284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

VOLATILE ORGANICS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : STOCKTON

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1675

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

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9.2) ROC 877

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : G Environmental

Project Location : NJ

Project Number : - Stockton

Laboratory Sample ID(s) : Q1675

Sampling Date(s) : 3/27/2025,03/28/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,8270E,NJEPH,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q1675

Project ID : Stockton

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1675-01	P1
Q1675-02	P2
Q1675-03	P3
Q1675-05	P5
Q1675-06	P6
Q1675-07	T1
Q1675-08	T2
Q1675-09	T3
Q1675-10	T4
Q1675-11	T5
Q1675-12	T6
Q1675-13	D1
Q1675-14	D2
Q1675-15	D3
Q1675-16	D4
Q1675-17	D5
Q1675-18	K1P
Q1675-19	K1
Q1675-20	K2
Q1675-21	K3

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: 4/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Stockton
Project # N/A
Chemtech Project # Q1675
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 03/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_F2, EPH_NF and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y032725S.M) for Methylene Chloride is passing on Linear Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
The Sample #T6 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Samples for MS/MSD for VOC analysis were not provided with this set of samples.The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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Signature_____

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CASE NARRATIVE

G Environmental
Project Name: Stockton
Project # N/A
Chemtech Project # Q1675
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 03/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_F2, EPH_NF, SVOCMS Group1, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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CASE NARRATIVE

G Environmental
Project Name: Stockton
Project # N/A
Chemtech Project # Q1675
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 03/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_F2, EPH_NF, SVOCMS Group1, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for EPH_NF.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

Samples D2 and D5 were diluted due to high concentrations.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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CASE NARRATIVE

G Environmental
Project Name: Stockton
Project # N/A
Chemtech Project # Q1675
Test Name: EPH_F2

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 03/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_F2, EPH_NF, SVOCMS Group1, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for EPH_F2.

C. Analytical Techniques:
The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_F2s was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

Samples P5 and K1P were diluted due to high concentrations.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1675

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

QA Review Signature: SOHIL JODHANI **Date:** 04/12/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**P5**								
Q1675-05	P5	SOIL	Decahydro-1,1,4a,5,6-pentamet	*	28.9	J	0	0	ug/Kg
			Total Tics :		28.9				
			Total Concentration:		28.9				
Client ID:	**T1**								
Q1675-07	T1	SOIL	unknown1.812	*	18.3	J	0	0	ug/Kg
Q1675-07	T1	SOIL	unknown15.511	*	27.1	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Naphthalene, decahydro-2,3-di	*	19.3	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Undecane, 3,6-dimethyl-	*	40.9	J	0	0	ug/Kg
Q1675-07	T1	SOIL	1H-Indene, octahydro-2,2,4,4,7	*	37.7	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Sulfurous acid, hexyl 2-pentyl	*	16.4	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Carbonic acid, tetradecyl vinyl	*	26.8	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Carbonic acid, 2-ethylhexyl unc	*	31.1	J	0	0	ug/Kg
Q1675-07	T1	SOIL	Nonyl tetradecyl ether	*	13.4	J	0	0	ug/Kg
			Total Tics :		231				
			Total Concentration:		231				
Client ID:	**T2**								
Q1675-08	T2	SOIL	Acetone		15.8		2.10	10.9	ug/Kg
			Total Voc :		15.8				
Q1675-08	T2	SOIL	unknown12.652	*	27.7	J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown14.651	*	40.0	J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown15.352	*	22.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown15.511	*	33.0	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,4-dimethyl-	*	27.8	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Naphthalene, decahydro-, trans	*	46.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,3,3-trimethyl-	*	100	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,3,4-trimethyl-	*	72.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Hexane, 2,2-dimethyl-	*	110	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Octane, 2,6-dimethyl-	*	51.9	J	0	0	ug/Kg
Q1675-08	T2	SOIL	1-Methyldecahydronaphthalene	*	37.4	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Naphthalene, decahydro-2-metl	*	56.3	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Dodecane, 2,6,10-trimethyl-	*	33.8	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Cyclohexane, 1,1,2,3-tetrameth	*	25.1	J	0	0	ug/Kg
Q1675-08	T2	SOIL	Decahydro-1,1,4a,5,6-pentamet	*	31.6	J	0	0	ug/Kg
			Total Tics :		715				
			Total Concentration:		731				
Client ID:	**T3**								
Q1675-09	T3	SOIL	Acetone		12.1	J	3.50	18.6	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Voc :		12.1				
			Total Concentration:		12.1				
Client ID:	**T4**								
Q1675-10	T4	SOIL	Acetone		11.2	J	3.60	19.0	ug/Kg
			Total Voc :		11.2				
			Total Concentration:		11.2				
Client ID:	**T5**								
Q1675-11	T5	SOIL	Acetone		14.5	J	3.60	18.7	ug/Kg
			Total Voc :		14.5				
Q1675-11	T5	SOIL	Hexadecane	*	54.2	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Pentane, 2,3,3-trimethyl-	*	56.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Pentane, 2,3,4-trimethyl-	*	67.2	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2-dimethyl-	*	96.9	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,5-dimethyl-	*	16.0	J	0	0	ug/Kg
Q1675-11	T5	SOIL	1-Hexanol, 5-methyl-2-(1-meth	*	16.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2,5-trimethyl-	*	21.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Heptane, 3,3,5-trimethyl-	*	7.90	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 2,2-dimethyl-	*	8.10	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 3,6-dimethyl-	*	8.90	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2,3-trimethyl-	*	59.1	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Decane, 2,2-dimethyl-	*	10.9	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 2,4,6-trimethyl-	*	13.6	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Decane, 2,2,9-trimethyl-	*	19.0	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Dodecane, 2,2,11,11-tetrameth	*	28.9	J	0	0	ug/Kg
			Total Tics :		485				
			Total Concentration:		500				
Client ID:	**T6**								
Q1675-12	T6	SOIL	Acetone		16.9	J	3.50	18.6	ug/Kg
			Total Voc :		16.9				
Q1675-12	T6	SOIL	Pentane, 2,3,3-trimethyl-	*	6.70	J	0	0	ug/Kg
Q1675-12	T6	SOIL	Pentane, 2,3,4-trimethyl-	*	4.50	J	0	0	ug/Kg
Q1675-12	T6	SOIL	Hexane, 2,2-dimethyl-	*	7.90	J	0	0	ug/Kg
			Total Tics :		19.1				
			Total Concentration:		36.0				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.79	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.4	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.10	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.83	U	0.83	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (38) - 130 (136)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.713			
540-36-3	1,4-Difluorobenzene	422000	8.615			
3114-55-4	Chlorobenzene-d5	384000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	5.20	U	5.20	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.81	U	0.81	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.90	U	0.90	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	27.6	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.69	U	0.69	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.6	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.1	ug/Kg
95-47-6	o-Xylene	0.91	U	0.91	5.50	ug/Kg
100-42-5	Styrene	0.79	U	0.79	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.9		70 (38) - 130 (136)	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	416000	8.616			
3114-55-4	Chlorobenzene-d5	351000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	28.9	J		16.6	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.30	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.30	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.30	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.30	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.30	U	1.30	6.30	ug/Kg
67-64-1	Acetone	6.00	U	6.00	31.6	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.92	U	0.92	6.30	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.30	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.30	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
110-82-7	Cyclohexane	1.00	U	1.00	6.30	ug/Kg
78-93-3	2-Butanone	8.30	U	8.30	31.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	6.30	ug/Kg
74-97-5	Bromochloromethane	1.50	U	1.50	6.30	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.30	ug/Kg
71-43-2	Benzene	1.00	U	1.00	6.30	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.30	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.30	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	6.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.6	ug/Kg
108-88-3	Toluene	0.98	U	0.98	6.30	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.82	U	0.82	6.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.78	U	0.78	6.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	31.6	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.30	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.30	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.30	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.30	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	6.30	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	12.6	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.30	ug/Kg
100-42-5	Styrene	0.90	U	0.90	6.30	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.30	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	6.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	2.20	6.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	2.00	6.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (38) - 130 (136)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.707			
540-36-3	1,4-Difluorobenzene	431000	8.615			
3114-55-4	Chlorobenzene-d5	422000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.80	U	2.80	12.5	ug/Kg
74-87-3	Chloromethane	2.80	U	2.80	12.5	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	2.00	12.5	ug/Kg
74-83-9	Bromomethane	2.70	U	2.70	12.5	ug/Kg
75-00-3	Chloroethane	3.10	U	3.10	12.5	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	3.00	12.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.60	U	2.60	12.5	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	2.50	12.5	ug/Kg
67-64-1	Acetone	11.8	U	11.8	62.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	12.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	1.80	12.5	ug/Kg
79-20-9	Methyl Acetate	3.80	U	3.80	12.5	ug/Kg
75-09-2	Methylene Chloride	8.80	U	8.80	24.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	2.10	12.5	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	2.00	12.5	ug/Kg
110-82-7	Cyclohexane	2.00	U	2.00	12.5	ug/Kg
78-93-3	2-Butanone	16.3	U	16.3	62.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	2.40	12.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	1.90	12.5	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	12.5	ug/Kg
67-66-3	Chloroform	2.10	U	2.10	12.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	2.30	12.5	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	2.30	12.5	ug/Kg
71-43-2	Benzene	2.00	U	2.00	12.5	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	2.00	12.5	ug/Kg
79-01-6	Trichloroethene	2.00	U	2.00	12.5	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	2.30	12.5	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	1.90	12.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	8.90	62.4	ug/Kg
108-88-3	Toluene	1.90	U	1.90	12.5	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.60	U	1.60	12.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	1.50	12.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	12.5	ug/Kg
591-78-6	2-Hexanone	9.20	U	9.20	62.4	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	2.20	12.5	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	2.20	12.5	ug/Kg
127-18-4	Tetrachloroethene	2.60	U	2.60	12.5	ug/Kg
108-90-7	Chlorobenzene	2.30	U	2.30	12.5	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	1.70	12.5	ug/Kg
179601-23-1	m/p-Xylenes	3.10	U	3.10	24.9	ug/Kg
95-47-6	o-Xylene	2.00	U	2.00	12.5	ug/Kg
100-42-5	Styrene	1.80	U	1.80	12.5	ug/Kg
75-25-2	Bromoform	2.10	U	2.10	12.5	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	1.90	12.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	12.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.30	U	4.30	12.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.90	U	3.90	12.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.60	U	3.60	12.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	12.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.40	U	7.40	12.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.90	U	7.90	12.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (38) - 130 (136)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	454000	8.616			
3114-55-4	Chlorobenzene-d5	421000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown1.812	18.3	J		1.81	ug/Kg
1000382-54-5	Carbonic acid, tetradecyl vinyl es	26.8	J		13.2	ug/Kg
017301-28-9	Undecane, 3,6-dimethyl-	40.9	J		13.4	ug/Kg
1000309-15-6	Sulfurous acid, hexyl 2-pentyl est	16.4	J		13.6	ug/Kg
1000383-13-8	Carbonic acid, 2-ethylhexyl undecy	31.1	J		14.3	ug/Kg
001008-80-6	Naphthalene, decahydro-2,3-dimethy	19.3	J		14.8	ug/Kg
1000406-37-6	Nonyl tetradecyl ether	13.4	J		15.1	ug/Kg
	unknown15.511	27.1	J		15.5	ug/Kg
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	37.7	J		16.6	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	2.20	ug/Kg
74-87-3	Chloromethane	0.50	U	0.50	2.20	ug/Kg
75-01-4	Vinyl Chloride	0.34	U	0.34	2.20	ug/Kg
74-83-9	Bromomethane	0.47	U	0.47	2.20	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	2.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.53	U	0.53	2.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	2.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	2.20	ug/Kg
67-64-1	Acetone	15.8		2.10	10.9	ug/Kg
75-15-0	Carbon Disulfide	0.46	U	0.46	2.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.32	U	0.32	2.20	ug/Kg
79-20-9	Methyl Acetate	0.67	U	0.67	2.20	ug/Kg
75-09-2	Methylene Chloride	1.50	U	1.50	4.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.38	U	0.38	2.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.35	U	0.35	2.20	ug/Kg
110-82-7	Cyclohexane	0.34	U	0.34	2.20	ug/Kg
78-93-3	2-Butanone	2.90	U	2.90	10.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.42	U	0.42	2.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	2.20	ug/Kg
74-97-5	Bromochloromethane	0.50	U	0.50	2.20	ug/Kg
67-66-3	Chloroform	0.37	U	0.37	2.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	2.20	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	0.40	2.20	ug/Kg
71-43-2	Benzene	0.34	U	0.34	2.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.34	U	0.34	2.20	ug/Kg
79-01-6	Trichloroethene	0.35	U	0.35	2.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.40	U	0.40	2.20	ug/Kg
75-27-4	Bromodichloromethane	0.34	U	0.34	2.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.60	U	1.60	10.9	ug/Kg
108-88-3	Toluene	0.34	U	0.34	2.20	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.28	U	0.28	2.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.27	U	0.27	2.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.40	U	0.40	2.20	ug/Kg
591-78-6	2-Hexanone	1.60	U	1.60	10.9	ug/Kg
124-48-1	Dibromochloromethane	0.38	U	0.38	2.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.38	U	0.38	2.20	ug/Kg
127-18-4	Tetrachloroethene	0.46	U	0.46	2.20	ug/Kg
108-90-7	Chlorobenzene	0.40	U	0.40	2.20	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	0.29	2.20	ug/Kg
179601-23-1	m/p-Xylenes	0.54	U	0.54	4.40	ug/Kg
95-47-6	o-Xylene	0.36	U	0.36	2.20	ug/Kg
100-42-5	Styrene	0.31	U	0.31	2.20	ug/Kg
75-25-2	Bromoform	0.38	U	0.38	2.20	ug/Kg
98-82-8	Isopropylbenzene	0.34	U	0.34	2.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.53	U	0.53	2.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.75	U	0.75	2.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.68	U	0.68	2.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.63	U	0.63	2.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.80	U	0.80	2.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.30	U	1.30	2.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	2.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	65.0		70 (38) - 130 (136)	130%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	508000	8.609			
3114-55-4	Chlorobenzene-d5	512000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000108-08-7	Pentane, 2,4-dimethyl-	27.8	J		6.59	ug/Kg
000590-73-8	Hexane, 2,2-dimethyl-	110	J		8.24	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	72.1	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	100	J		9.67	ug/Kg
006783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	25.1	J		12.6	ug/Kg
	unknown12.652	27.7	J		12.7	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	46.1	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	56.3	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	37.4	J		14.3	ug/Kg
	unknown14.651	40.0	J		14.7	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	51.9	J		15.1	ug/Kg
	unknown15.352	22.1	J		15.4	ug/Kg
	unknown15.511	33.0	J		15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	33.8	J		16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	31.6	J		16.6	ug/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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	12.1	J	3.50	18.6	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.6	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		70 (63) - 130 (155)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	7.707			
540-36-3	1,4-Difluorobenzene	489000	8.616			
3114-55-4	Chlorobenzene-d5	463000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	3.80	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	3.80	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.92	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	3.80	ug/Kg
67-64-1	Acetone	11.2	J	3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	0.81	U	0.81	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.88	U	0.88	3.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.0	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.54	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		70 (38) - 130 (136)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	579000	8.615			
3114-55-4	Chlorobenzene-d5	553000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.70	ug/Kg
67-64-1	Acetone	14.5	J	3.60	18.7	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.70	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.7	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.7	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.707			
540-36-3	1,4-Difluorobenzene	565000	8.616			
3114-55-4	Chlorobenzene-d5	539000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000590-73-8	Hexane, 2,2-dimethyl-	96.9	J		8.24	ug/Kg
000592-13-2	Hexane, 2,5-dimethyl-	16.0	J		9.12	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	67.2	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	56.5	J		9.67	ug/Kg
003522-94-9	Hexane, 2,2,5-trimethyl-	21.5	J		10.0	ug/Kg
015869-87-1	Octane, 2,2-dimethyl-	8.10	J		11.5	ug/Kg
007154-80-5	Heptane, 3,3,5-trimethyl-	7.90	J		11.7	ug/Kg
062238-00-0	Decane, 2,2,9-trimethyl-	19.0	J		12.6	ug/Kg
062016-37-9	Octane, 2,4,6-trimethyl-	13.6	J		12.8	ug/Kg
127204-12-0	Dodecane, 2,2,11,11-tetramethyl-	28.9	J		13.0	ug/Kg
017302-37-3	Decane, 2,2-dimethyl-	10.9	J		13.1	ug/Kg
000544-76-3	Hexadecane	54.2	J		13.2	ug/Kg
016747-25-4	Hexane, 2,2,3-trimethyl-	59.1	J		13.4	ug/Kg
002051-33-4	1-Hexanol, 5-methyl-2-(1-methyleth	16.5	J		13.6	ug/Kg
015869-94-0	Octane, 3,6-dimethyl-	8.90	J		14.3	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	16.9	J	3.50	18.6	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.6	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		70 (38) - 130 (136)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.707			
540-36-3	1,4-Difluorobenzene	487000	8.616			
3114-55-4	Chlorobenzene-d5	457000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	198000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000590-73-8	Hexane, 2,2-dimethyl-	7.90	J		8.24	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	4.50	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	6.70	J		9.67	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1675-01	P1	1,2-Dichloroethane-d4	50	55.4	111	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	49.0	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.0	90	70 (38)	130 (136)
Q1675-05	P5	1,2-Dichloroethane-d4	50	52.1	104	70 (63)	130 (155)
		Dibromofluoromethane	50	51.2	102	70 (70)	130 (134)
		Toluene-d8	50	48.8	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.9	76	70 (38)	130 (136)
Q1675-06	P6	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102	70 (70)	130 (134)
		Toluene-d8	50	51.5	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.5	111	70 (38)	130 (136)
Q1675-07	T1	1,2-Dichloroethane-d4	50	54.2	108	70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102	70 (70)	130 (134)
		Toluene-d8	50	50.1	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.2	100	70 (38)	130 (136)
Q1675-08	T2	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	51.8	104	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	65.0	130	70 (38)	130 (136)
Q1675-09	T3	1,2-Dichloroethane-d4	50	60.2	120	70 (63)	130 (155)
		Dibromofluoromethane	50	53.0	106	70 (70)	130 (134)
		Toluene-d8	50	50.2	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101	70 (38)	130 (136)
Q1675-10	T4	1,2-Dichloroethane-d4	50	56.6	113	70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104	70 (70)	130 (134)
		Toluene-d8	50	49.7	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.0	106	70 (38)	130 (136)
Q1675-11	T5	1,2-Dichloroethane-d4	50	53.7	107	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	50.6	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.7	109	70 (38)	130 (136)
Q1675-12	T6	1,2-Dichloroethane-d4	50	56.7	113	70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101	70 (70)	130 (134)
		Toluene-d8	50	50.1	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.7	99	70 (38)	130 (136)
VY0331SBL01	VY0331SBL01	1,2-Dichloroethane-d4	50	50.5	101	70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86	70 (38)	130 (136)
VY0331SBS01	VY0331SBS01	1,2-Dichloroethane-d4	50	50.4	101	70 (63)	130 (155)
		Dibromofluoromethane	50	52.7	105	70 (70)	130 (134)
		Toluene-d8	50	52.2	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.0	102	70 (38)	130 (136)
VY0331SBSD01	VY0331SBSD01	1,2-Dichloroethane-d4	50	54.3	109	70 (63)	130 (155)
		Dibromofluoromethane	50	56.5	113	70 (70)	130 (134)
		Toluene-d8	50	56.6	113	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.8	110	70 (38)	130 (136)
VY0401SBL01	VY0401SBL01	1,2-Dichloroethane-d4	50	52.8	106	70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103	70 (70)	130 (134)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0401SBL01	VY0401SBL01	Toluene-d8	50	49.4	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.3	95	70 (38)	130 (136)
VY0401SBS01	VY0401SBS01	1,2-Dichloroethane-d4	50	52.3	105	70 (63)	130 (155)
		Dibromofluoromethane	50	54.1	108	70 (70)	130 (134)
		Toluene-d8	50	54.9	110	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.3	109	70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021712.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0331SBS01	Dichlorodifluoromethane	20	19.6	ug/Kg	98			40 (64)	160 (136)	
	Chloromethane	20	19.3	ug/Kg	97			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	20.6	ug/Kg	103			40 (58)	160 (141)	
	Chloroethane	20	19.4	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.6	ug/Kg	98			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	95.6	ug/Kg	96			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			70 (77)	130 (129)	
	Methyl Acetate	20	19.3	ug/Kg	97			70 (69)	130 (149)	
	Methylene Chloride	20	20.3	ug/Kg	102			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	90.9	ug/Kg	91			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	19.8	ug/Kg	99			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	Bromodichloromethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	92.0	ug/Kg	92			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	90.5	ug/Kg	91			40 (66)	160 (138)	
	Dibromochloromethane	20	19.9	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	20.3	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (122)	
	Ethyl Benzene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.2	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021712.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0331SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.8	ug/Kg	89			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0331SBSD01	Dichlorodifluoromethane	20	19.7	ug/Kg	99	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.3	ug/Kg	97	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.2	ug/Kg	96	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.4	ug/Kg	102	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.1	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.5	ug/Kg	98	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	0		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	2		70 (79)	130 (121)	30 (20)
	Acetone	100	87.1	ug/Kg	87	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.8	ug/Kg	94	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	18.1	ug/Kg	91	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.3	ug/Kg	102	0		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/Kg	97	0		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.8	ug/Kg	99	0		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.1	ug/Kg	96	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	88.8	ug/Kg	89	2		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.0	ug/Kg	100	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.0	ug/Kg	100	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.9	ug/Kg	100	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.6	ug/Kg	98	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.5	ug/Kg	98	4		70 (77)	130 (123)	30 (20)
	Benzene	20	20.0	ug/Kg	100	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.1	ug/Kg	101	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.0	ug/Kg	100	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.0	ug/Kg	100	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	92.7	ug/Kg	93	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.6	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	88.5	ug/Kg	89	2		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.8	ug/Kg	99	1		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.8	ug/Kg	99	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.6	ug/Kg	103	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.1	ug/Kg	101	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.0	ug/Kg	100	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.0	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.8	ug/Kg	99	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.2	ug/Kg	96	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.4	ug/Kg	92	5		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	0		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0331SBSD01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	18.6	ug/Kg	93	1		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95	7		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0401SBS01	Dichlorodifluoromethane	20	19.4	ug/Kg	97			40 (64)	160 (136)	
	Chloromethane	20	18.1	ug/Kg	91			40 (70)	160 (130)	
	Vinyl chloride	20	18.3	ug/Kg	92			70 (72)	130 (129)	
	Bromomethane	20	19.7	ug/Kg	99			40 (58)	160 (141)	
	Chloroethane	20	18.4	ug/Kg	92			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70 (79)	130 (121)	
	Acetone	100	94.3	ug/Kg	94			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	20	18.6	ug/Kg	93			70 (69)	130 (149)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Cyclohexane	20	18.8	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	93.7	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	19.3	ug/Kg	97			70 (80)	130 (127)	
	Chloroform	20	19.4	ug/Kg	97			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	19.6	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			70 (81)	130 (126)	
	Trichloroethene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	94.6	ug/Kg	95			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	94.9	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.8	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.5	ug/Kg	99			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	20.5	ug/Kg	103			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0401SBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0331SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021711.D Lab Sample ID: VY0331SBL01

Date Analyzed: 03/31/2025 Time Analyzed: 11:04

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0331SBS01	VY0331SBS01	VY021712.D	03/31/2025
VY0331SBSD01	VY0331SBSD01	VY021713.D	03/31/2025
P1	Q1675-01	VY021718.D	03/31/2025
P5	Q1675-05	VY021719.D	03/31/2025
P6	Q1675-06	VY021720.D	03/31/2025
T1	Q1675-07	VY021721.D	03/31/2025
T2	Q1675-08	VY021722.D	03/31/2025
T4	Q1675-10	VY021724.D	03/31/2025
T5	Q1675-11	VY021725.D	03/31/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0401SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021732.D Lab Sample ID: VY0401SBL01

Date Analyzed: 04/01/2025 Time Analyzed: 10:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0401SBS01	VY0401SBS01	VY021733.D	04/01/2025
T3	Q1675-09	VY021737.D	04/01/2025
T6	Q1675-12	VY021738.D	04/01/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021709.D BFB Injection Date: 03/31/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.1 (96.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021710.D	03/31/2025	10:08
VY0331SBL01	VY0331SBL01	VY021711.D	03/31/2025	11:04
VY0331SBS01	VY0331SBS01	VY021712.D	03/31/2025	11:43
VY0331SBSD01	VY0331SBSD01	VY021713.D	03/31/2025	12:06
P1	Q1675-01	VY021718.D	03/31/2025	14:38
P5	Q1675-05	VY021719.D	03/31/2025	15:01
P6	Q1675-06	VY021720.D	03/31/2025	15:25
T1	Q1675-07	VY021721.D	03/31/2025	15:48
T2	Q1675-08	VY021722.D	03/31/2025	16:11
T4	Q1675-10	VY021724.D	03/31/2025	16:58
T5	Q1675-11	VY021725.D	03/31/2025	17:22

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021730.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	83.4
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	79.4 (95.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021731.D	04/01/2025	10:13
VY0401SBL01	VY0401SBL01	VY021732.D	04/01/2025	10:52
VY0401SBS01	VY0401SBS01	VY021733.D	04/01/2025	11:30
T3	Q1675-09	VY021737.D	04/01/2025	13:22
T6	Q1675-12	VY021738.D	04/01/2025	13:46

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021710.D Date Analyzed: 03/31/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	219865	7.71	330473	8.62	302464	11.41
UPPER LIMIT	439730	8.207	660946	9.116	604928	11.914
LOWER LIMIT	109933	7.207	165237	8.116	151232	10.914
EPA SAMPLE NO.						
P1	225152	7.71	422046	8.62	384322	11.41
P5	223306	7.71	416437	8.62	350907	11.41
P6	224475	7.71	430734	8.62	421727	11.41
T1	241201	7.71	454127	8.62	421197	11.41
T2	278328	7.71	508216	8.61	512218	11.41
T4	303922	7.71	578602	8.62	553448	11.41
T5	300228	7.71	564649	8.62	539474	11.41
VY0331SBL01	226309	7.71	422899	8.62	372547	11.42
VY0331SBS01	209979	7.71	327567	8.62	291569	11.41
VY0331SBSD01	214172	7.71	331290	8.62	291157	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021710.D Date Analyzed: 03/31/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	152394	13.347				
UPPER LIMIT	304788	13.847				
LOWER LIMIT	76197	12.847				
EPA SAMPLE NO.						
P1	151796	13.35				
P5	108429	13.35				
P6	189318	13.35				
T1	185708	13.35				
T2	256507	13.35				
T4	250658	13.35				
T5	244186	13.35				
VY0331SBL01	140307	13.35				
VY0331SBS01	145397	13.35				
VY0331SBSD01	150013	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021731.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	267136	7.71	417982	8.62	368359	11.41
UPPER LIMIT	534272	8.207	835964	9.115	736718	11.914
LOWER LIMIT	133568	7.207	208991	8.115	184180	10.914
EPA SAMPLE NO.						
T3	259184	7.71	488873	8.62	462972	11.41
T6	250737	7.71	486743	8.62	457044	11.41
VY0401SBL01	281152	7.71	519589	8.61	477574	11.41
VY0401SBS01	262284	7.71	407591	8.62	358349	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021731.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	185609	13.346				
UPPER LIMIT	371218	13.846				
LOWER LIMIT	92804.5	12.846				
EPA SAMPLE NO.						
T3	201176	13.35				
T6	197804	13.35				
VY0401SBL01	199303	13.35				
VY0401SBS01	179014	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (38) - 130 (136)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	373000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (38) - 130 (136)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	520000	8.61			
3114-55-4	Chlorobenzene-d5	478000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		1.00	5.00	ug/Kg
67-64-1	Acetone	95.6		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	90.9		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.91	5.00	ug/Kg
71-43-2	Benzene	19.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.707			
540-36-3	1,4-Difluorobenzene	328000	8.615			
3114-55-4	Chlorobenzene-d5	292000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.7		1.00	5.00	ug/Kg
67-64-1	Acetone	94.3		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.7		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	19.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.6		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	94.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (74) - 130 (123)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	7.707			
540-36-3	1,4-Difluorobenzene	408000	8.616			
3114-55-4	Chlorobenzene-d5	358000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	88.8		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	88.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		70 (70) - 130 (134)	113%	SPK: 50
2037-26-5	Toluene-d8	56.6		70 (74) - 130 (123)	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		70 (38) - 130 (136)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214000	7.707			
540-36-3	1,4-Difluorobenzene	331000	8.615			
3114-55-4	Chlorobenzene-d5	291000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	11
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.1
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Bromochloromethane	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.5
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 03/31/2025 10:08

Lab File ID: VY021710.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.504		-2.7	20
Chloromethane	0.729	0.699	0.1	-4.11	20
Vinyl Chloride	0.824	0.802		-2.67	20
Bromomethane	0.562	0.525		-6.58	20
Chloroethane	0.539	0.525		-2.6	20
Trichlorofluoromethane	1.056	1.075		1.8	20
1,1,2-Trichlorotrifluoroethane	0.557	0.561		0.72	20
1,1-Dichloroethene	0.524	0.519		-0.95	20
Acetone	0.111	0.097		-12.61	20
Carbon Disulfide	1.727	1.707		-1.16	20
Methyl tert-butyl Ether	1.306	1.319		1	20
Methyl Acetate	0.275	0.294		6.91	20
Methylene Chloride	0.626	0.573		-8.47	20
trans-1,2-Dichloroethene	0.577	0.577		0	20
1,1-Dichloroethane	1.049	1.046	0.1	-0.29	20
Cyclohexane	0.956	0.927		-3.03	20
2-Butanone	0.158	0.156		-1.27	20
Carbon Tetrachloride	0.566	0.608		7.42	20
cis-1,2-Dichloroethene	0.649	0.650		0.15	20
Bromochloromethane	0.442	0.448		1.36	20
Chloroform	1.091	1.087		-0.37	20
1,1,1-Trichloroethane	0.986	0.979		-0.71	20
Methylcyclohexane	0.590	0.641		8.64	20
Benzene	1.479	1.572		6.29	20
1,2-Dichloroethane	0.417	0.441		5.76	20
Trichloroethene	0.377	0.393		4.24	20
1,2-Dichloropropane	0.350	0.371		6	20
Bromodichloromethane	0.523	0.556		6.31	20
4-Methyl-2-Pentanone	0.230	0.254		10.44	20
Toluene	0.923	0.997		8.02	20
t-1,3-Dichloropropene	0.465	0.503		8.17	20
cis-1,3-Dichloropropene	0.548	0.585		6.75	20
1,1,2-Trichloroethane	0.260	0.276		6.15	20
2-Hexanone	0.153	0.171		11.77	20
Dibromochloromethane	0.355	0.386		8.73	20
1,2-Dibromoethane	0.244	0.265		8.61	20
Tetrachloroethene	0.455	0.463		1.76	20
Chlorobenzene	1.146	1.163	0.3	1.48	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 03/31/2025 10:08

Lab File ID: VY021710.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.057		4.68	20
m/p-Xylenes	0.753	0.796		5.71	20
o-Xylene	0.695	0.737		6.04	20
Styrene	1.158	1.271		9.76	20
Bromoform	0.232	0.247	0.1	6.47	20
Isopropylbenzene	3.714	3.861		3.96	20
1,1,2,2-Tetrachloroethane	0.668	0.673	0.3	0.75	20
1,3-Dichlorobenzene	1.757	1.805		2.73	20
1,4-Dichlorobenzene	1.736	1.769		1.9	20
1,2-Dichlorobenzene	1.529	1.563		2.22	20
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	20
1,2,4-Trichlorobenzene	0.829	0.853		2.89	20
1,2,3-Trichlorobenzene	0.707	0.744		5.23	20
1,2-Dichloroethane-d4	0.542	0.580		7.01	20
Dibromofluoromethane	0.324	0.372		14.81	20
Toluene-d8	1.234	1.418		14.91	20
4-Bromofluorobenzene	0.417	0.477		14.39	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 04/01/2025 10:13

Lab File ID: VY021731.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.503		-2.9	20
Chloromethane	0.729	0.661	0.1	-9.33	20
Vinyl Chloride	0.824	0.773		-6.19	20
Bromomethane	0.562	0.514		-8.54	20
Chloroethane	0.539	0.495		-8.16	20
Trichlorofluoromethane	1.056	1.042		-1.33	20
1,1,2-Trichlorotrifluoroethane	0.557	0.558		0.18	20
1,1-Dichloroethene	0.524	0.526		0.38	20
Acetone	0.111	0.089		-19.82	20
Carbon Disulfide	1.727	1.673		-3.13	20
Methyl tert-butyl Ether	1.306	1.321		1.15	20
Methyl Acetate	0.275	0.287		4.36	20
Methylene Chloride	0.626	0.569		-9.1	20
trans-1,2-Dichloroethene	0.577	0.583		1.04	20
1,1-Dichloroethane	1.049	1.041	0.1	-0.76	20
Cyclohexane	0.956	0.916		-4.18	20
2-Butanone	0.158	0.142		-10.13	20
Carbon Tetrachloride	0.566	0.583		3	20
cis-1,2-Dichloroethene	0.649	0.669		3.08	20
Bromochloromethane	0.442	0.402		-9.05	20
Chloroform	1.091	1.087		-0.37	20
1,1,1-Trichloroethane	0.986	0.985		-0.1	20
Methylcyclohexane	0.590	0.628		6.44	20
Benzene	1.479	1.490		0.74	20
1,2-Dichloroethane	0.417	0.409		-1.92	20
Trichloroethene	0.377	0.389		3.18	20
1,2-Dichloropropane	0.350	0.354		1.14	20
Bromodichloromethane	0.523	0.529		1.15	20
4-Methyl-2-Pentanone	0.230	0.225		-2.17	20
Toluene	0.923	0.962		4.22	20
t-1,3-Dichloropropene	0.465	0.479		3.01	20
cis-1,3-Dichloropropene	0.548	0.555		1.28	20
1,1,2-Trichloroethane	0.260	0.267		2.69	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.369		3.94	20
1,2-Dibromoethane	0.244	0.251		2.87	20
Tetrachloroethene	0.455	0.465		2.2	20
Chlorobenzene	1.146	1.163	0.3	1.48	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 04/01/2025 10:13

Lab File ID: VY021731.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.068		5.24	20
m/p-Xylenes	0.753	0.791		5.05	20
o-Xylene	0.695	0.744		7.05	20
Styrene	1.158	1.265		9.24	20
Bromoform	0.232	0.240	0.1	3.45	20
Isopropylbenzene	3.714	3.927		5.74	20
1,1,2,2-Tetrachloroethane	0.668	0.646	0.3	-3.29	20
1,3-Dichlorobenzene	1.757	1.808		2.9	20
1,4-Dichlorobenzene	1.736	1.750		0.81	20
1,2-Dichlorobenzene	1.529	1.568		2.55	20
1,2-Dibromo-3-Chloropropane	0.103	0.099		-3.88	20
1,2,4-Trichlorobenzene	0.829	0.905		9.17	20
1,2,3-Trichlorobenzene	0.707	0.756		6.93	20
1,2-Dichloroethane-d4	0.542	0.509		-6.09	20
Dibromofluoromethane	0.324	0.320		-1.24	20
Toluene-d8	1.234	1.227		-0.57	20
4-Bromofluorobenzene	0.417	0.421		0.96	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Time: Apr 01 05:37:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

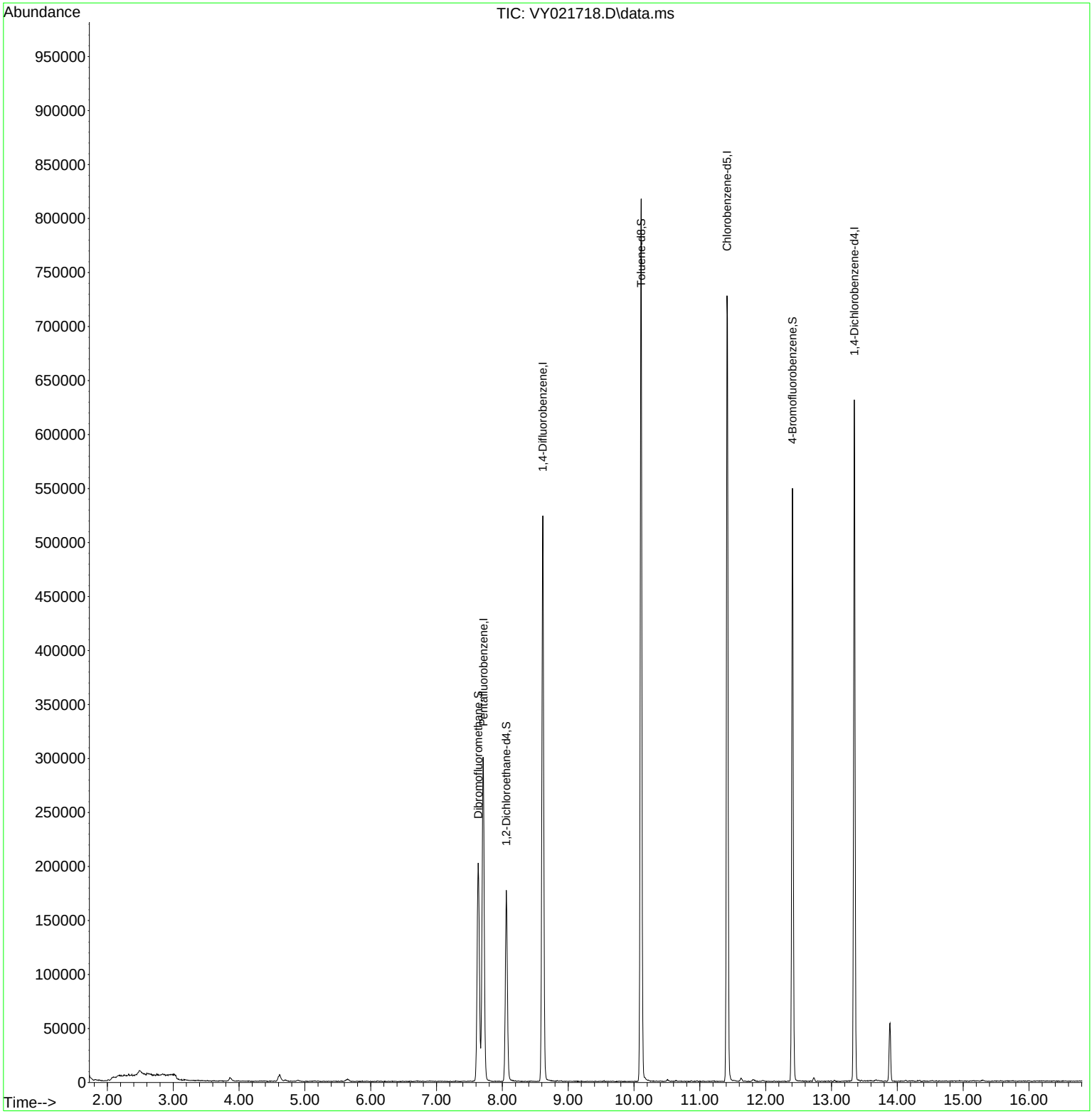
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	225152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	422046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	135238	55.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.880%			
35) Dibromofluoromethane	7.634	113	142437	52.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.060%			
50) Toluene-d8	10.109	98	510650	49.029	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.407	95	158668	45.039	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.080%			
Target Compounds						Qvalue

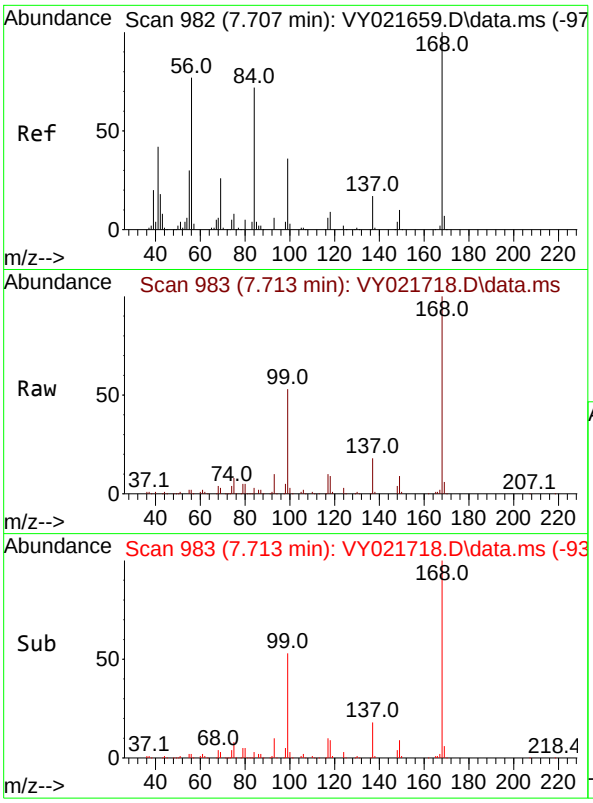
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Time: Apr 01 05:37:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



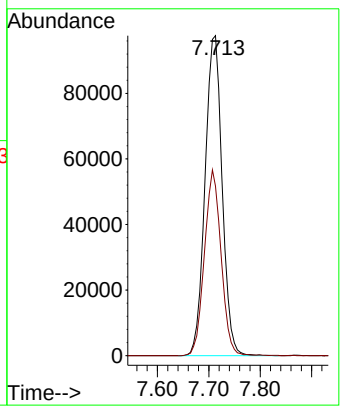


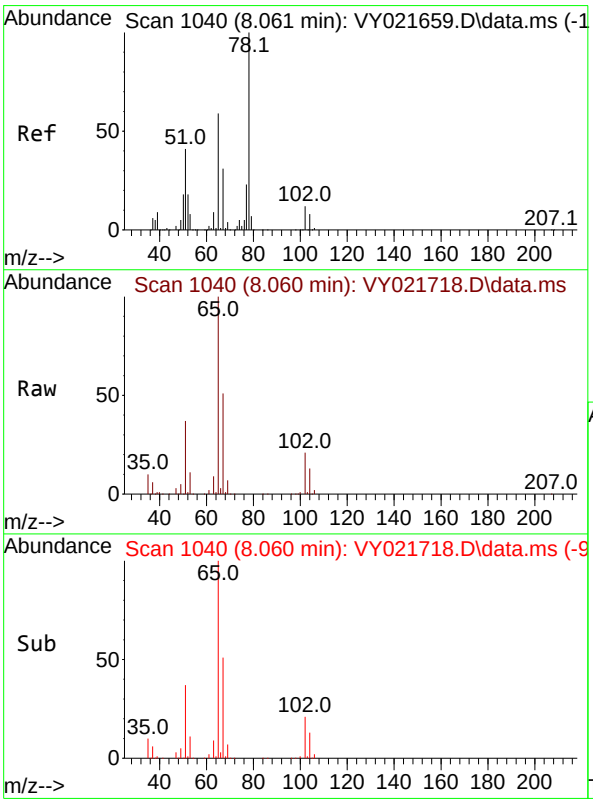
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion:168 Resp: 225152

Ion	Ratio	Lower	Upper
168	100		
99	53.0	46.7	70.1

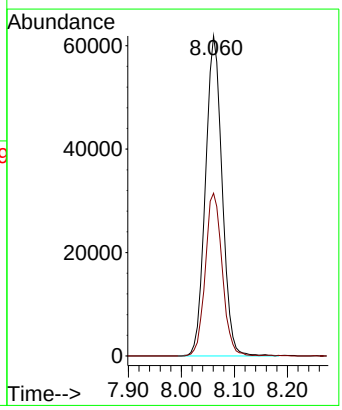


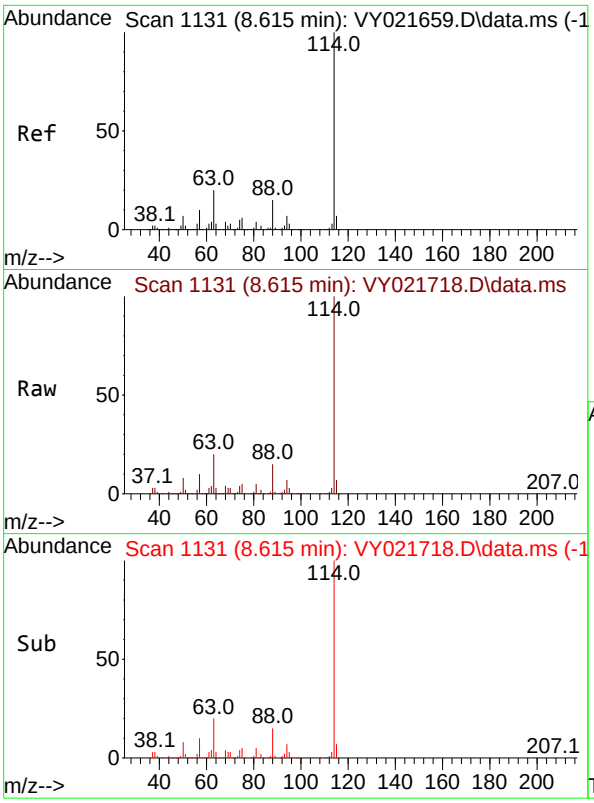


#33
1,2-Dichloroethane-d4
Concen: 55.438 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 65 Resp: 135238

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6



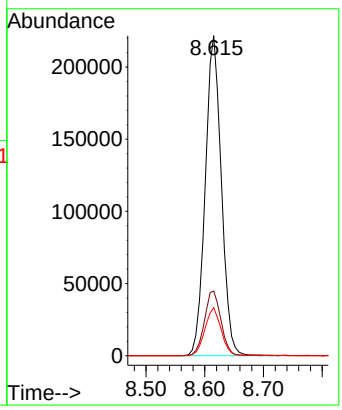


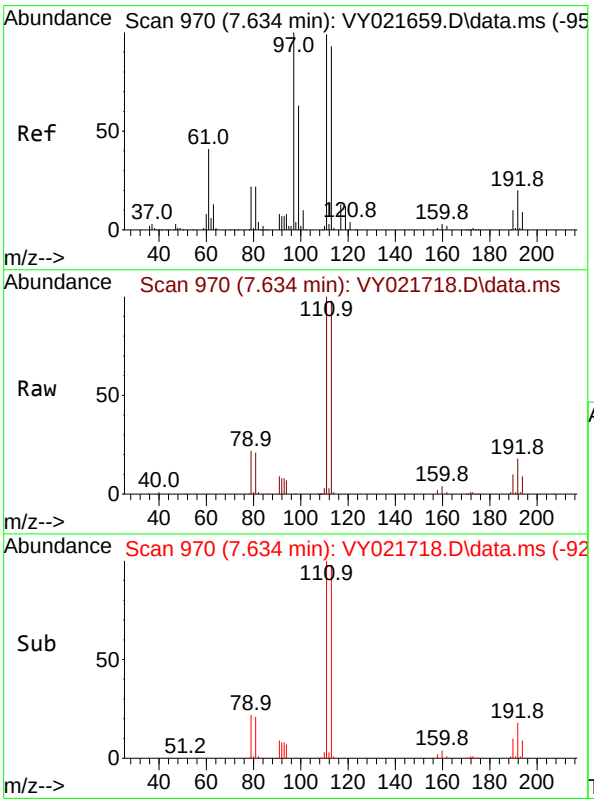
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion:114 Resp: 422046

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	15.0	0.0	29.8

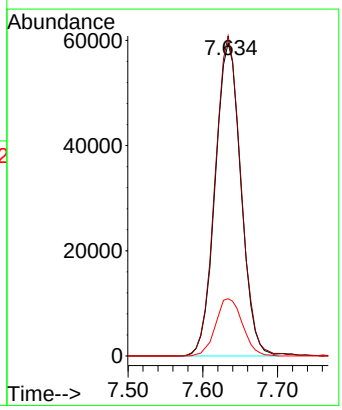


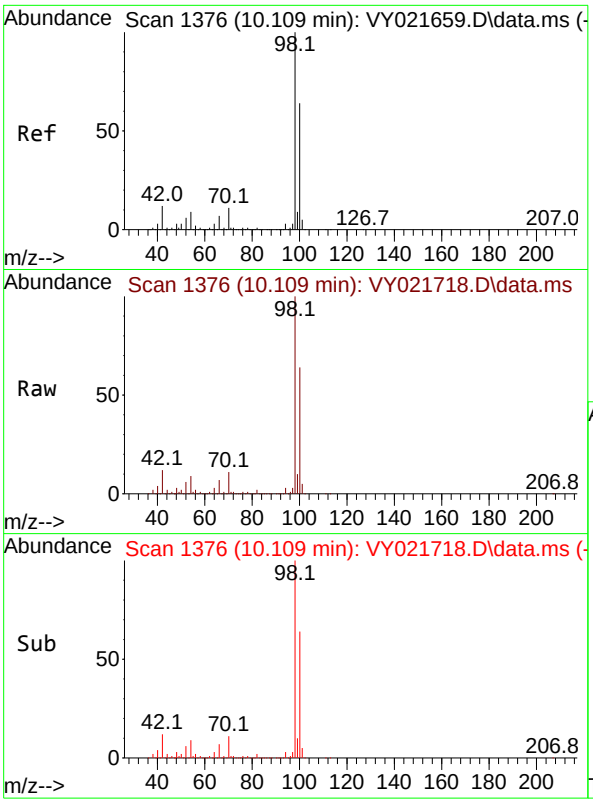


#35
Dibromofluoromethane
Concen: 52.027 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion:113 Resp: 142437

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	19.1	16.2	24.4



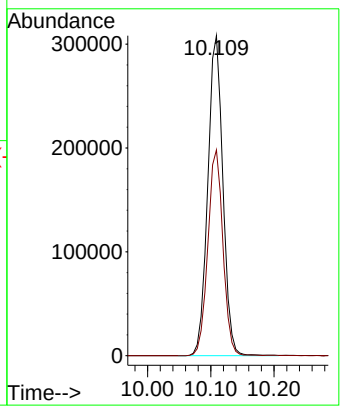


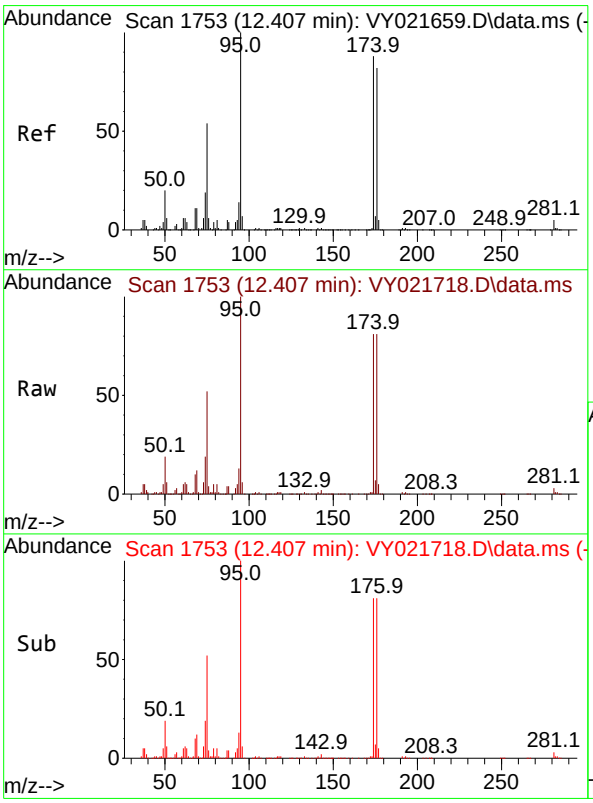
#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion: 98 Resp: 510650

