - C</u>		<u>X</u>			<u>1318</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>						
6.	<u>L</u>			<u>X</u>		<u>1322</u>	<u>5</u>	<u>X</u>				<u>X</u>					
7.	<u>3 Floor - North - D</u>		<u>X</u>			<u>1400</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>						
8.	<u>L</u>			<u>X</u>		<u>1406</u>	<u>5</u>	<u>X</u>				<u>X</u>					
9.	<u>3 Floor - south - E</u>		<u>X</u>			<u>1424</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>						
10.	<u>L</u>			<u>X</u>		<u>1430</u>	<u>5</u>	<u>X</u>				<u>X</u>					

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>J. Patel</u>	DATE/TIME: <u>8:15-2025</u>	RECEIVED BY: 1. <u>J. Patel</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☒ NON COMPLIANT	COOLER TEMP: <u>4.12</u> °C
RELINQUISHED BY SAMPLER: 2. <u>J. Patel</u>	DATE/TIME: _____	RECEIVED BY: 2. <u>J. Patel</u>	Comments: <u>Equal volume of soil used.</u>	
RELINQUISHED BY SAMPLER: 3. <u>J. Patel</u>	DATE/TIME: <u>1700</u>	RECEIVED BY: 3. <u>J. Patel</u>	Page <u>1</u> of <u>2</u>	
			CLIENT: ☐ Hand Delivered ☐ Other	Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: BAPS North Bergen
ADDRESS: 2000 Tonnelle AVE
CITY North Bergen STATE: N.J. ZIP: 07047
ATTENTION: RAKESH PATEL
PHONE: _____ FAX: _____

PROJECT NAME: BAPS 2000 Tonnelle AVE
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY SA STATE: 20 ZIP: _____
ATTENTION: _____ PHONE: _____
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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 _____

1. EPH - NF
2. Cyanide Mercury Method
3. PCB
4. Pesticide - TCL 500A-10
5. VOC - TCL 400A-10
6. _____
7. _____
8. _____
9. _____

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.	Front - 1 Floor - F	sol	X		8-15-25	1442	3		X	X	X							
2.	L	L		X	1	1448	5	X				X						
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>J. C. [Signature]</u>	DATE/TIME: <u>1530</u> <u>8-15-2025</u>	RECEIVED BY: 1. _____	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT COOLER TEMP <u>4.12</u> °C
RELINQUISHED BY SAMPLER: 2. _____	DATE/TIME: _____	RECEIVED BY: 2. _____	Comments: <u>equal volume of soil used.</u>
RELINQUISHED BY SAMPLER: 3. <u>J. C. [Signature]</u>	DATE/TIME: <u>1700</u> <u>8-15-2025</u>	RECEIVED BY: 3. <u>J. C. [Signature]</u>	

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name:

2000
BAPS ~~TH~~

Chemtech Order ID:

Service Order #:

Sampler Name: Lawrence Carter

Work Order #:

Client Project Coordinator & Phone:

Labor WBS #:

Page #: 1 of 1

Facility/Site:

Date: 8.15.2025

Site Address: 2000 Tonnelle

Arrive Time: 11:42

Ave, North Bergen, N.J.

Depart Time: 1530

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

1501 wall

Collection Depth:

Dimensions/CY:

Temp (range):

°C

PID Readings (range):

PPM

Odor: Y / N

Color: Y / N

Sample Description:

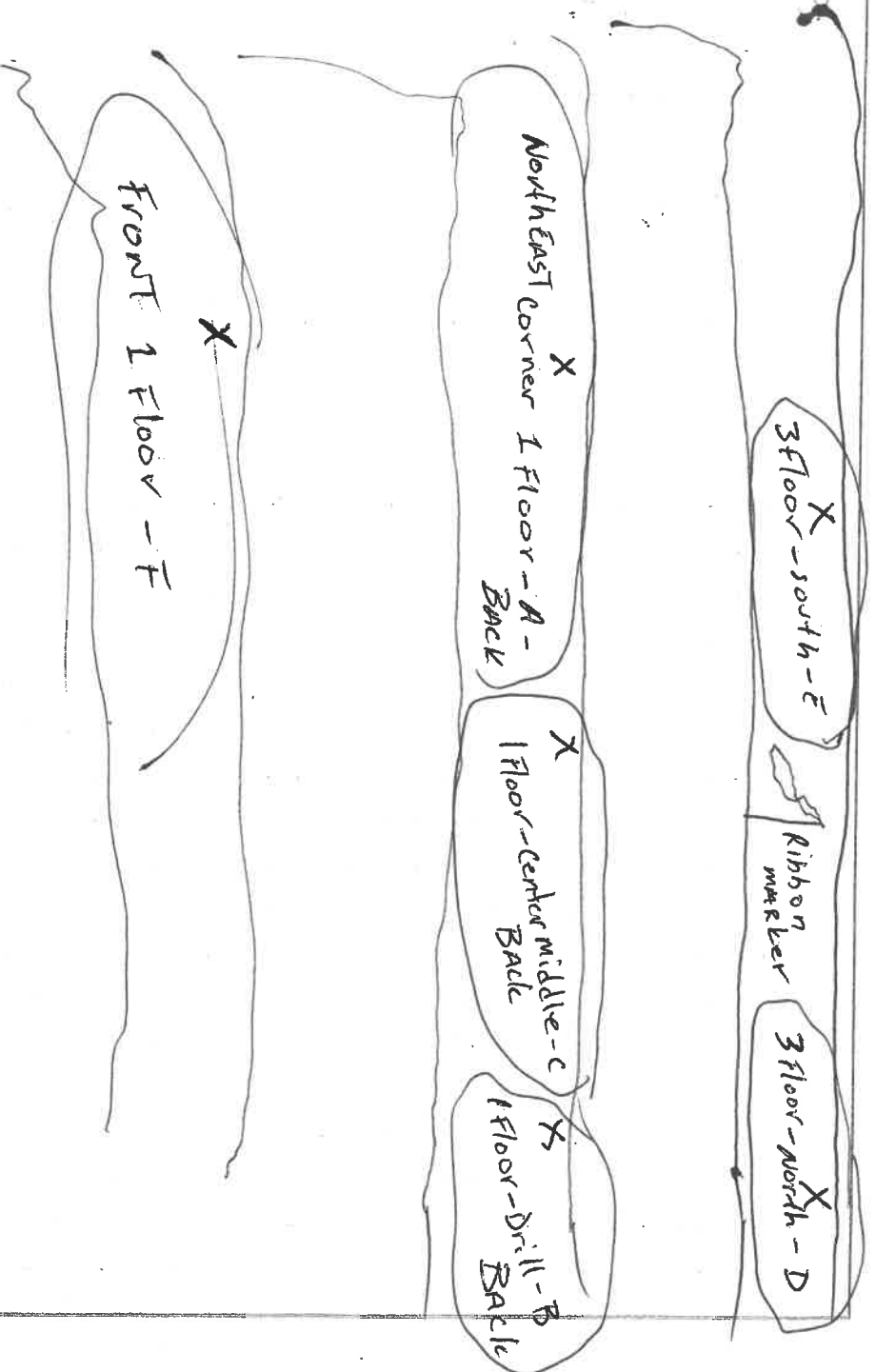
Brown soil, rocks

Field Observations:

5 drums, 1 Floor - North East corner - Back-A, 1 Floor - Drill - B - Back, 1 Floor - Center Middle - C - Back, 3 Floor - North - D, 3 Floor - South - E, Front - 1 Floor - F1

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature:

8/15/2025

Supervisor Review/Date:

Client Signature:

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	TX-C25-00189
Virginia	460312



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2892	BAPS03	Order Date : 8/15/2025 3:18:33 PM	Project Mgr : Yazmeen
Client Name : BAPS North Bergen Develc		Project Name : BAPS 2000 Tonnelle Ave	Report Type : Level 1
Client Contact : Jatinkuma Patel		Receive DateTime : 8/15/2025 5:00:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : BAPS North Bergen Develc		Purchase Order :	Hard Copy Date :
Invoice Contact : Jatinkuma Patel			Date Signoff : 8/18/2025 11:07:33 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2892-01	1-FLOOR-NORTH-EAST-CORNER CORNER -BACK-A	Solid	08/15/2025	12:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2892-03	1-FLOOR-DRILL-B-BACK	Solid	08/15/2025	13:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2892-05	BACK-1-FLOOR-CENTER-MIDDLE-C	Solid	08/15/2025	13:22					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2892-07	3-FLOOR-NORTH-D	Solid	08/15/2025	14:06					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2892-09	3-FLOOR-SOUTH-E	Solid	08/15/2025	14:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2892-11	FRONT-1-FLOOR-F	Solid	08/15/2025	14:48					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2892	BAPS03	Order Date : 8/15/2025 3:18:33 PM	Project Mgr :
Client Name : BAPS North Bergen		Project Name : BAPS 2000 Tonnelle Ave	Report Type : Level 1
Client Contact : Jatinkuma Patel		Receive DateTime : 8/15/2025 12:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : BAPS North Bergen		Purchase Order : 5:00:00 PM	Hard Copy Date :
Invoice Contact : Jatinkuma Patel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time :


8/18/25 0730

Received By :

Date / Time :


8/18/25 730

Storage Area : VOA Refridgerator Room