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

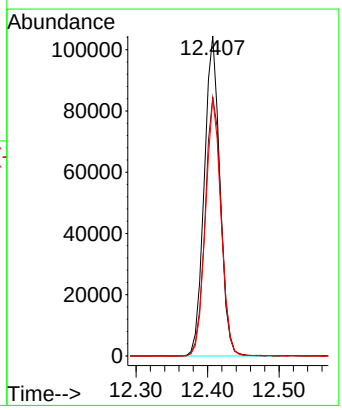


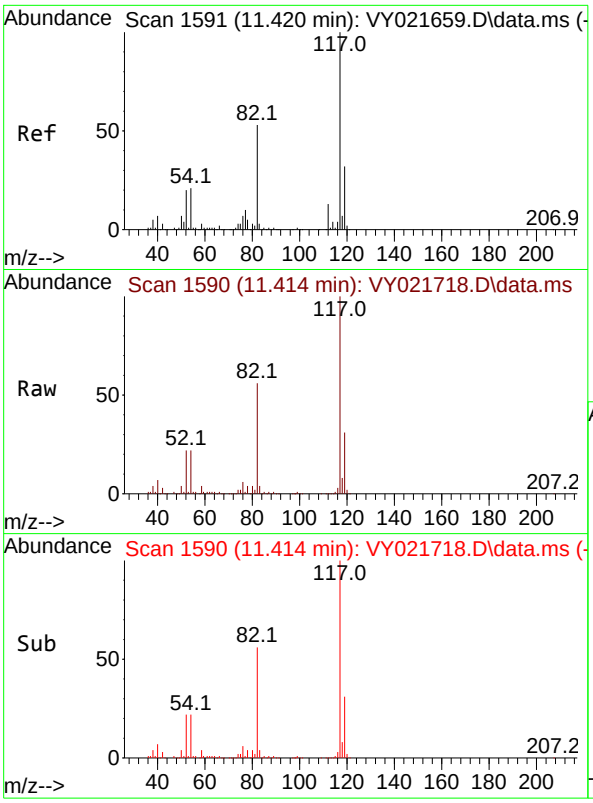


#62
4-Bromofluorobenzene
Concen: 45.039 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 95 Resp: 158668

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.8
176	79.6	0.0	162.0



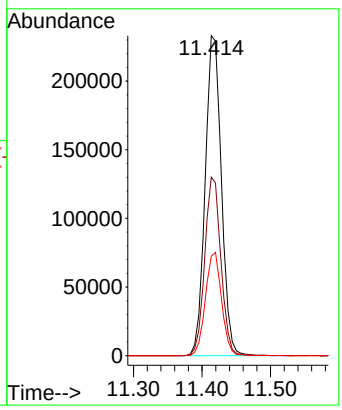


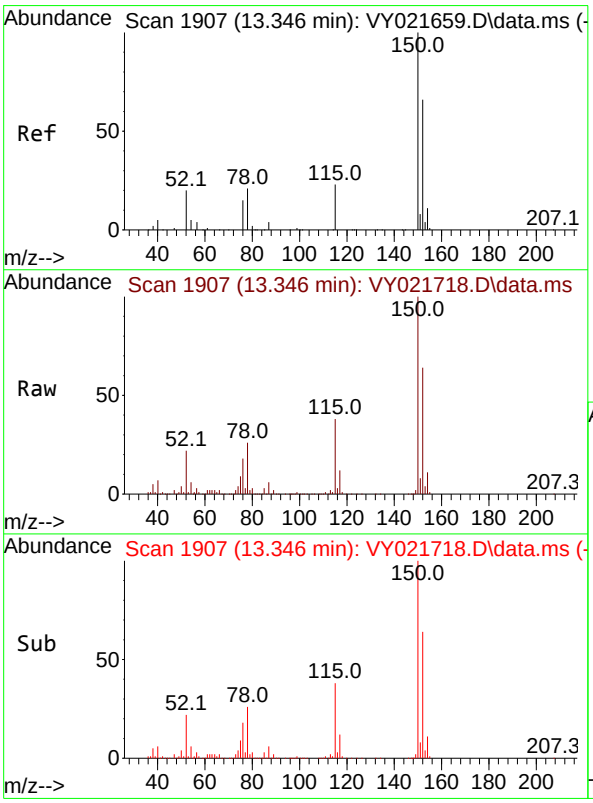
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion:117 Resp: 384322

Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.8	64.2
119	31.1	25.7	38.5

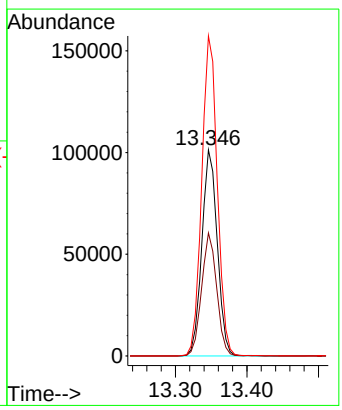




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion:152 Resp: 151796

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	156.6	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	2.488	119	126	134	rBV	4007	13965	1.02%	0.198%
2	4.616	466	475	485	rBV3	6315	18440	1.35%	0.261%
3	7.634	955	970	976	rBV	202362	485803	35.45%	6.871%
4	7.707	976	982	996	rVB	299589	681948	49.76%	9.645%
5	8.060	1030	1040	1052	rBV	177184	381881	27.86%	5.401%
6	8.615	1122	1131	1144	rBV	523561	1005200	73.34%	14.217%
7	10.109	1367	1376	1384	rBV	817336	1370519	100.00%	19.383%
8	11.414	1583	1590	1604	rBV	727704	1204691	87.90%	17.038%
9	12.407	1744	1753	1765	rBV	549252	869922	63.47%	12.303%
10	13.346	1896	1907	1917	rBV	631178	948902	69.24%	13.420%
11	13.889	1987	1996	2003	rBV2	53877	89340	6.52%	1.264%

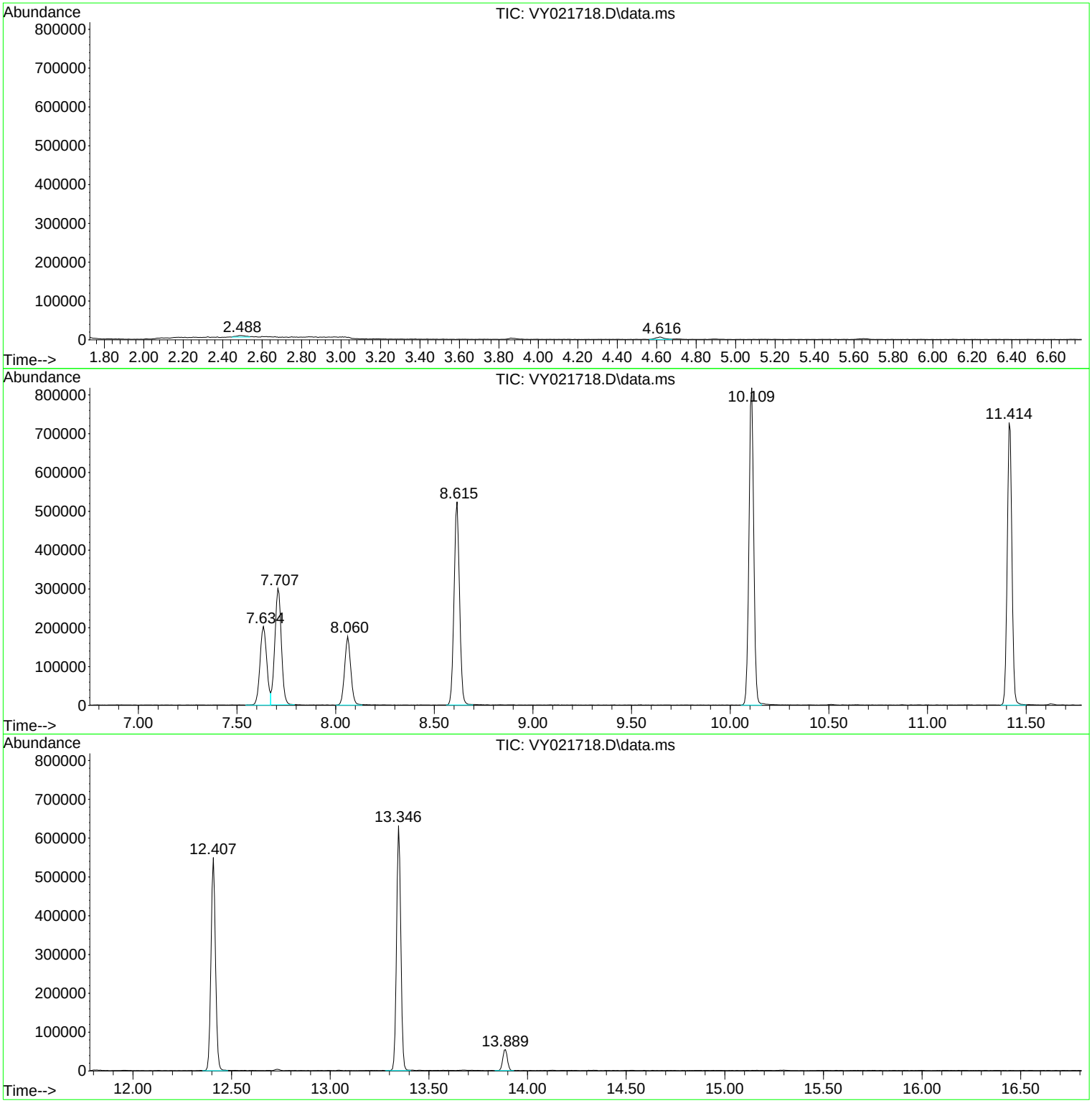
Sum of corrected areas: 7070611

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Apr 01 05:37:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	223306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126112	52.124	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.634	113	138218	51.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.109	98	501186	48.769	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.540%			
62) 4-Bromofluorobenzene	12.408	95	131805	37.918	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.840%			

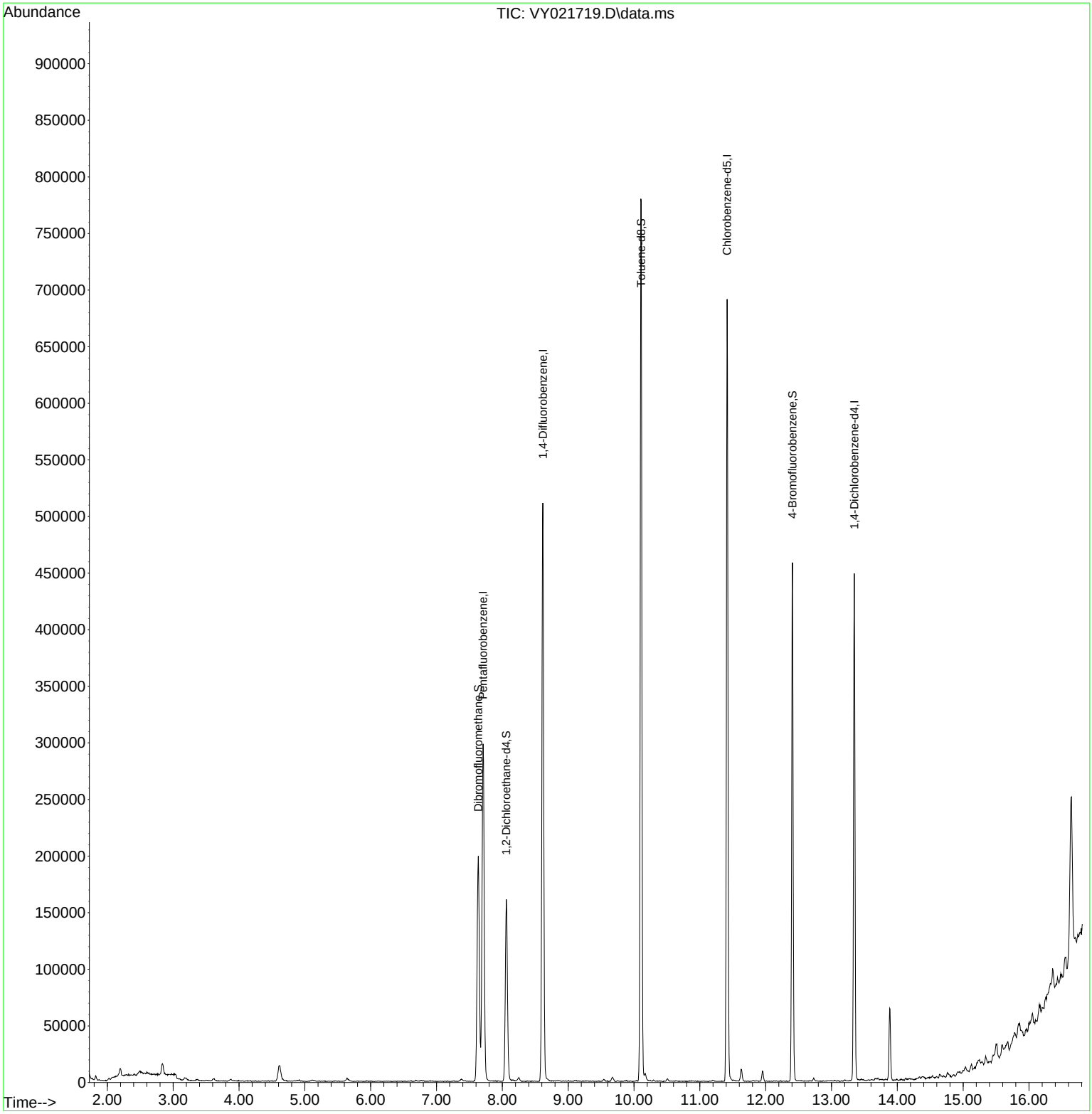
Target Compounds Qvalue

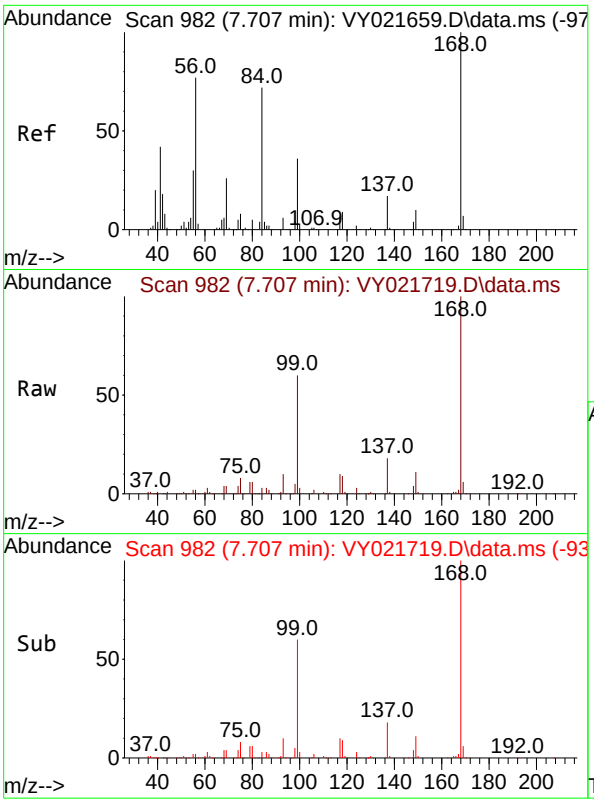
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Apr 01 05:37:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



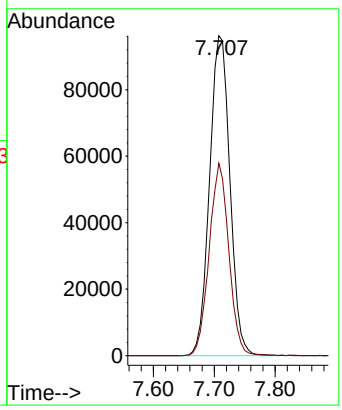


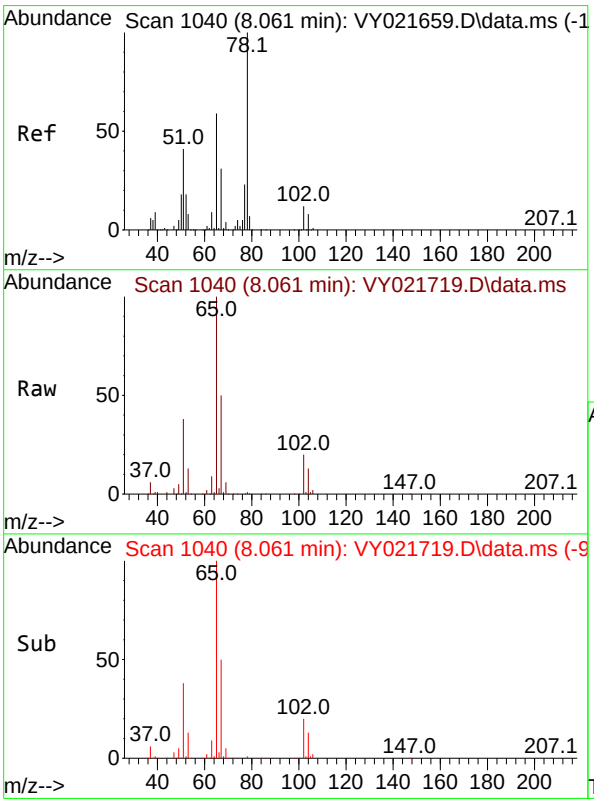
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:168 Resp: 223306

Ion	Ratio	Lower	Upper
168	100		
99	60.1	46.7	70.1

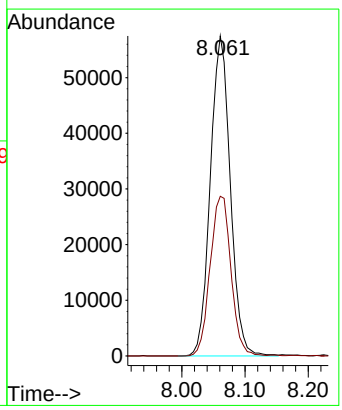


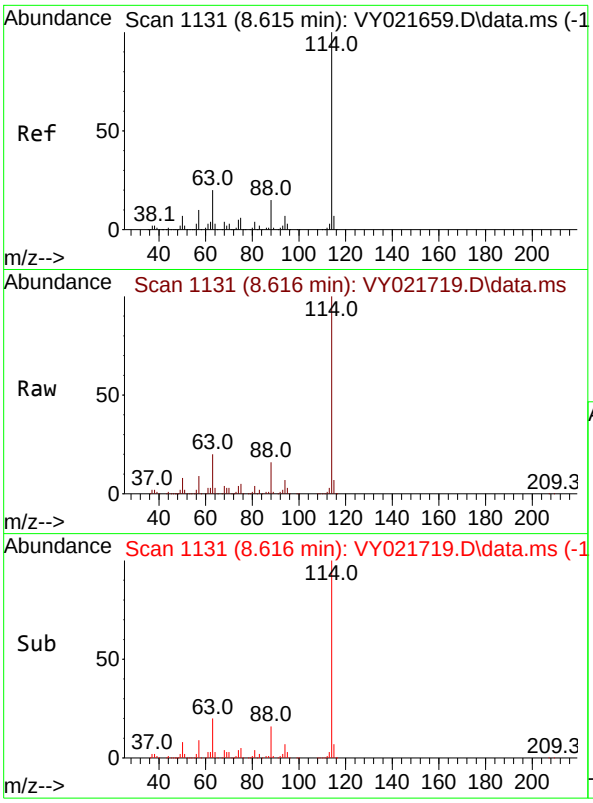


#33
1,2-Dichloroethane-d4
Concen: 52.124 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion: 65 Resp: 126112

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6



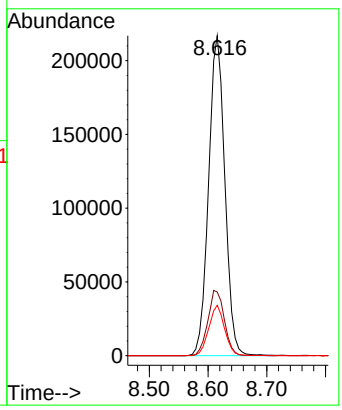


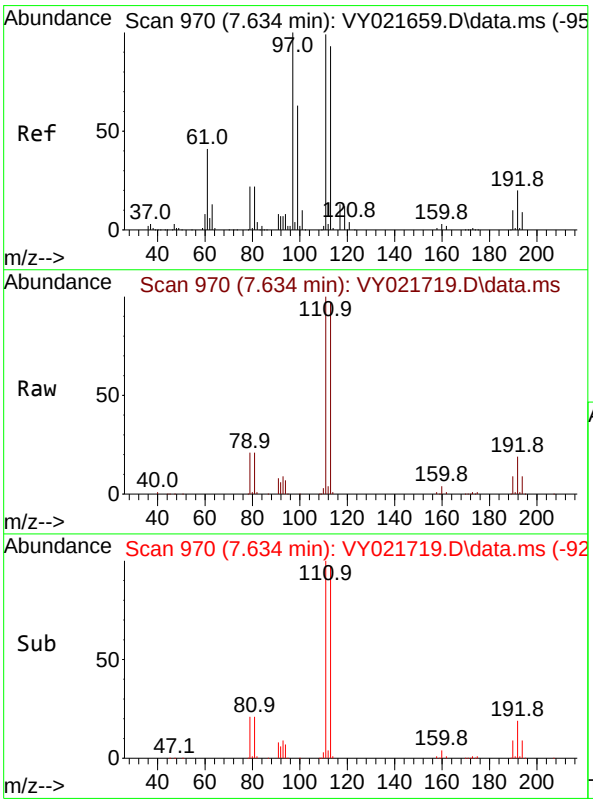
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:114 Resp: 416437

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.2
88	15.8	0.0	29.8

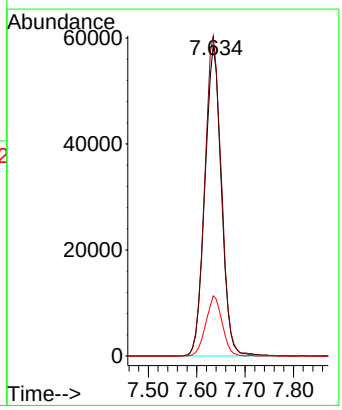


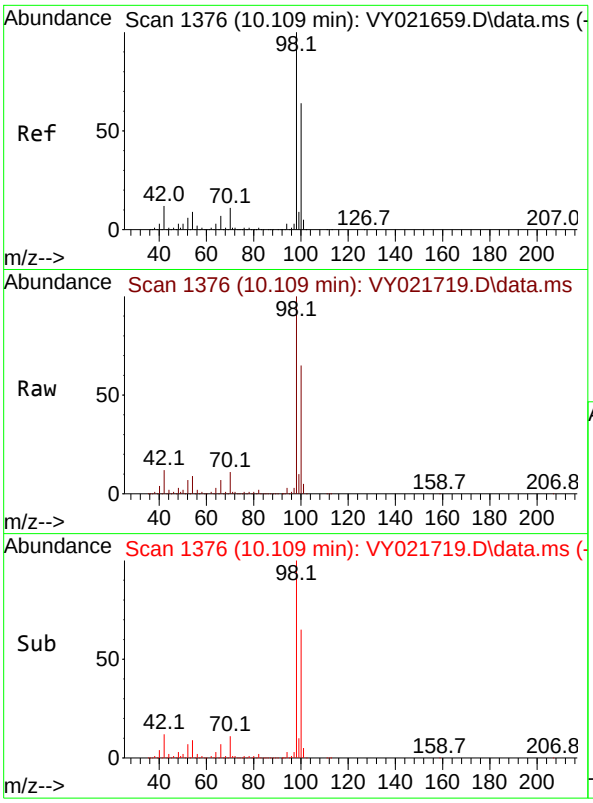


#35
Dibromofluoromethane
Concen: 51.166 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion:113 Resp: 138218

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	123.8
192	19.2	16.2	24.4



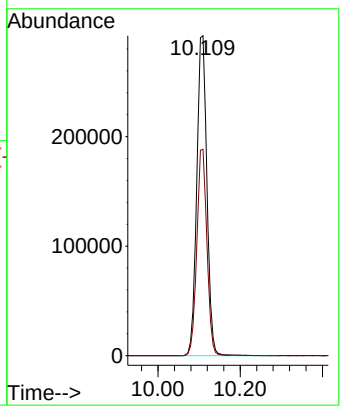


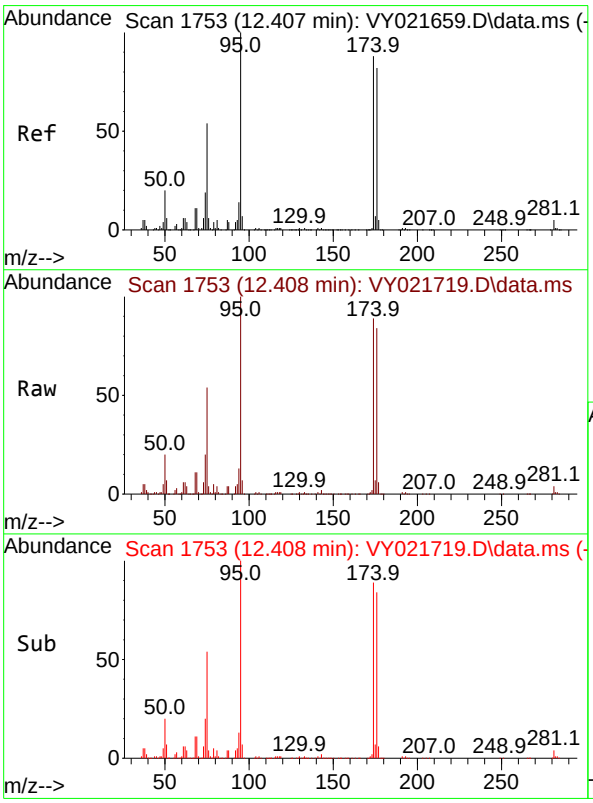
#50
Toluene-d8
Concen: 48.769 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion: 98 Resp: 501186

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1

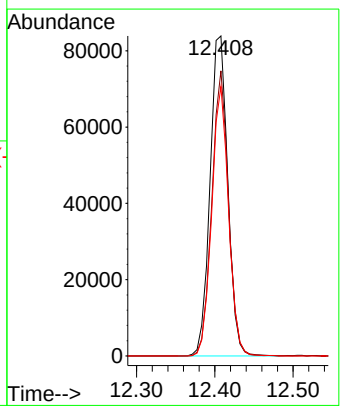


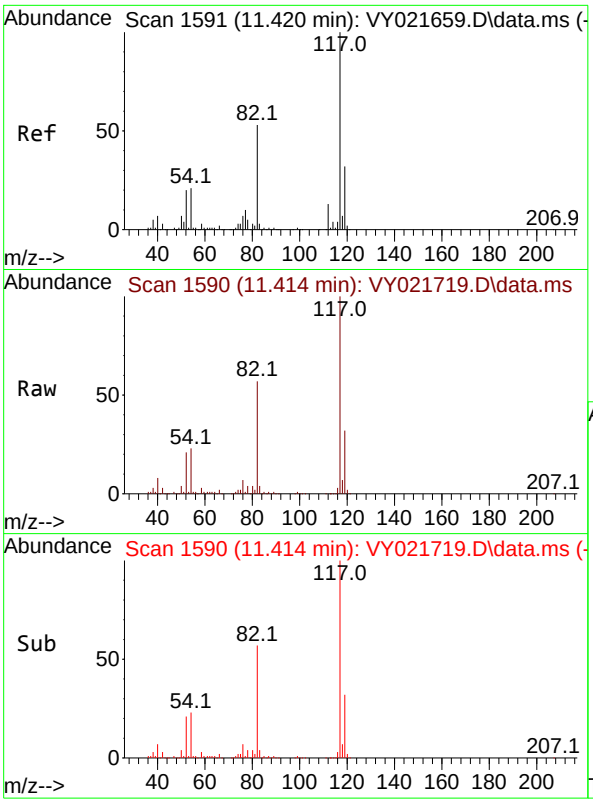


#62
4-Bromofluorobenzene
Concen: 37.918 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion: 95 Resp: 131805

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	79.9	0.0	162.0



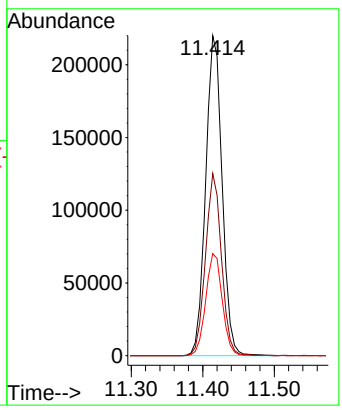


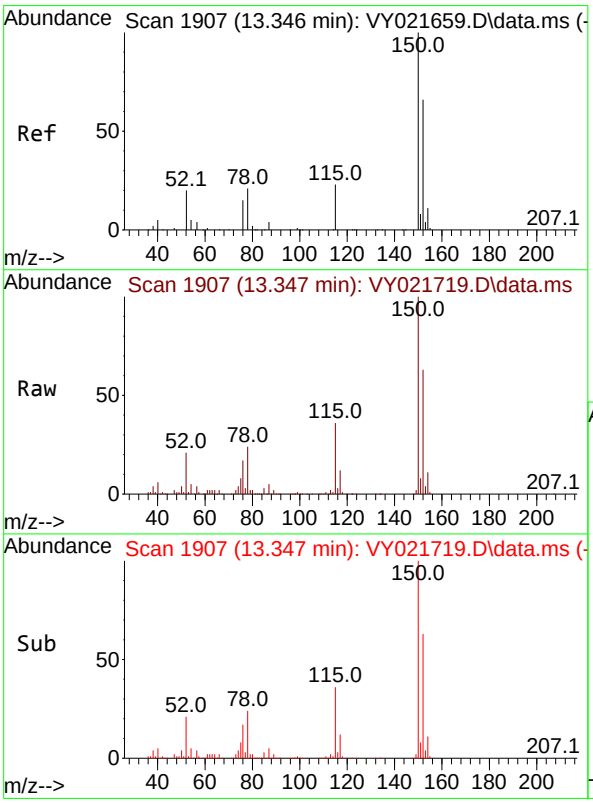
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:117 Resp: 350907

Ion	Ratio	Lower	Upper
117	100		
82	57.0	42.8	64.2
119	31.9	25.7	38.5

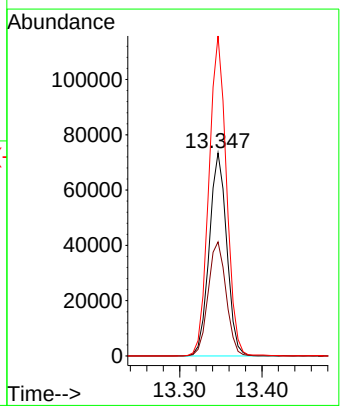




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion:152 Resp: 108429

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	158.4	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021719.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.836	178	183	188	rBV3	9155	18231	1.36%	0.261%
2	4.616	464	475	482	rBV2	13936	43228	3.22%	0.618%
3	7.634	958	970	976	rBV	199111	474842	35.43%	6.790%
4	7.707	976	982	998	rVB	297761	681408	50.84%	9.744%
5	8.061	1029	1040	1052	rBV	160679	363231	27.10%	5.194%
6	8.616	1119	1131	1147	rBV	511164	998708	74.51%	14.281%
7	10.103	1367	1375	1383	rBV	779519	1340409	100.00%	19.167%
8	11.414	1583	1590	1604	rBV	690926	1107955	82.66%	15.843%
9	11.627	1619	1625	1633	rVB3	10728	20864	1.56%	0.298%
10	11.950	1673	1678	1684	rVB	9231	15807	1.18%	0.226%
11	12.408	1744	1753	1764	rBV	458363	724756	54.07%	10.363%
12	13.347	1898	1907	1915	rBV	448193	678030	50.58%	9.695%
13	13.883	1989	1995	2002	rVB2	63615	105483	7.87%	1.508%
14	15.511	2249	2262	2268	rBV2	15046	50096	3.74%	0.716%
15	15.590	2272	2275	2279	rBV6	8741	15919	1.19%	0.228%
16	16.645	2441	2448	2456	rBV3	136087	354466	26.44%	5.069%

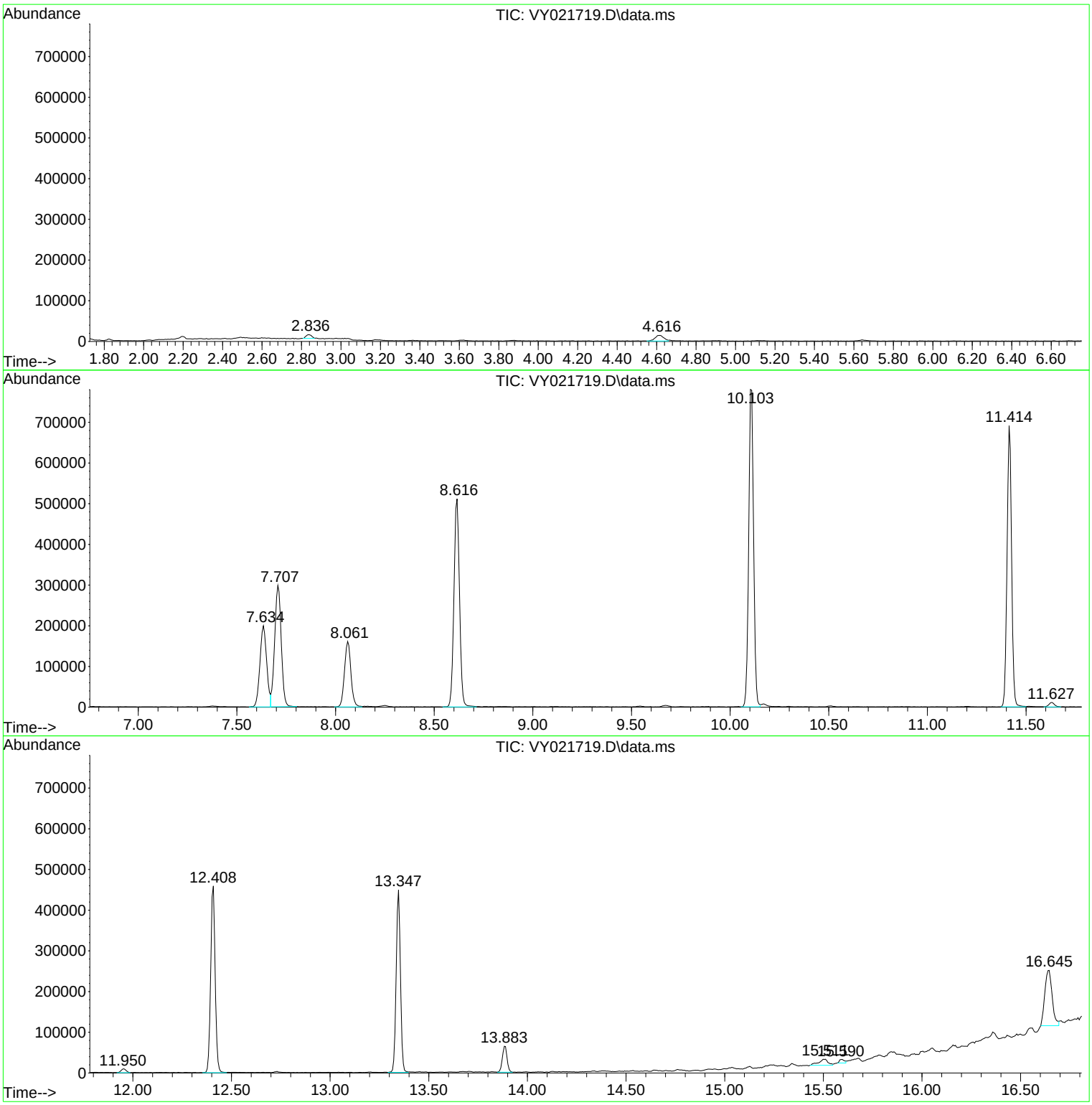
Sum of corrected areas: 6993433

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

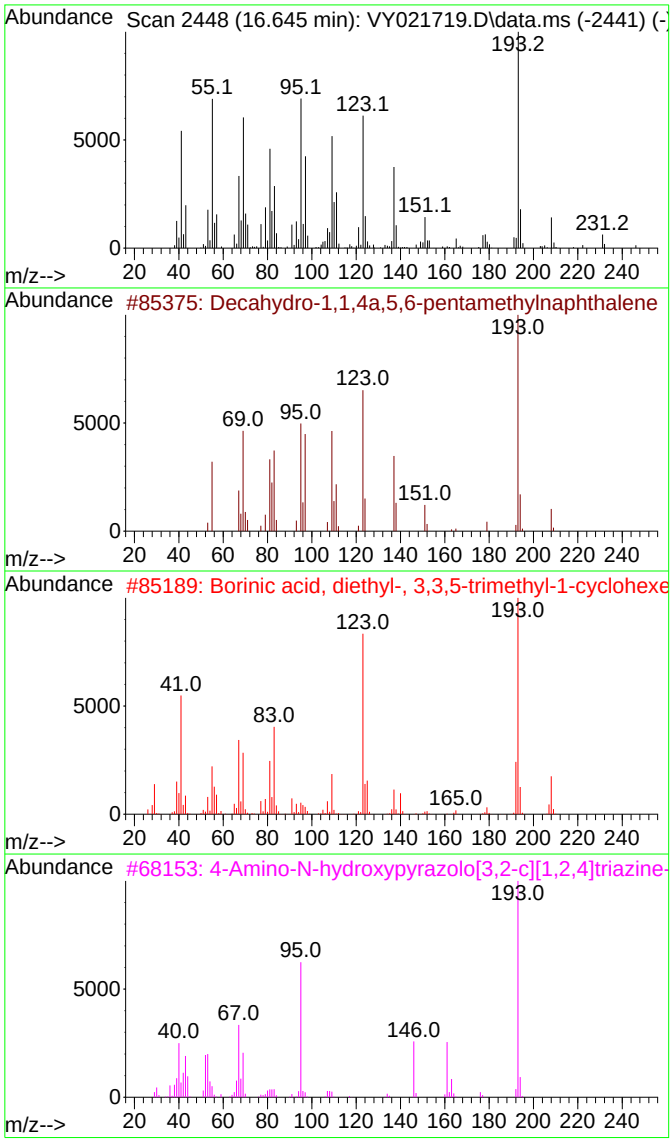
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

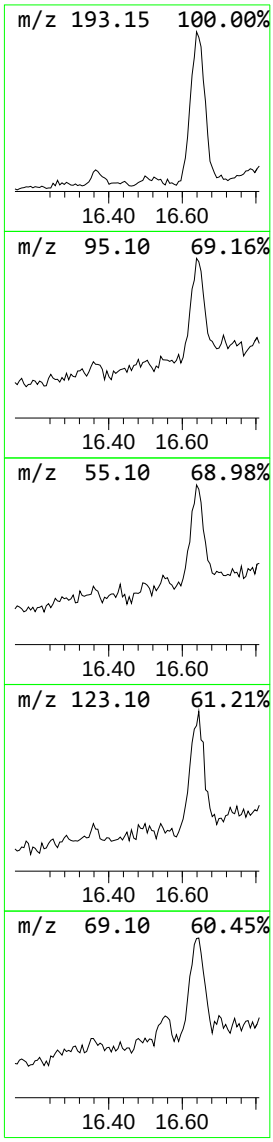
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	26.14 ug/l	354466	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	98
2	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	43
3	4-Amino-N-hydroxypyrazolo[3,2-c]...	193	C6H7N7O	1000443-50-2	30
4	Benzenamine, 4-(hexyloxy)-	193	C12H19NO	039905-57-2	22
5	4-Isopropylphenol, TMS derivative	208	C12H20OSi	1000373-17-4	20





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decahydro-1,1,4...	16.645	26.1	ug/l	354466	4	13.347	678030	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Time: Apr 01 05:37:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

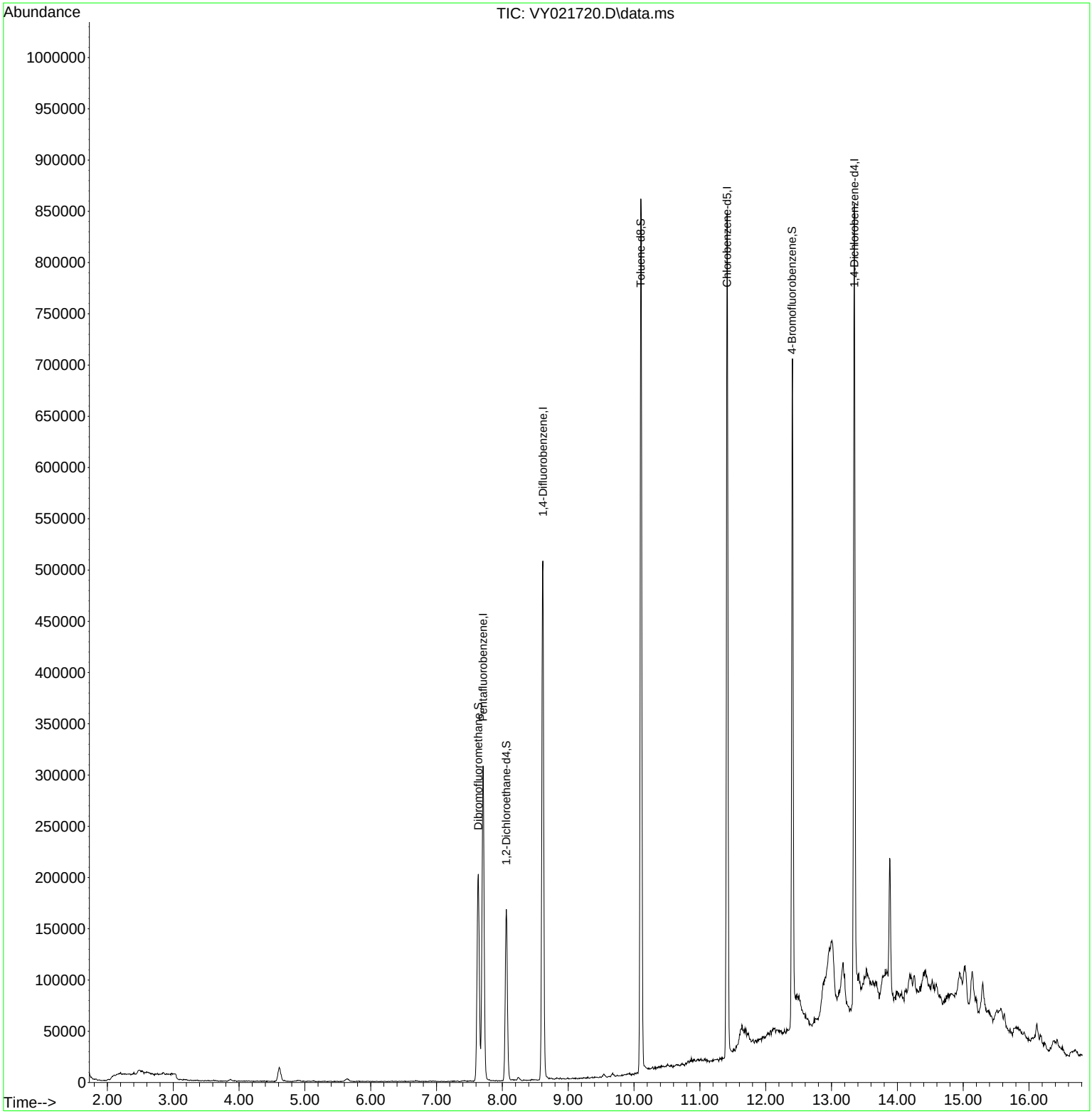
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	224475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	430734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133957	55.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.160%			
35) Dibromofluoromethane	7.634	113	141873	50.776	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.560%			
50) Toluene-d8	10.103	98	547563	51.513	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.401	95	199630	55.523	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.040%			
Target Compounds						Qvalue

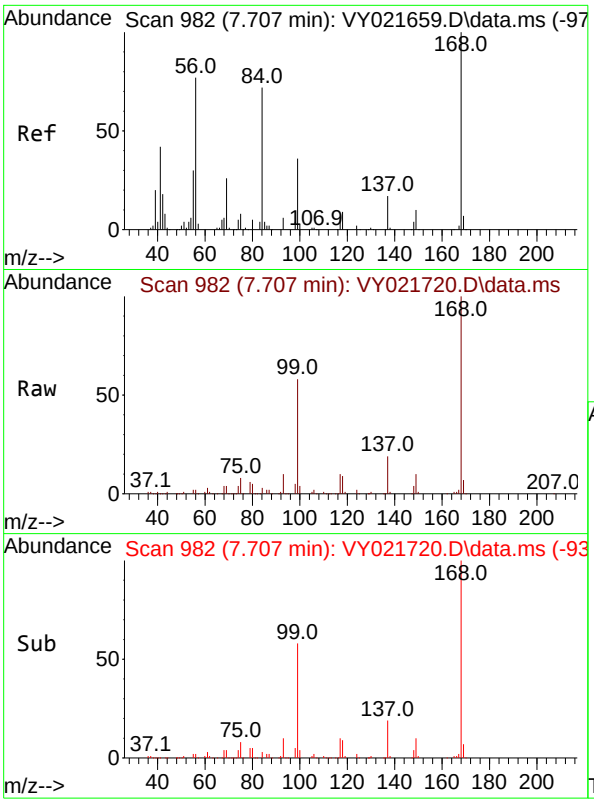
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Time: Apr 01 05:37:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



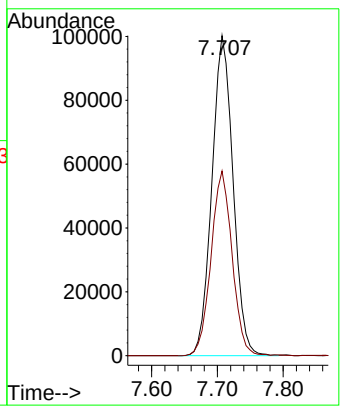


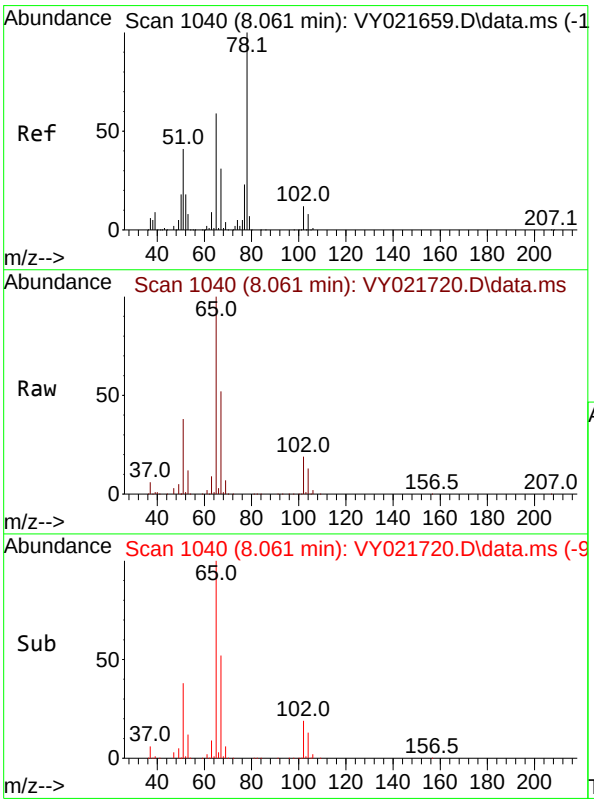
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion:168 Resp: 224475

Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.7	70.1

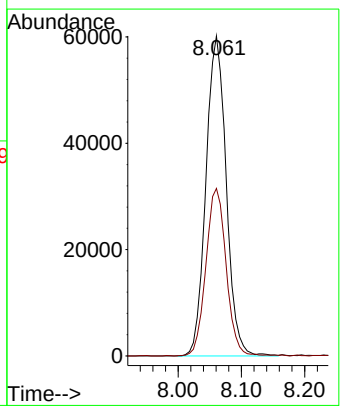


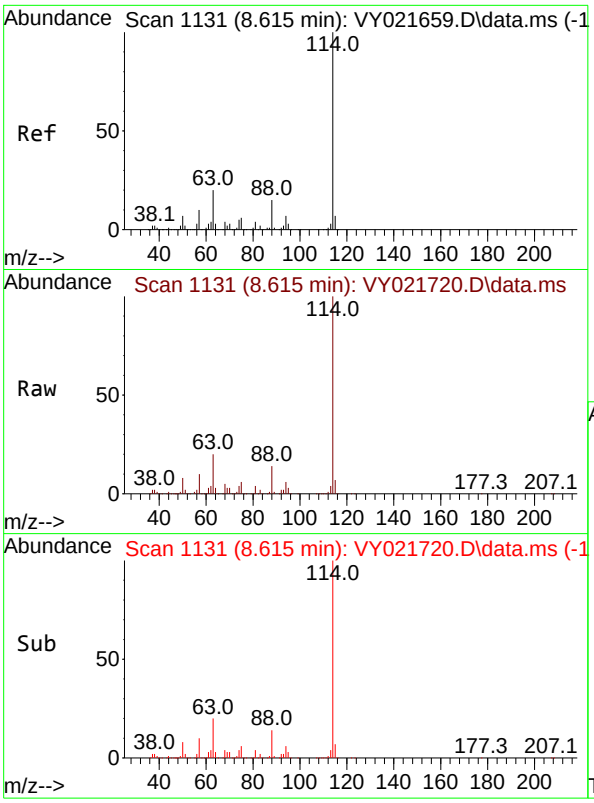


#33
1,2-Dichloroethane-d4
Concen: 55.078 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 65 Resp: 133957

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



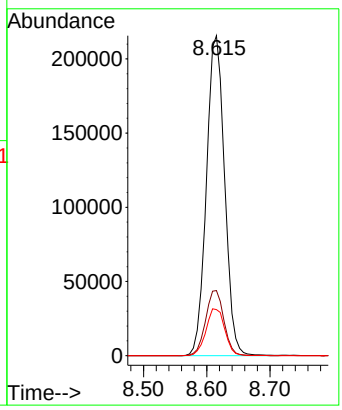


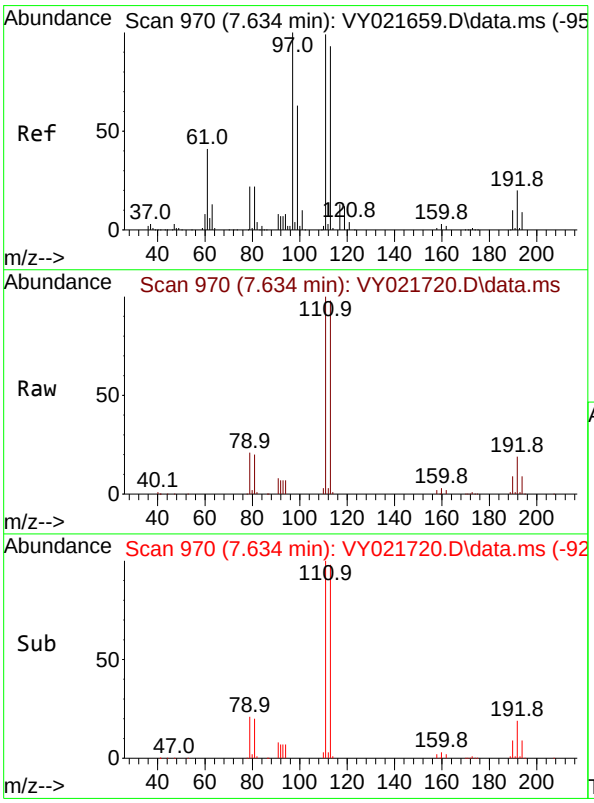
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion:114 Resp: 430734

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	14.4	0.0	29.8

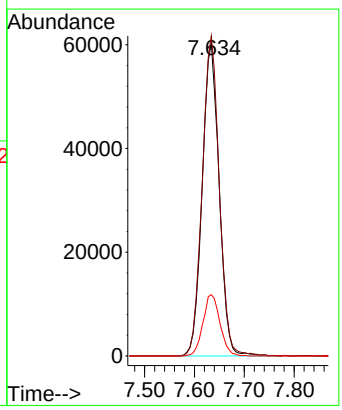


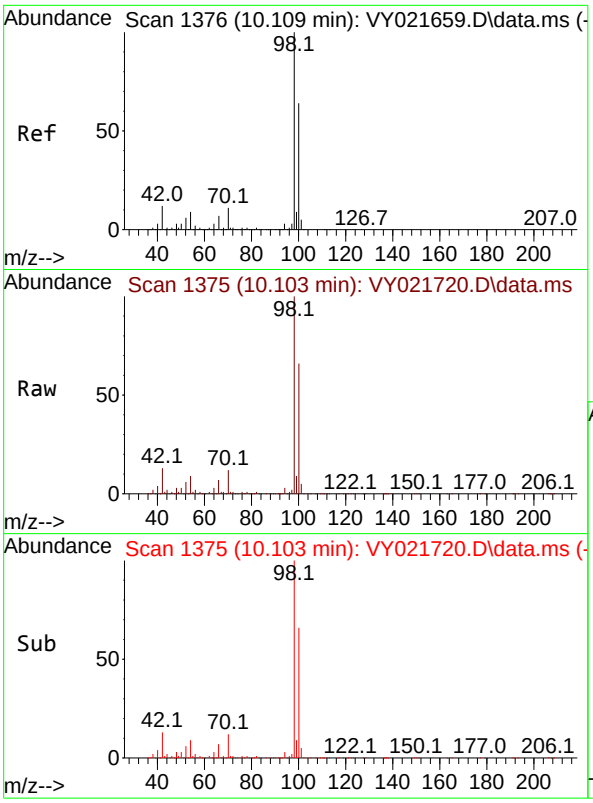


#35
Dibromofluoromethane
Concen: 50.776 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion:113 Resp: 141873

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	19.8	16.2	24.4



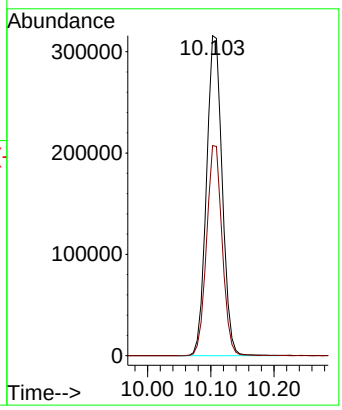


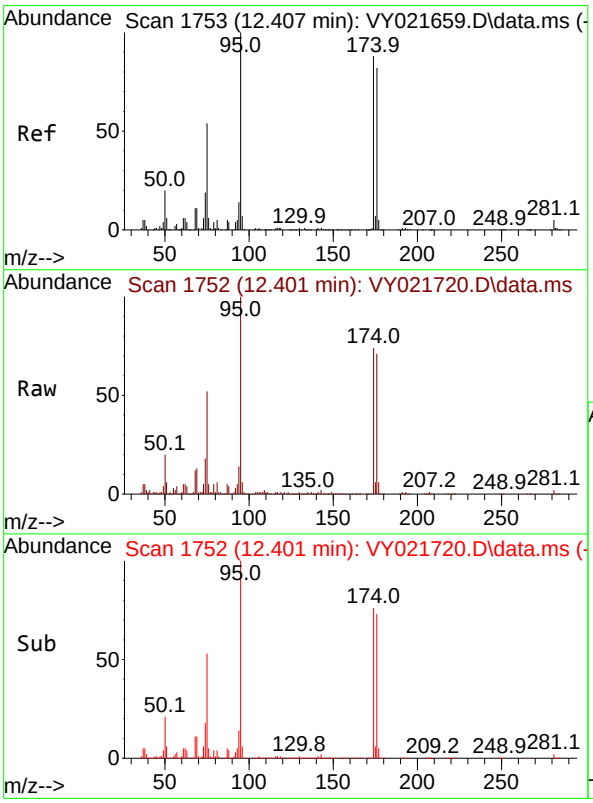
#50
Toluene-d8
Concen: 51.513 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion: 98 Resp: 547563

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

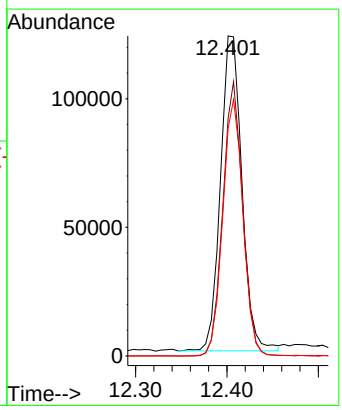


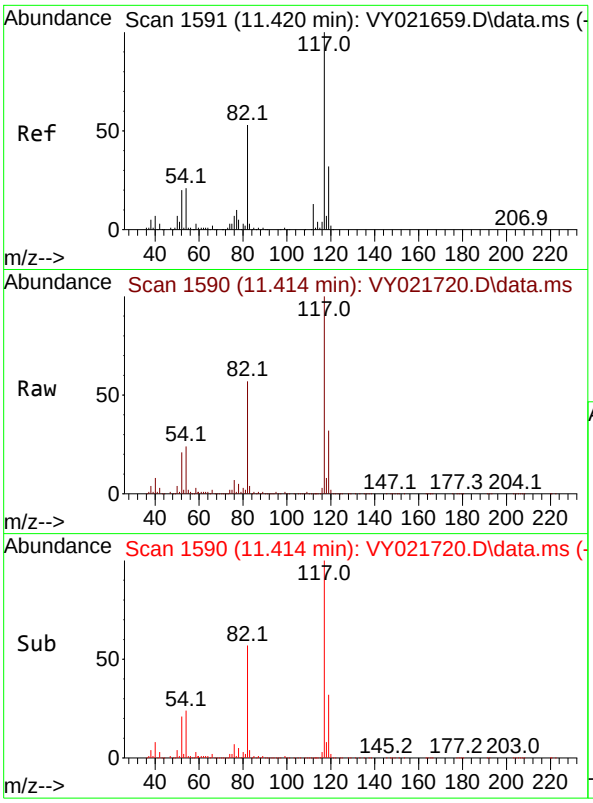


#62
4-Bromofluorobenzene
Concen: 55.523 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 95 Resp: 199630

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	170.8
176	77.0	0.0	162.0



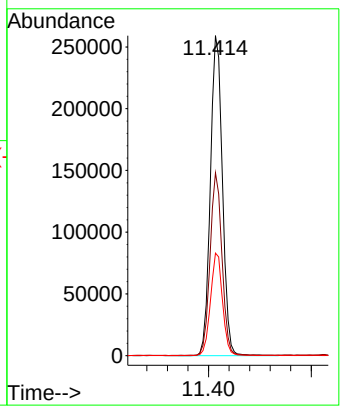


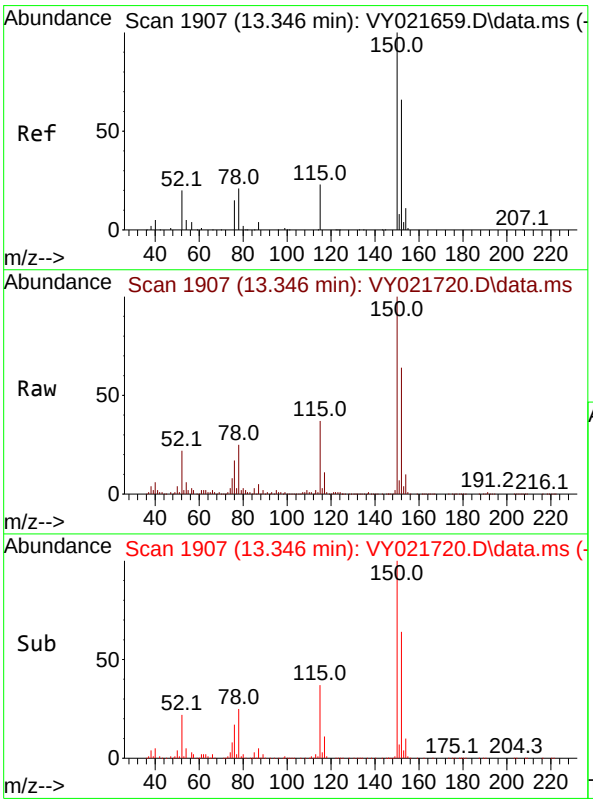
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion:117 Resp: 421727

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.8	64.2
119	32.0	25.7	38.5

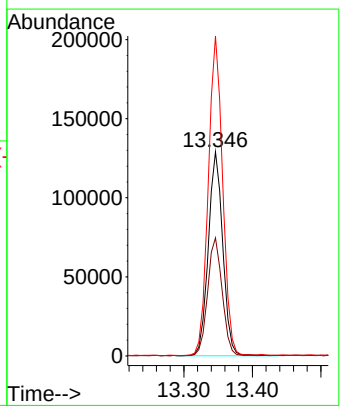




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion:152 Resp: 189318

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	155.2	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	466	474	485	rVB2	13173	38727	2.61%	0.482%
2	7.634	958	970	976	rBV	202163	489029	33.00%	6.088%
3	7.707	976	982	996	rVB	306826	683188	46.10%	8.505%
4	8.061	1031	1040	1052	rBV	167460	379113	25.58%	4.719%
5	8.615	1121	1131	1141	rBV	506513	1026333	69.25%	12.776%
6	10.103	1368	1375	1383	rBV	853531	1482083	100.00%	18.450%
7	11.414	1583	1590	1601	rBV	824717	1344846	90.74%	16.741%
8	12.407	1747	1753	1760	rBV	651974	1083714	73.12%	13.491%
9	13.346	1901	1907	1914	rBV	781522	1206554	81.41%	15.020%
10	13.883	1991	1995	2002	rVB2	133512	232078	15.66%	2.889%
11	15.139	2196	2201	2208	rVB10	28737	67387	4.55%	0.839%

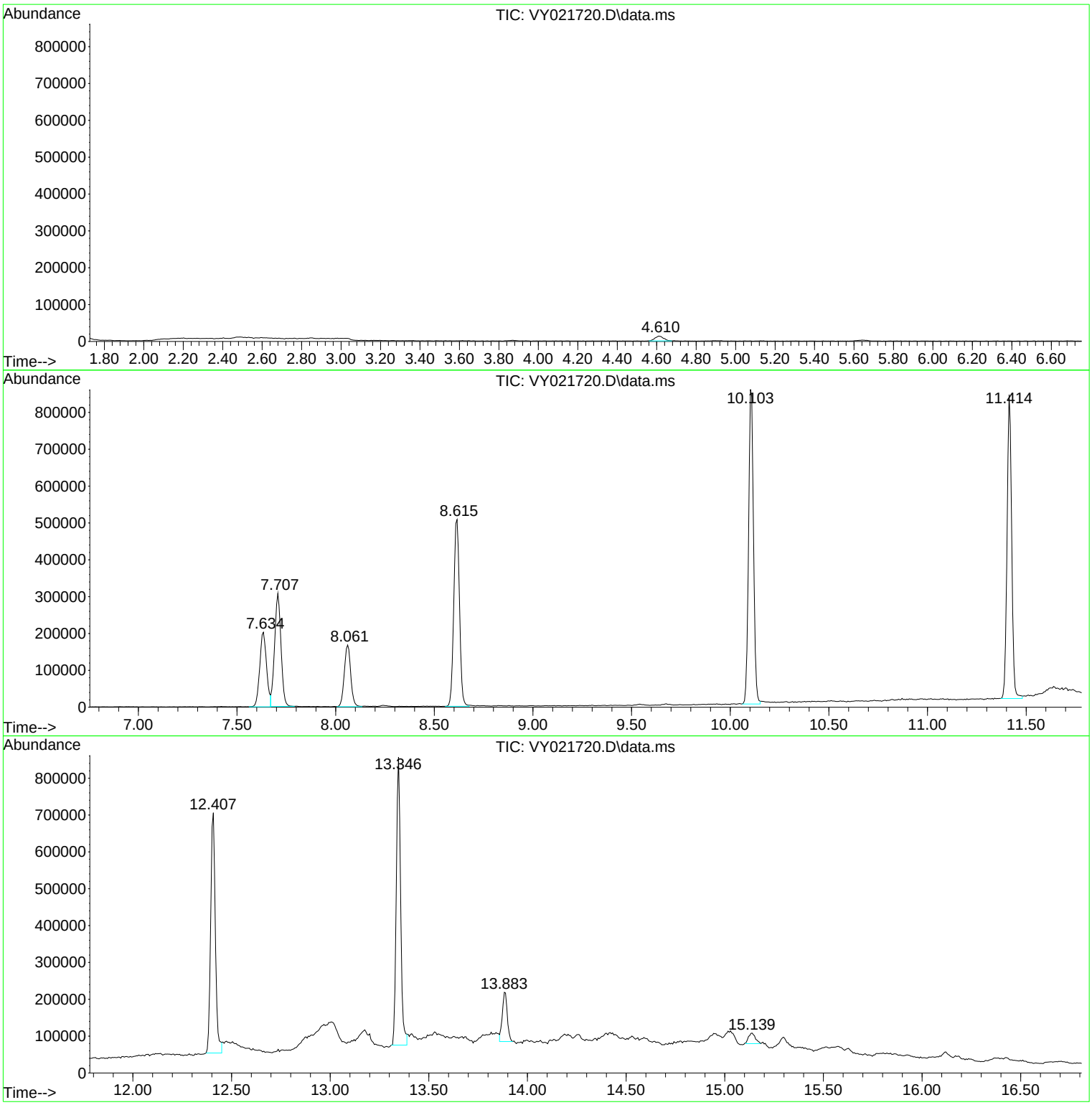
Sum of corrected areas: 8033052

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Time: Apr 01 05:38:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	454127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141630	54.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.380%			
35) Dibromofluoromethane	7.634	113	149815	50.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.720%			
50) Toluene-d8	10.103	98	561423	50.096	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.408	95	190188	50.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.340%			

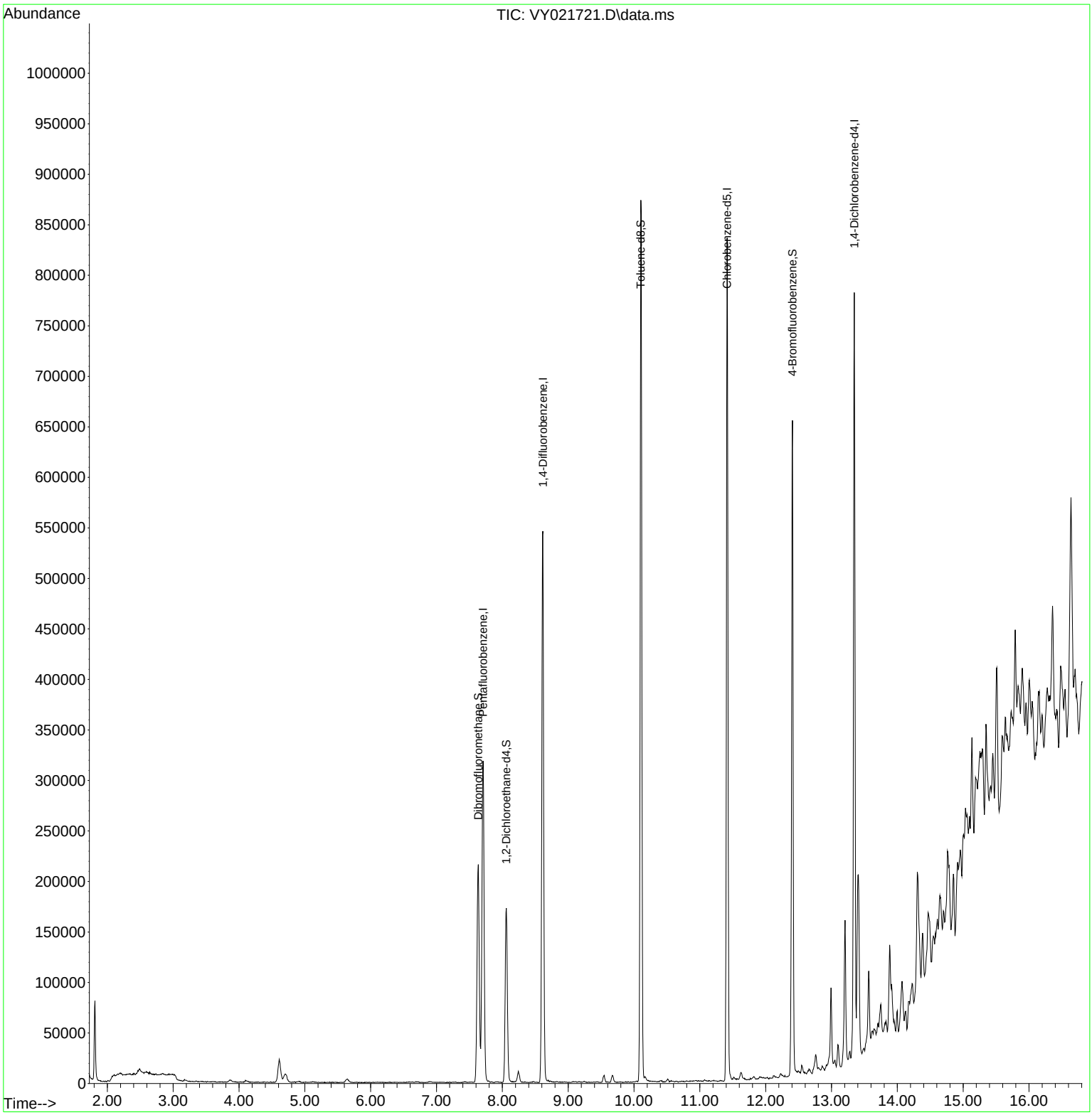
Target Compounds	Qvalue

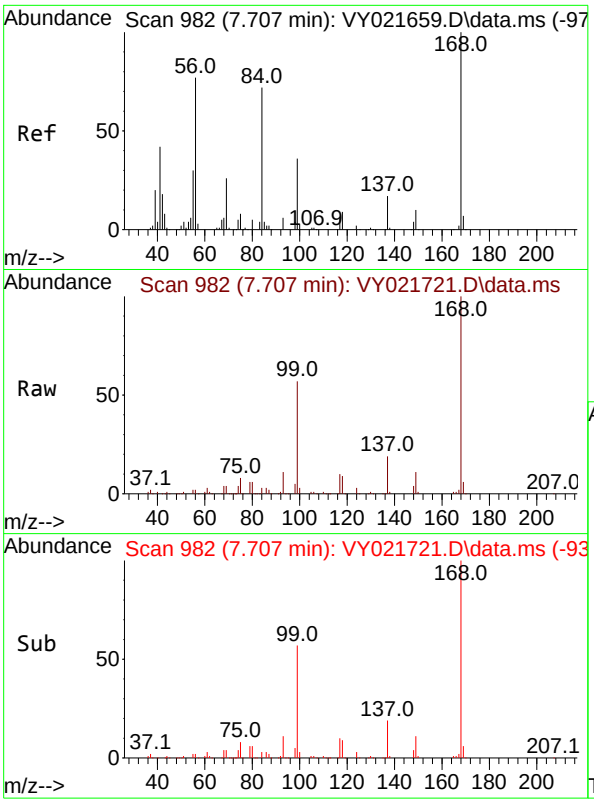
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Time: Apr 01 05:38:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



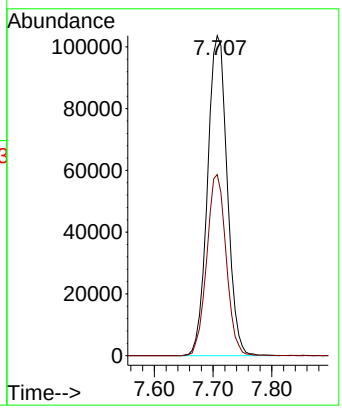


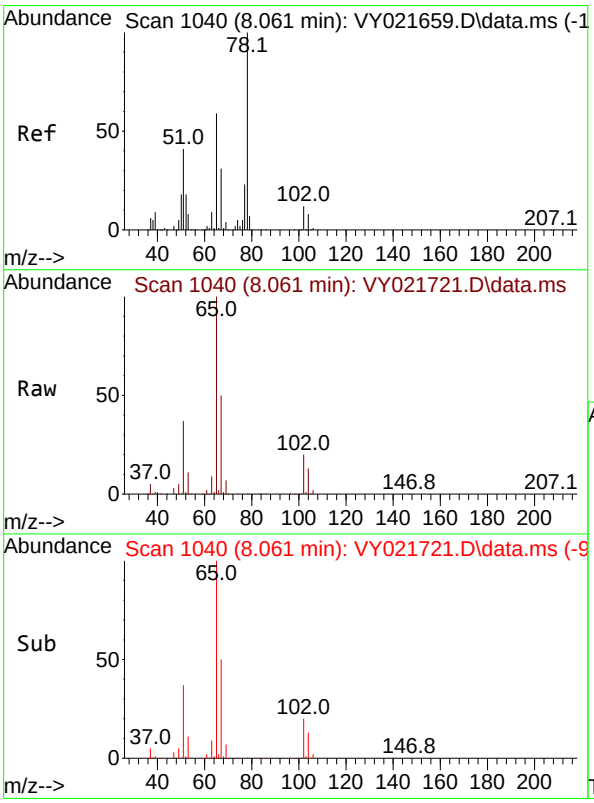
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion:168 Resp: 241201

Ion	Ratio	Lower	Upper
168	100		
99	56.6	46.7	70.1

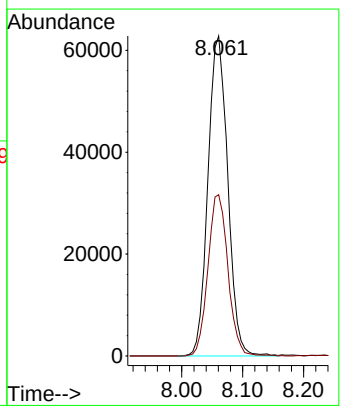


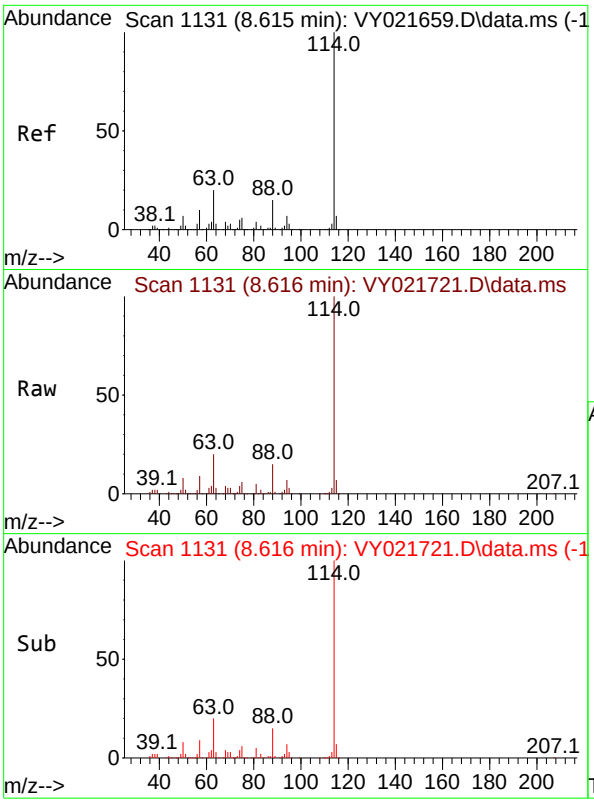


#33
1,2-Dichloroethane-d4
Concen: 54.195 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 65 Resp: 141630

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.6



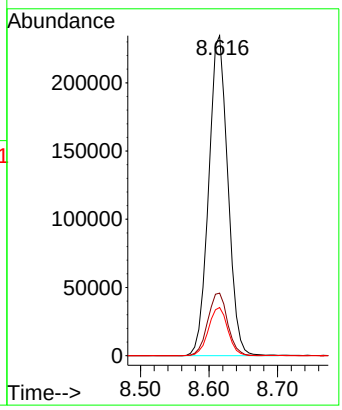


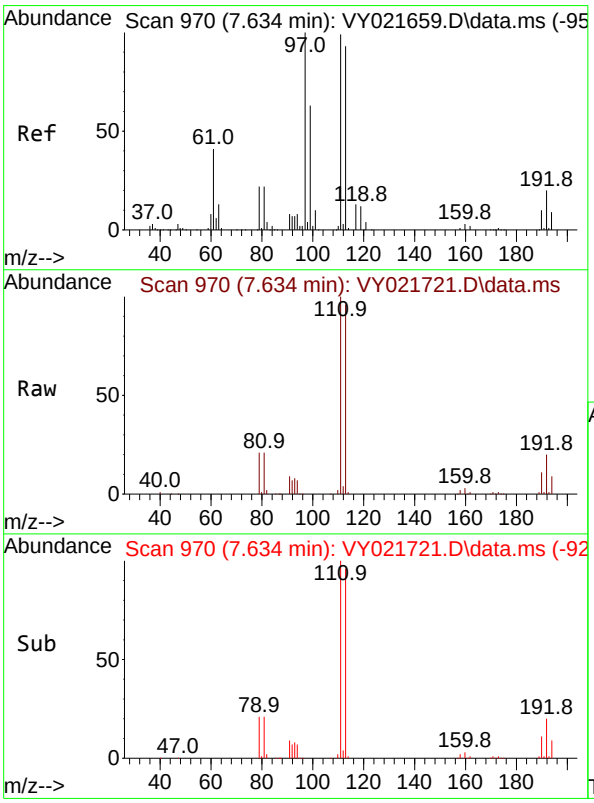
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion:114 Resp: 454127

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.2
88	15.0	0.0	29.8

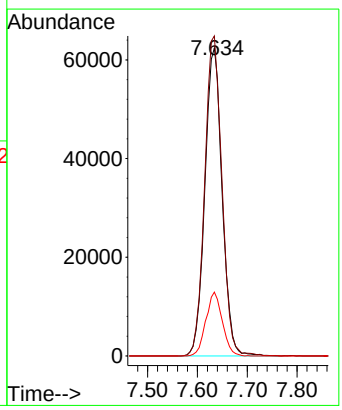


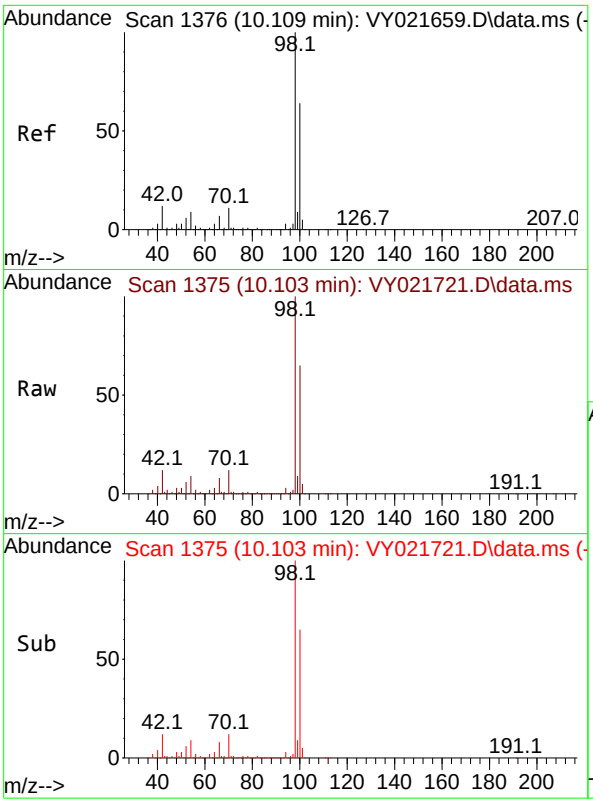


#35
Dibromofluoromethane
Concen: 50.856 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion:113 Resp: 149815

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	19.8	16.2	24.4



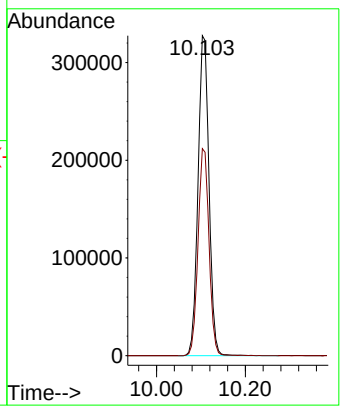


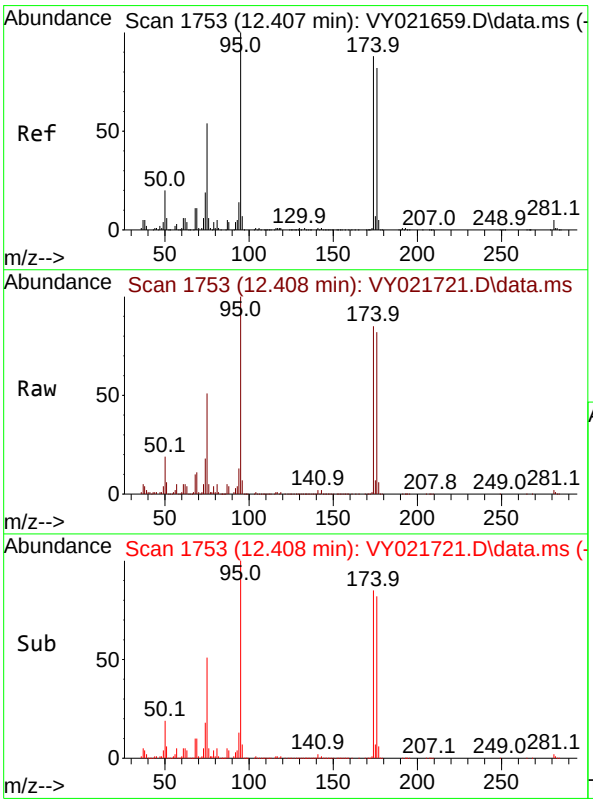
#50
Toluene-d8
Concen: 50.096 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion: 98 Resp: 561423

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

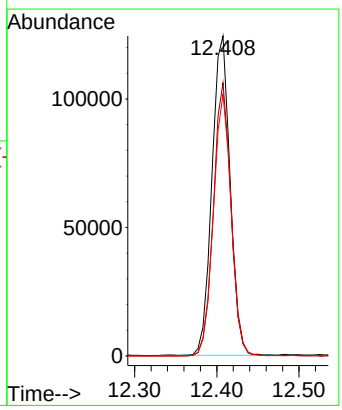


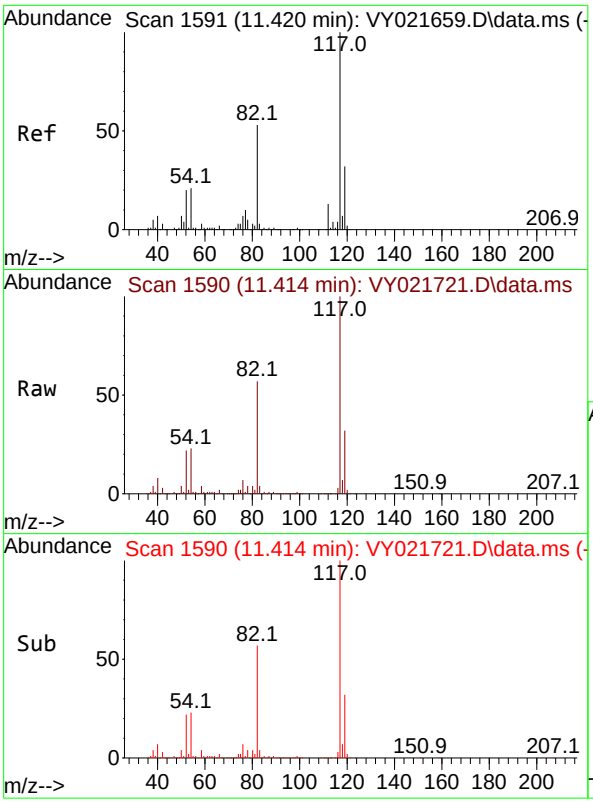


#62
4-Bromofluorobenzene
Concen: 50.172 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 95 Resp: 190188

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	80.3	0.0	162.0



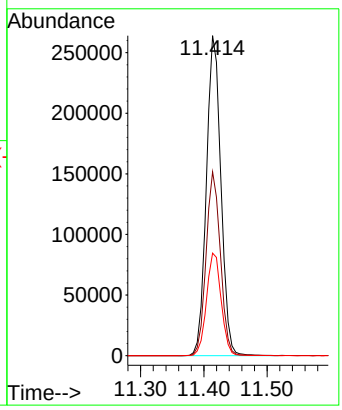


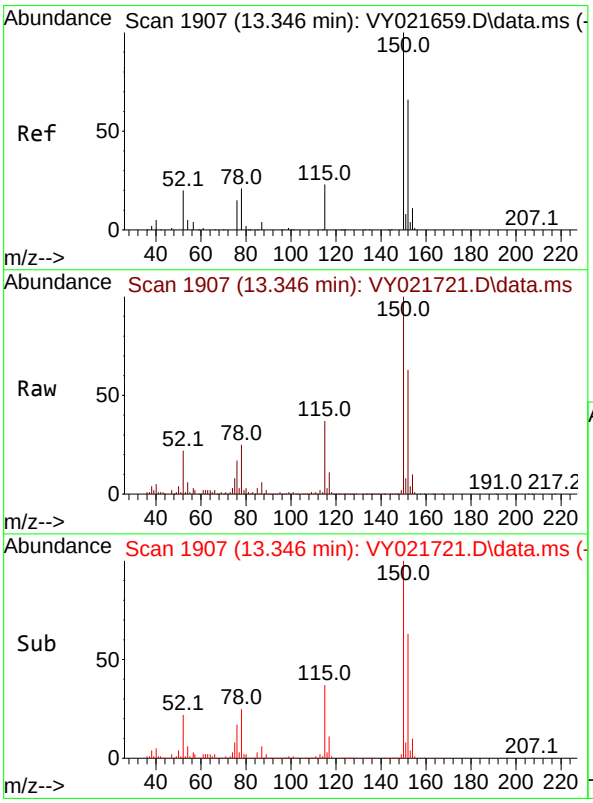
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion:117 Resp: 421197

Ion	Ratio	Lower	Upper
117	100		
82	57.4	42.8	64.2
119	32.0	25.7	38.5

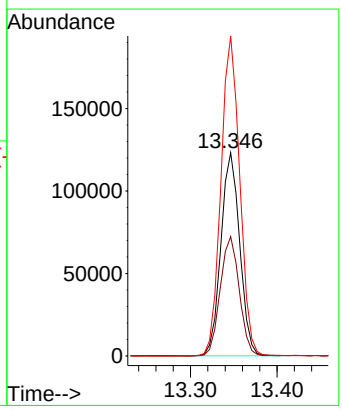




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion:152 Resp: 185708

Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.8	86.5
150	157.5	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021721.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	24	rVB	78807	106242	7.08%	0.953%
2	4.610	464	474	482	rBV2	22620	65654	4.37%	0.589%
3	4.702	482	489	501	rVB3	8039	29102	1.94%	0.261%
4	7.634	959	970	976	rBV	215613	515756	34.36%	4.628%
5	7.707	976	982	994	rVB	317257	722461	48.14%	6.483%
6	8.061	1029	1040	1051	rBV	172577	396757	26.44%	3.560%
7	8.244	1063	1070	1078	rVB	10773	24286	1.62%	0.218%
8	8.616	1120	1131	1142	rBV	545768	1081512	72.06%	9.705%
9	10.103	1368	1375	1383	rBV	872155	1500874	100.00%	13.468%
10	11.414	1581	1590	1602	rBV	834894	1343307	89.50%	12.054%
11	12.408	1744	1753	1763	rBV	648689	1074607	71.60%	9.643%
12	12.761	1802	1811	1816	rBV5	18655	48013	3.20%	0.431%
13	12.993	1841	1849	1854	rBV	75723	115874	7.72%	1.040%
14	13.096	1862	1866	1874	rVB	21983	36644	2.44%	0.329%
15	13.206	1875	1884	1891	rBV	144658	261082	17.40%	2.343%
16	13.346	1898	1907	1912	rVV	758191	1215656	81.00%	10.909%
17	13.407	1912	1917	1926	rVB2	177566	398137	26.53%	3.573%
18	13.566	1933	1943	1948	rBV3	79125	160130	10.67%	1.437%
19	13.749	1968	1973	1978	rVB4	26983	50710	3.38%	0.455%
20	13.883	1990	1995	1999	rBV	84687	161350	10.75%	1.448%
21	13.999	2010	2014	2017	rVB3	20487	25195	1.68%	0.226%
22	14.072	2020	2026	2031	rVV5	41409	94318	6.28%	0.846%
23	14.182	2039	2044	2045	rBV4	25611	44745	2.98%	0.402%
24	14.304	2059	2064	2073	rBV3	117872	303172	20.20%	2.720%
25	14.383	2073	2077	2082	rVV5	45450	78800	5.25%	0.707%
26	14.468	2088	2091	2099	rVB7	48918	121640	8.10%	1.092%
27	14.761	2137	2139	2148	rVB6	78095	188249	12.54%	1.689%
28	14.852	2151	2154	2158	rVB2	61450	91362	6.09%	0.820%
29	14.919	2159	2165	2166	rBV4	67409	126820	8.45%	1.138%
30	15.133	2197	2200	2205	rVB2	94670	130424	8.69%	1.170%
31	15.511	2258	2262	2268	rVB2	142544	264099	17.60%	2.370%
32	16.638	2443	2447	2453	rVB3	187982	367077	24.46%	3.294%

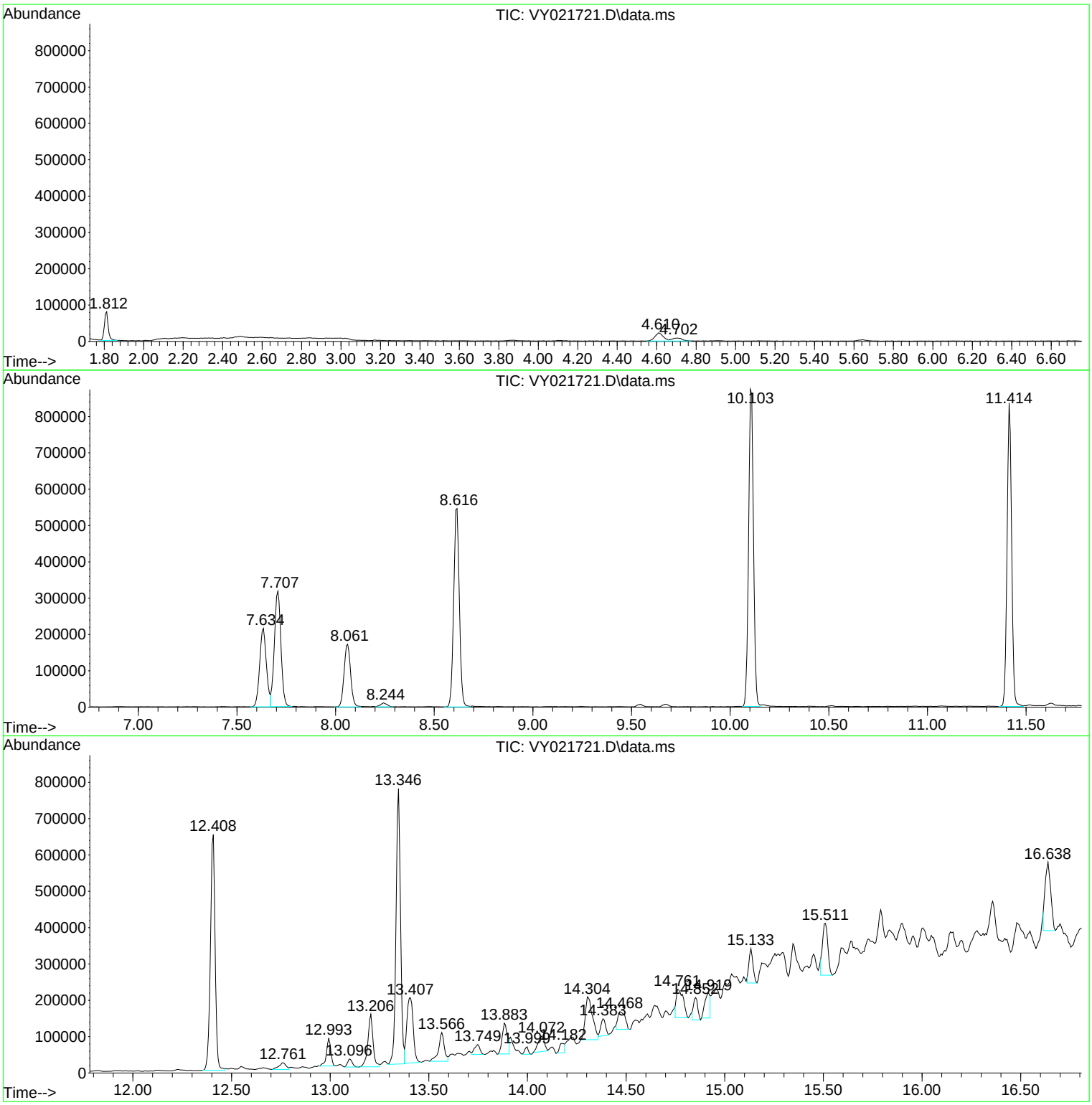
Sum of corrected areas: 11144055

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

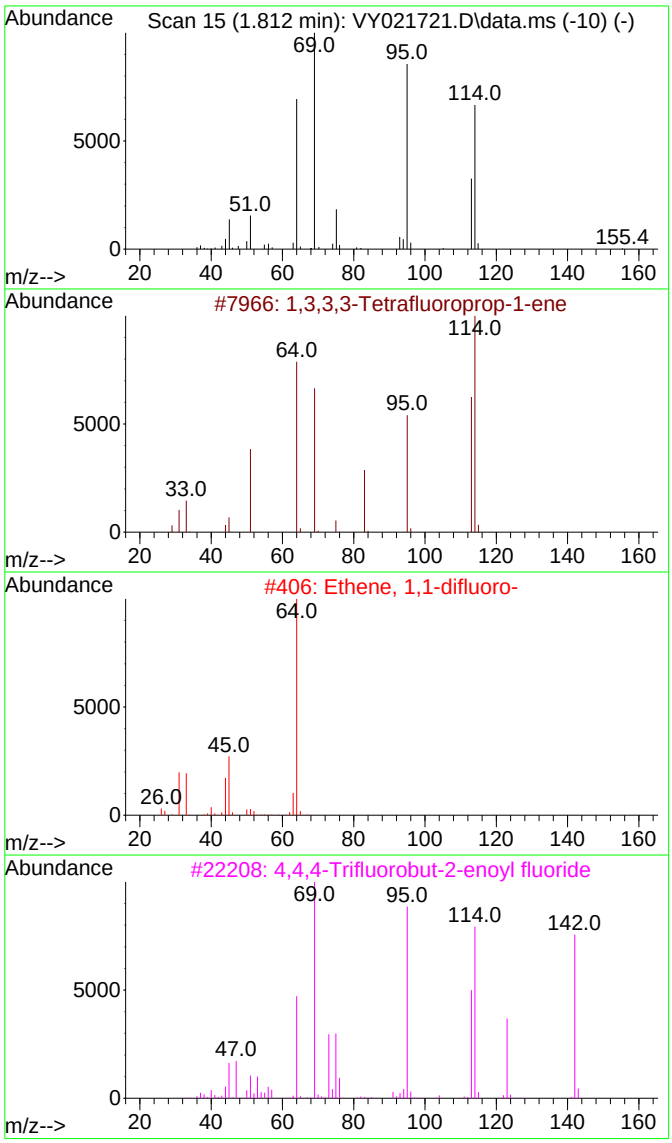
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

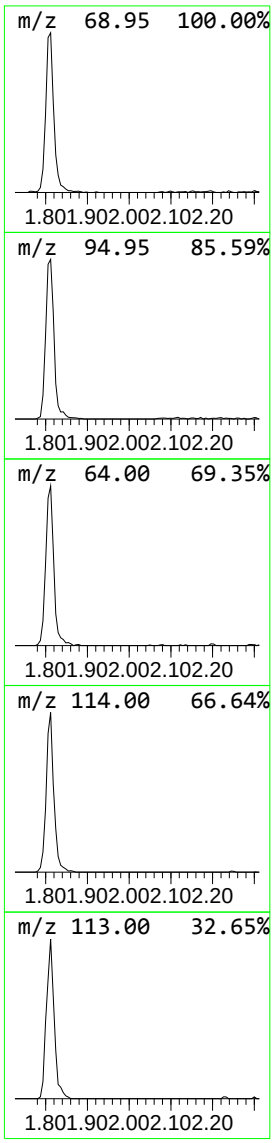
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.812 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	7.35 ug/l	106242	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,3,3-Tetrafluoroprop-1-ene	114	C3H2F4	1000389-53-0	25
2	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	12
3	4,4,4-Trifluorobut-2-enoyl fluoride	142	C4H2F4O	1000394-29-0	10
4	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	9
5	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

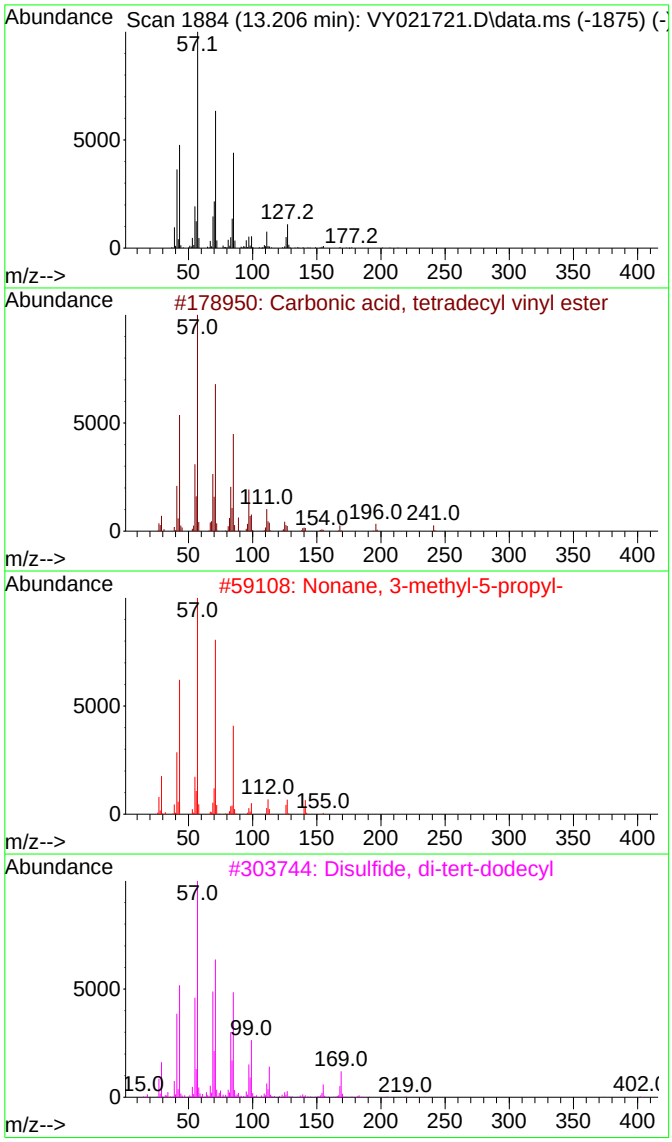
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

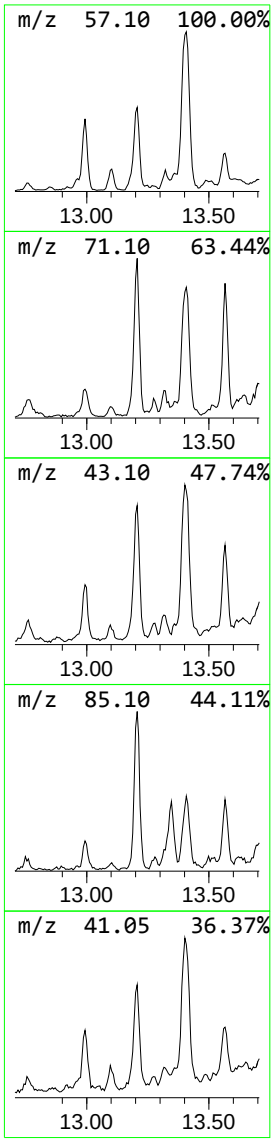
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Carbonic acid, tetradecyl v... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.206	10.74 ug/l	261082	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	72
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
3	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	72
4	Heptadecane	240	C17H36	000629-78-7	59
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

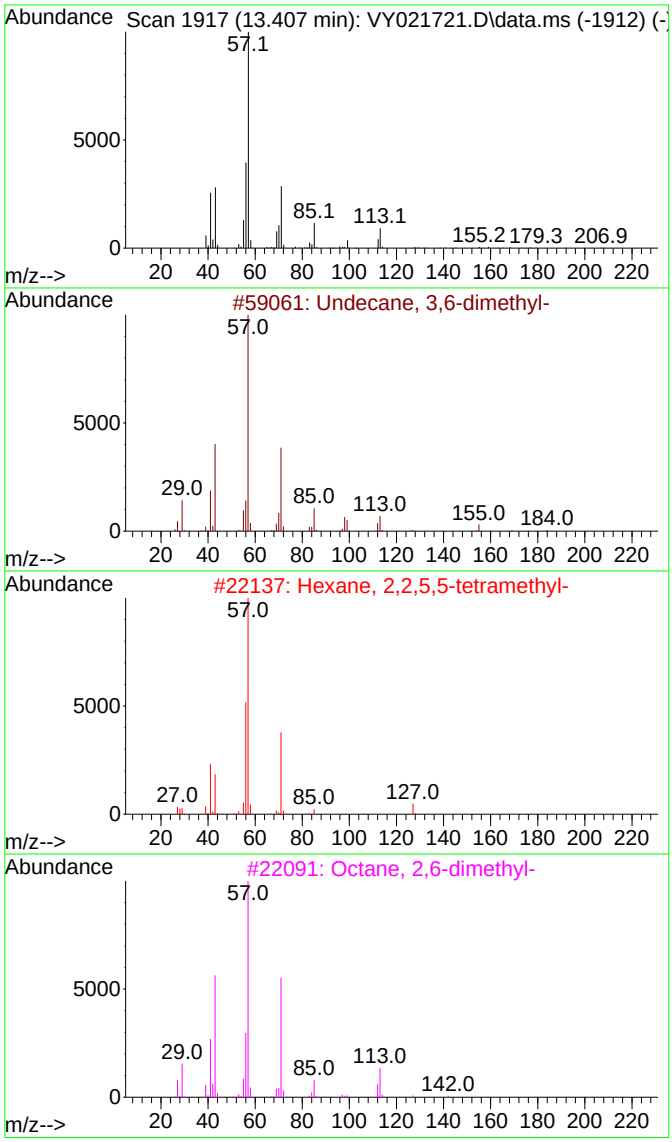
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

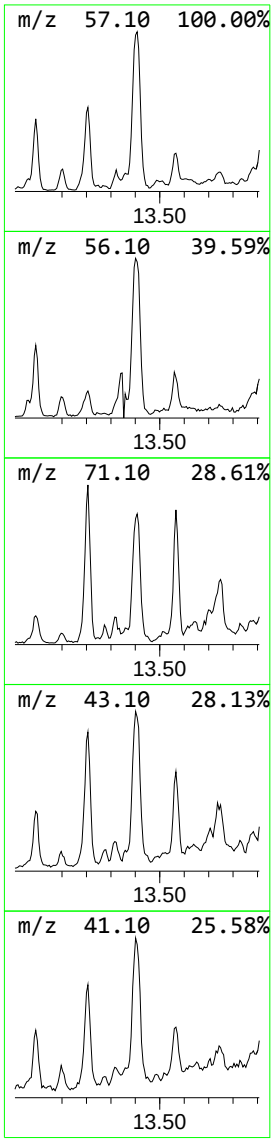
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Undecane, 3,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.407	16.38 ug/l	398137	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	47
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

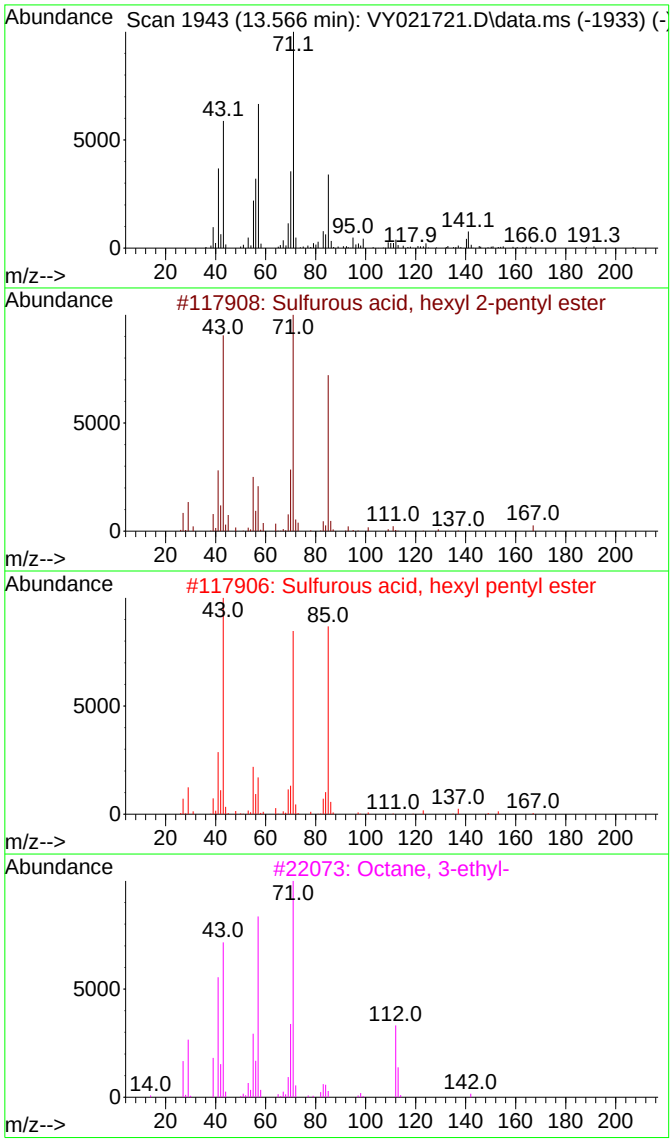
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

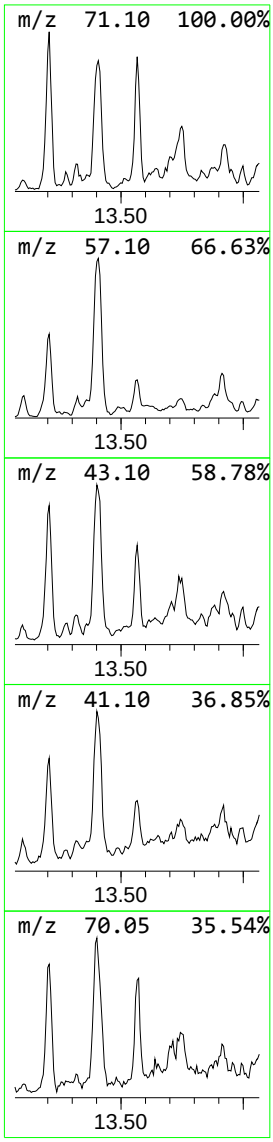
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Sulfurous acid, hexyl 2-pen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.566	6.59 ug/l	160130	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	59
2	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	58
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	58
4	Sulfurous acid, 2-pentyl tetrade...	348	C19H40O3S	1000309-16-3	53
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

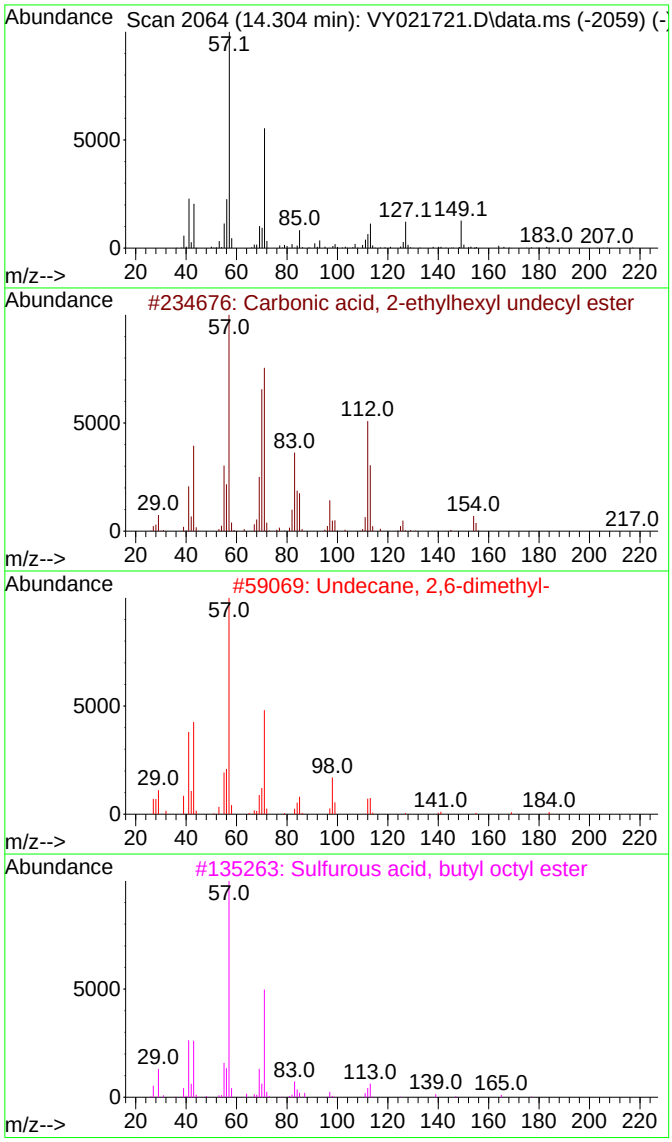
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

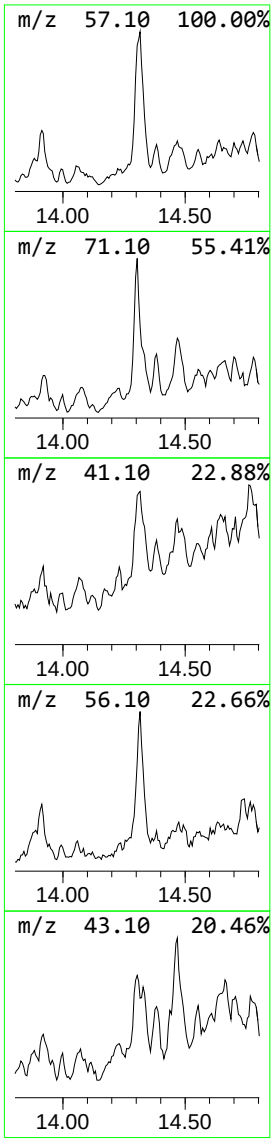
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Carbonic acid, 2-ethylhexyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	12.47 ug/l	303172	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, 2-ethylhexyl unde...	328	C20H40O3	1000383-13-8	59
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5	Octyl thioglycolate	204	C10H20O2S	007664-80-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

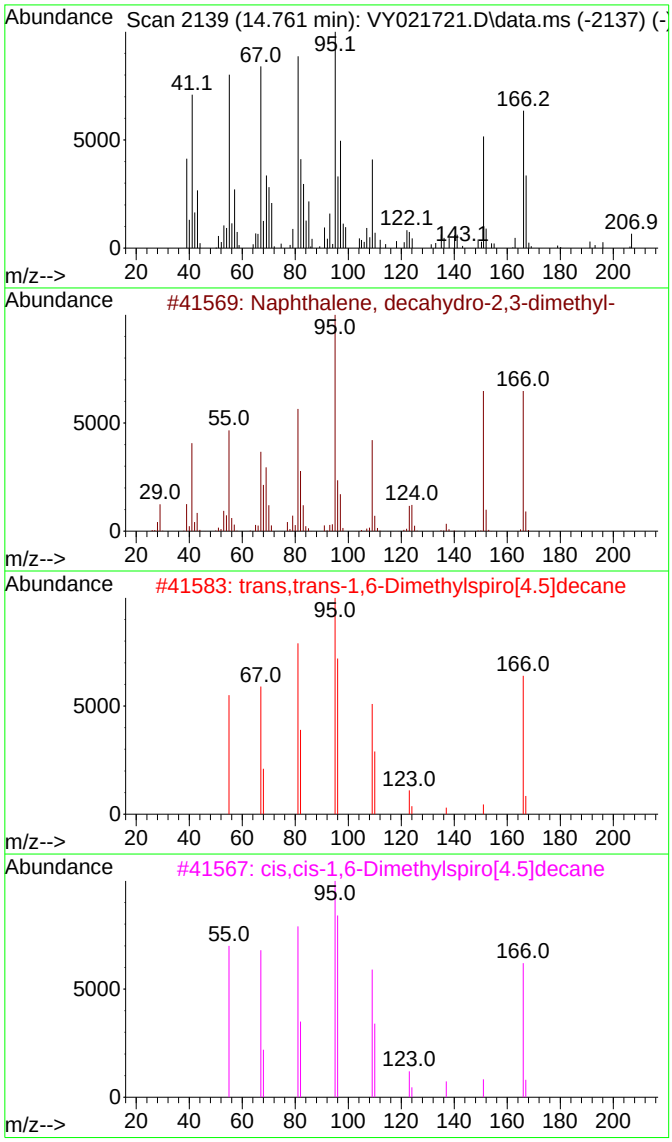
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

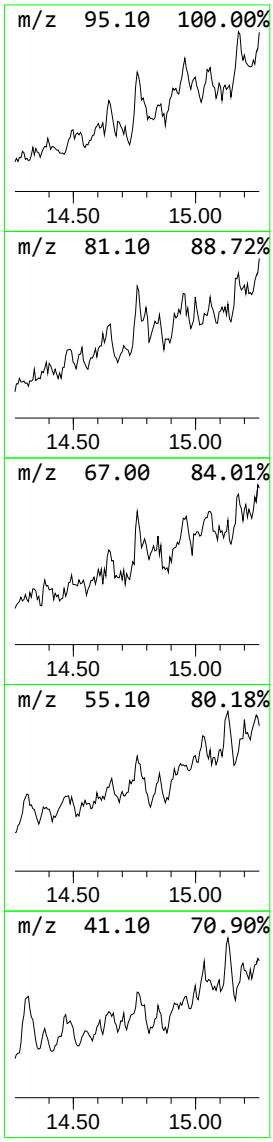
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-2,3-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.761	7.74 ug/l	188249	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	64
2	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	62
3	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	49
4	Cyclopropane, 1-(1-methylethyl)-...	152	C11H20	056259-17-7	22
5	4-Decyne	138	C10H18	002384-86-3	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

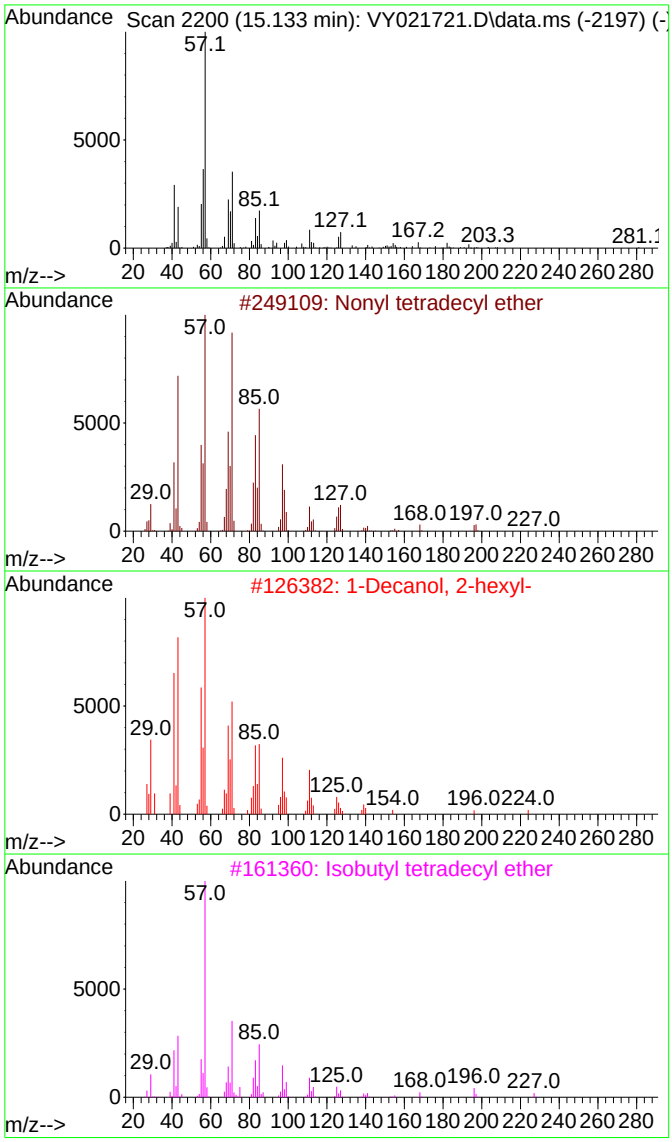
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

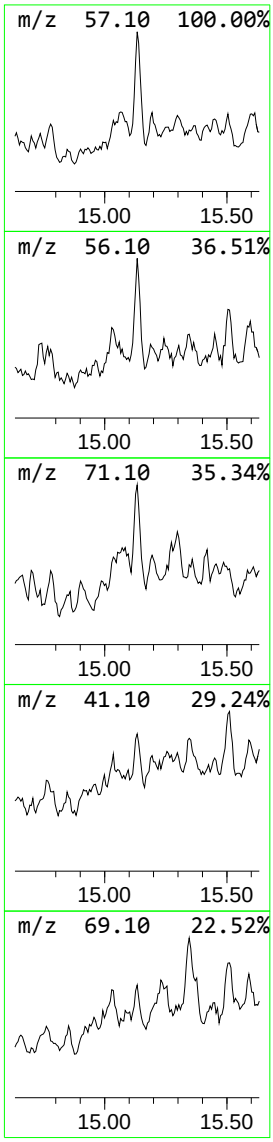
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Nonyl tetradecyl ether Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	5.36 ug/l	130424	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	72
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	64
3	Isobutyl tetradecyl ether	270	C18H38O	1000406-32-7	59
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	59
5	Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

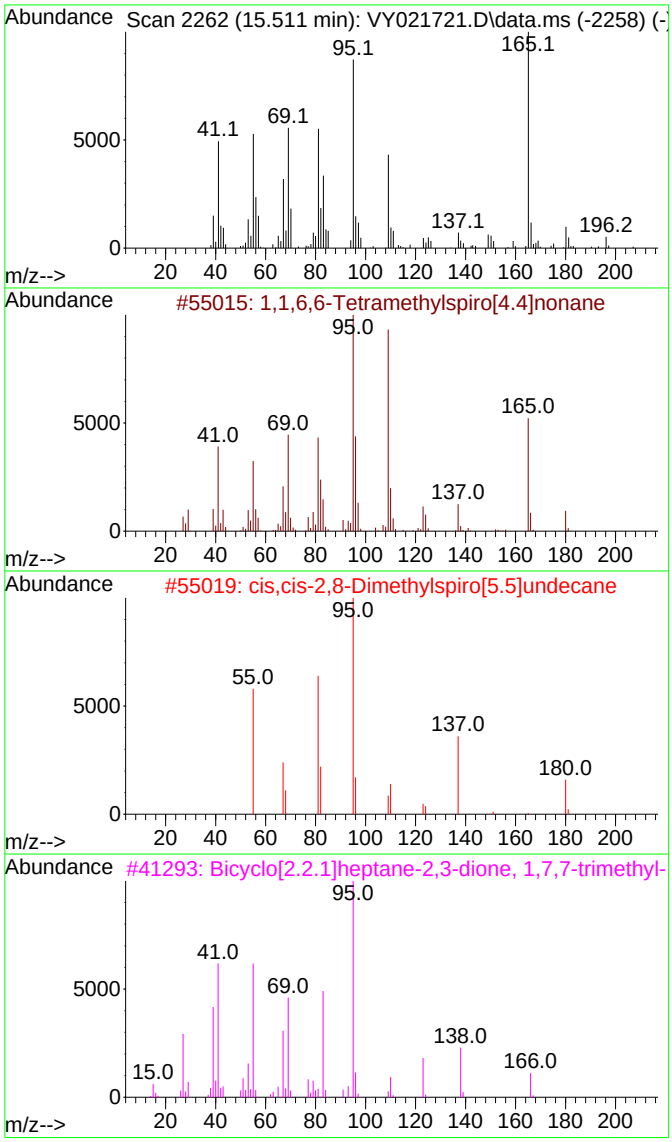
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

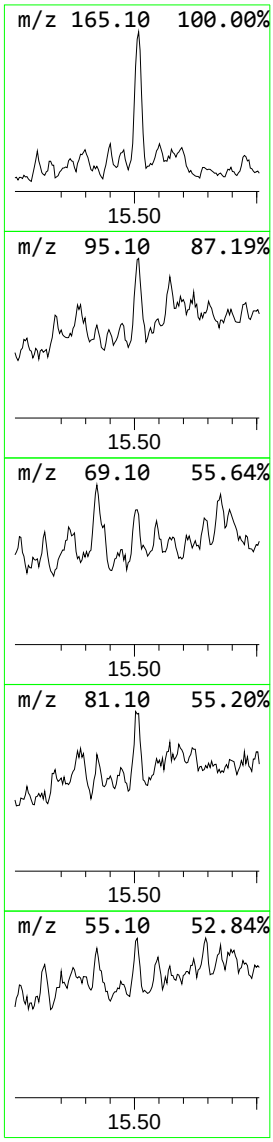
****

Peak Number 9 unknown15.511 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	10.86 ug/l	264099	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	45
2	cis,cis-2,8-Dimethylspiro[5.5]un...	180	C13H24	095530-75-9	42
3	Bicyclo[2.2.1]heptane-2,3-dione,...	166	C10H14O2	002767-84-2	42
4	dl-Camphoroquinone	166	C10H14O2	010373-78-1	38
5	1,5-Dihydro-1,5-dimethyl-6H-imid...	165	C6H7N5O	106284-73-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

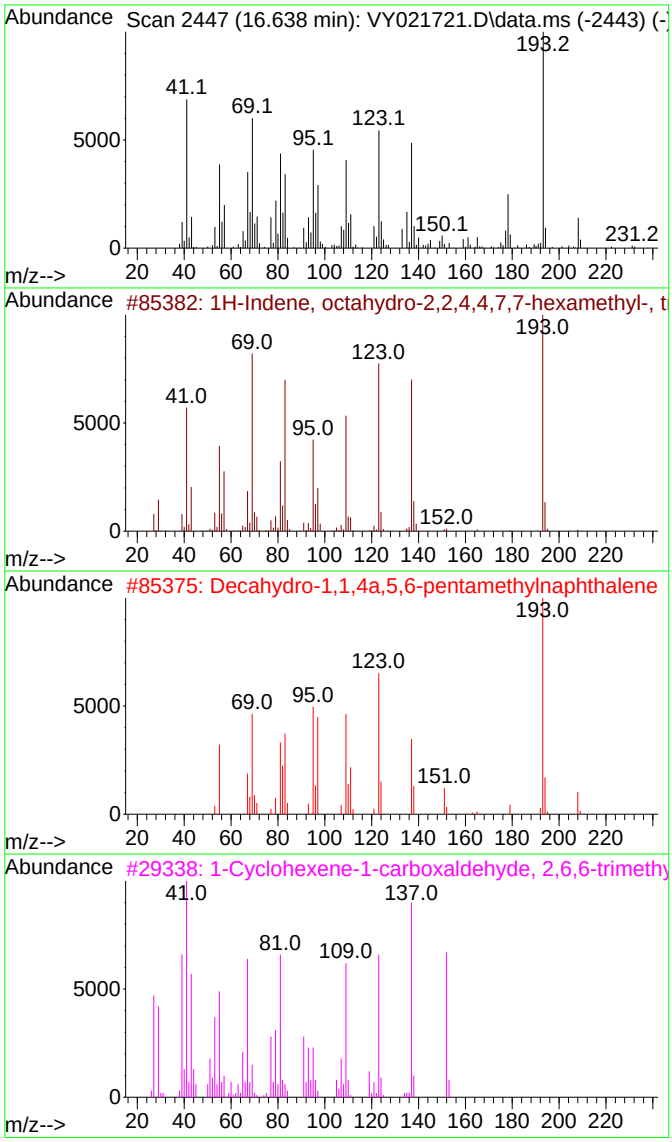
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

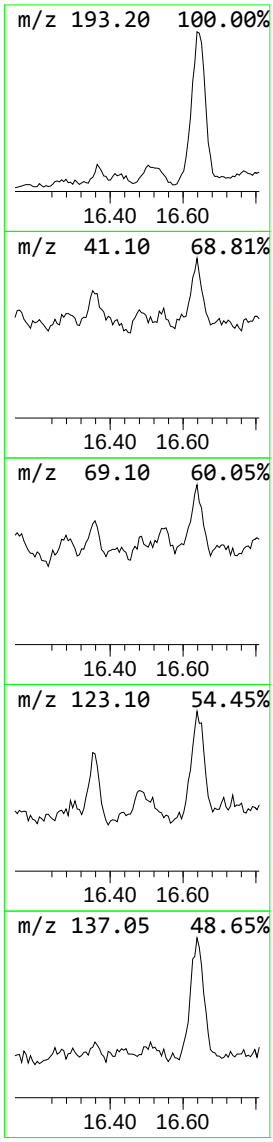
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, octahydro-2,2,4,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	15.10 ug/l	367077	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	72
2	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	64
3	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	000432-25-7	25
4	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	22
5	2,5,5,6,1a-Pentamethyl-cis-1a,4a...	208	C14H24O	1010215-77-9	15





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.812	1.812	7.3	ug/l	106242	1	7.707	722461	50.0
Carbonic acid, ...	13.206	10.7	ug/l	261082	4	13.346	1215660	50.0
Undecane, 3,6-d...	13.407	16.4	ug/l	398137	4	13.346	1215660	50.0
Sulfurous acid,...	13.566	6.6	ug/l	160130	4	13.346	1215660	50.0
Carbonic acid, ...	14.304	12.5	ug/l	303172	4	13.346	1215660	50.0
Naphthalene, de...	14.761	7.7	ug/l	188249	4	13.346	1215660	50.0
Nonyl tetradecy...	15.133	5.4	ug/l	130424	4	13.346	1215660	50.0
unknown15.511	15.511	10.9	ug/l	264099	4	13.346	1215660	50.0
1H-Indene, octa...	16.639	15.1	ug/l	367077	4	13.346	1215660	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Apr 01 05:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

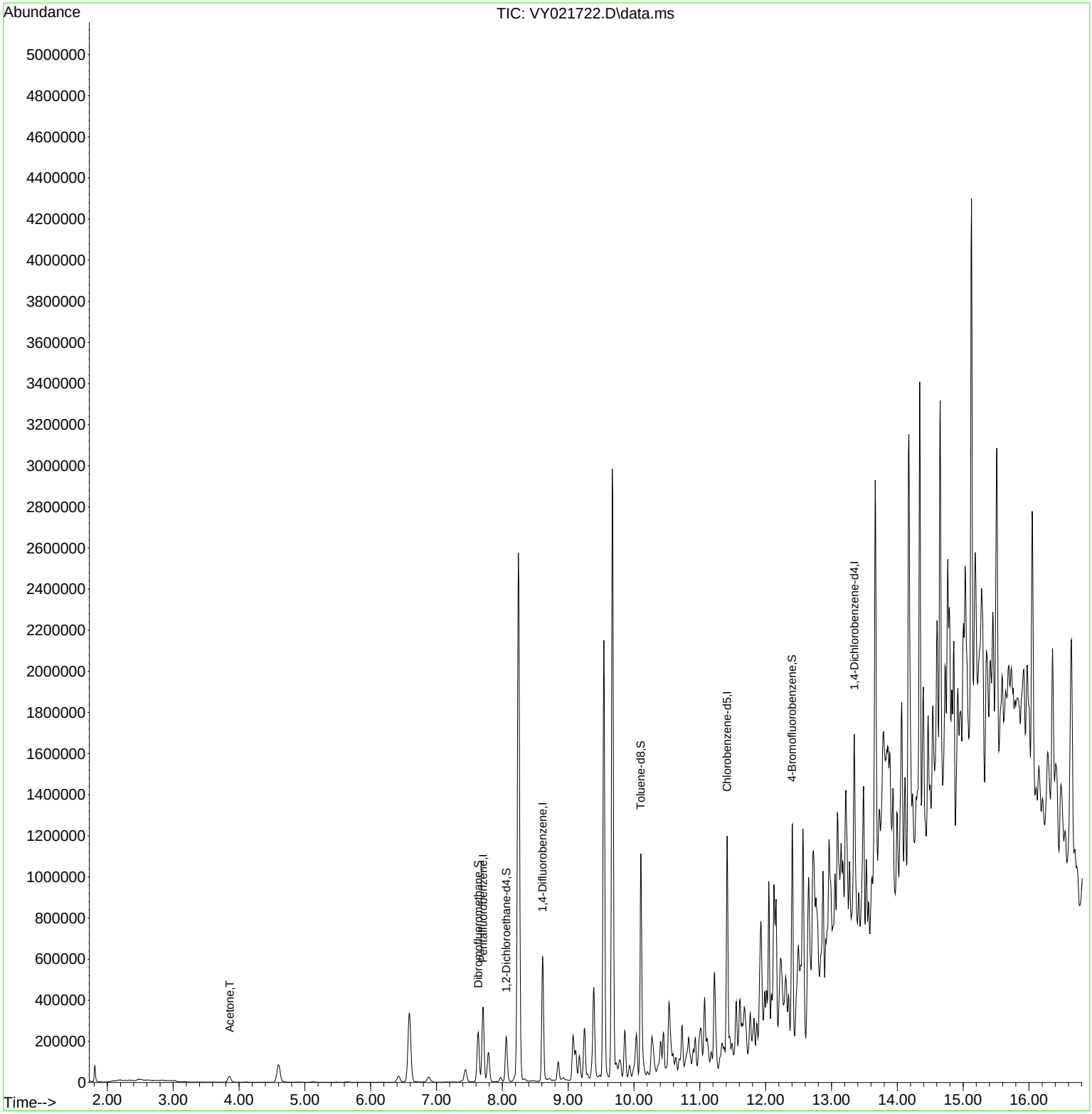
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	278328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	508216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	512218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173360	57.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.980%			
35) Dibromofluoromethane	7.634	113	170901	51.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.680%			
50) Toluene-d8	10.103	98	644253	51.369	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.402	95	275951	65.049	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 130.100%			
Target Compounds						Qvalue
16) Acetone	3.860	43	22308	36.145	ug/l #	71

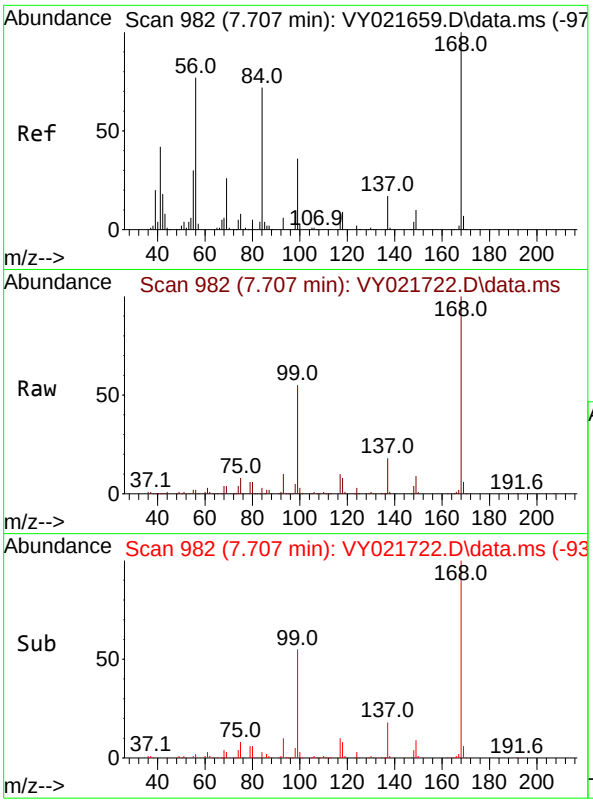
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Apr 01 05:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



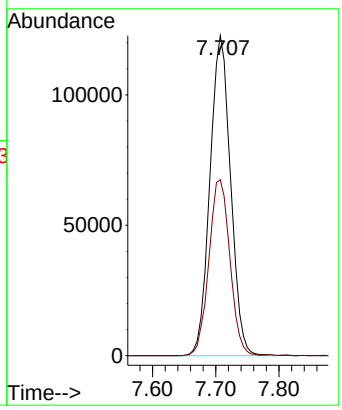


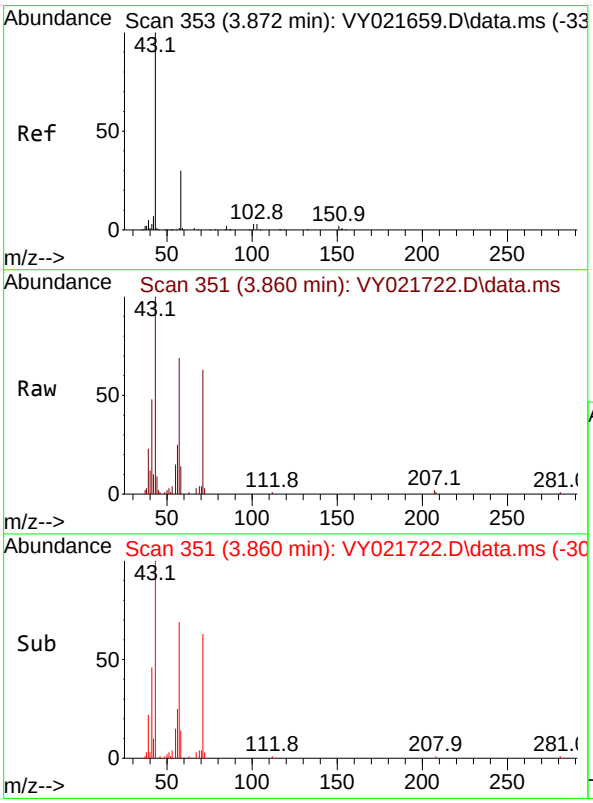
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:168 Resp: 278328

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.7	70.1

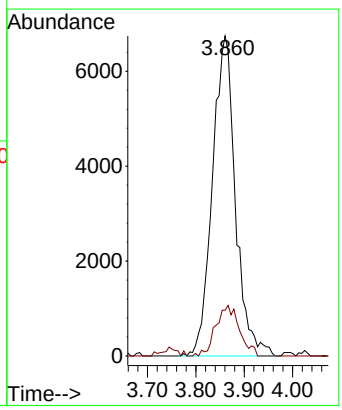




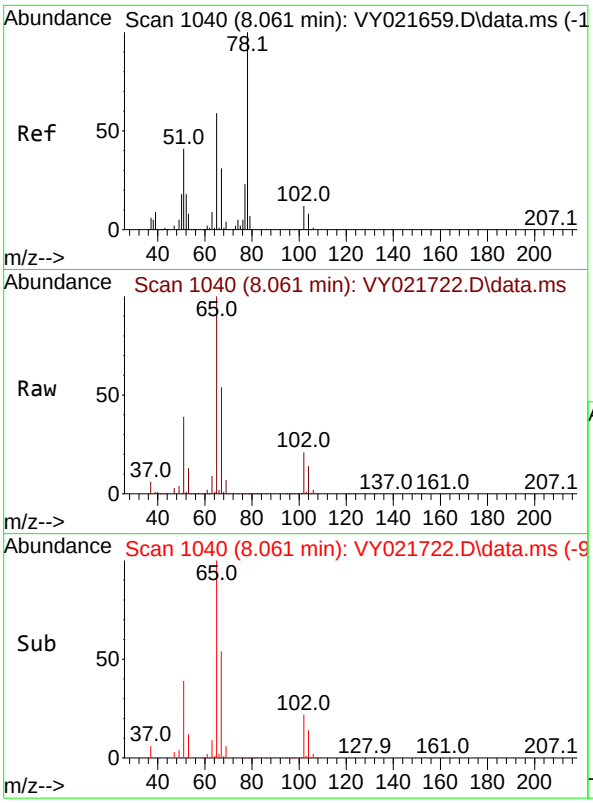
#16
Acetone
Concen: 36.145 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 43 Resp: 22308

Ion	Ratio	Lower	Upper
43	100		
58	14.3	24.2	36.4#



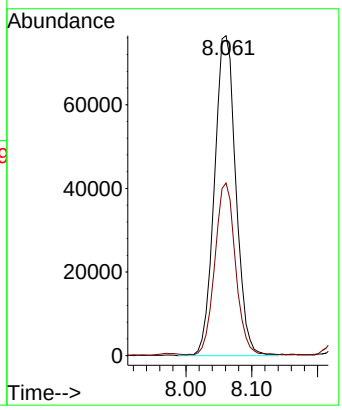
Instrument :
MSVOA_Y
ClientSampleId :
T2

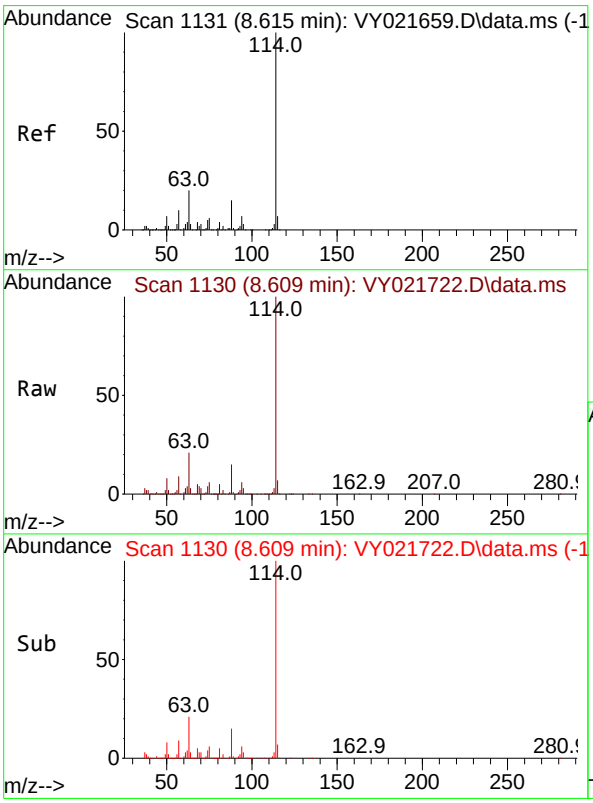


#33
1,2-Dichloroethane-d4
Concen: 57.488 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 65 Resp: 173360

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.6

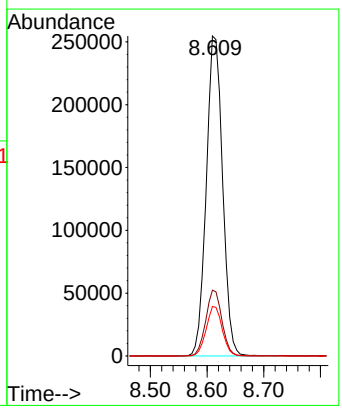


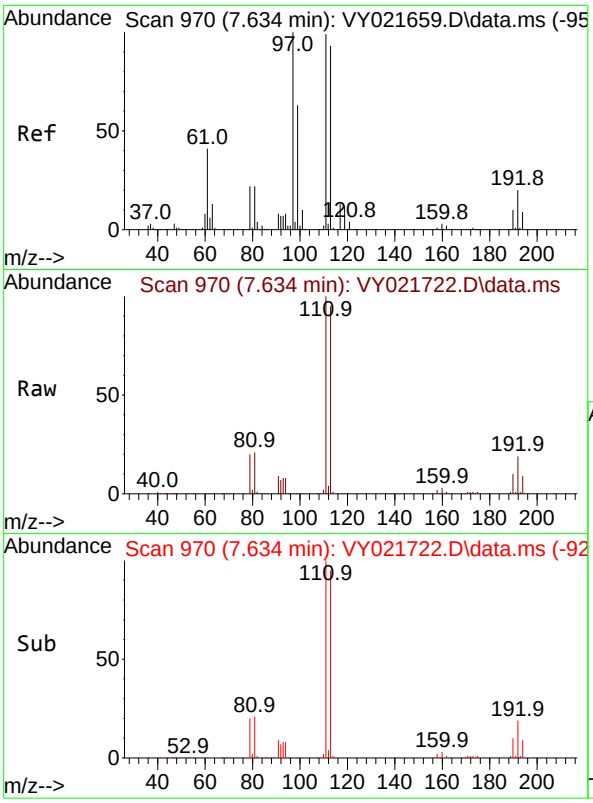


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion:114 Resp: 508216

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.4	0.0	29.8



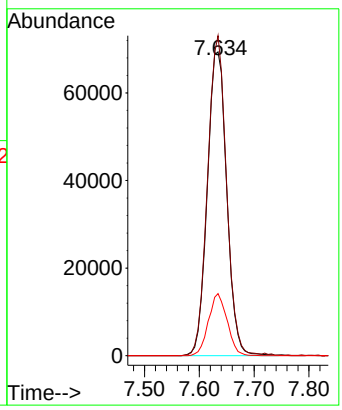


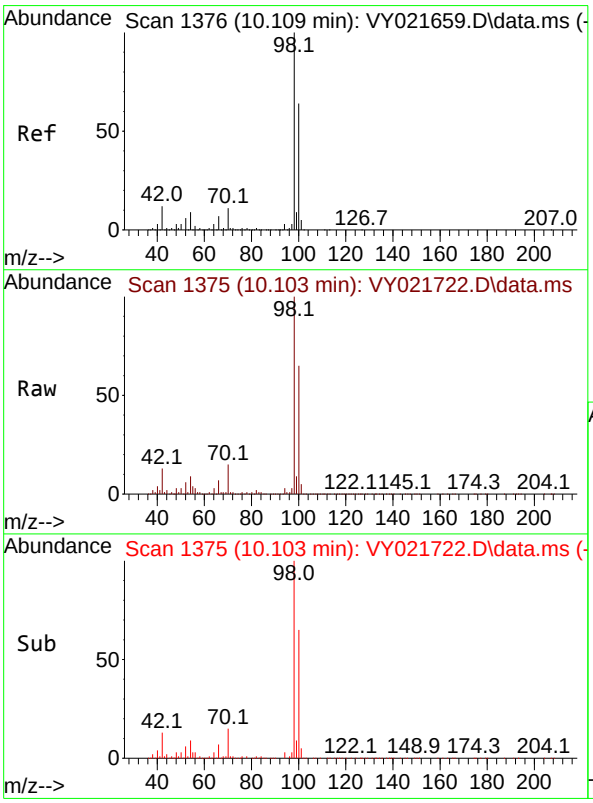
#35
Dibromofluoromethane
Concen: 51.840 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:113 Resp: 170901

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.6	16.2	24.4

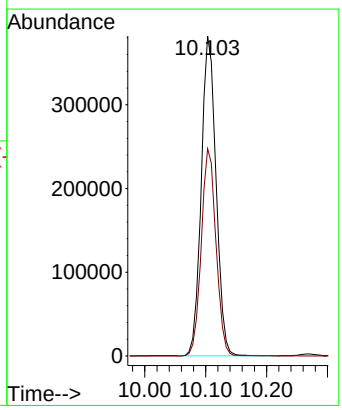




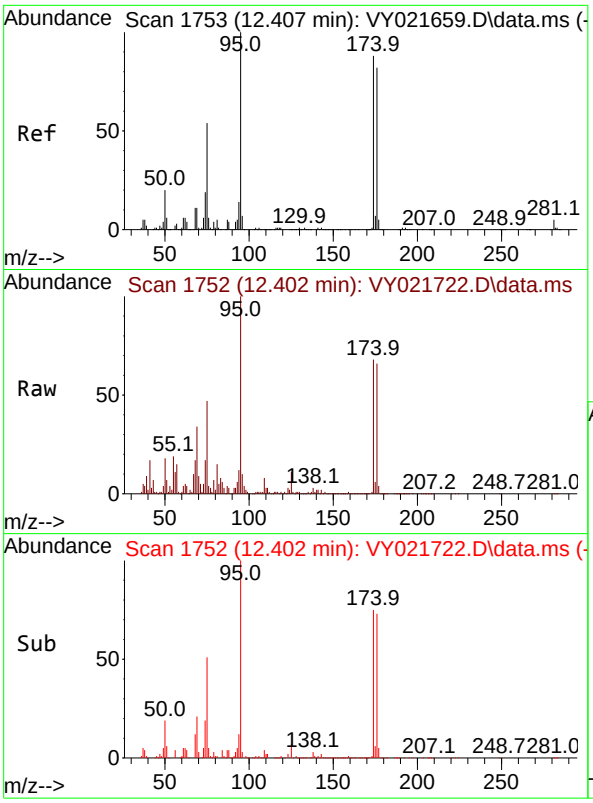
#50
Toluene-d8
Concen: 51.369 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 98 Resp: 644253

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



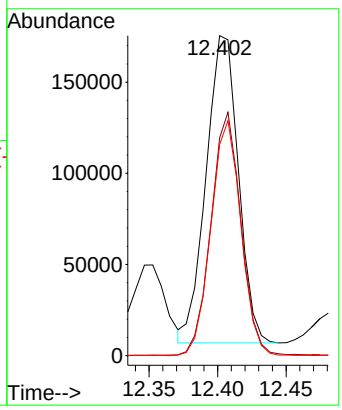
Instrument :
MSVOA_Y
ClientSampleId :
T2

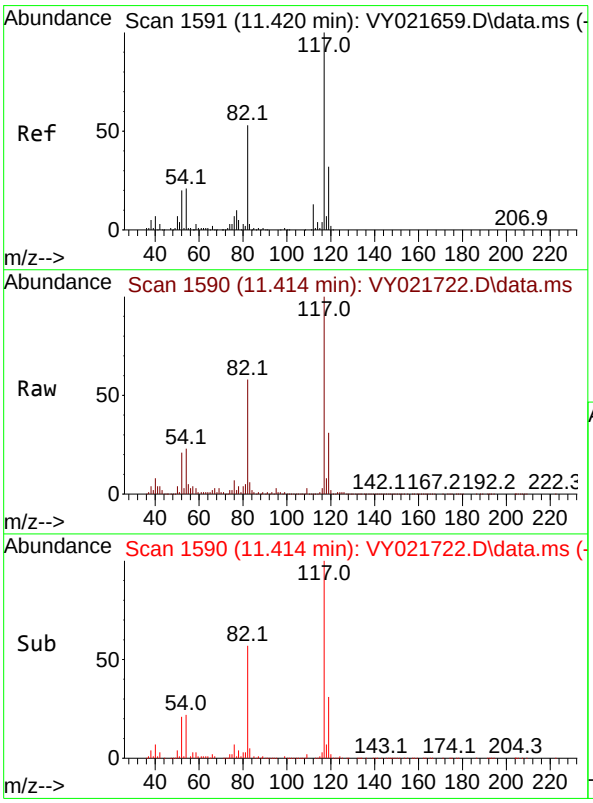


#62
4-Bromofluorobenzene
Concen: 65.049 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 95 Resp: 275951

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	170.8
176	71.0	0.0	162.0

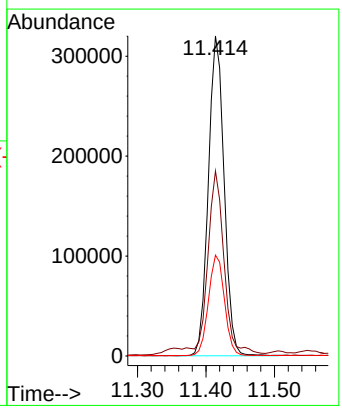


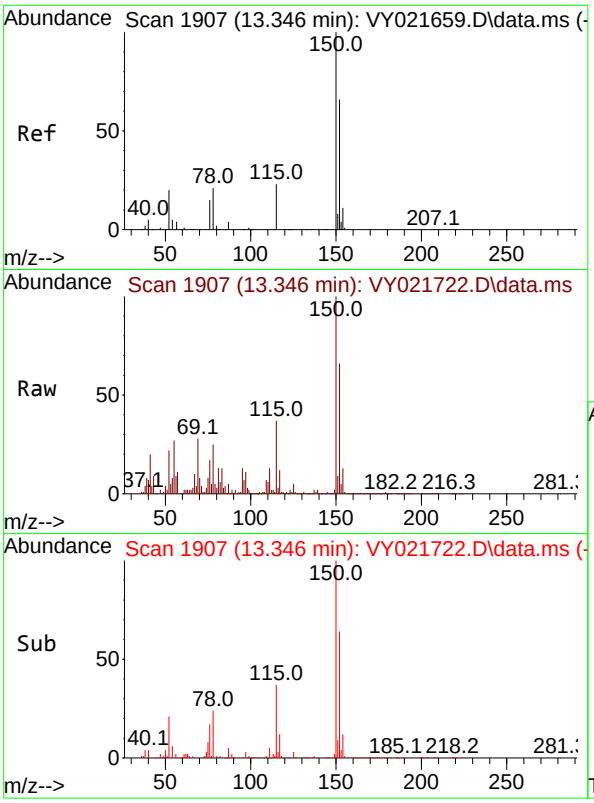


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion:117 Resp: 512218

Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.8	64.2
119	31.4	25.7	38.5



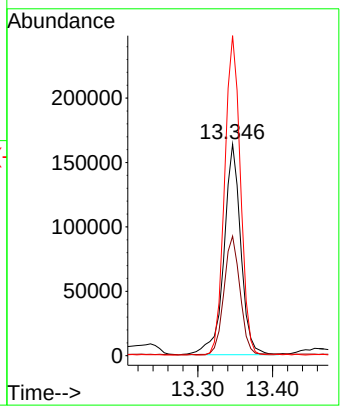


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:152 Resp: 256507

Ion	Ratio	Lower	Upper
152	100		
115	53.3	28.8	86.5
150	142.2	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021722.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	24	rVB	79101	111043	1.82%	0.117%
2	3.854	337	350	363	rBV4	28397	97062	1.59%	0.102%
3	4.598	460	472	485	rBV3	85018	308117	5.04%	0.324%
4	6.427	759	772	783	rBV3	29933	105084	1.72%	0.110%
5	6.585	786	798	815	rVV	333372	1058962	17.33%	1.112%
6	6.884	835	847	861	rVB3	24886	91646	1.50%	0.096%
7	7.439	919	938	949	rBV2	61583	200979	3.29%	0.211%
8	7.634	957	970	976	rBV	241760	596585	9.76%	0.627%
9	7.707	976	982	989	rVV	364574	830478	13.59%	0.872%
10	7.786	989	995	1011	rVB	143040	367746	6.02%	0.386%
11	8.061	1032	1040	1051	rVB	216380	487929	7.99%	0.513%
12	8.244	1053	1070	1081	rBV	2570644	6110081	100.00%	6.418%
13	8.609	1122	1130	1141	rBV	607607	1233249	20.18%	1.295%
14	8.847	1161	1169	1176	rBV2	91466	200571	3.28%	0.211%
15	9.073	1199	1206	1210	rBV	217594	485312	7.94%	0.510%
16	9.170	1218	1222	1228	rVB3	105940	196362	3.21%	0.206%
17	9.250	1228	1235	1241	rBV	237802	486302	7.96%	0.511%
18	9.390	1247	1258	1269	rBV2	440638	1007459	16.49%	1.058%
19	9.542	1275	1283	1296	rVB	2123313	4078016	66.74%	4.284%
20	9.670	1296	1304	1312	rBV	2958799	5781253	94.62%	6.073%
21	9.786	1318	1323	1329	rVB4	77630	194957	3.19%	0.205%
22	9.859	1329	1335	1342	rVB2	221753	433276	7.09%	0.455%
23	9.932	1342	1347	1352	rBV2	54301	96074	1.57%	0.101%
24	10.036	1352	1364	1369	rBV2	204897	504557	8.26%	0.530%
25	10.103	1369	1375	1388	rVB	1076024	1984611	32.48%	2.085%
26	10.274	1396	1403	1413	rBV3	185028	534362	8.75%	0.561%
27	10.402	1414	1424	1428	rBV3	143297	334226	5.47%	0.351%
28	10.445	1428	1431	1437	rVB	173734	274271	4.49%	0.288%
29	10.530	1439	1445	1453	rBV4	313399	771317	12.62%	0.810%
30	10.634	1459	1462	1467	rVB4	59974	102218	1.67%	0.107%
31	10.694	1467	1472	1473	rBV2	54304	89324	1.46%	0.094%
32	10.731	1473	1478	1483	rVB	199287	345883	5.66%	0.363%
33	10.829	1484	1494	1501	rBV4	131878	368593	6.03%	0.387%
34	10.902	1501	1506	1507	rBV2	68815	92137	1.51%	0.097%
35	10.932	1507	1511	1516	rVB2	136730	225518	3.69%	0.237%
36	11.012	1516	1524	1529	rBV6	183415	551923	9.03%	0.580%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

37	11.072	1529	1534	1538	rBV3	279292	466486	7.63%	0.490%
38	11.170	1547	1550	1553	rBV	49049	67918	1.11%	0.071%
39	11.225	1553	1559	1568	rVB3	464516	993051	16.25%	1.043%
40	11.341	1568	1578	1581	rBV6	122375	357295	5.85%	0.375%
41	11.414	1585	1590	1595	rBV	1047213	1689516	27.65%	1.775%
42	11.554	1607	1613	1617	rBV3	255694	457141	7.48%	0.480%
43	11.609	1617	1622	1626	rBV3	225754	438264	7.17%	0.460%
44	11.676	1630	1633	1642	rVB6	226736	552988	9.05%	0.581%
45	11.767	1642	1648	1652	rBV3	197745	392598	6.43%	0.412%
46	11.822	1654	1657	1661	rVB	129717	169697	2.78%	0.178%
47	11.865	1661	1664	1667	rBV4	103918	147983	2.42%	0.155%
48	11.926	1667	1674	1680	rBV3	569222	1360797	22.27%	1.429%
49	11.987	1680	1684	1686	rBV2	139098	183398	3.00%	0.193%
50	12.011	1686	1688	1690	rBV	82232	83745	1.37%	0.088%
51	12.048	1690	1694	1698	rVB	666924	872375	14.28%	0.916%
52	12.091	1698	1701	1702	rBV2	118443	135882	2.22%	0.143%
53	12.127	1702	1707	1710	rBV3	562224	974363	15.95%	1.023%
54	12.231	1717	1724	1730	rBV7	330964	994879	16.28%	1.045%
55	12.304	1733	1736	1740	rVB4	170465	268766	4.40%	0.282%
56	12.347	1741	1743	1747	rVB	177963	212578	3.48%	0.223%
57	12.408	1747	1753	1758	rVB3	1028043	1753578	28.70%	1.842%
58	12.499	1758	1768	1771	rBV8	438661	1269803	20.78%	1.334%
59	12.566	1775	1779	1786	rVB3	1016633	1910513	31.27%	2.007%
60	12.651	1786	1793	1799	rBV5	781425	2109117	34.52%	2.215%
61	12.725	1800	1805	1810	rBV5	565286	1470767	24.07%	1.545%
62	12.871	1825	1829	1833	rVB4	518528	789034	12.91%	0.829%
63	12.914	1833	1836	1837	rBV	183588	209444	3.43%	0.220%
64	12.962	1841	1844	1852	rVB5	480077	1010186	16.53%	1.061%
65	13.054	1856	1859	1862	rBV3	245346	317090	5.19%	0.333%
66	13.090	1862	1865	1871	rBV4	473062	914072	14.96%	0.960%
67	13.218	1882	1886	1892	rVB5	577160	1154468	18.89%	1.213%
68	13.273	1892	1895	1899	rVB3	279020	339863	5.56%	0.357%
69	13.346	1902	1907	1915	rVB	921292	1662815	27.21%	1.747%
70	13.487	1926	1930	1934	rVB4	671583	1055985	17.28%	1.109%
71	13.529	1934	1937	1940	rBV4	315816	371856	6.09%	0.391%
72	13.615	1947	1951	1953	rBV4	217311	379187	6.21%	0.398%
73	13.663	1954	1959	1965	rVV2	1940965	3518695	57.59%	3.696%
74	13.993	2010	2013	2018	rBV5	368920	579303	9.48%	0.609%
75	14.066	2019	2025	2030	rVV3	808325	1584129	25.93%	1.664%
76	14.115	2030	2033	2037	rVB3	426387	594646	9.73%	0.625%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

77	14.176	2038	2043	2050	rBV4	2090340	4291318	70.23%	4.508%
78	14.340	2066	2070	2074	rVB2	2060289	2849573	46.64%	2.993%
79	14.395	2075	2079	2086	rVB6	725971	1277746	20.91%	1.342%
80	14.468	2087	2091	2094	rBV2	564582	870649	14.25%	0.915%
81	14.541	2099	2103	2107	rBV6	497622	895504	14.66%	0.941%
82	14.602	2110	2113	2117	rVV4	819915	1416250	23.18%	1.488%
83	14.651	2117	2121	2127	rVB3	1872286	3049140	49.90%	3.203%
84	14.767	2136	2140	2142	rBV	749267	1026928	16.81%	1.079%
85	15.005	2175	2179	2180	rBV2	574880	757683	12.40%	0.796%
86	15.127	2194	2199	2204	rBV	2583004	3958866	64.79%	4.158%
87	15.352	2232	2236	2242	rBV6	637344	1683813	27.56%	1.769%
88	15.511	2258	2262	2267	rVB2	1472672	2518977	41.23%	2.646%
89	16.047	2346	2350	2357	rVB3	1378894	2579951	42.22%	2.710%
90	16.358	2397	2401	2406	rBV4	658162	1063028	17.40%	1.117%
91	16.645	2442	2448	2454	rVB2	1034910	2408529	39.42%	2.530%

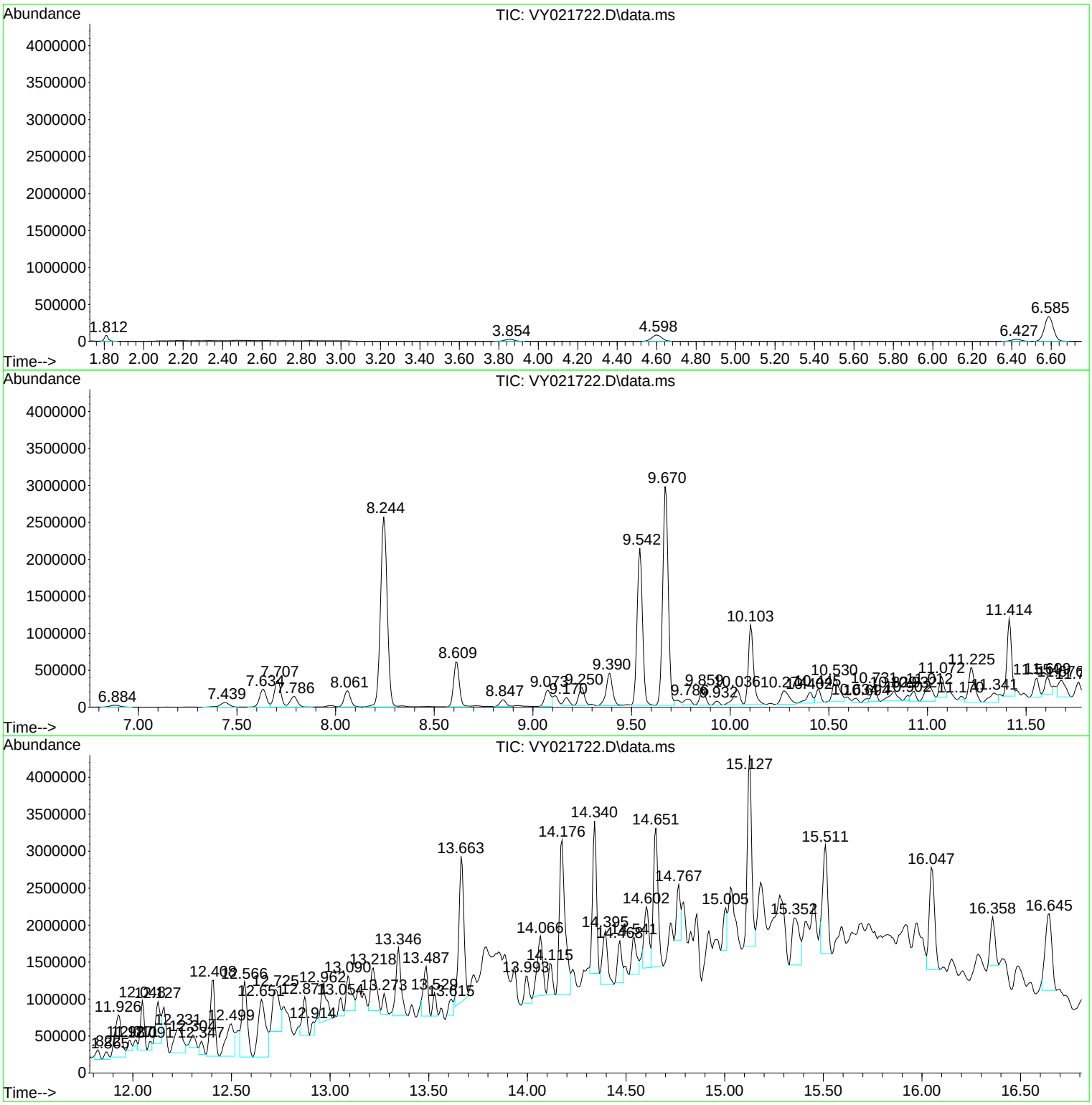
Sum of corrected areas: 95199709

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

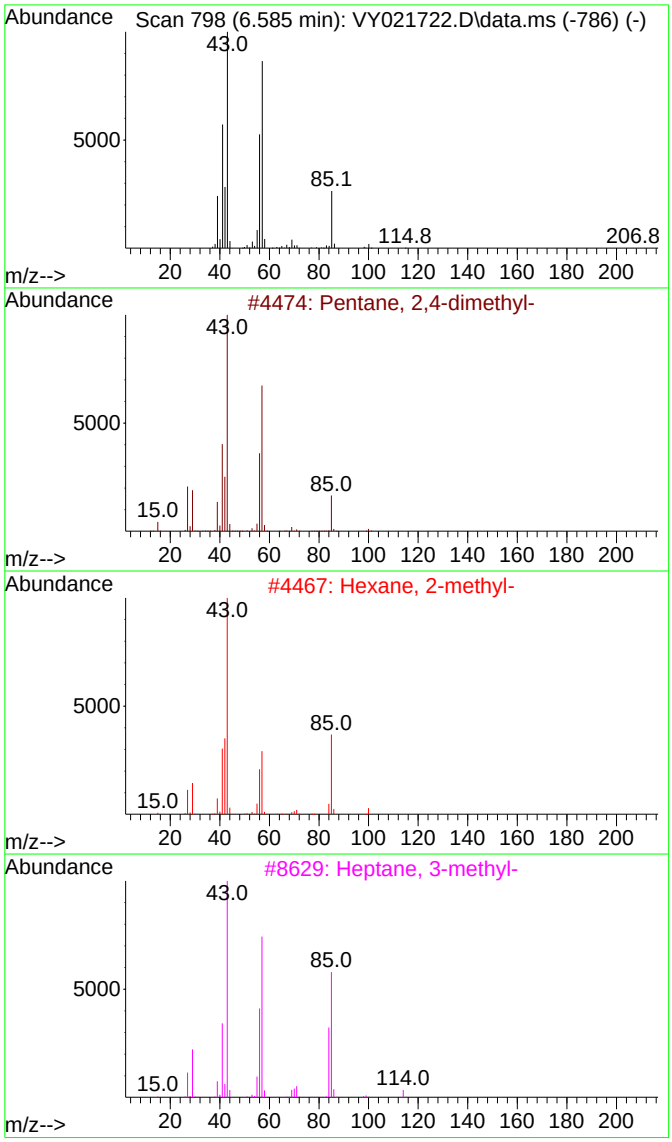
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

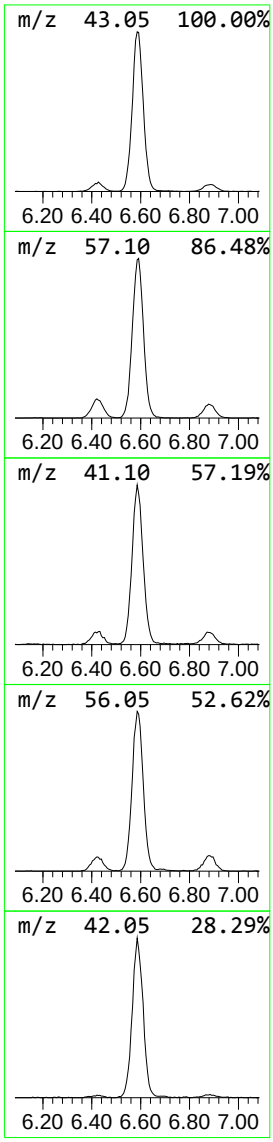
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.585	63.76 ug/l	1058960	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

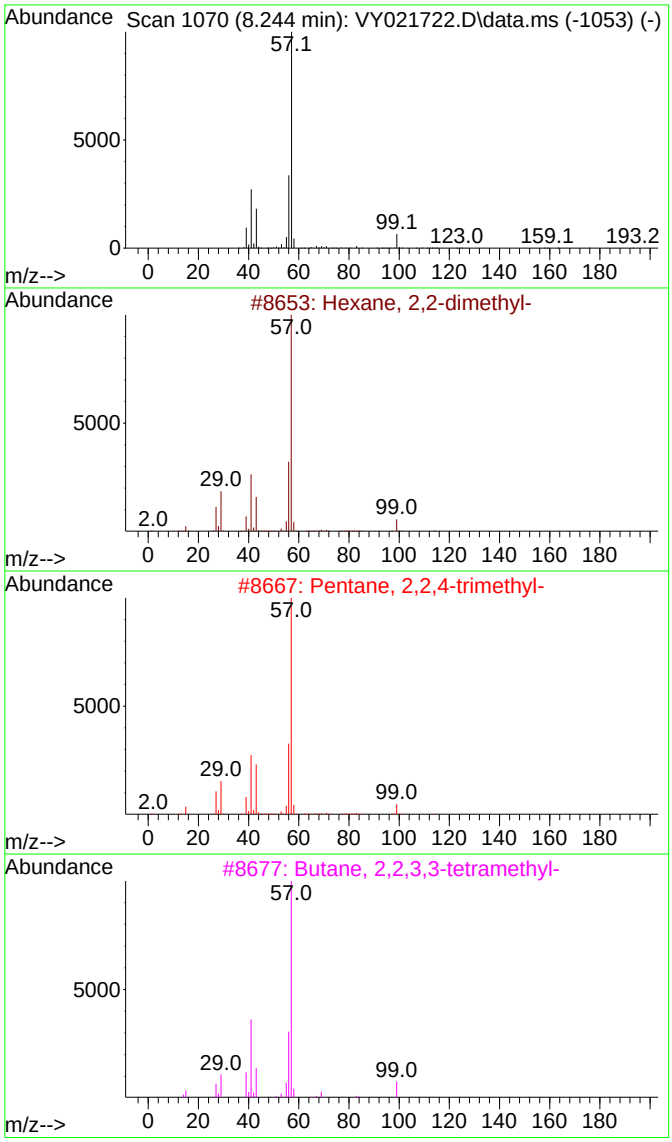
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

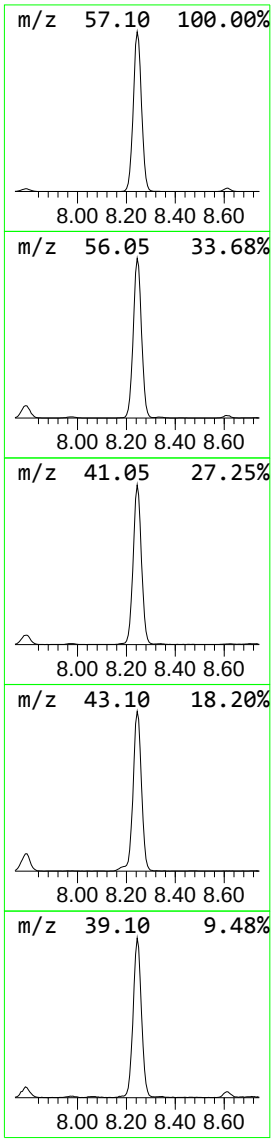
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	247.72 ug/l	6110080	1,4-Difluorobenzene	8.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64





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Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

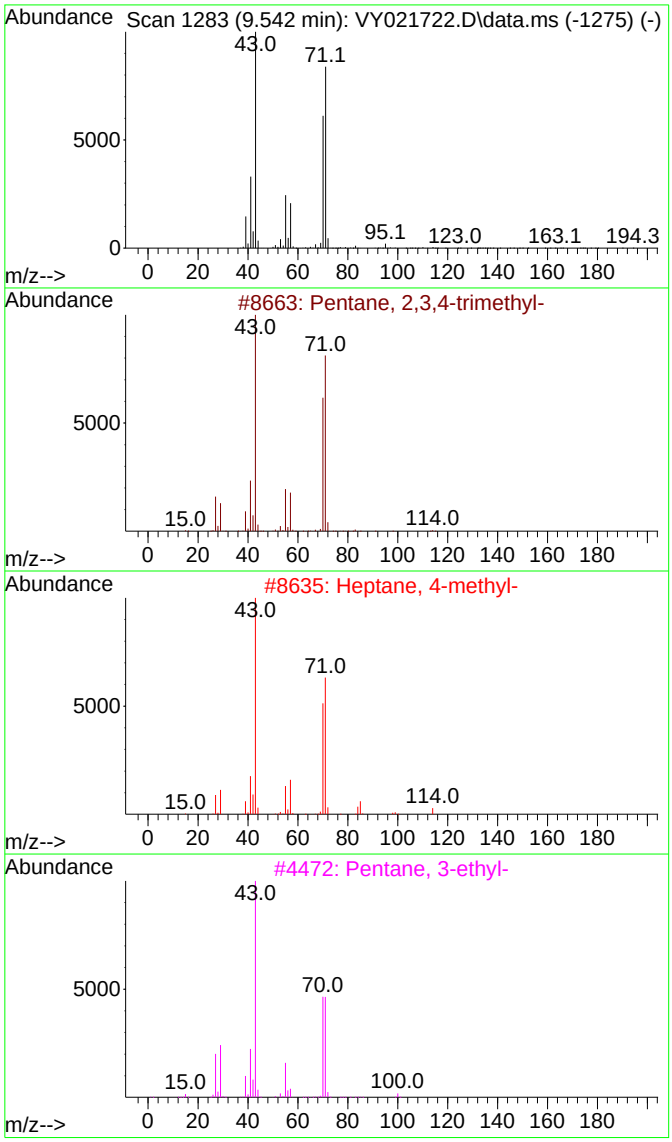
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

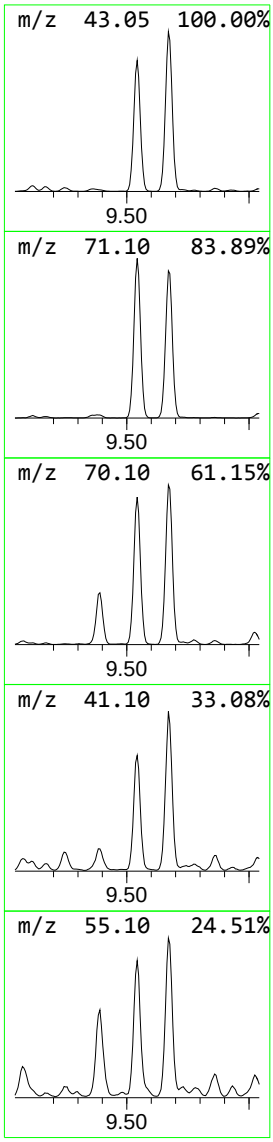
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	165.34 ug/l	4078020	1,4-Difluorobenzene	8.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74





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Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

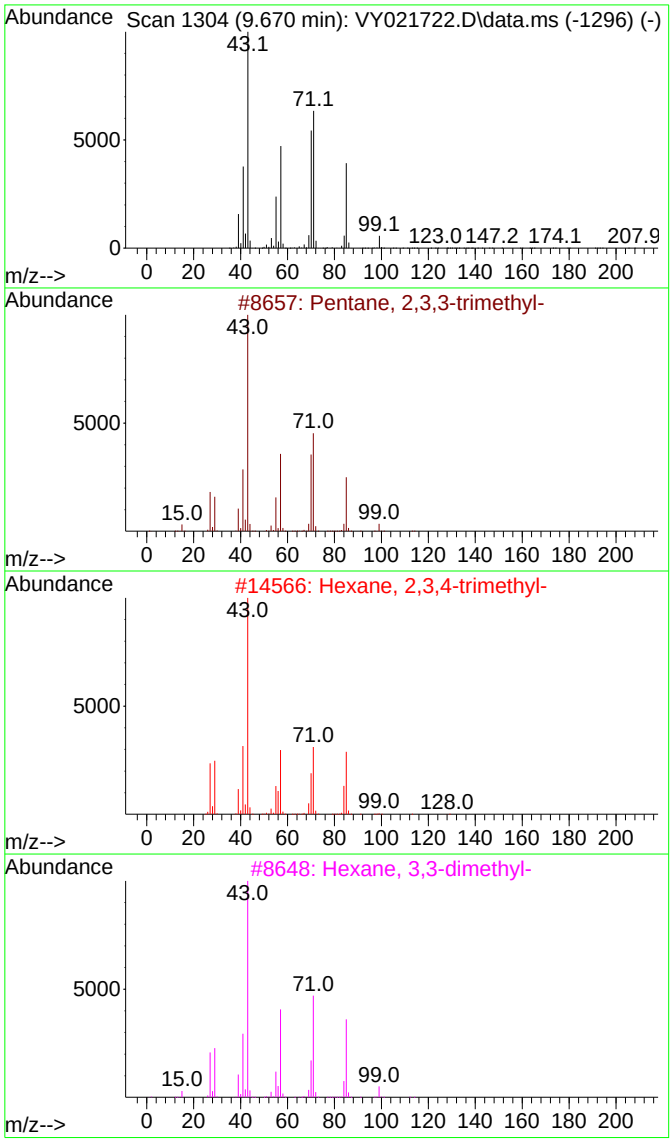
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

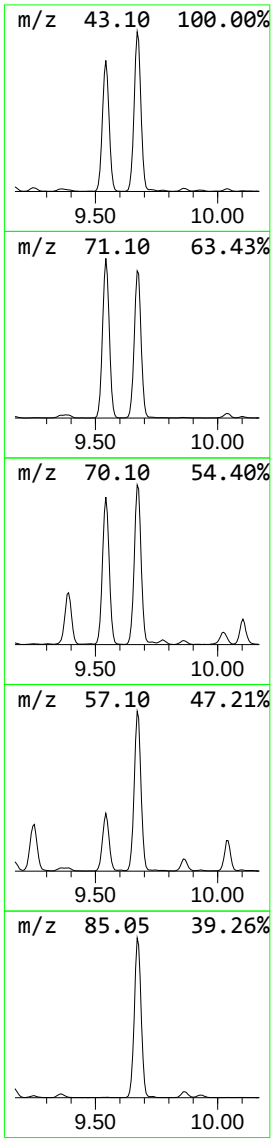
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	234.39 ug/l	5781250	1,4-Difluorobenzene	8.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





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Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

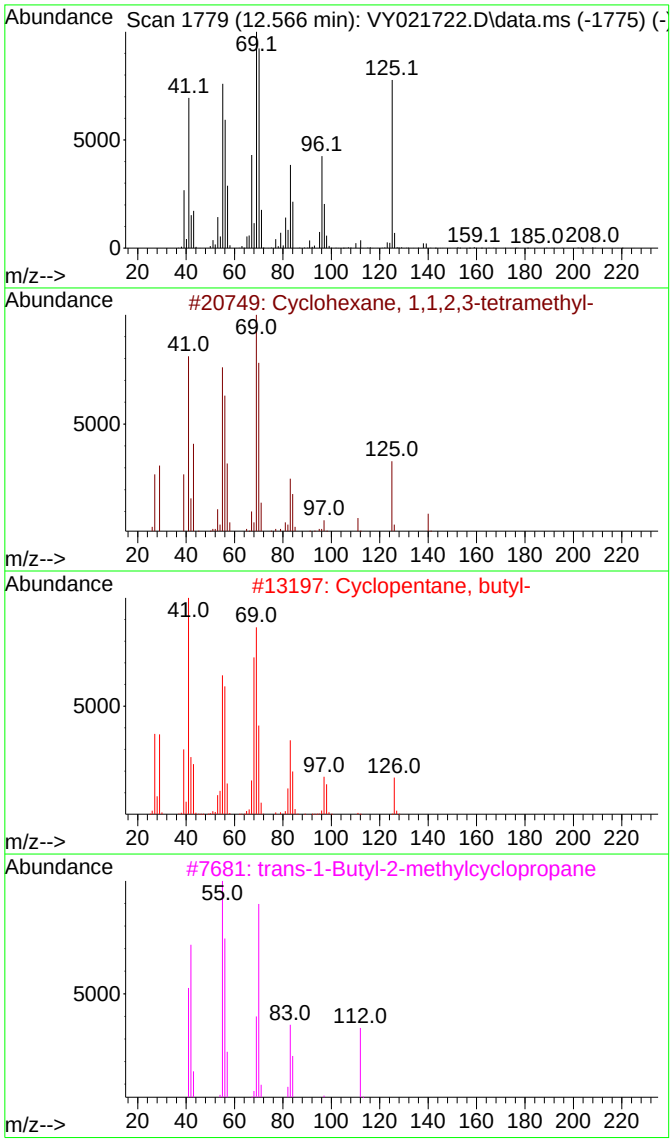
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

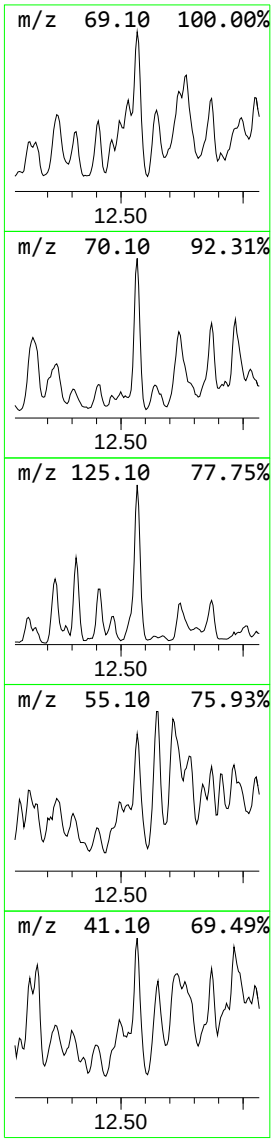
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	57.45 ug/l	1910510	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	50
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	43
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38
4	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	35
5	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	35





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Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

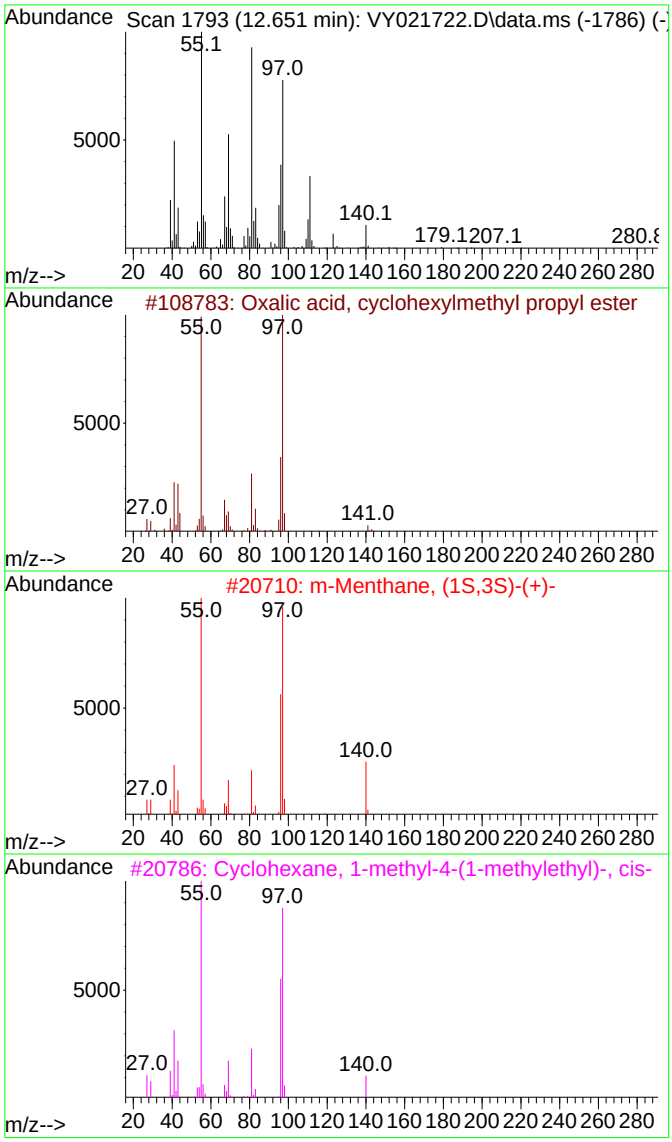
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

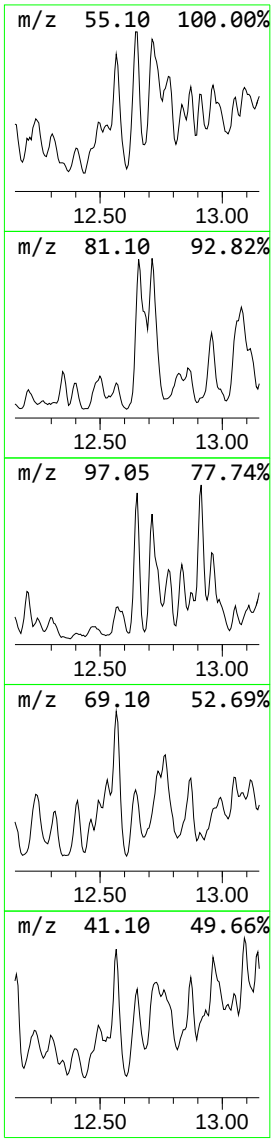
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.652 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.652	63.42 ug/l	2109120	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	46
2	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46





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Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

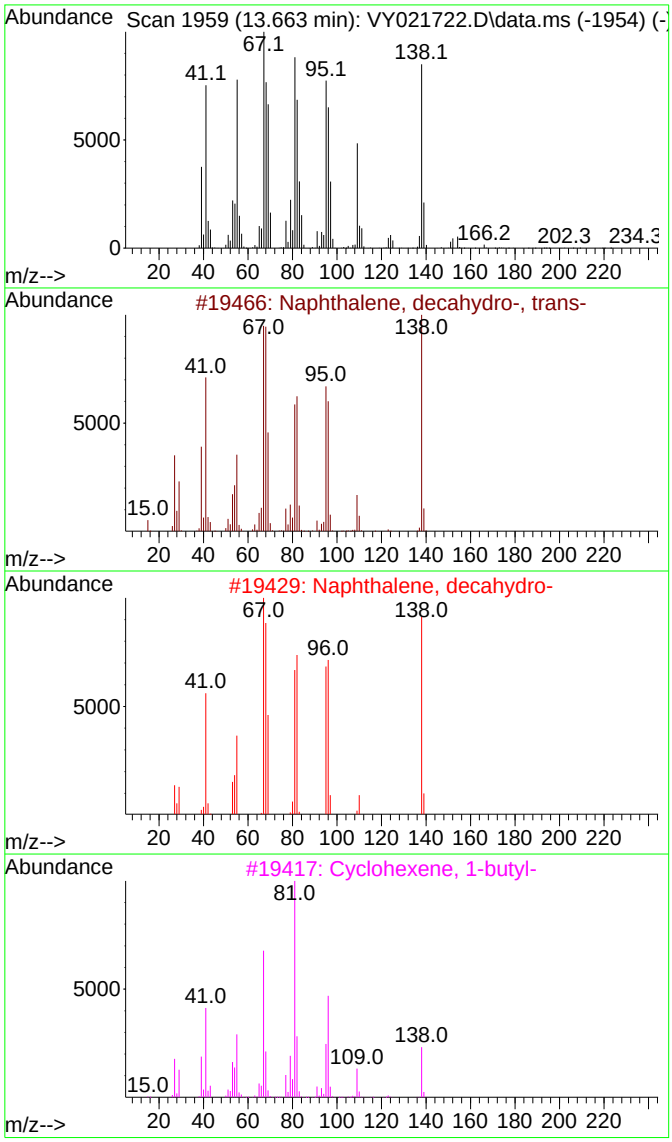
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

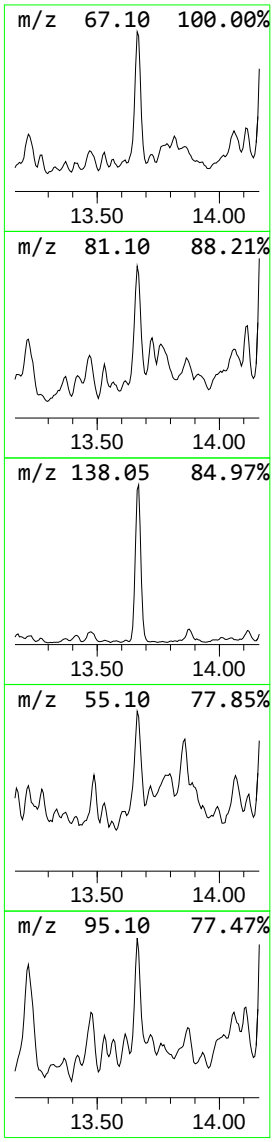
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	105.81 ug/l	3518700	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	90
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

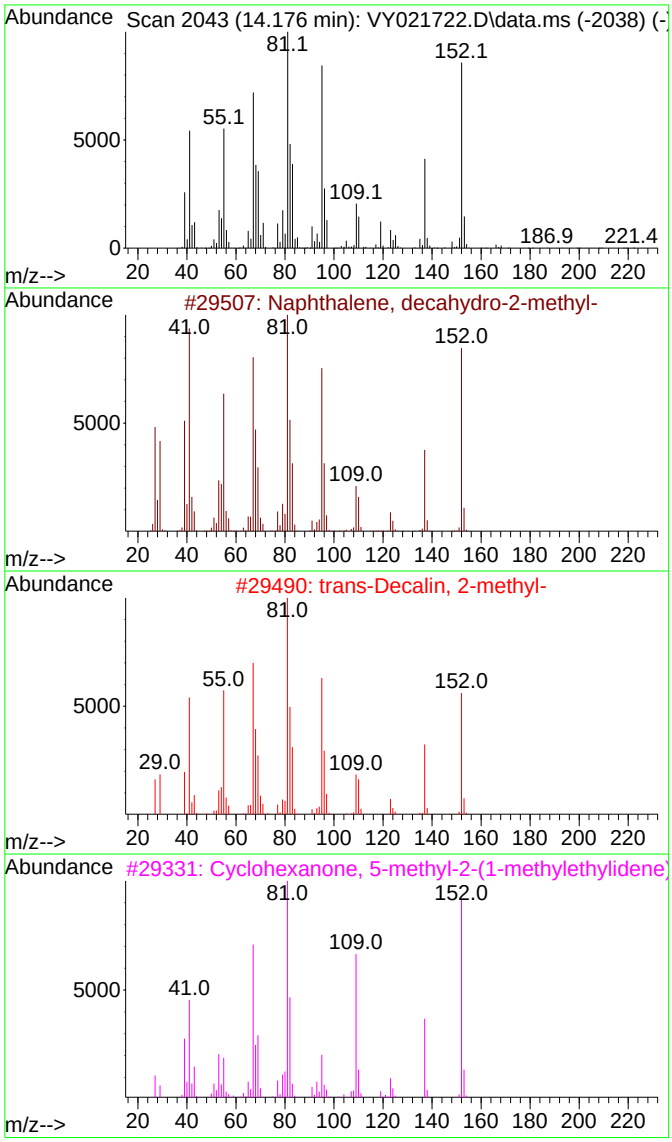
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

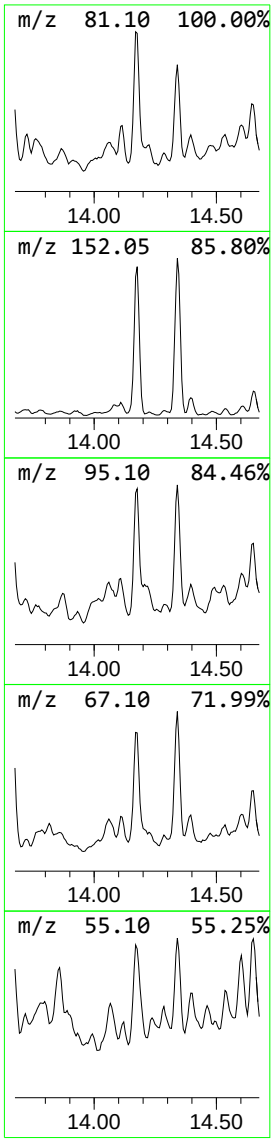
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	129.04 ug/l	4291320	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76
5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	62





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Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

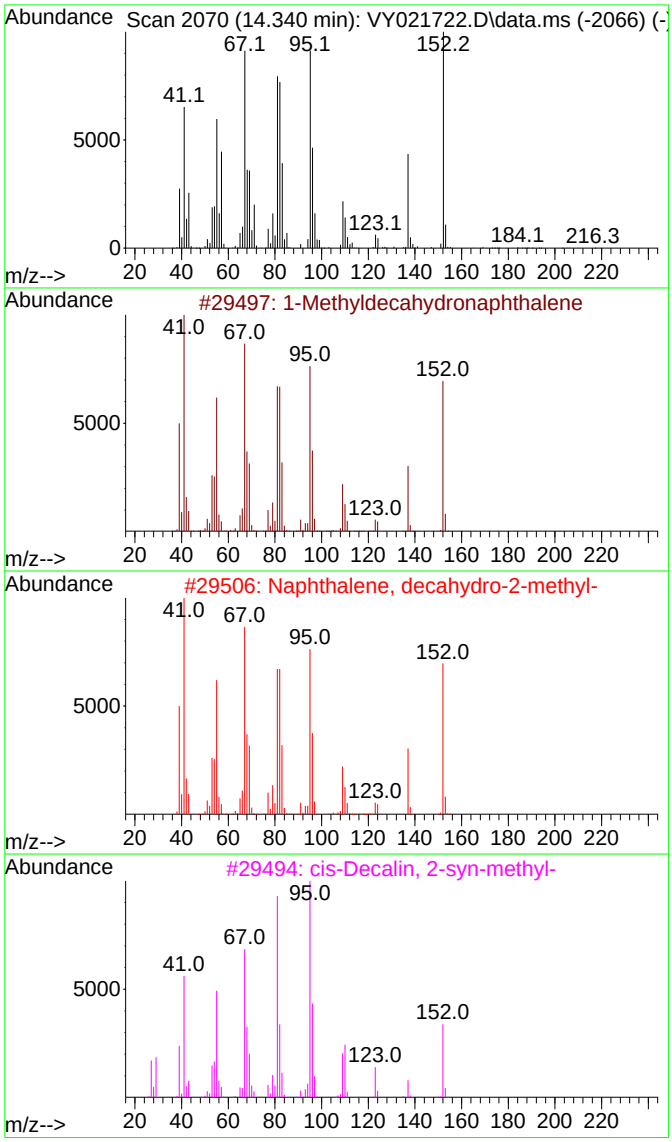
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

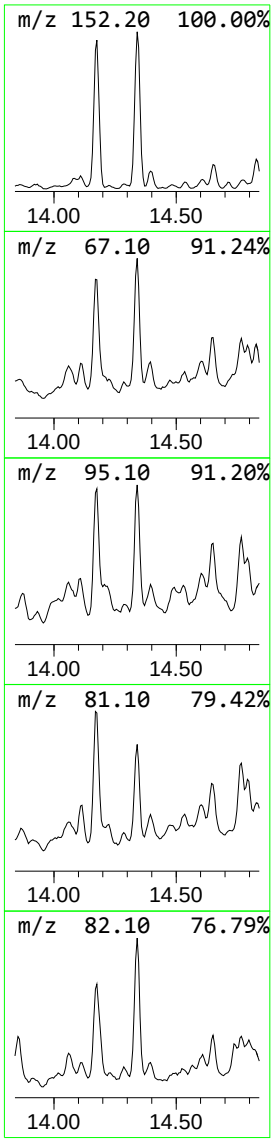
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1-Methyldecahydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	85.69 ug/l	2849570	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68





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Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

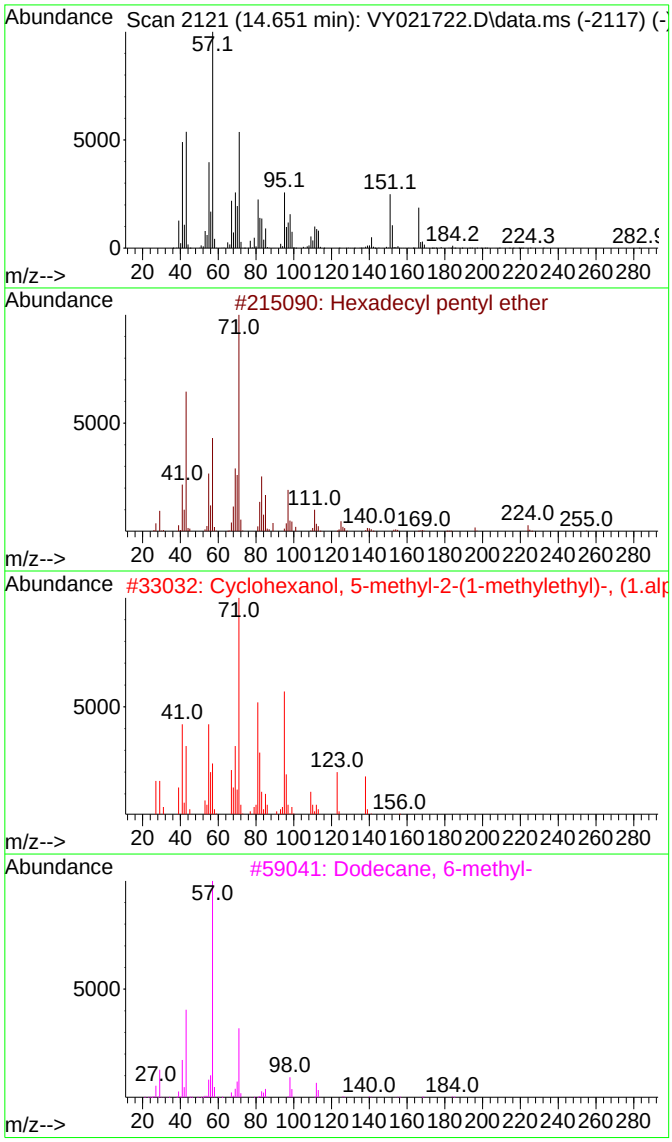
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

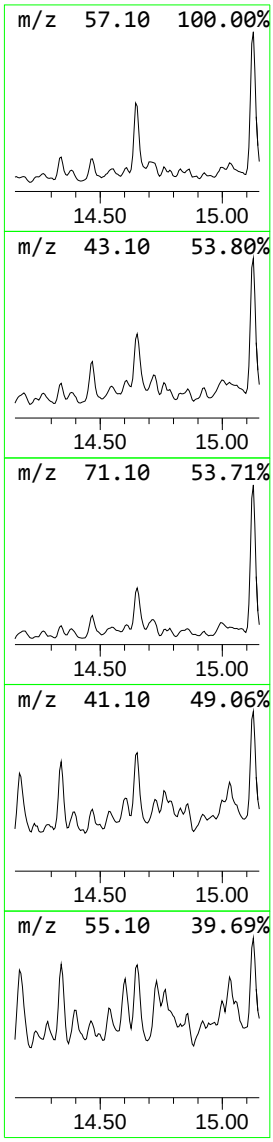
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown14.651 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	91.69 ug/l	3049140	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecyl pentyl ether	312	C21H44O	1000406-41-8	43
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	43
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38
4	2-Methyltetracosane	352	C25H52	001560-78-7	35
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	30





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Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

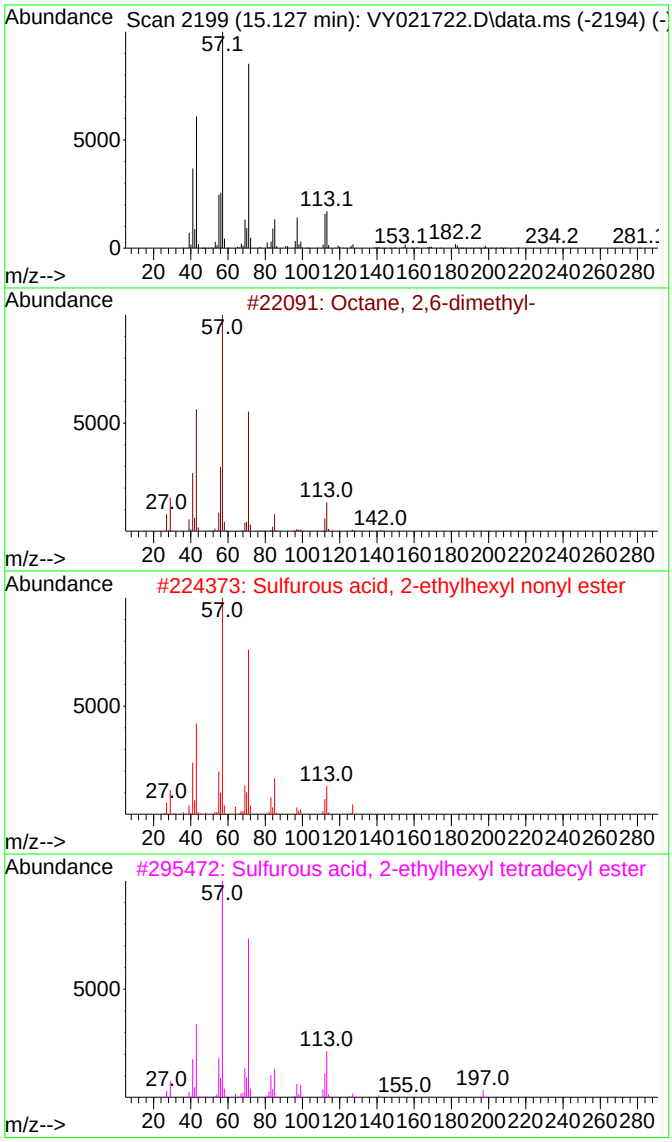
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

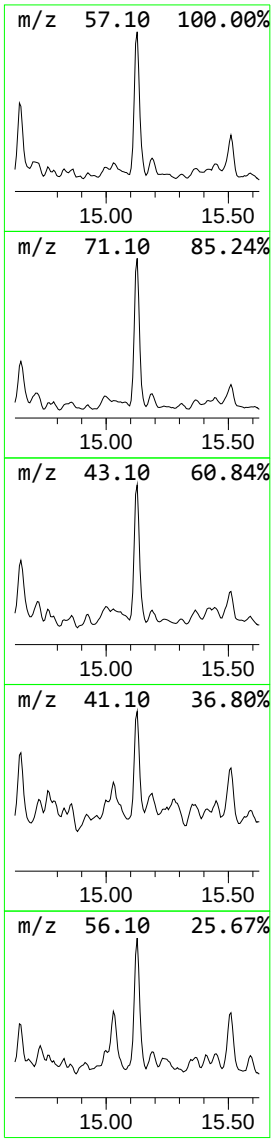
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	119.04 ug/l	3958870	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
3	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	59





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Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

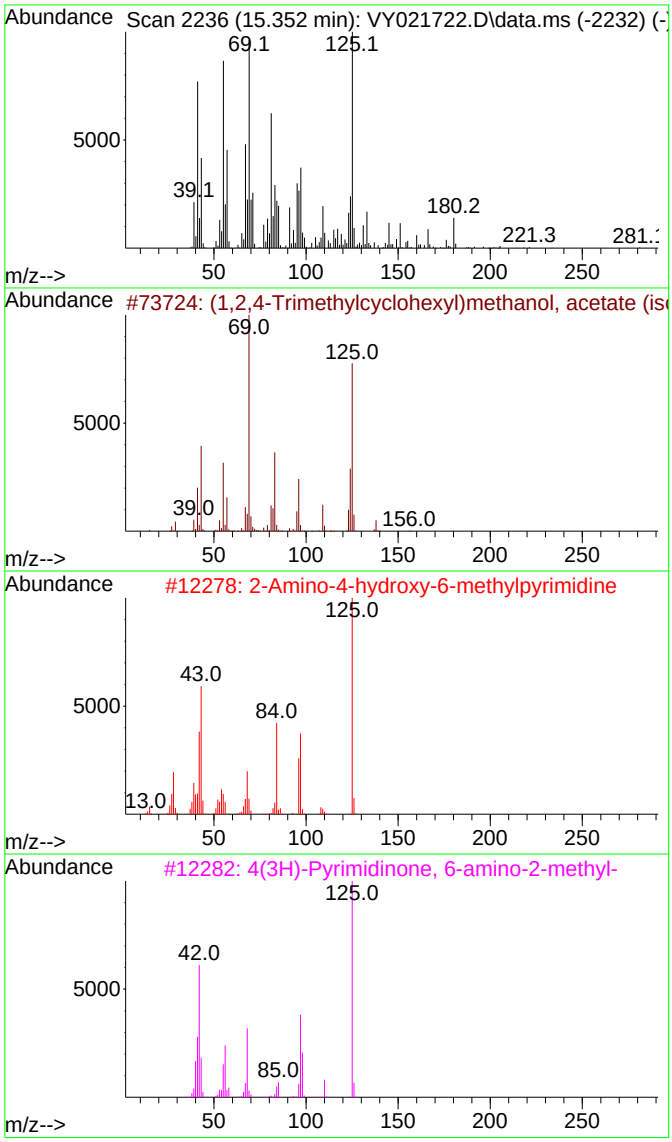
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

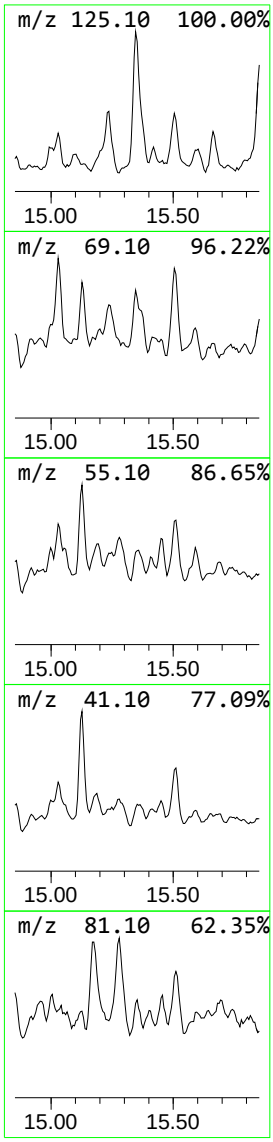
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown15.352 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.352	50.63 ug/l	1683810	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	43
2	2-Amino-4-hydroxy-6-methylpyrimi...	125	C5H7N3O	003977-29-5	25
3	4(3H)-Pyrimidinone, 6-amino-2-me...	125	C5H7N3O	1000338-09-8	25
4	Mandelic acid imine, p-fuoro-	169	C8H8FNO2	1000153-29-2	22
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	22





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Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

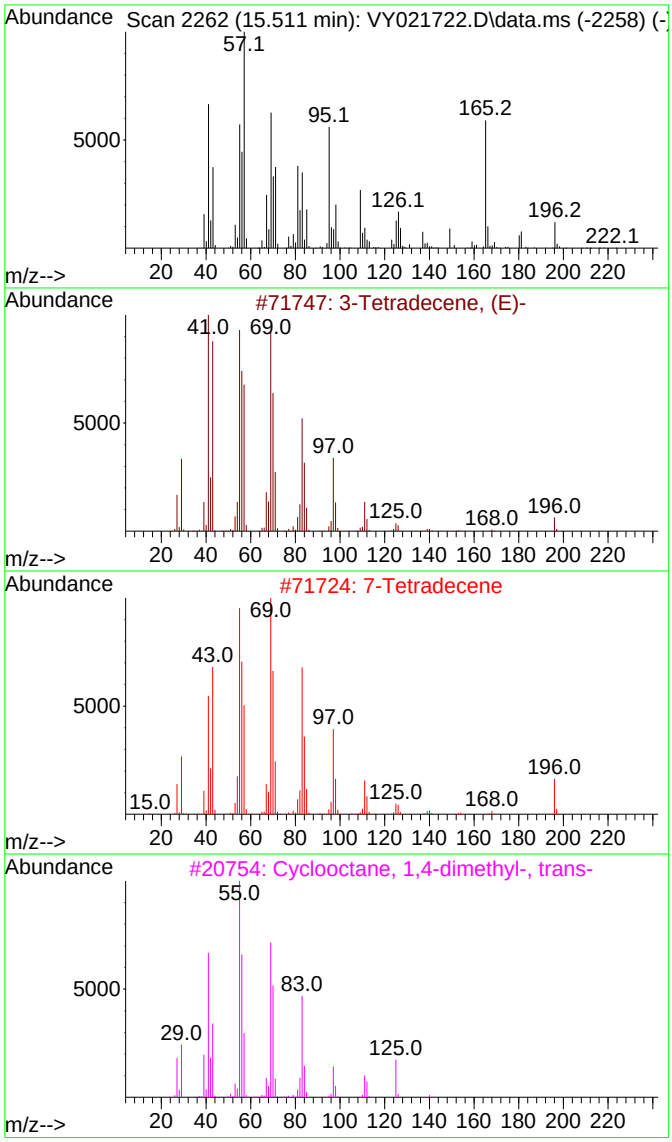
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

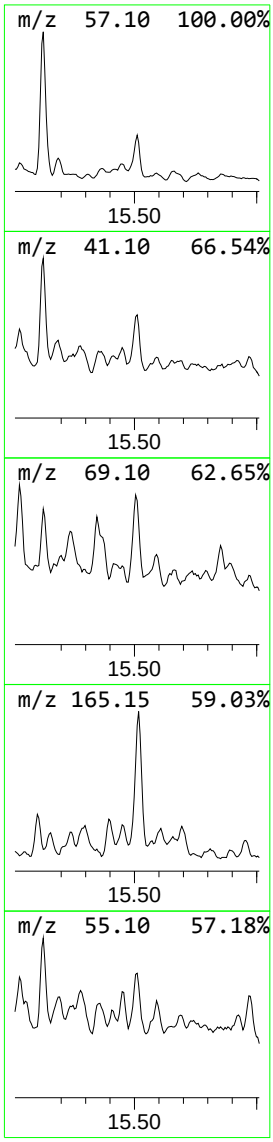
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 unknown15.511 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	75.74 ug/l	2518980	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Tetradecene, (E)-	196	C14H28	041446-68-8	25
2	7-Tetradecene	196	C14H28	010374-74-0	25
3	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	25
4	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	25
5	7-Tetradecene, (E)-	196	C14H28	041446-63-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

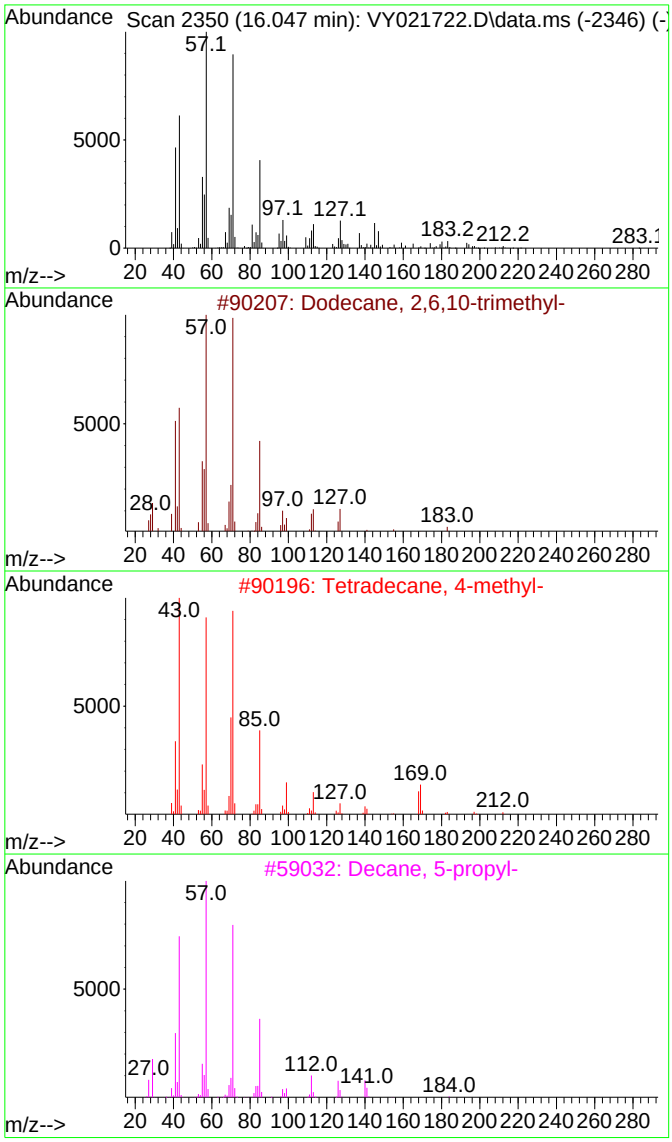
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

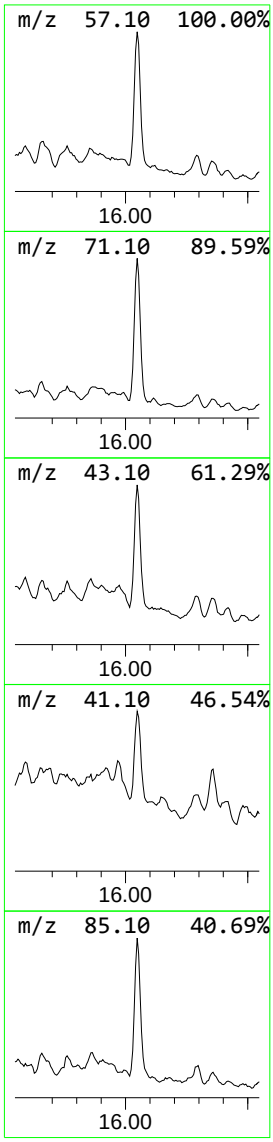
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.047	77.58 ug/l	2579950	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72
3	Decane, 5-propyl-	184	C13H28	017312-62-8	62
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Decane, 3-methyl-	156	C11H24	013151-34-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

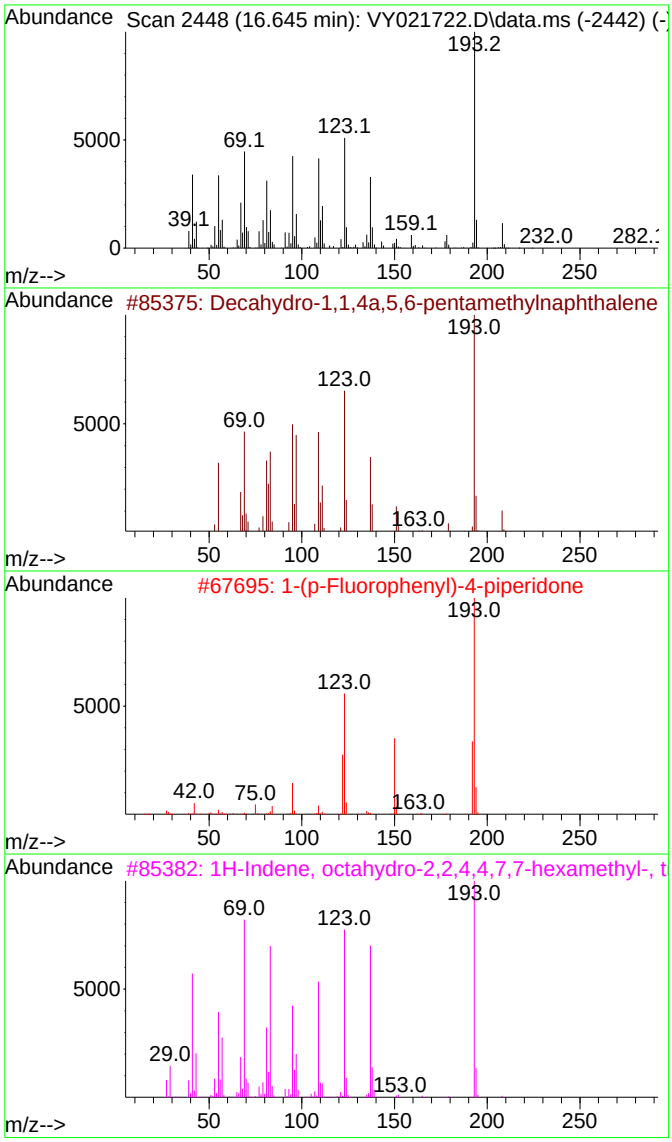
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

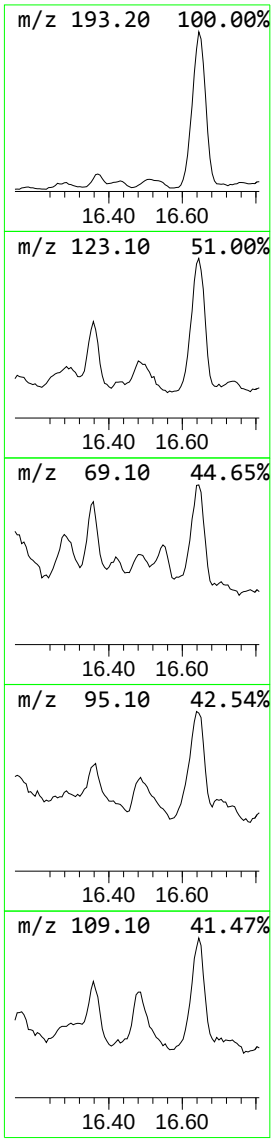
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	72.42 ug/l	2408530	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	83
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	43
3	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	43
4	N-(4-Bromo-2-chlorophenyl)-2-[4-...	425	C17H17BrClN3O3	1000482-48-9	35
5	4',6'-Dimethoxy-2',3'-dimethylac...	208	C12H16O3	1010244-80-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2,4-di...	6.585	63.8	ug/l	1058960	1	7.707	830478	50.0
Hexane, 2,2-dim...	8.244	247.7	ug/l	6110080	2	8.609	1233250	50.0
Pentane, 2,3,4-...	9.542	165.3	ug/l	4078020	2	8.609	1233250	50.0
Pentane, 2,3,3-...	9.670	234.4	ug/l	5781250	2	8.609	1233250	50.0
Cyclohexane, 1,...	12.566	57.5	ug/l	1910510	4	13.347	1662820	50.0
unknown12.652	12.652	63.4	ug/l	2109120	4	13.347	1662820	50.0
Naphthalene, de...	13.664	105.8	ug/l	3518700	4	13.347	1662820	50.0
Naphthalene, de...	14.176	129.0	ug/l	4291320	4	13.347	1662820	50.0
1-Methyldecahyd...	14.340	85.7	ug/l	2849570	4	13.347	1662820	50.0
unknown14.651	14.651	91.7	ug/l	3049140	4	13.347	1662820	50.0
Octane, 2,6-dim...	15.127	119.0	ug/l	3958870	4	13.347	1662820	50.0
unknown15.352	15.352	50.6	ug/l	1683810	4	13.347	1662820	50.0
unknown15.511	15.511	75.7	ug/l	2518980	4	13.347	1662820	50.0
Dodecane, 2,6,1...	16.047	77.6	ug/l	2579950	4	13.347	1662820	50.0
Decahydro-1,1,4...	16.645	72.4	ug/l	2408530	4	13.347	1662820	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Time: Apr 02 03:23:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

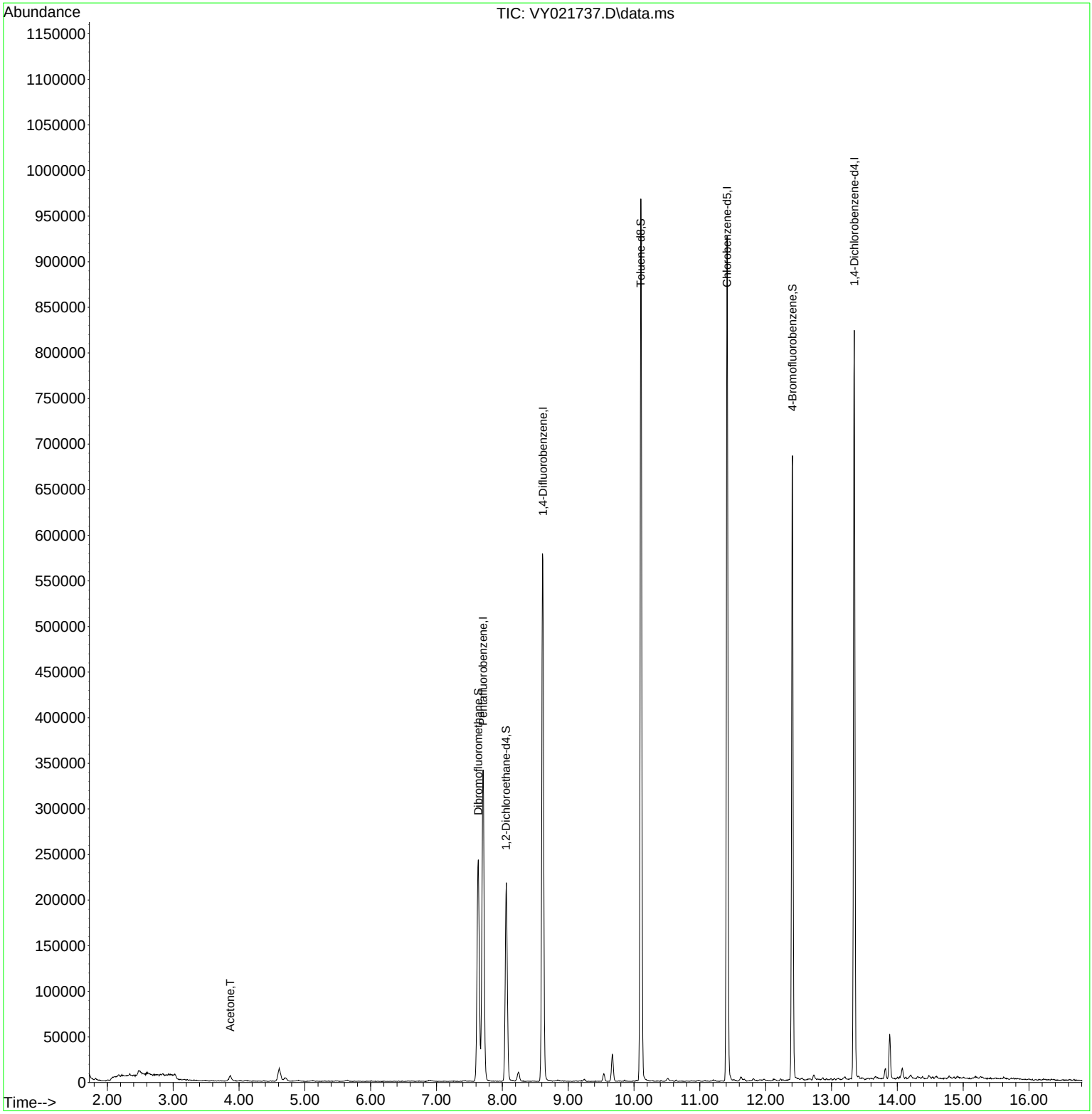
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	488873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	462972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	201176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	169059	60.202	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.400%			
35) Dibromofluoromethane	7.634	113	168115	53.012	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.103	98	605610	50.198	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.408	95	206234	50.539	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.080%			
Target Compounds						Qvalue
16) Acetone	3.867	43	9363	16.291	ug/l	93

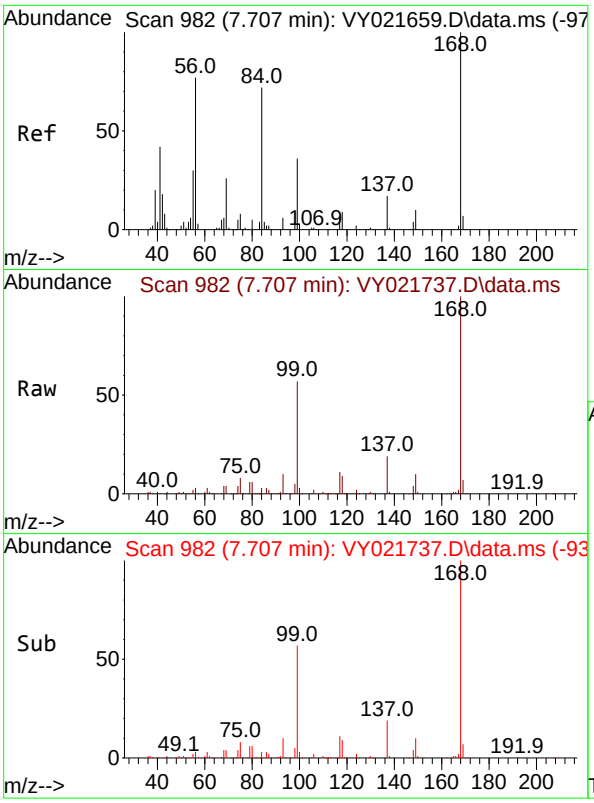
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Time: Apr 02 03:23:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



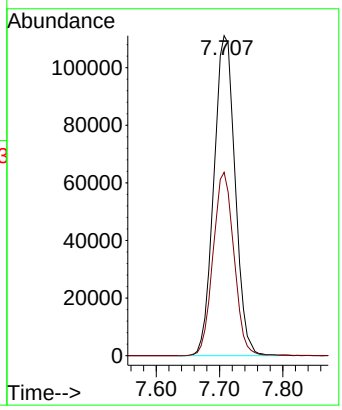


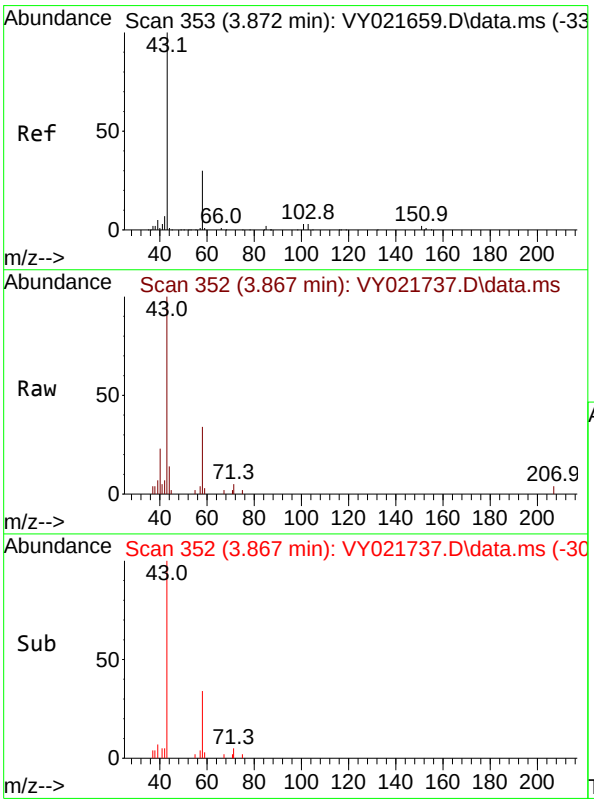
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion:168 Resp: 259184

Ion	Ratio	Lower	Upper
168	100		
99	57.3	46.7	70.1

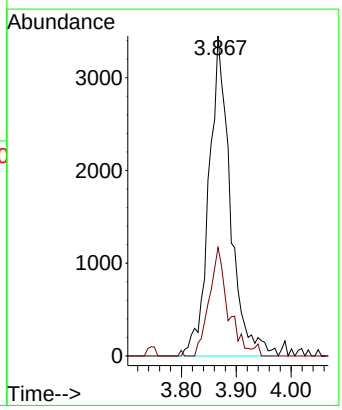


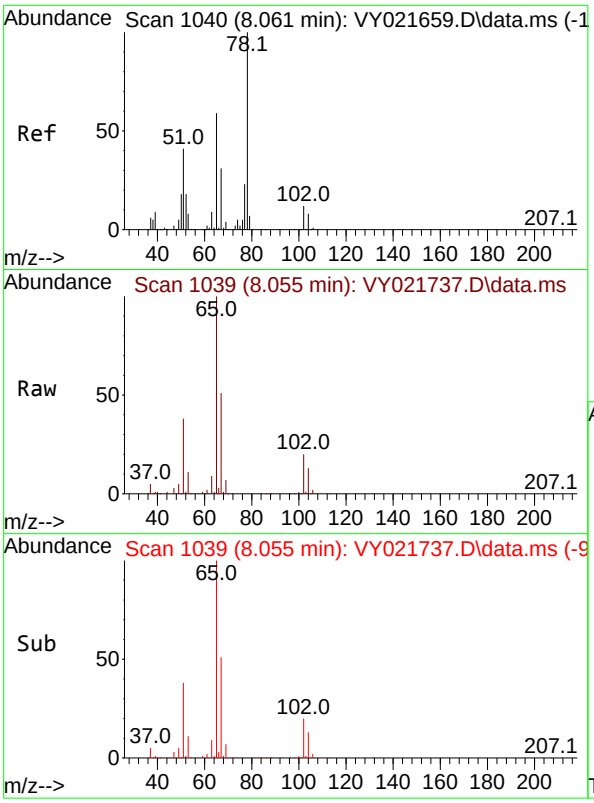


#16
Acetone
Concen: 16.291 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion: 43 Resp: 9363

Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.2	36.4



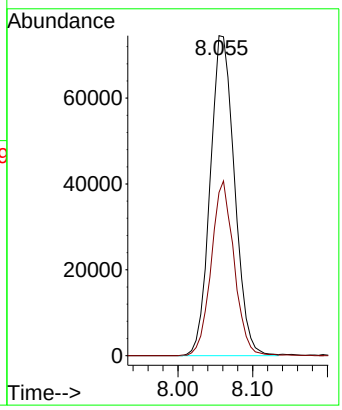


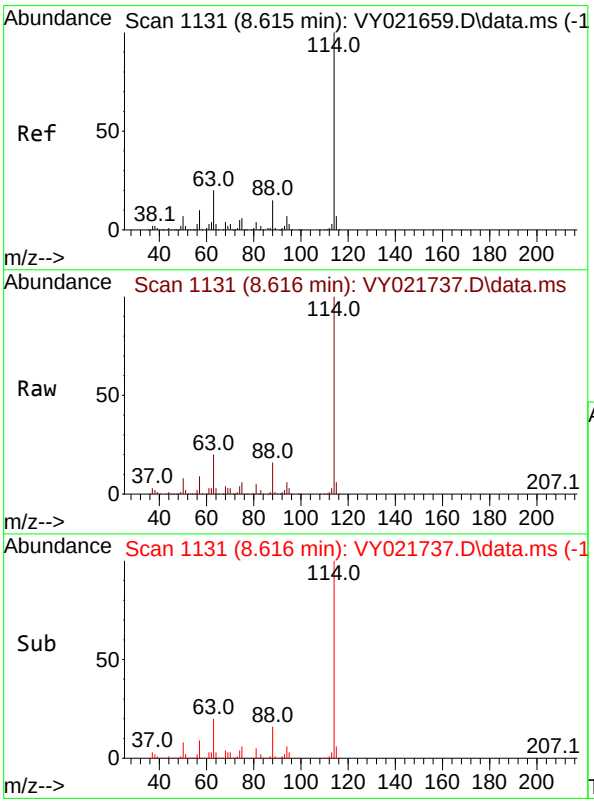
#33
1,2-Dichloroethane-d4
Concen: 60.202 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion: 65 Resp: 169059

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

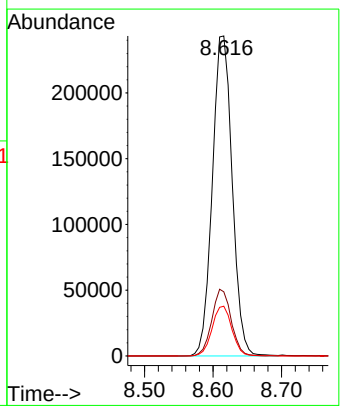


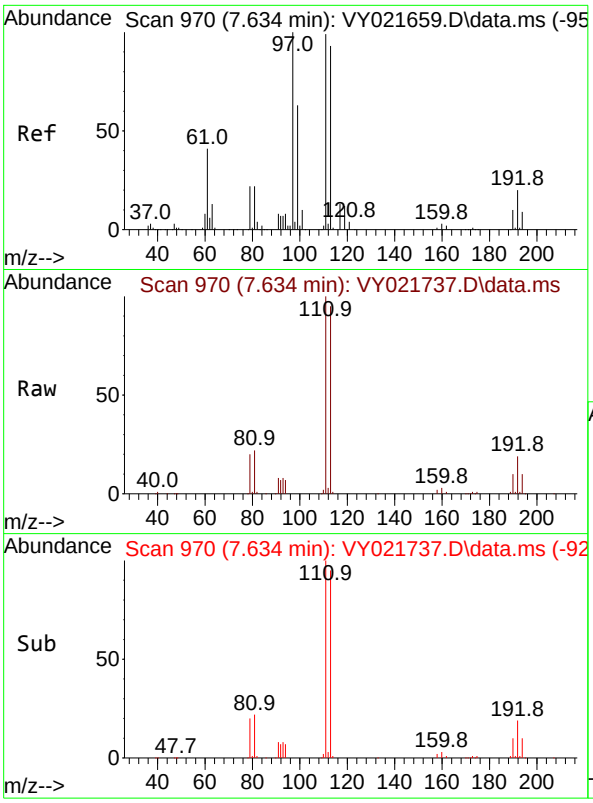


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion:114 Resp: 488873

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	15.5	0.0	29.8



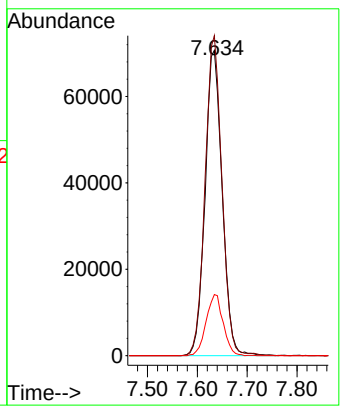


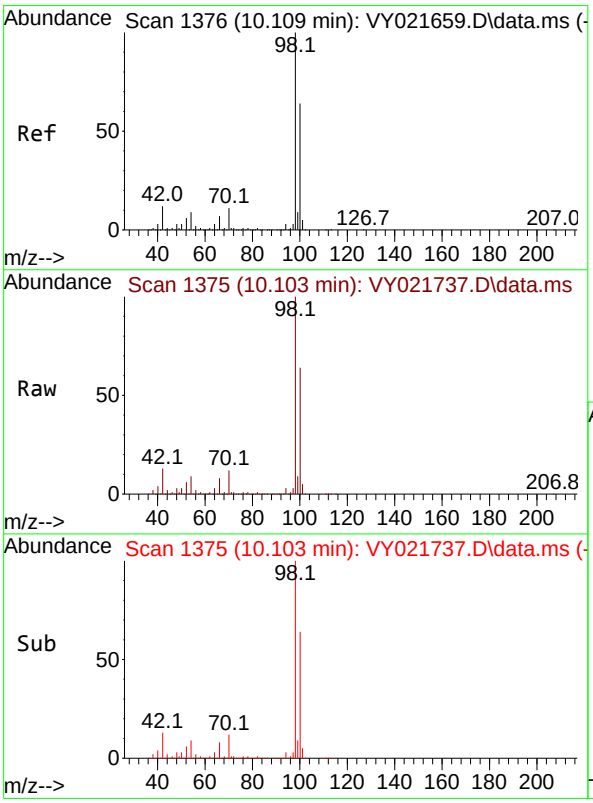
#35
Dibromofluoromethane
Concen: 53.012 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion:113 Resp: 168115

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.9	16.2	24.4

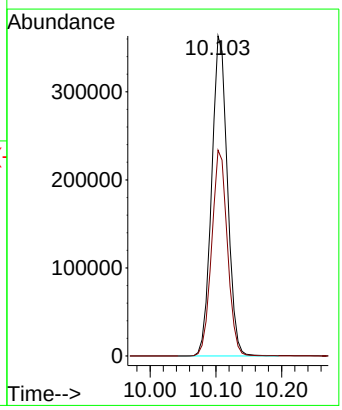


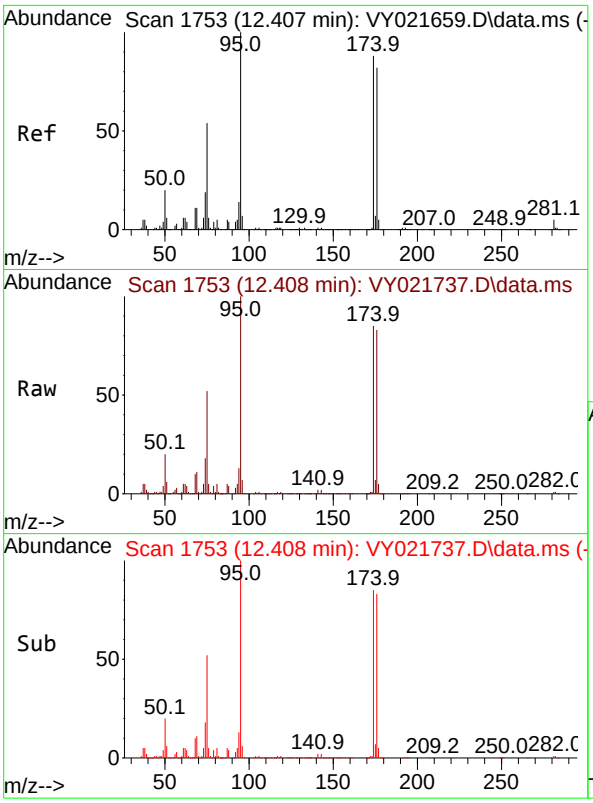


#50
Toluene-d8
Concen: 50.198 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion: 98 Resp: 605610

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



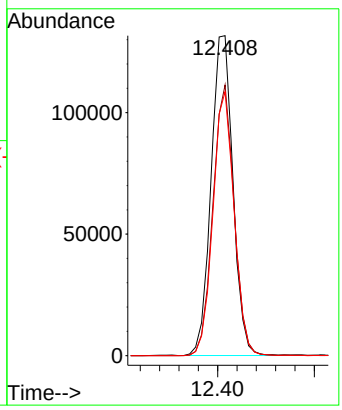


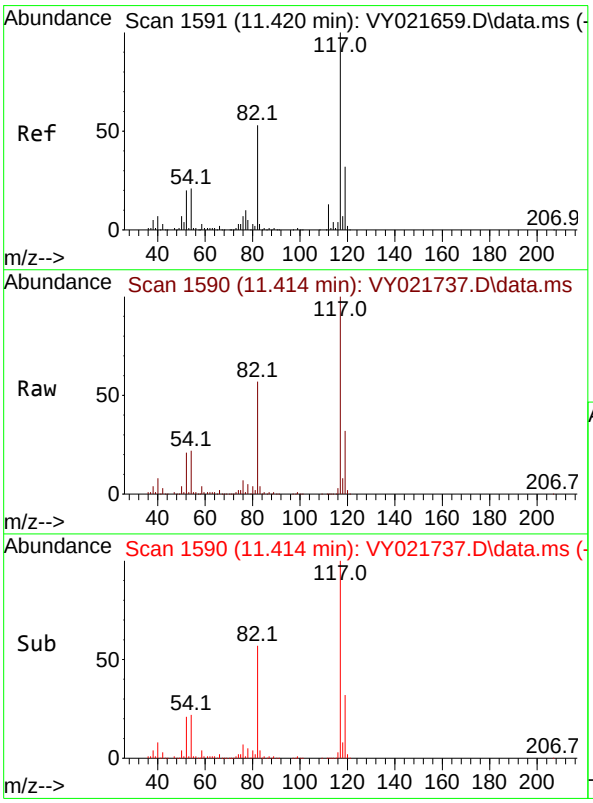
#62
4-Bromofluorobenzene
Concen: 50.539 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion: 95 Resp: 206234

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	170.8
176	80.1	0.0	162.0

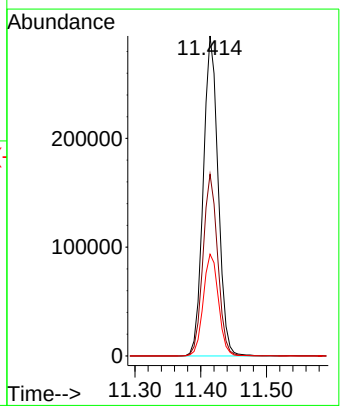


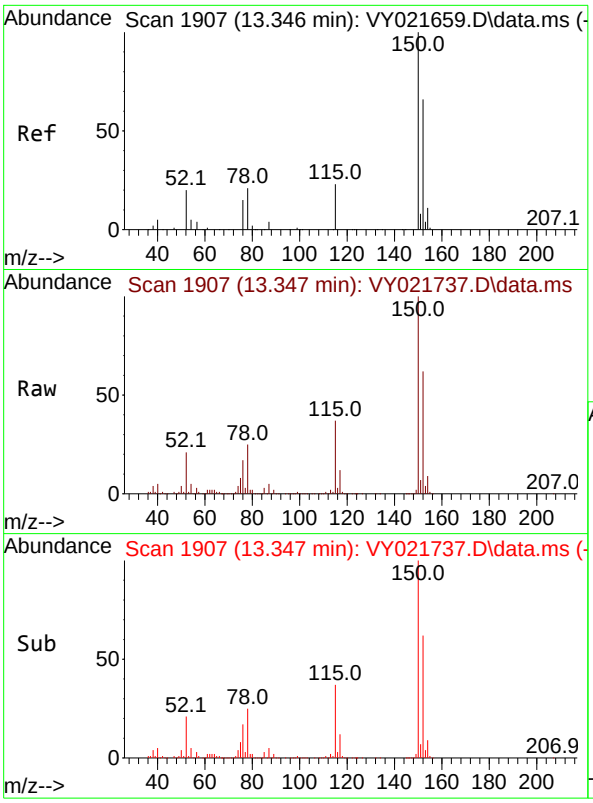


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion:117 Resp: 462972

Ion	Ratio	Lower	Upper
117	100		
82	56.8	42.8	64.2
119	31.8	25.7	38.5



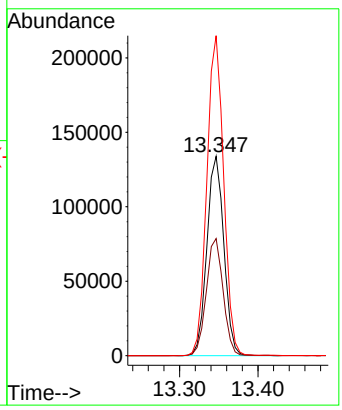


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion:152 Resp: 201176

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	159.2	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021737.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	340	352	360	rBV2	6168	17115	1.06%	0.196%
2	4.610	464	474	482	rBV2	14352	41075	2.54%	0.472%
3	7.634	958	970	976	rBV2	243127	579654	35.89%	6.655%
4	7.707	976	982	996	rVB	341087	777082	48.11%	8.922%
5	8.061	1028	1040	1050	rBV	218088	478668	29.63%	5.496%
6	8.244	1061	1070	1080	rVB3	10091	25337	1.57%	0.291%
7	8.610	1121	1130	1144	rBV	578716	1162390	71.96%	13.345%
8	9.542	1277	1283	1291	rVB5	8423	16660	1.03%	0.191%
9	9.670	1297	1304	1312	rBV2	29629	59938	3.71%	0.688%
10	10.103	1368	1375	1388	rBV	967203	1615287	100.00%	18.545%
11	11.414	1581	1590	1602	rBV	926574	1472174	91.14%	16.902%
12	12.408	1745	1753	1760	rBV	684237	1088698	67.40%	12.499%
13	13.347	1900	1907	1915	rBV	820833	1253836	77.62%	14.395%
14	13.822	1979	1985	1989	rVB2	11226	19312	1.20%	0.222%
15	13.883	1989	1995	2003	rBV2	48932	80805	5.00%	0.928%
16	14.078	2021	2027	2032	rVB7	11552	22113	1.37%	0.254%

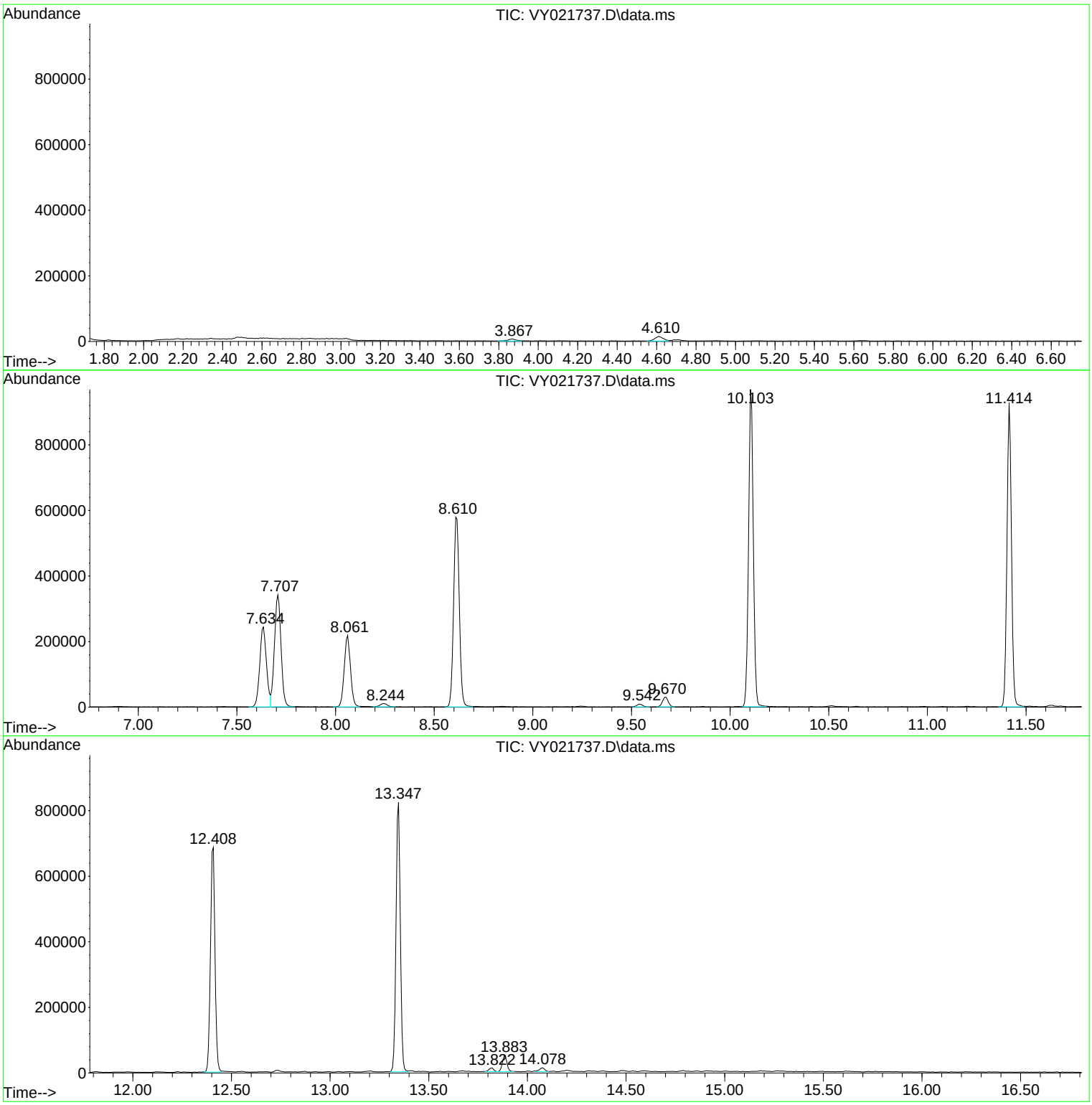
Sum of corrected areas: 8710144

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Time: Apr 01 05:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

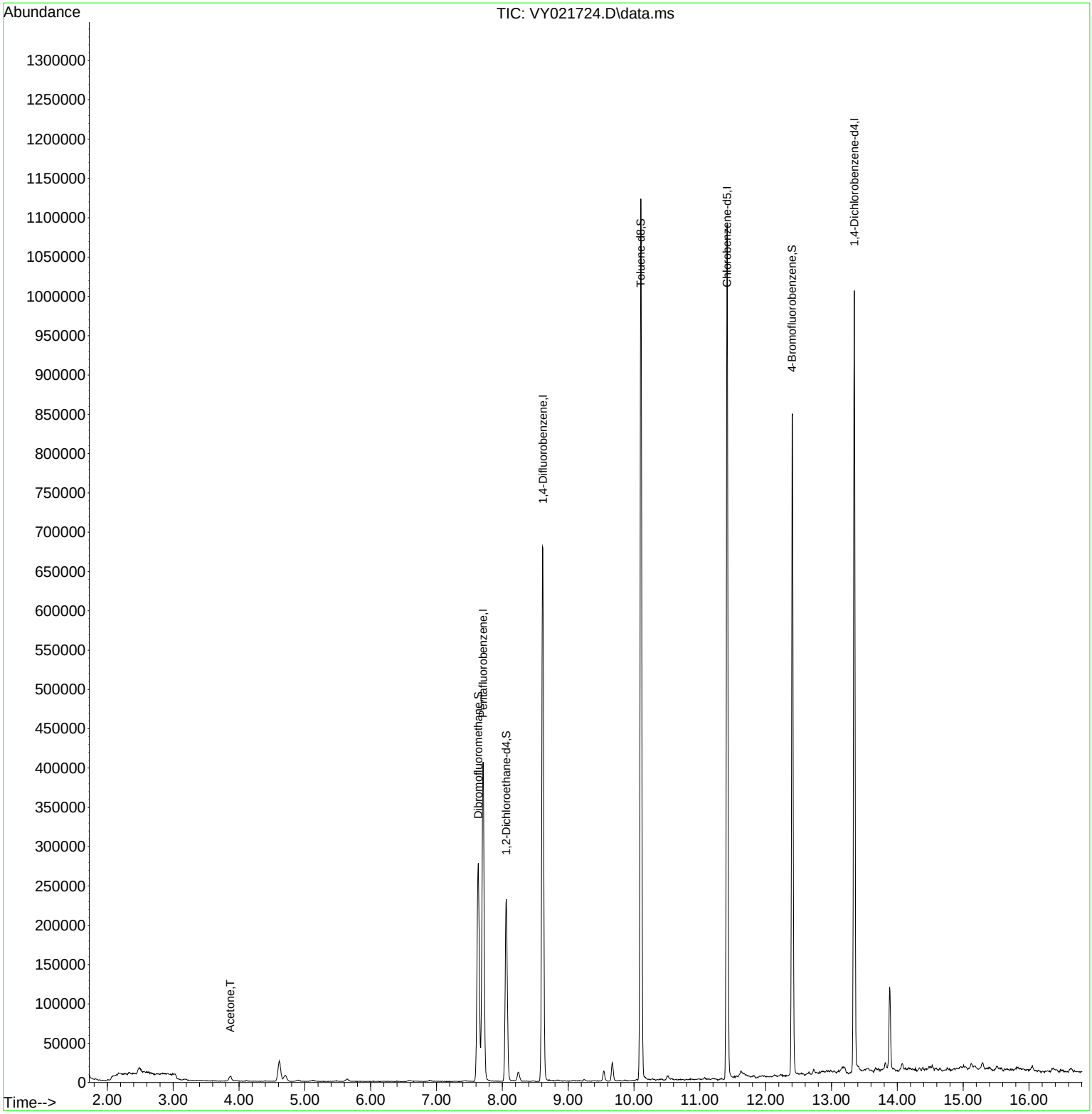
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	303922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	578602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186392	56.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.200%			
35) Dibromofluoromethane	7.634	113	195493	52.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.180%			
50) Toluene-d8	10.103	98	709429	49.685	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.401	95	255994	53.004	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.000%			
Target Compounds						Qvalue
16) Acetone	3.866	43	9920	14.720	ug/l	93

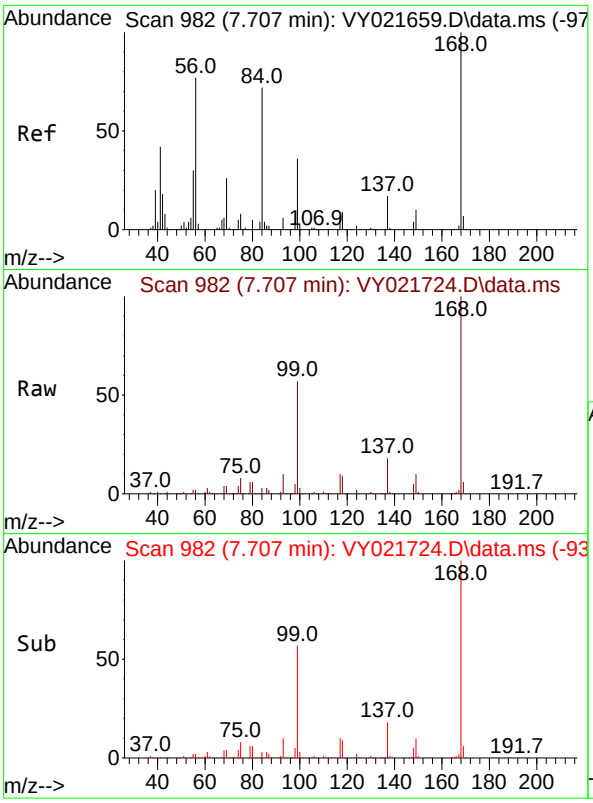
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Time: Apr 01 05:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



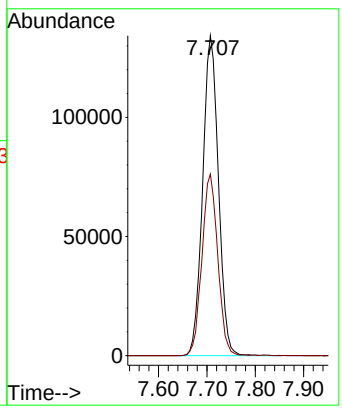


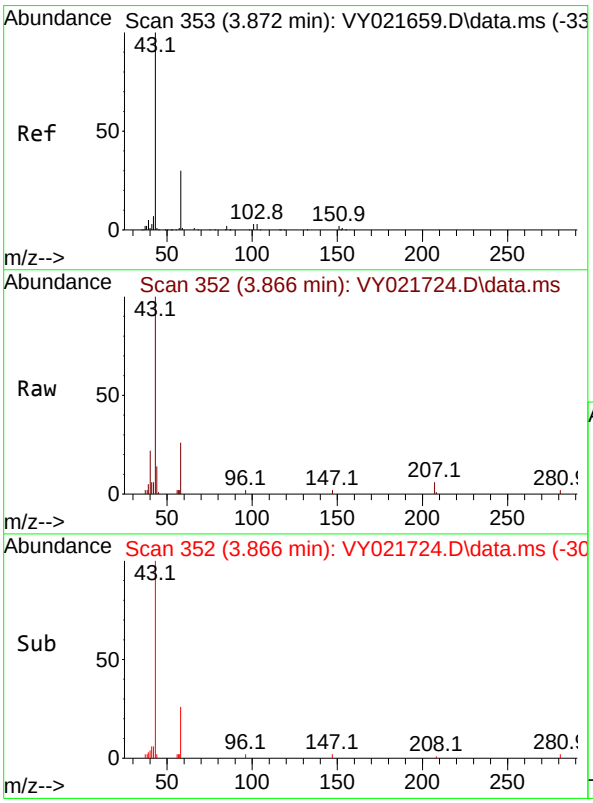
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion:168 Resp: 303922

Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1

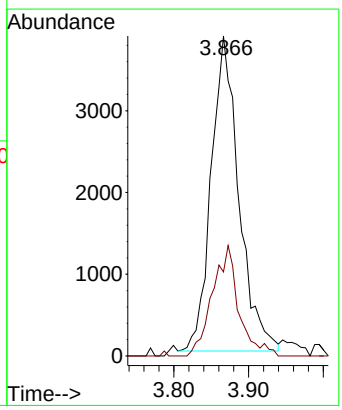




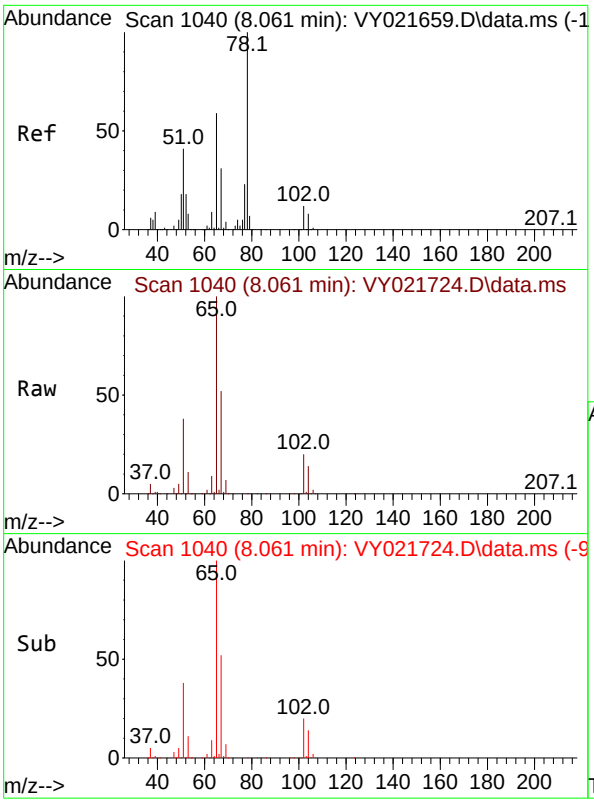
#16
Acetone
Concen: 14.720 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 43 Resp: 9920

Ion	Ratio	Lower	Upper
43	100		
58	26.7	24.2	36.4



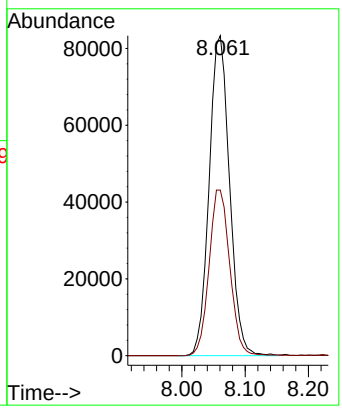
Instrument :
MSVOA_Y
ClientSampleId :
T4

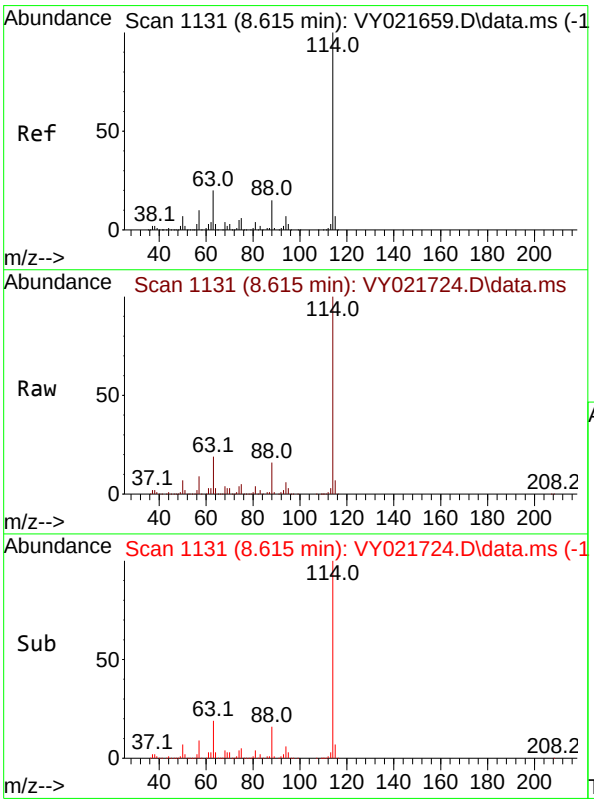


#33
1,2-Dichloroethane-d4
Concen: 56.604 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 65 Resp: 186392

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6

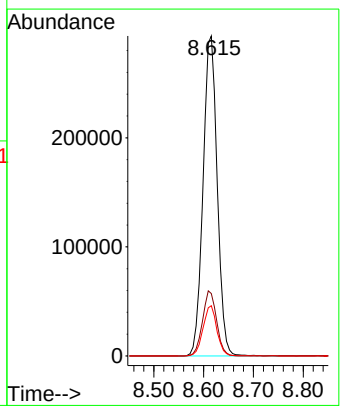


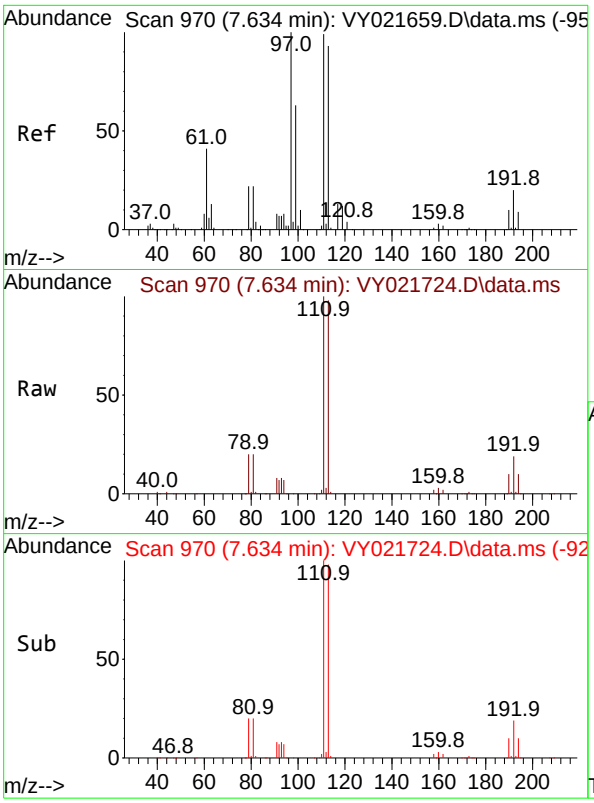


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion:114 Resp: 578602

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.7	0.0	29.8



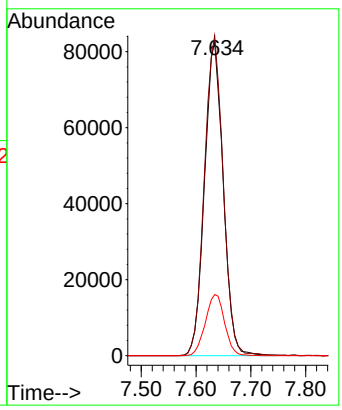


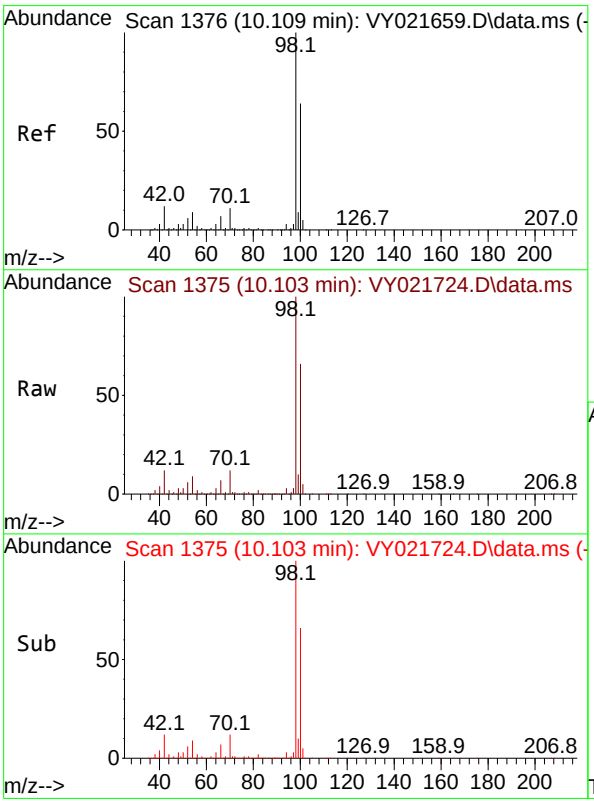
#35
Dibromofluoromethane
Concen: 52.086 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion:113 Resp: 195493

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.0	16.2	24.4

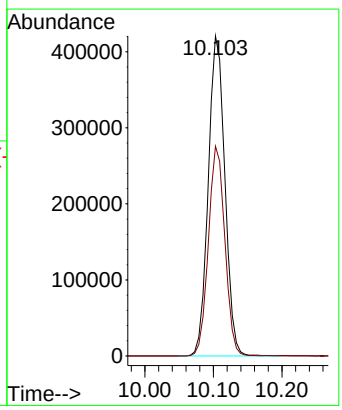


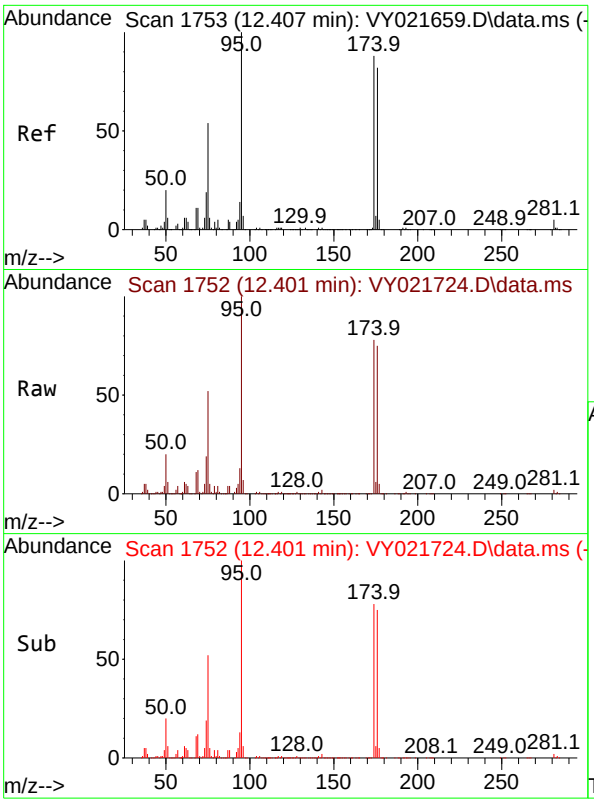


#50
Toluene-d8
Concen: 49.685 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 98 Resp: 709429

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1



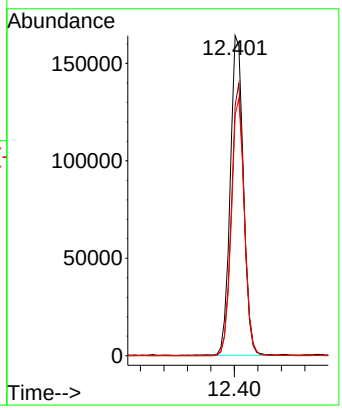


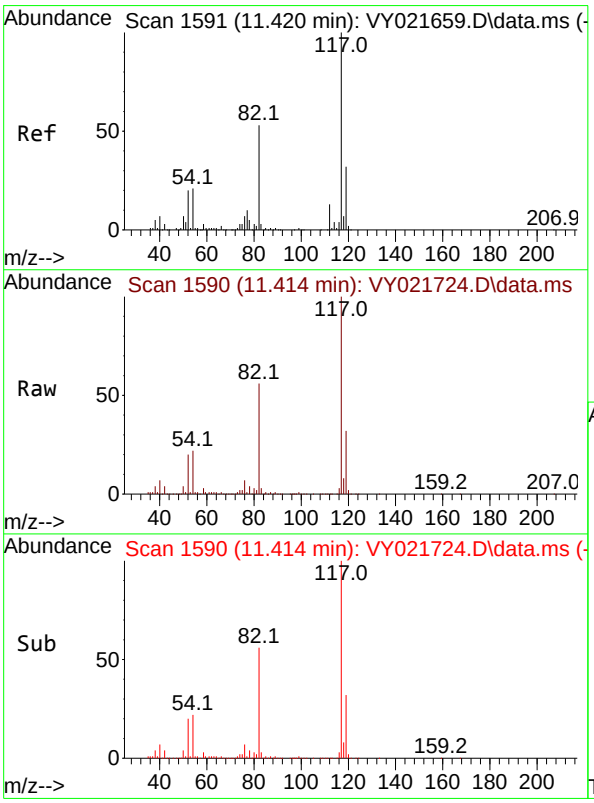
#62
4-Bromofluorobenzene
Concen: 53.004 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion: 95 Resp: 255994

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	170.8
176	79.4	0.0	162.0

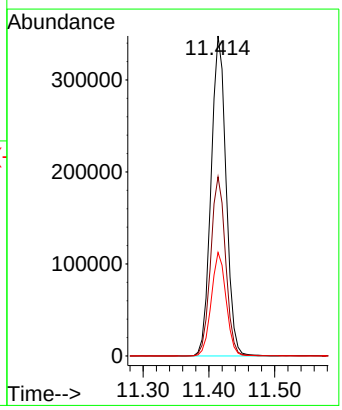


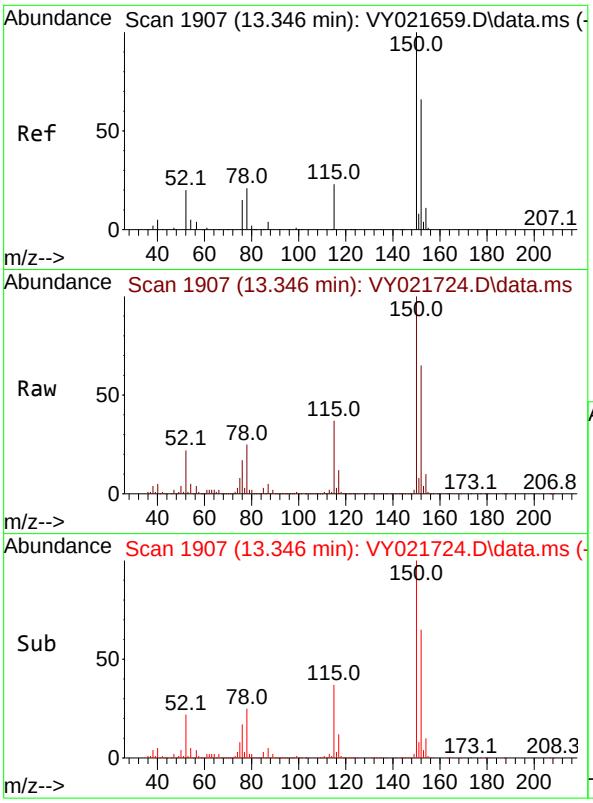


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion:117 Resp: 553448

Ion	Ratio	Lower	Upper
117	100		
82	56.0	42.8	64.2
119	32.4	25.7	38.5



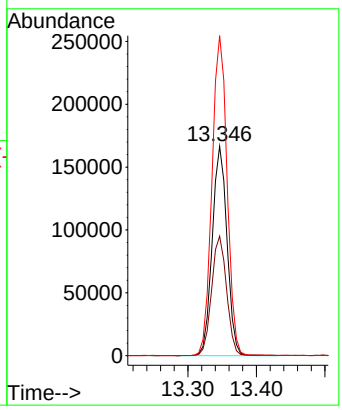


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion:152 Resp: 250658

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.5
150	156.0	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021724.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	463	474	483	rBV2	26290	79582	4.20%	0.764%
2	4.708	483	490	501	rVB2	7624	25711	1.36%	0.247%
3	7.634	959	970	976	rBV2	277790	670365	35.39%	6.436%
4	7.707	976	982	1004	rVB	406239	917182	48.42%	8.806%
5	8.061	1030	1040	1051	rBV	231862	523861	27.66%	5.029%
6	8.244	1059	1070	1079	rVB3	11769	32464	1.71%	0.312%
7	8.609	1121	1130	1144	rBV	680191	1356695	71.63%	13.025%
8	9.542	1277	1283	1293	rVB2	13109	27723	1.46%	0.266%
9	9.670	1296	1304	1311	rBV2	23563	48186	2.54%	0.463%
10	10.103	1367	1375	1384	rBV	1121330	1894123	100.00%	18.185%
11	11.414	1583	1590	1605	rBV	1087186	1730856	91.38%	16.618%
12	11.627	1617	1625	1630	rBV9	7960	22359	1.18%	0.215%
13	12.407	1746	1753	1762	rBV	840129	1369661	72.31%	13.150%
14	13.346	1900	1907	1924	rBV	994000	1541084	81.36%	14.796%
15	13.883	1989	1995	2003	rVB2	104458	175949	9.29%	1.689%

Sum of corrected areas: 10415801

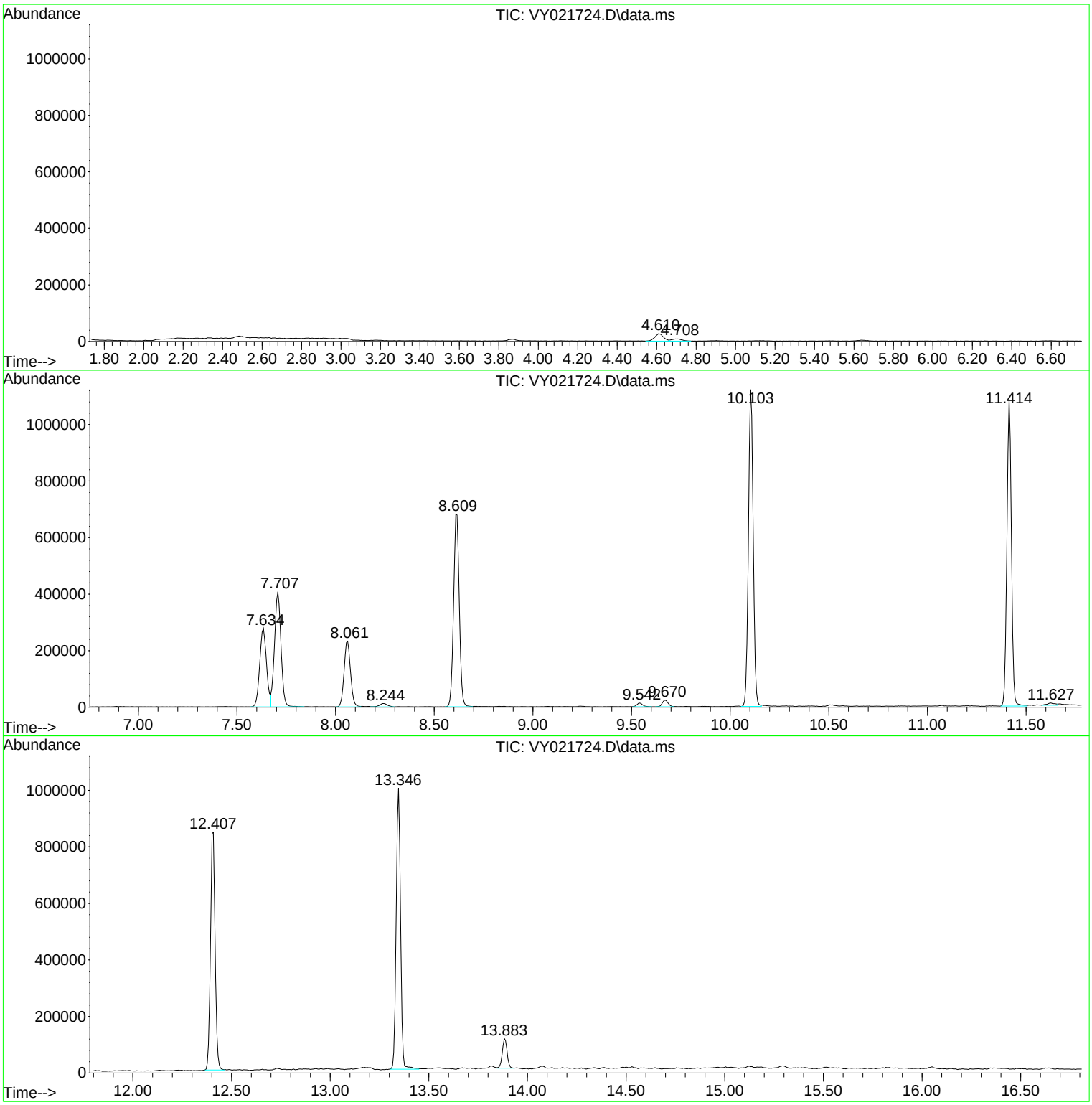
Sample Results: **VY021724.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Time: Apr 01 05:40:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

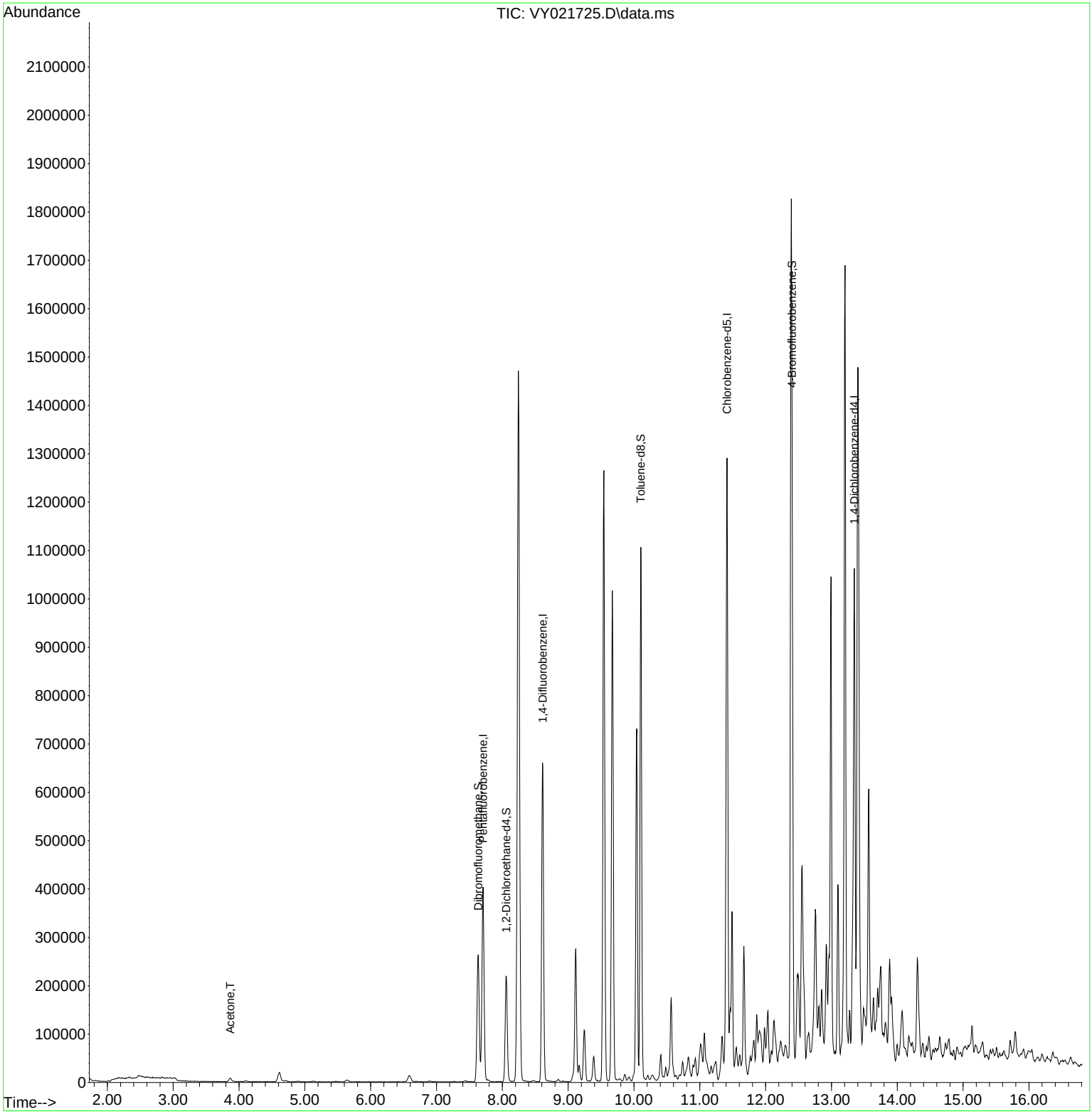
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	564649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	244186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174552	53.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.320%			
35) Dibromofluoromethane	7.634	113	184812	50.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.103	98	704549	50.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.401	95	257657	54.667	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.340%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12838	19.284	ug/l	98

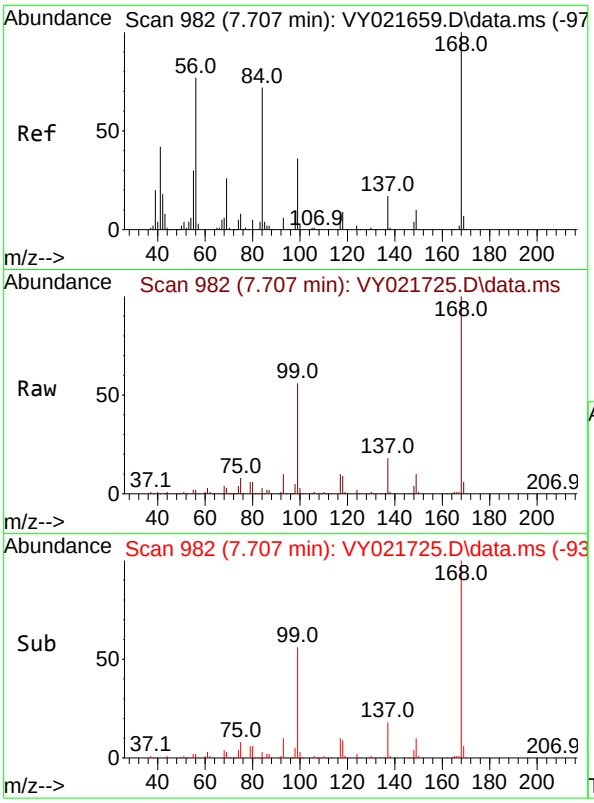
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Time: Apr 01 05:40:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



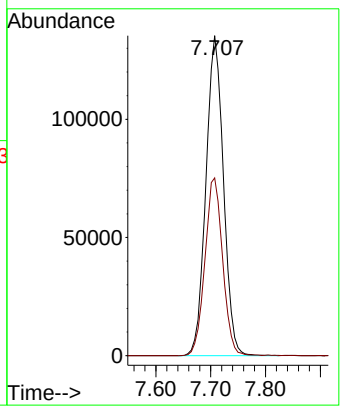


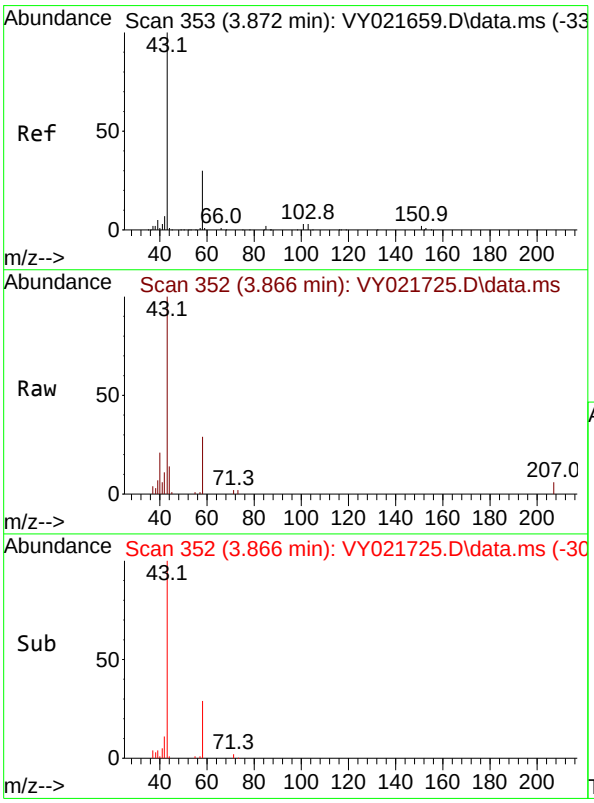
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion:168 Resp: 300228

Ion	Ratio	Lower	Upper
168	100		
99	55.5	46.7	70.1

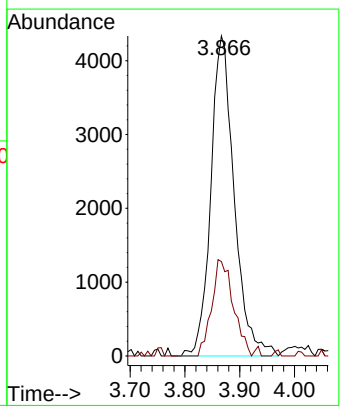


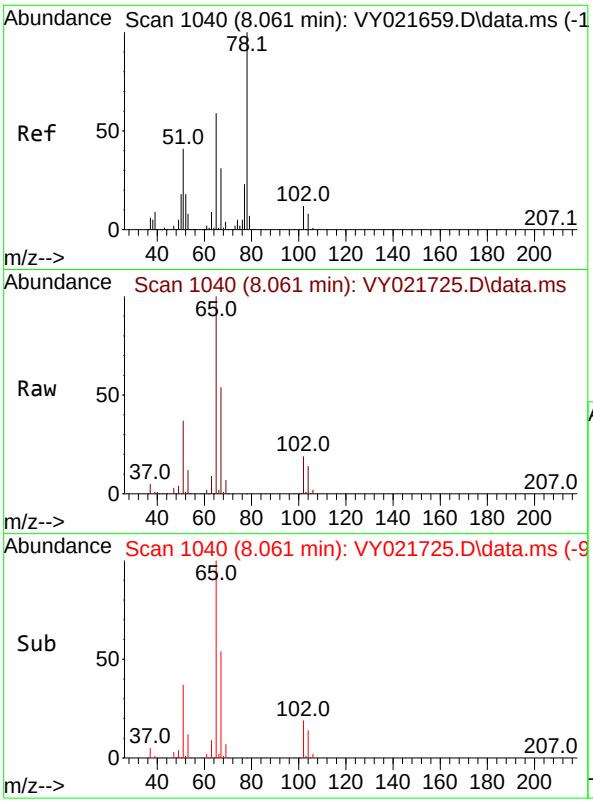


#16
Acetone
Concen: 19.284 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 43 Resp: 12838

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4



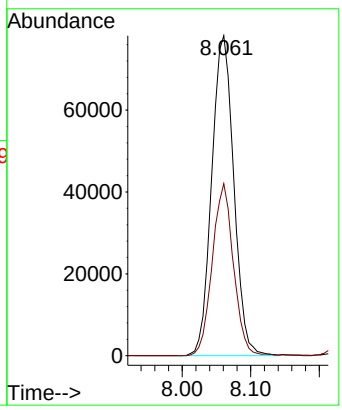


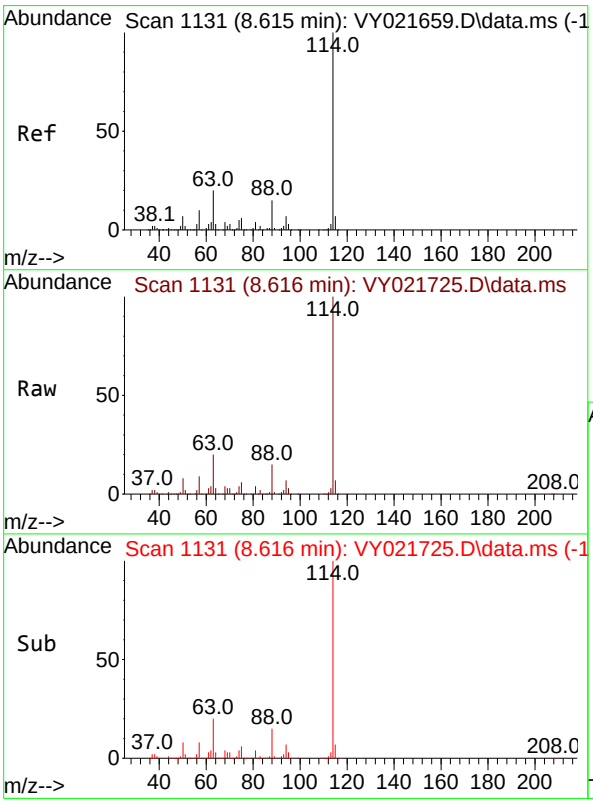
#33
1,2-Dichloroethane-d4
Concen: 53.661 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion: 65 Resp: 174552

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6

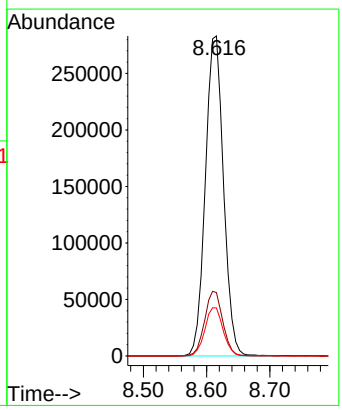


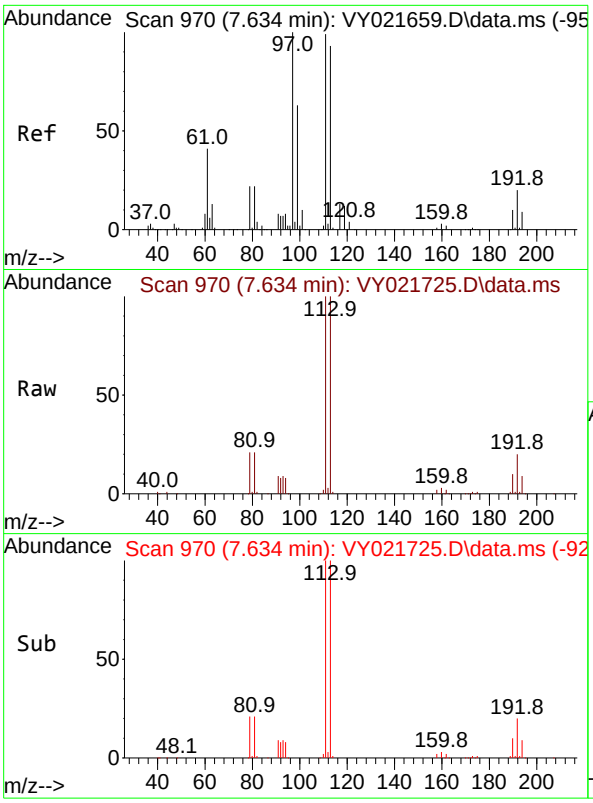


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion:114 Resp: 564649

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.2
88	15.0	0.0	29.8



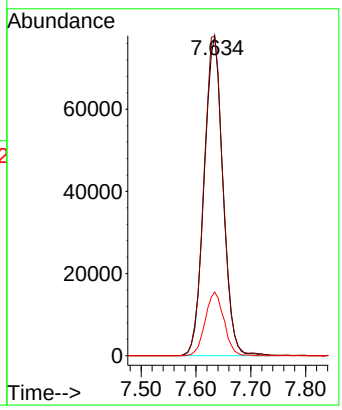


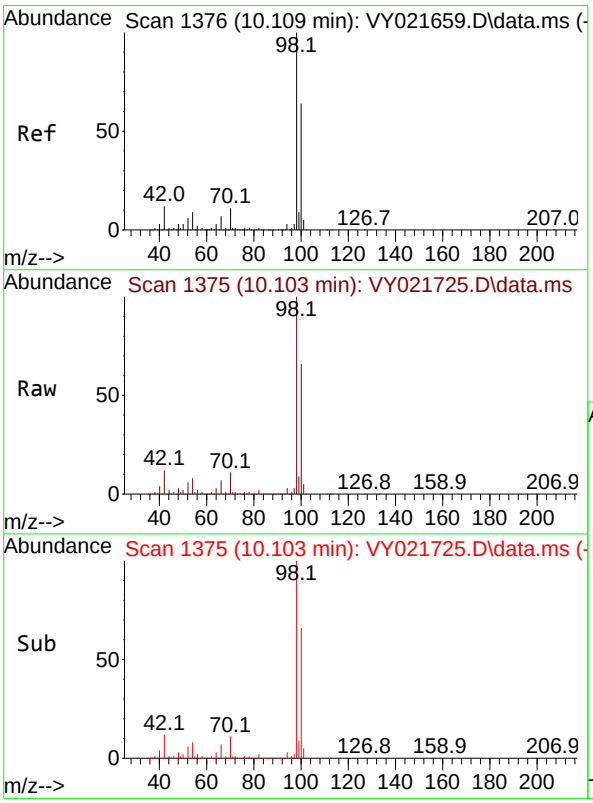
#35
Dibromofluoromethane
Concen: 50.457 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion:113 Resp: 184812

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	19.8	16.2	24.4

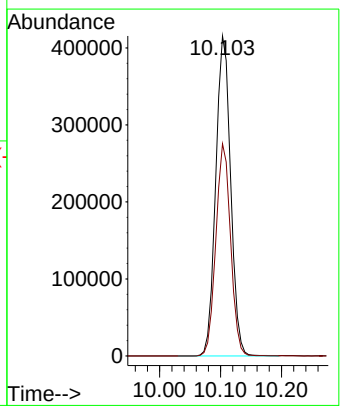


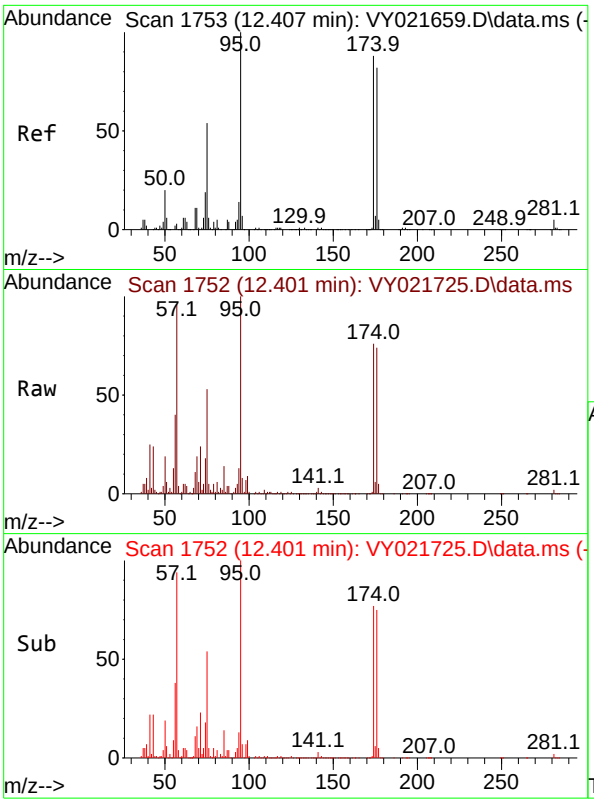


#50
Toluene-d8
Concen: 50.562 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 98 Resp: 704549

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1



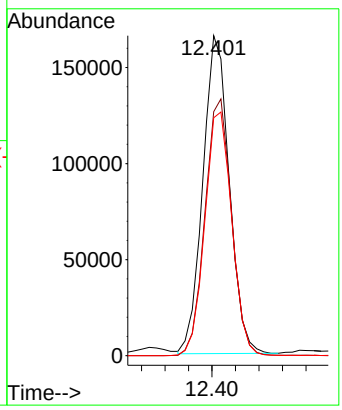


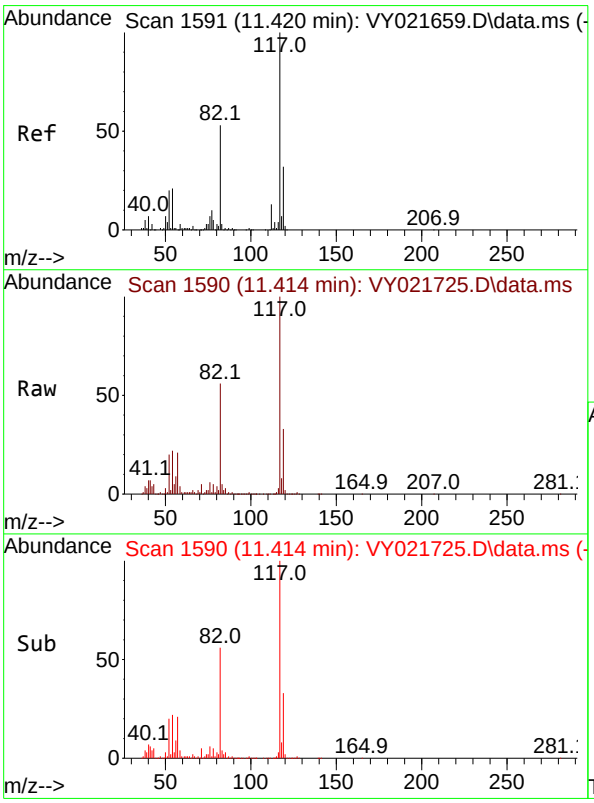
#62
4-Bromofluorobenzene
Concen: 54.667 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion: 95 Resp: 257657

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	170.8
176	78.5	0.0	162.0

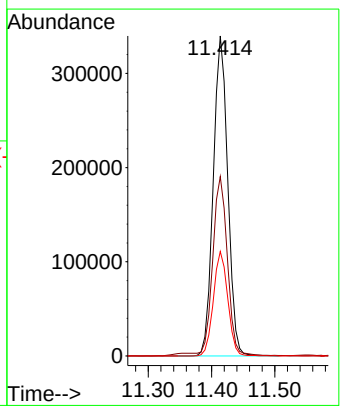


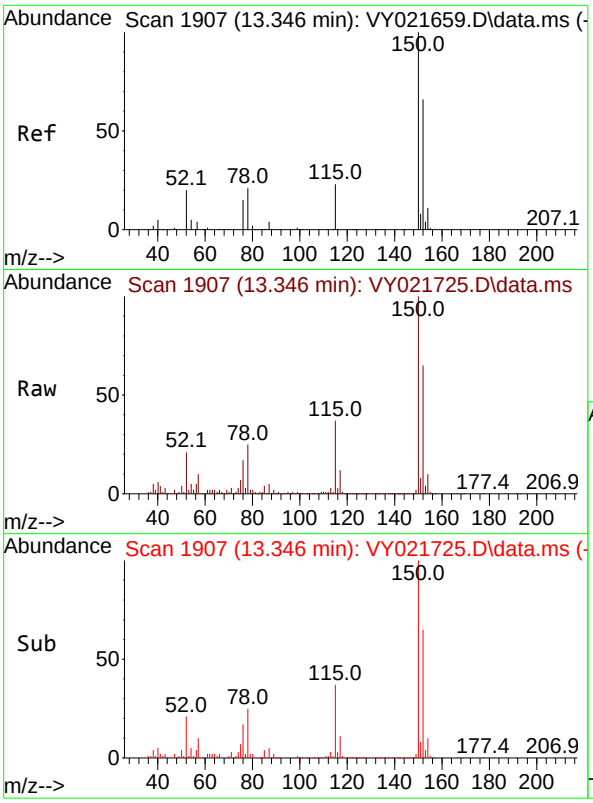


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion:117 Resp: 539474

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.6	25.7	38.5



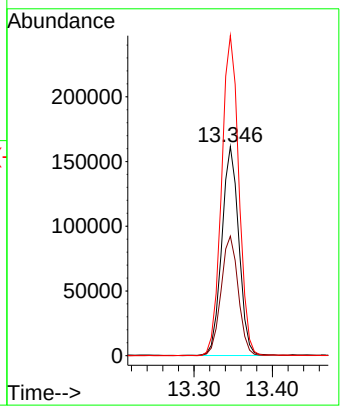


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion:152 Resp: 244186

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	155.6	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021725.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	484	rBV3	19616	61878	1.70%	0.151%
2	6.592	786	799	810	rBV3	12840	44150	1.21%	0.108%
3	7.634	959	970	976	rBV	262881	632294	17.38%	1.540%
4	7.707	976	982	1003	rVB	402671	901625	24.78%	2.196%
5	8.055	1030	1039	1052	rBV	218499	496273	13.64%	1.209%
6	8.244	1059	1070	1085	rBV	1469419	3420995	94.03%	8.332%
7	8.609	1122	1130	1142	rBV	659855	1322064	36.34%	3.220%
8	9.115	1199	1213	1219	rBV	275461	565494	15.54%	1.377%
9	9.164	1219	1221	1227	rVV3	32807	54054	1.49%	0.132%
10	9.243	1227	1234	1242	rVB	104982	217478	5.98%	0.530%
11	9.390	1249	1258	1266	rBV	50986	105946	2.91%	0.258%
12	9.542	1273	1283	1294	rBV	1262495	2372733	65.22%	5.779%
13	9.670	1295	1304	1317	rBV	1013920	1994901	54.83%	4.859%
14	10.042	1352	1365	1370	rBV	728616	1307802	35.95%	3.185%
15	10.103	1370	1375	1388	rVB	1101077	1877965	51.62%	4.574%
16	10.408	1415	1425	1429	rBV	52370	101981	2.80%	0.248%
17	10.481	1433	1437	1441	rVV3	22194	36397	1.00%	0.089%
18	10.566	1441	1451	1460	rVB	164352	328728	9.04%	0.801%
19	10.737	1474	1479	1484	rVB2	29601	46957	1.29%	0.114%
20	10.829	1484	1494	1501	rVB5	40101	107251	2.95%	0.261%
21	10.932	1507	1511	1516	rVB2	36328	62522	1.72%	0.152%
22	11.011	1516	1524	1530	rBV4	65456	195721	5.38%	0.477%
23	11.066	1530	1533	1546	rVB4	84126	192337	5.29%	0.468%
24	11.243	1554	1562	1568	rVB5	37532	112519	3.09%	0.274%
25	11.341	1568	1578	1582	rBV3	89458	217175	5.97%	0.529%
26	11.414	1582	1590	1595	rBV2	1249937	2279819	62.66%	5.553%
27	11.463	1595	1598	1599	rVV2	53142	61980	1.70%	0.151%
28	11.487	1599	1602	1608	rVB	320167	490538	13.48%	1.195%
29	11.554	1608	1613	1618	rBV3	38954	65699	1.81%	0.160%
30	11.670	1626	1632	1642	rVB	265030	478122	13.14%	1.165%
31	11.767	1642	1648	1650	rBV4	37570	71023	1.95%	0.173%
32	11.822	1651	1657	1660	rVB5	41408	73432	2.02%	0.179%
33	11.865	1660	1664	1667	rBV2	94767	140514	3.86%	0.342%
34	11.908	1667	1671	1679	rVB5	64147	187974	5.17%	0.458%
35	11.981	1679	1683	1686	rBV	70117	101069	2.78%	0.246%
36	12.036	1686	1692	1696	rVB	107375	205478	5.65%	0.500%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

37	12.127	1702	1707	1716	rVB4	83888	212244	5.83%	0.517%
38	12.231	1716	1724	1731	rBV7	42052	128188	3.52%	0.312%
39	12.298	1731	1735	1741	rVB6	26539	57114	1.57%	0.139%
40	12.389	1743	1750	1759	rVB2	1776558	3638225	100.00%	8.861%
41	12.481	1759	1765	1766	rBV	170627	233841	6.43%	0.570%
42	12.554	1772	1777	1786	rVB	398767	973238	26.75%	2.370%
43	12.651	1786	1793	1798	rBV6	53415	137227	3.77%	0.334%
44	12.755	1800	1810	1815	rVV3	294057	695274	19.11%	1.693%
45	12.810	1816	1819	1822	rVV	85032	122424	3.36%	0.298%
46	12.853	1822	1826	1832	rVV	115229	190385	5.23%	0.464%
47	12.920	1832	1837	1841	rVV2	205105	367373	10.10%	0.895%
48	12.962	1841	1844	1845	rVV	177243	230318	6.33%	0.561%
49	12.993	1845	1849	1858	rVB	985953	1475045	40.54%	3.593%
50	13.096	1861	1866	1872	rVB	349854	556116	15.29%	1.354%
51	13.206	1872	1884	1892	rBV	1630110	2768952	76.11%	6.744%
52	13.273	1892	1895	1898	rBV	69164	78551	2.16%	0.191%
53	13.346	1898	1907	1911	rBV2	982015	1914620	52.63%	4.663%
54	13.401	1911	1916	1926	rVB	1398344	3020483	83.02%	7.357%
55	13.487	1926	1930	1936	rBV3	73401	179468	4.93%	0.437%
56	13.566	1937	1943	1950	rVB	501749	840717	23.11%	2.048%
57	13.639	1951	1955	1959	rBV	68715	97557	2.68%	0.238%
58	13.700	1962	1965	1968	rBV2	68947	93046	2.56%	0.227%
59	13.749	1968	1973	1978	rVB2	141543	275741	7.58%	0.672%
60	13.816	1981	1984	1990	rVB3	41830	76976	2.12%	0.187%
61	13.883	1990	1995	1998	rBV2	173342	305622	8.40%	0.744%
62	13.999	2010	2014	2018	rBV5	32779	55088	1.51%	0.134%
63	14.072	2019	2026	2039	rVB5	93394	264705	7.28%	0.645%
64	14.176	2039	2043	2049	rBV7	41711	103417	2.84%	0.252%
65	14.304	2059	2064	2073	rVB3	203054	455348	12.52%	1.109%
66	14.383	2074	2077	2083	rVB6	28646	49375	1.36%	0.120%
67	14.480	2089	2093	2099	rVB3	46843	89183	2.45%	0.217%
68	14.547	2099	2104	2106	rBV5	20929	40099	1.10%	0.098%
69	14.645	2117	2120	2127	rVB5	40771	73833	2.03%	0.180%
70	14.907	2159	2163	2169	rBV8	26364	65119	1.79%	0.159%
71	15.133	2197	2200	2205	rVB2	54098	84904	2.33%	0.207%
72	15.712	2291	2295	2300	rBV3	34583	66382	1.82%	0.162%
73	15.791	2304	2308	2318	rVB2	51004	108421	2.98%	0.264%

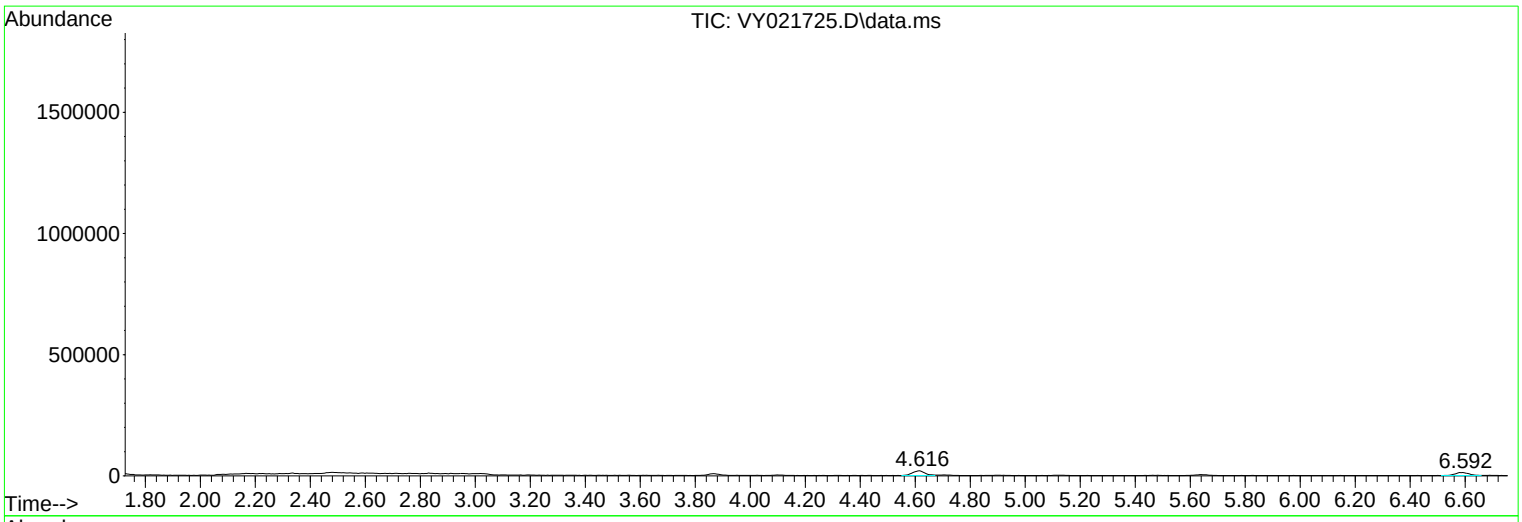
Sum of corrected areas: 41057507

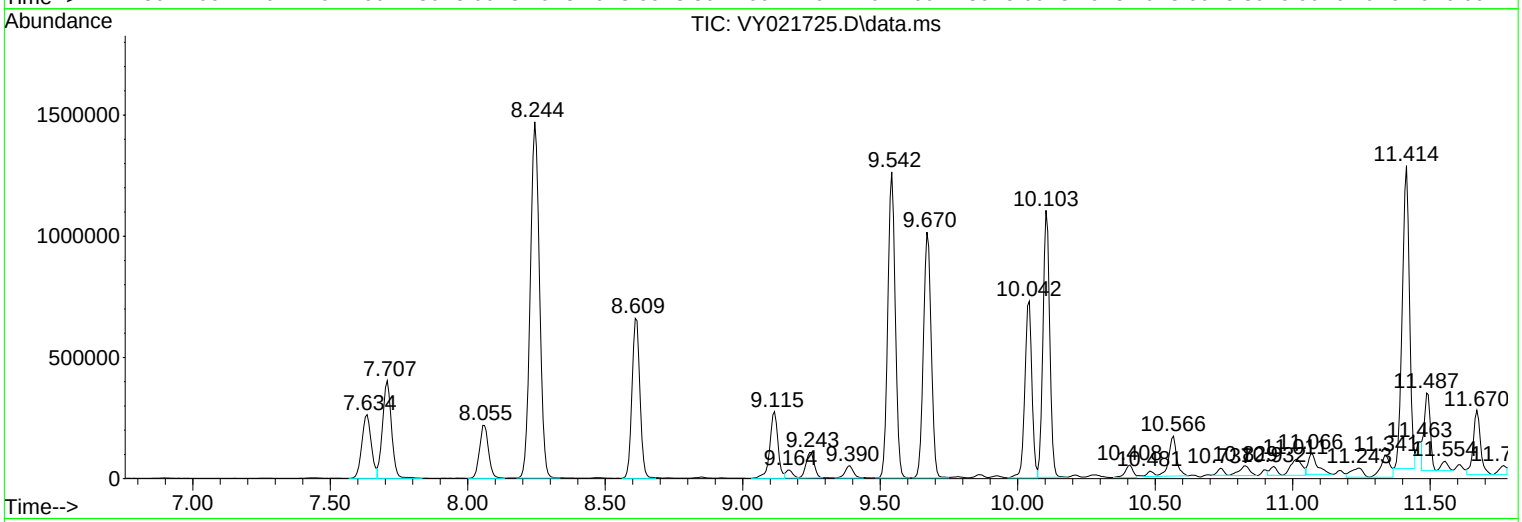
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

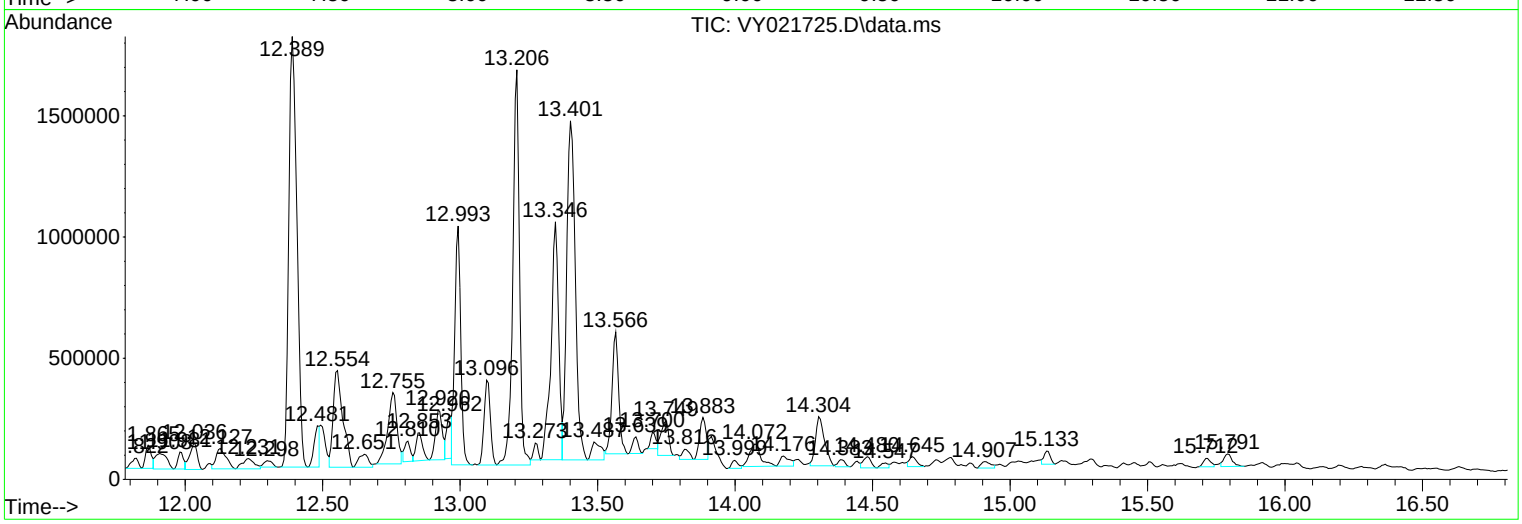
Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

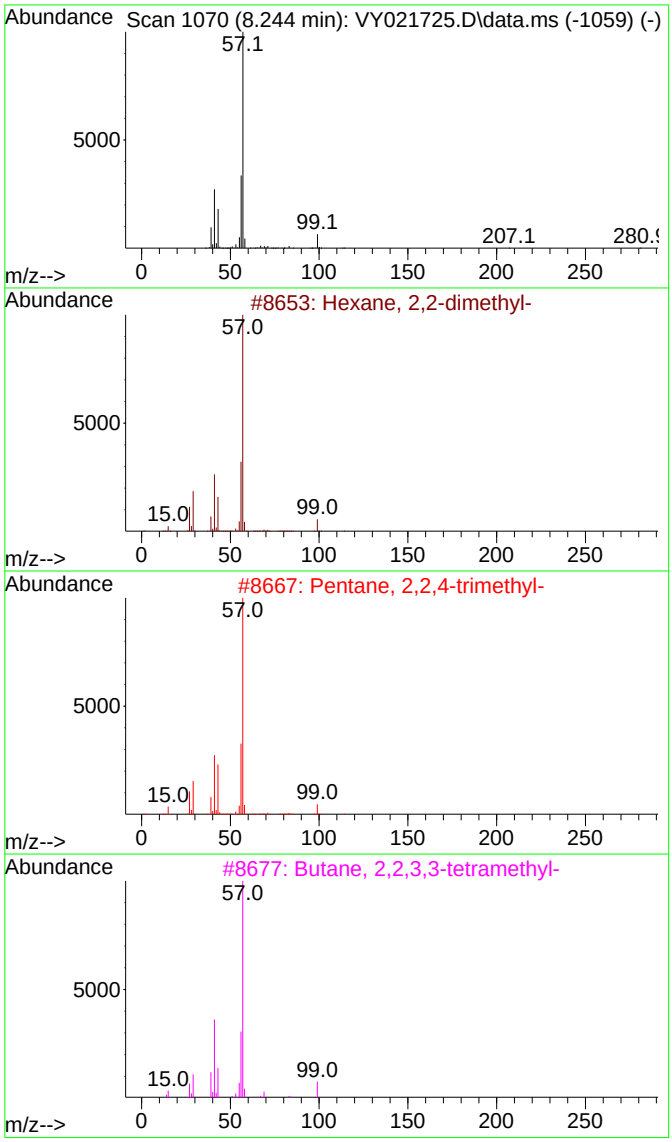
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

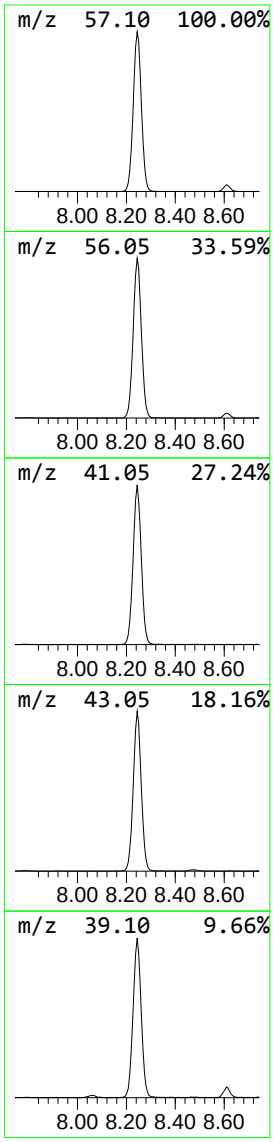
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	129.38 ug/l	3421000	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

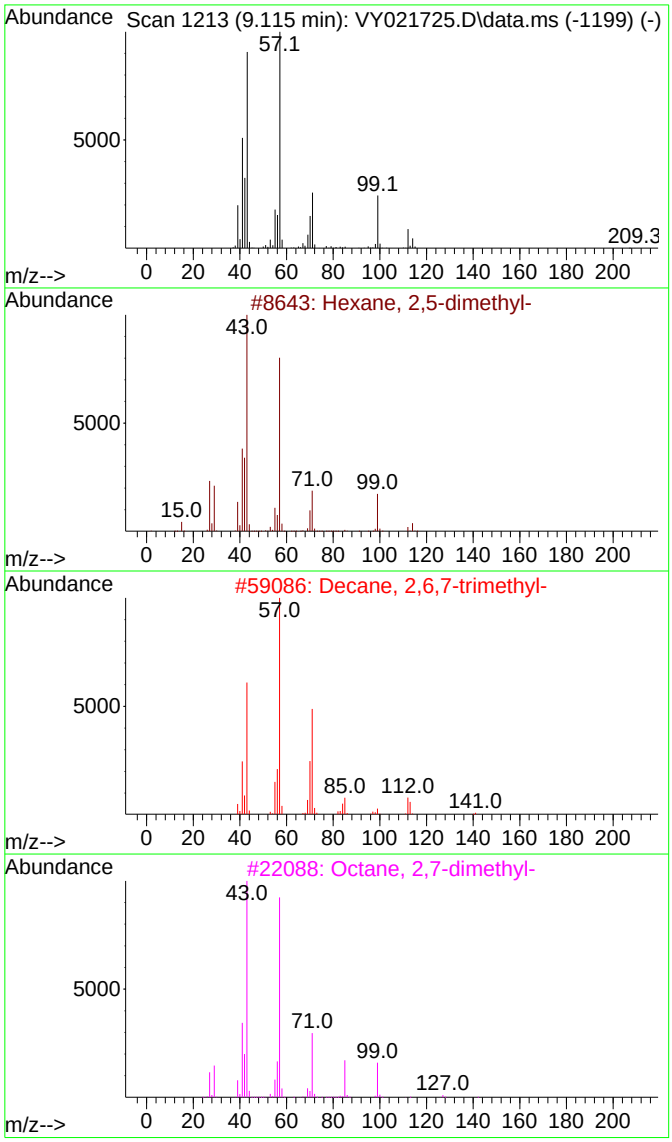
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

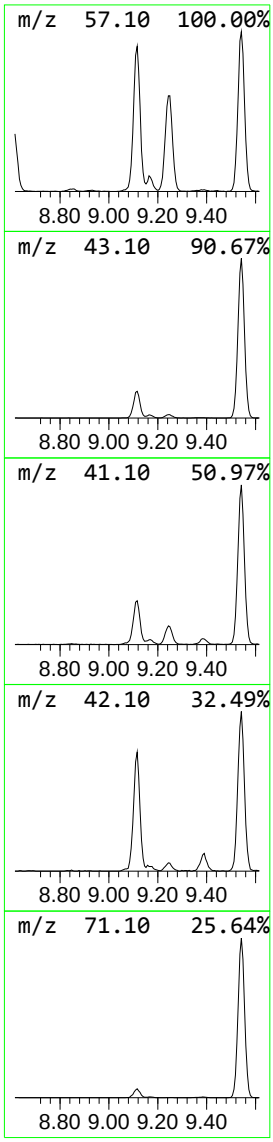
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.115	21.39 ug/l	565494	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	53
5	2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	1000190-01-9	50





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Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

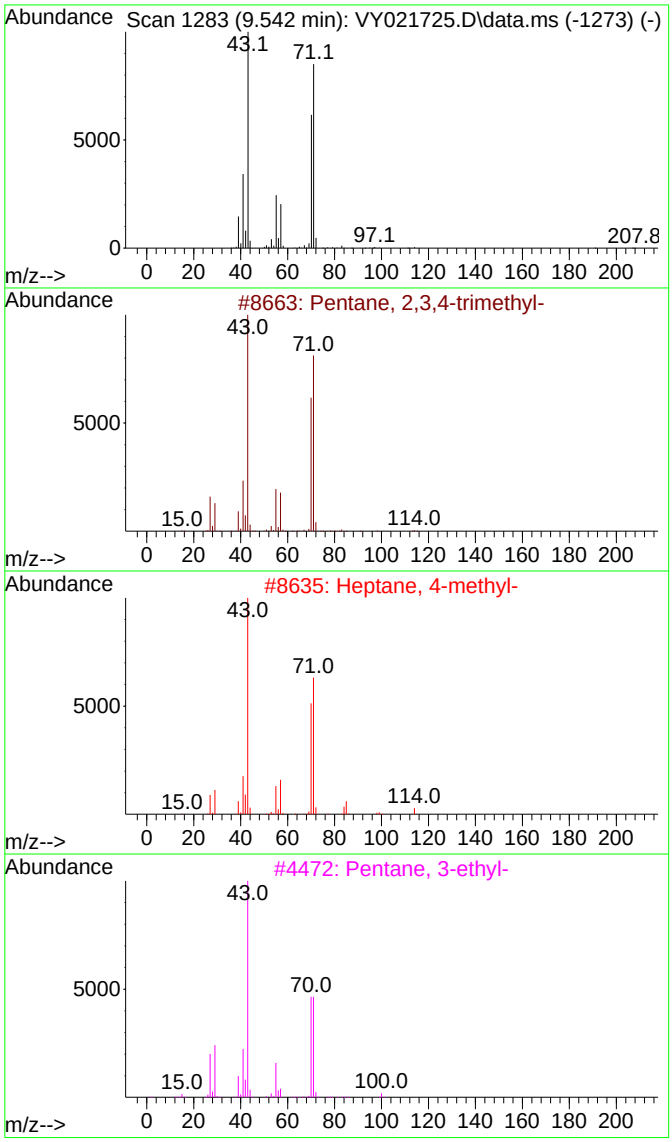
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

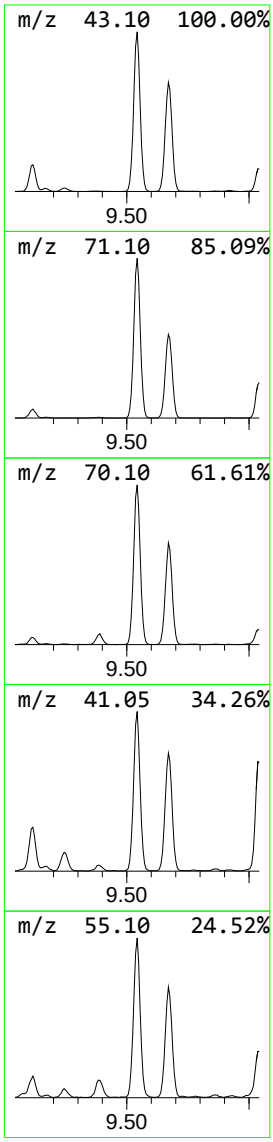
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	89.74 ug/l	2372730	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

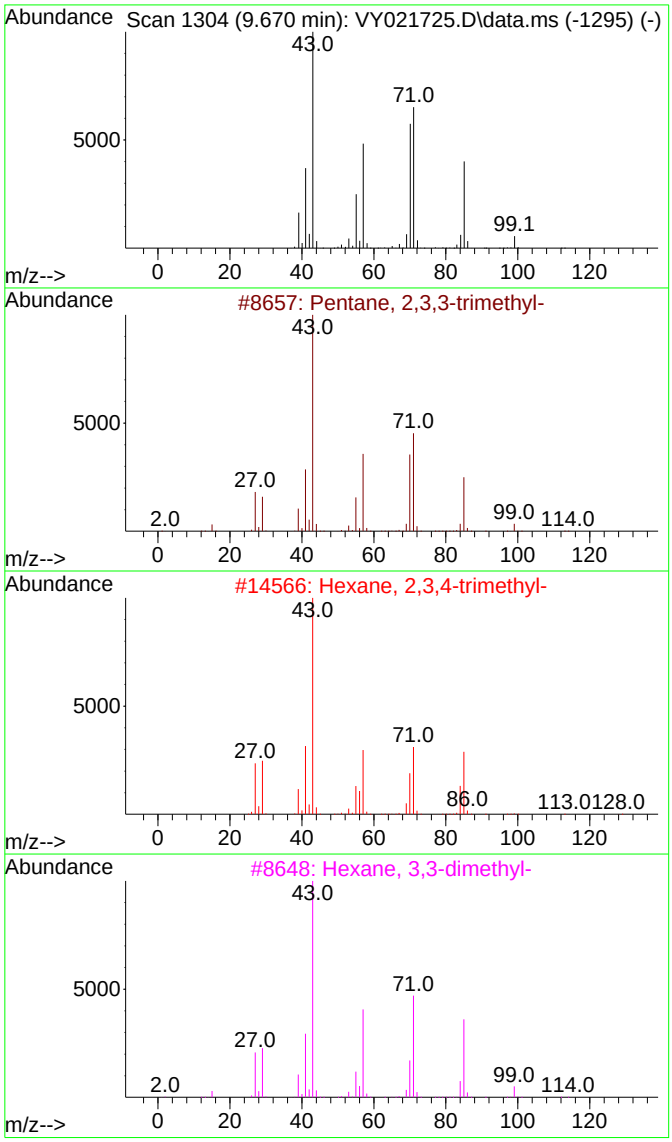
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

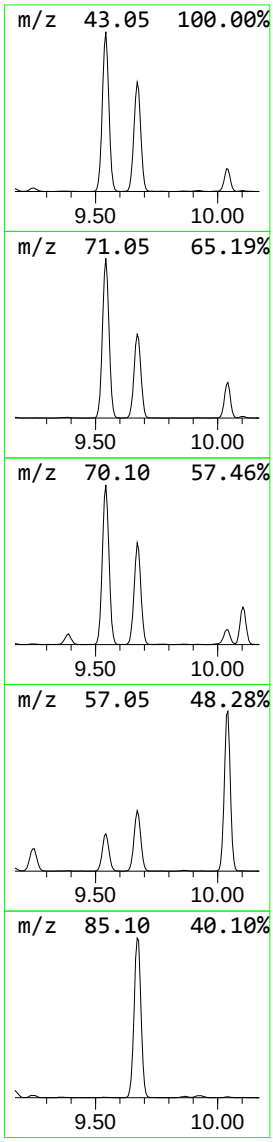
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	75.45 ug/l	1994900	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

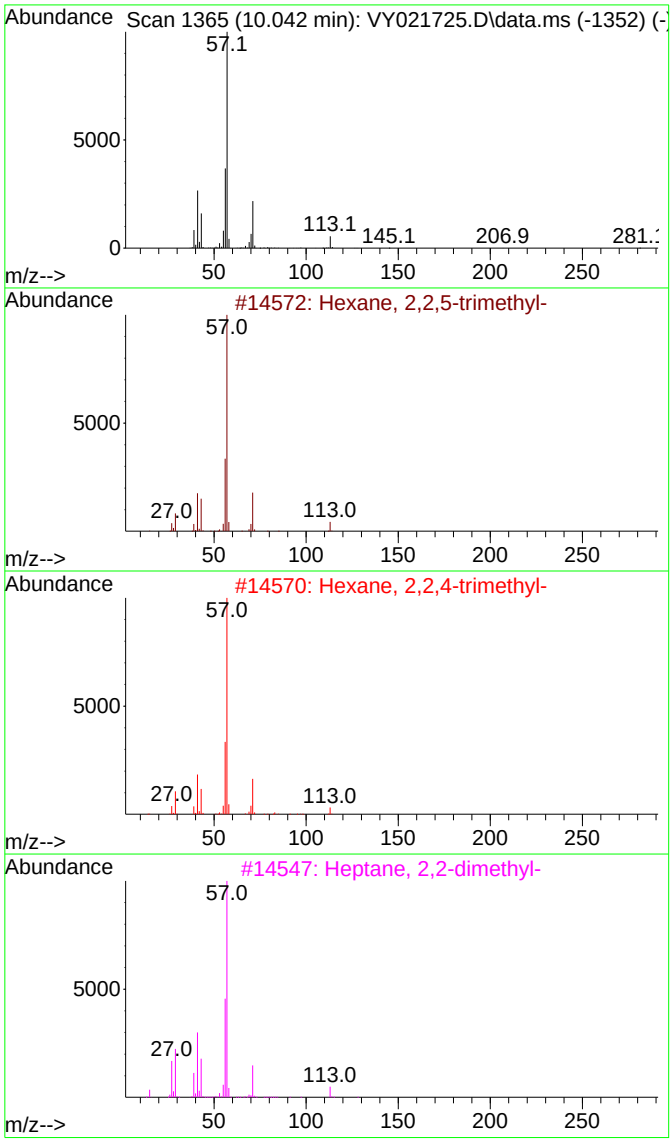
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

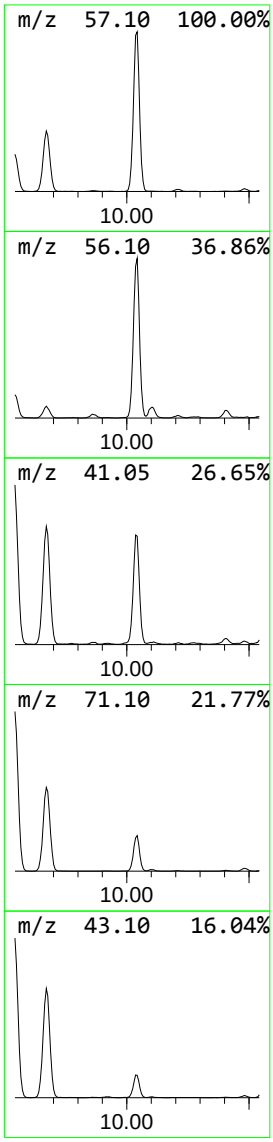
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 2,2,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.042	28.68 ug/l	1307800	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	83
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	78
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

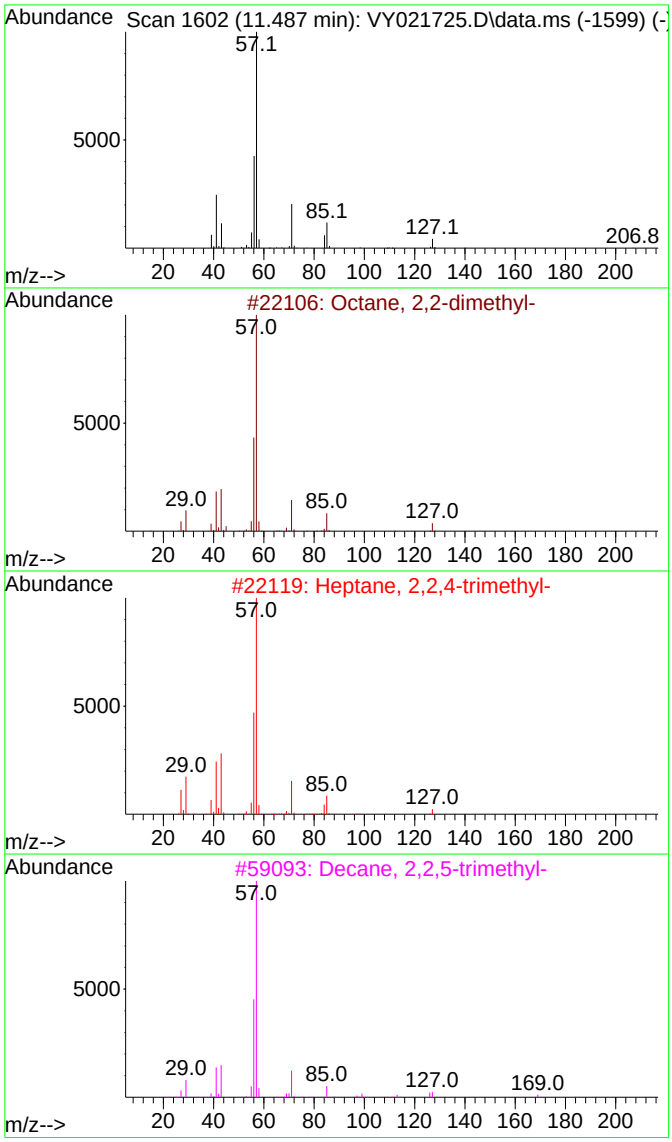
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

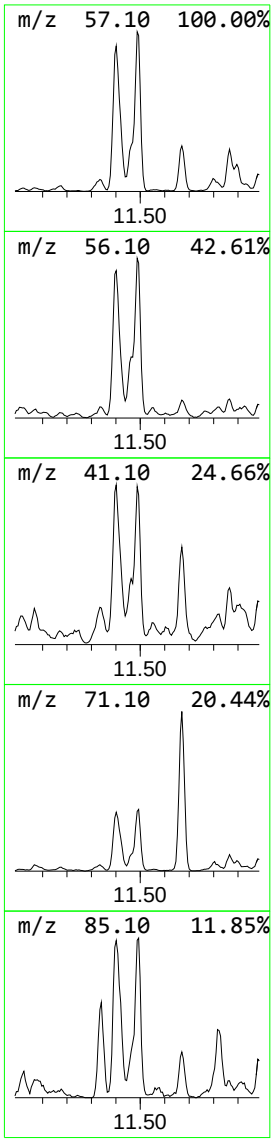
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane, 2,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.487	10.76 ug/l	490538	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	83
2	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	83
3	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	78
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	78
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

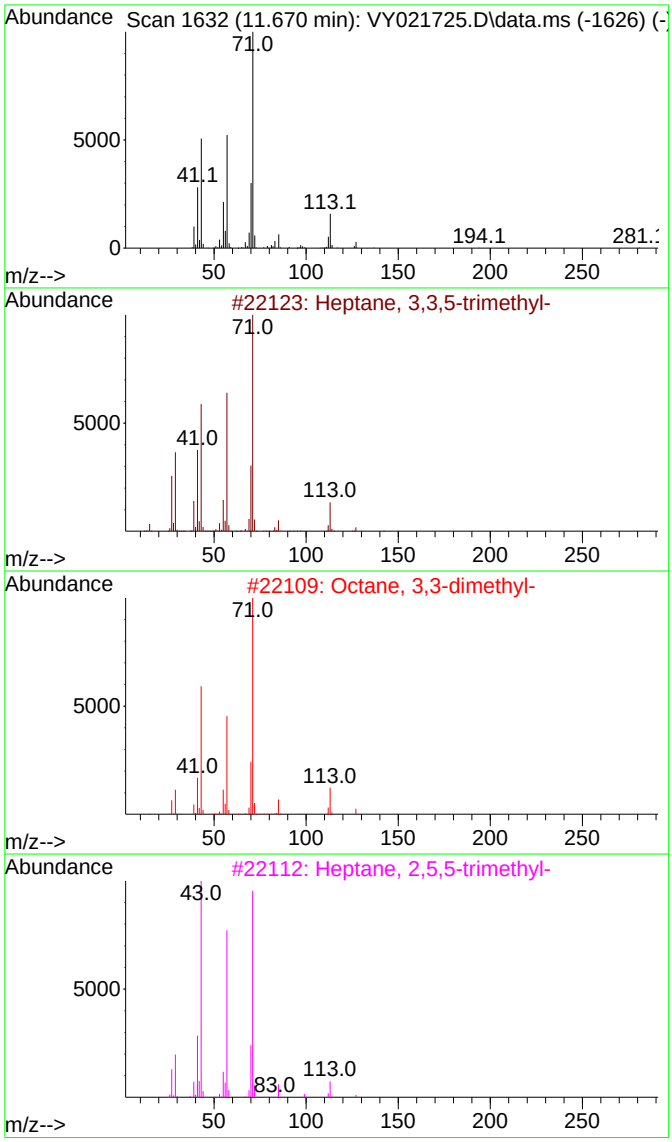
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

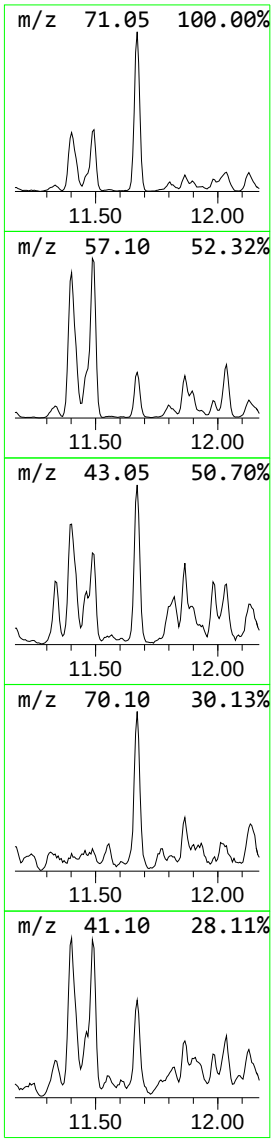
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Heptane, 3,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.670	10.49 ug/l	478122	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	90
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	78
4	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	78
5	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

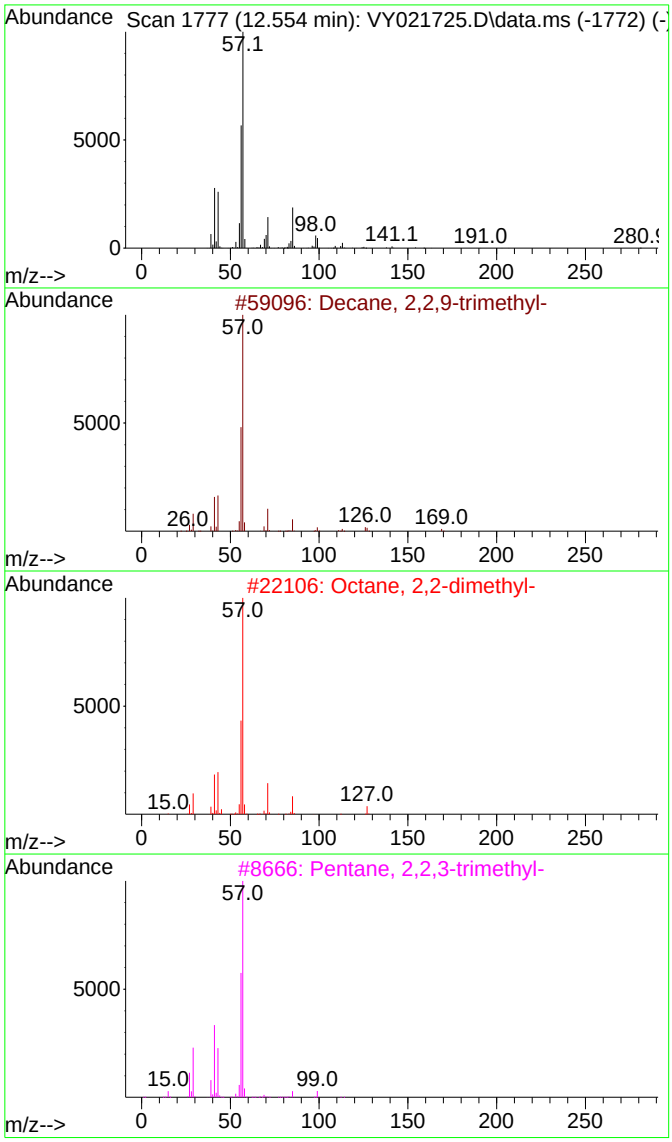
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

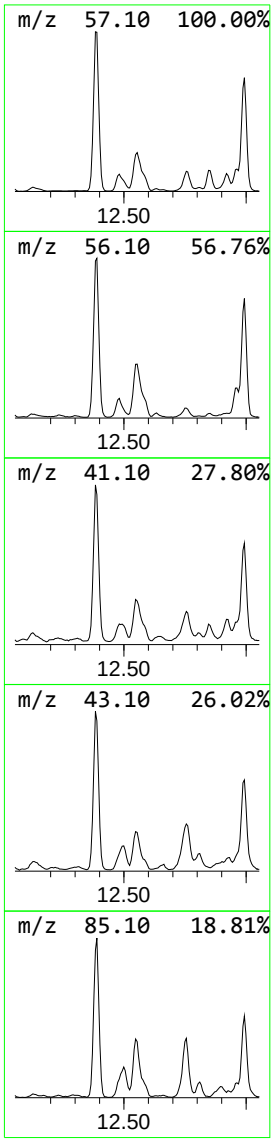
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Decane, 2,2,9-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.554	25.42 ug/l	973238	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
2	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	53
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

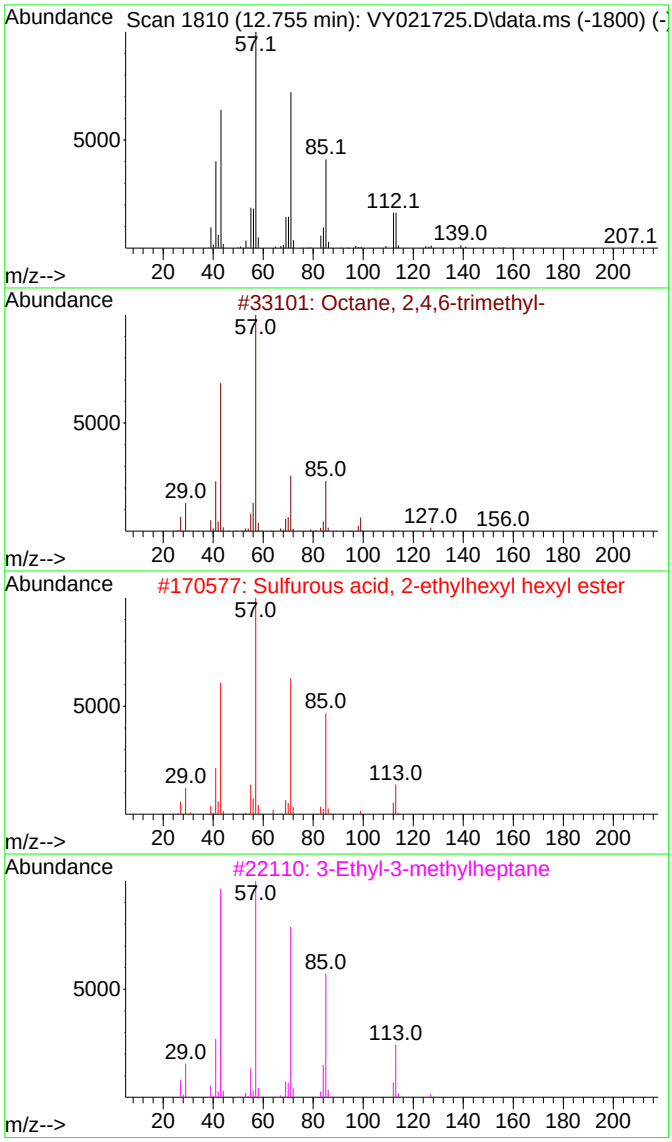
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

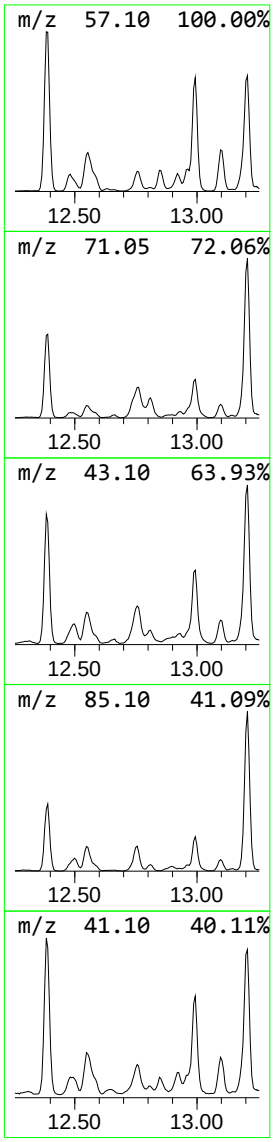
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Octane, 2,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.755	18.16 ug/l	695274	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
3	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	72
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	72
5	Tridecane	184	C13H28	000629-50-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

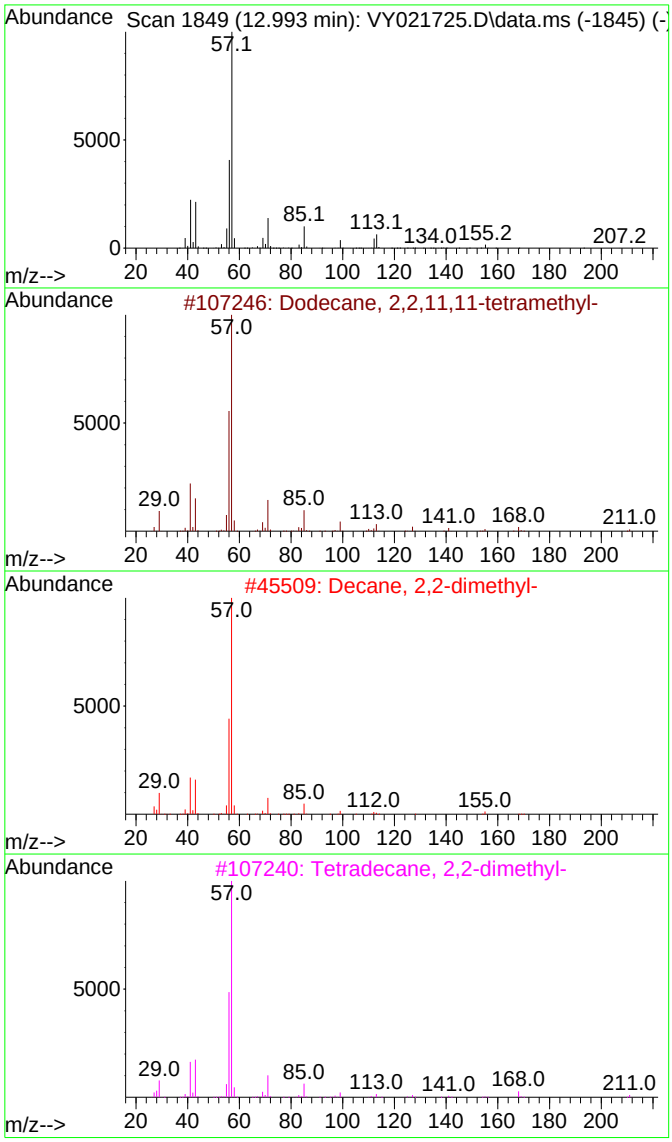
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

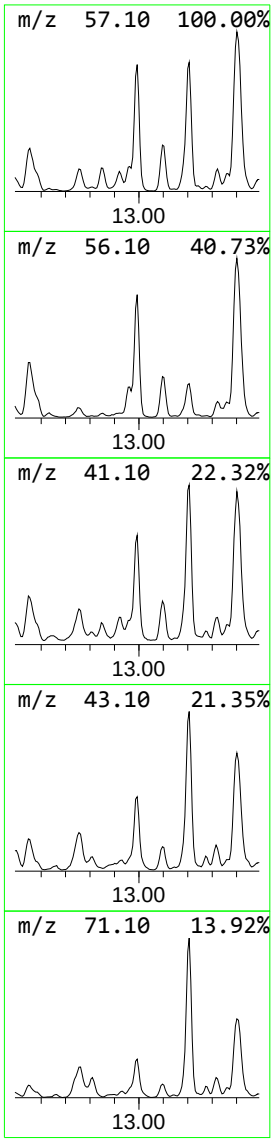
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Dodecane, 2,2,11,11-tetrame... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	38.52 ug/l	1475050	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	80
2	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
3	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5	Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

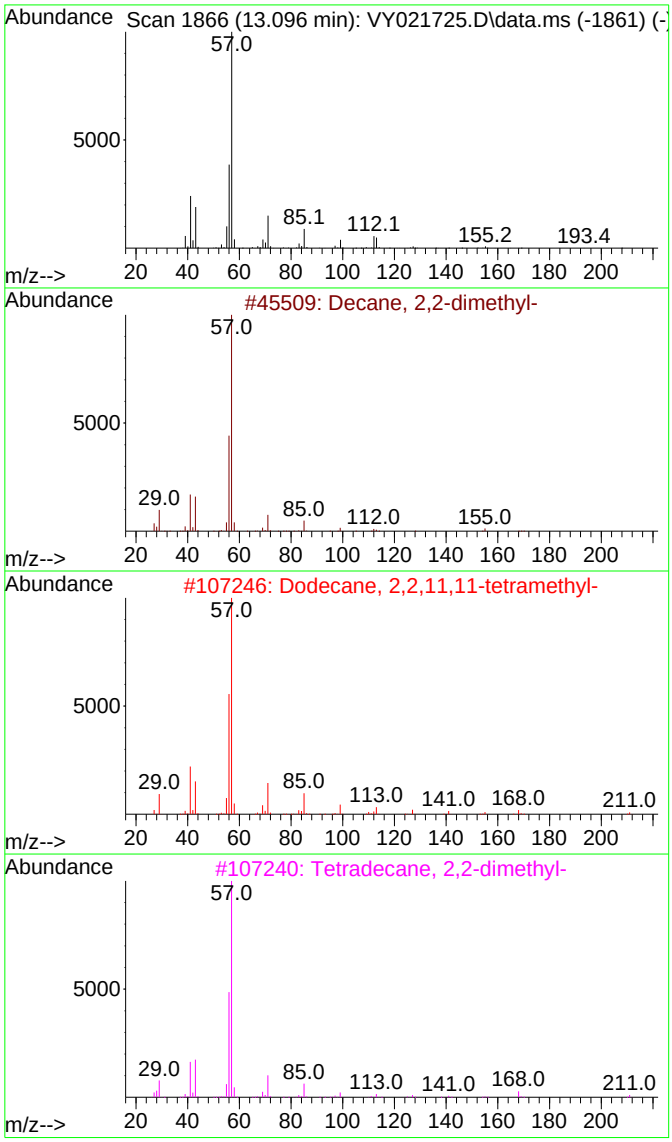
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

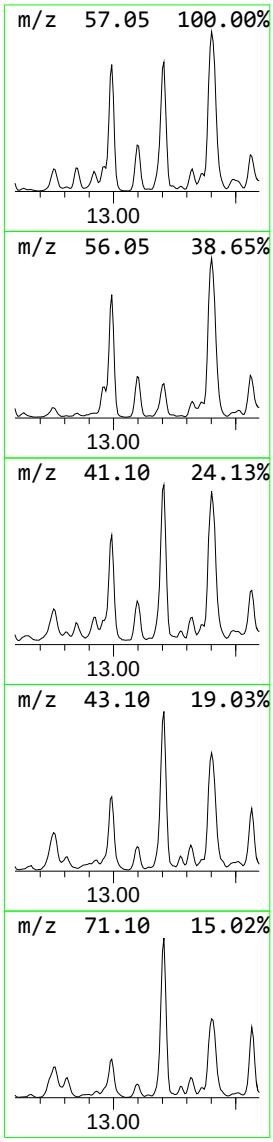
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Decane, 2,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.097	14.52 ug/l	556116	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
2	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
3	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

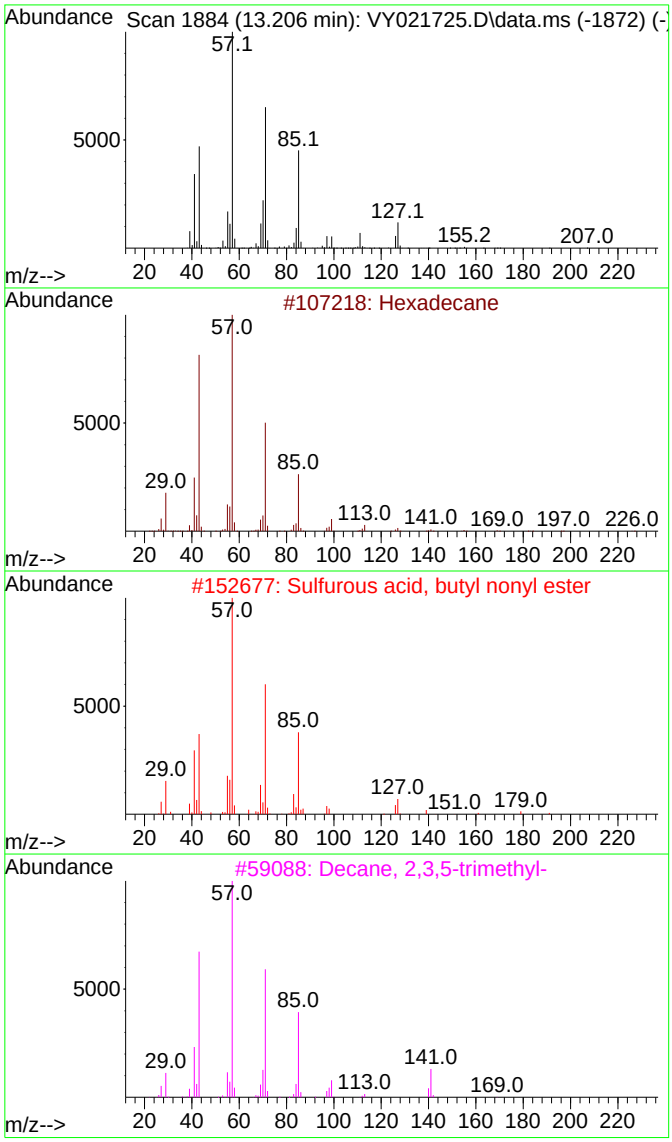
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

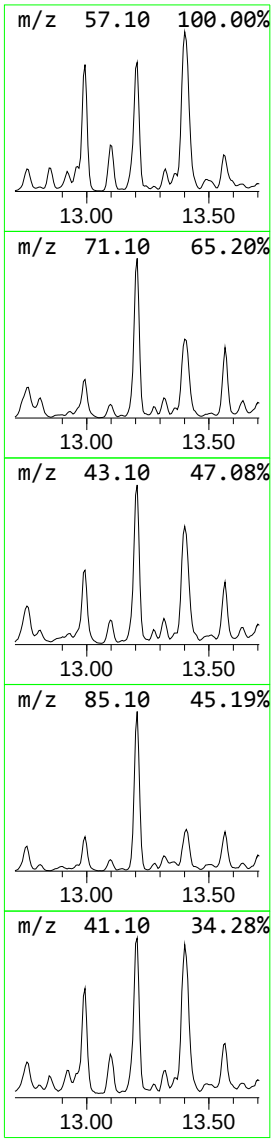
****

Peak Number 12 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.206	72.31 ug/l	2768950	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	59
5	Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

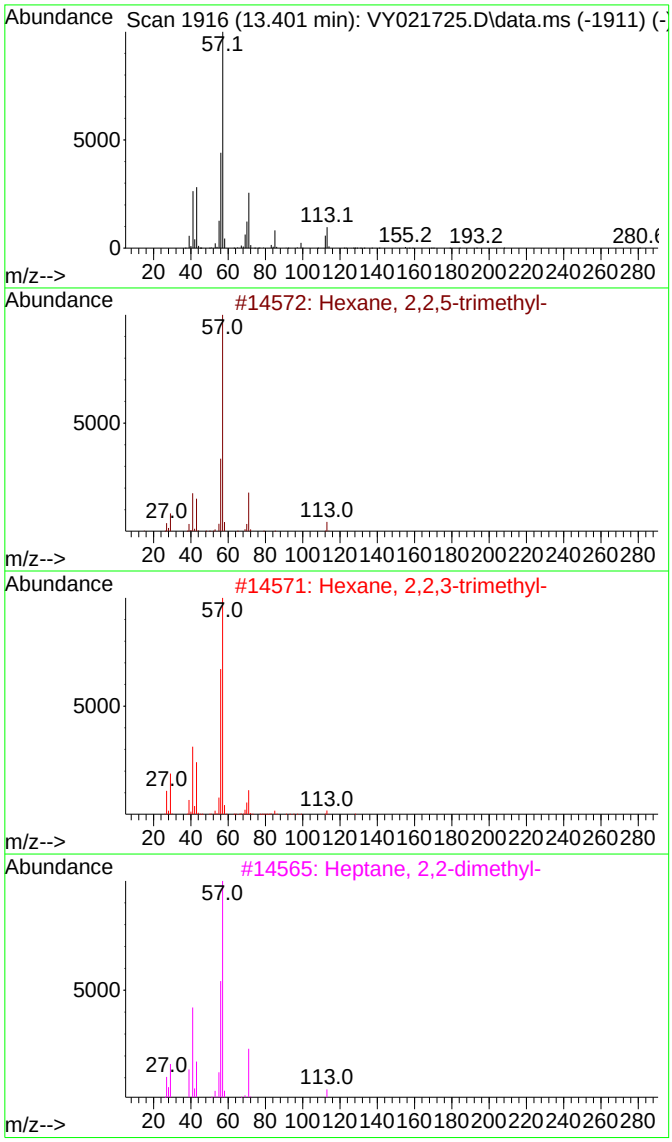
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

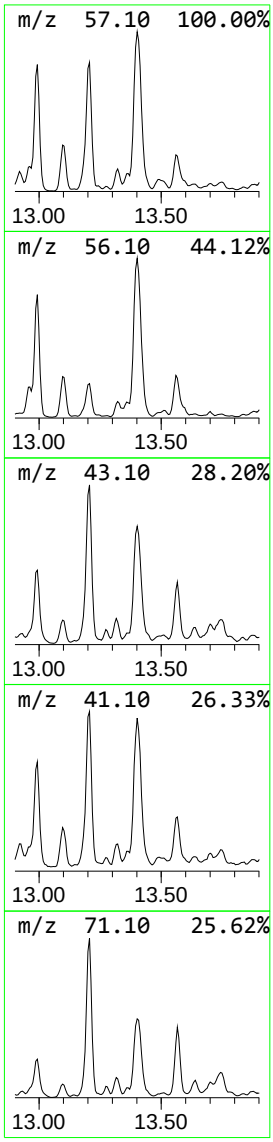
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Hexane, 2,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.401	78.88 ug/l	3020480	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

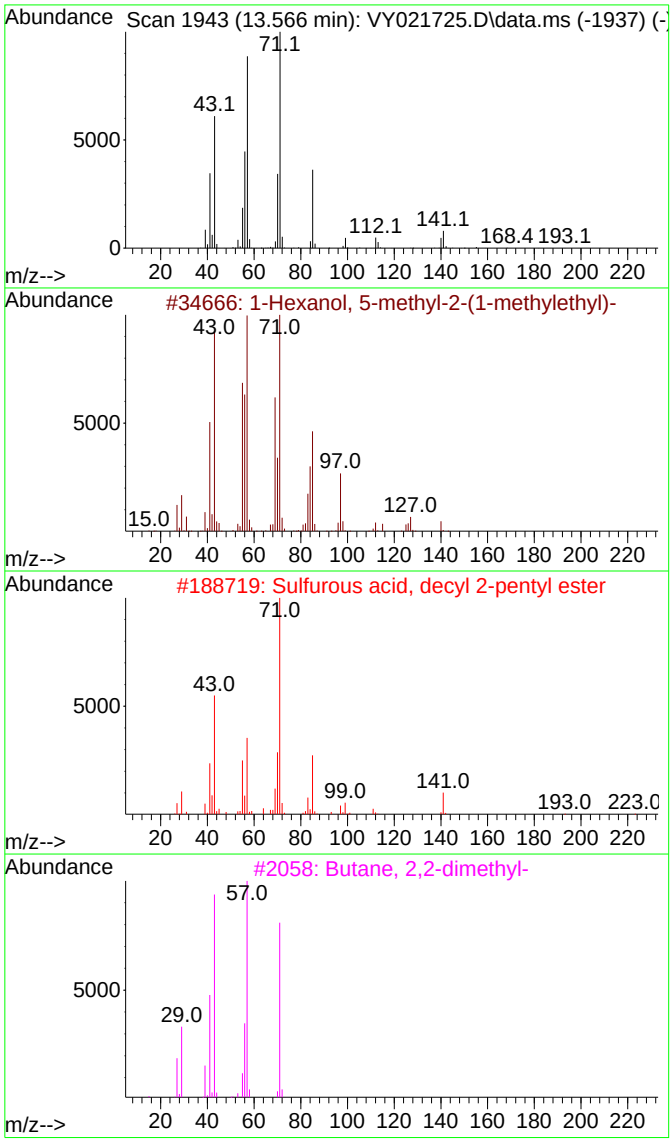
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

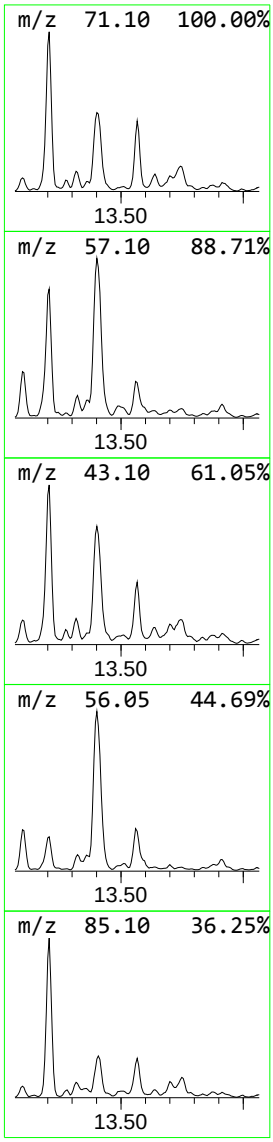
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1-Hexanol, 5-methyl-2-(1-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.566	21.96 ug/l	840717	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	83
2	Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	53
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

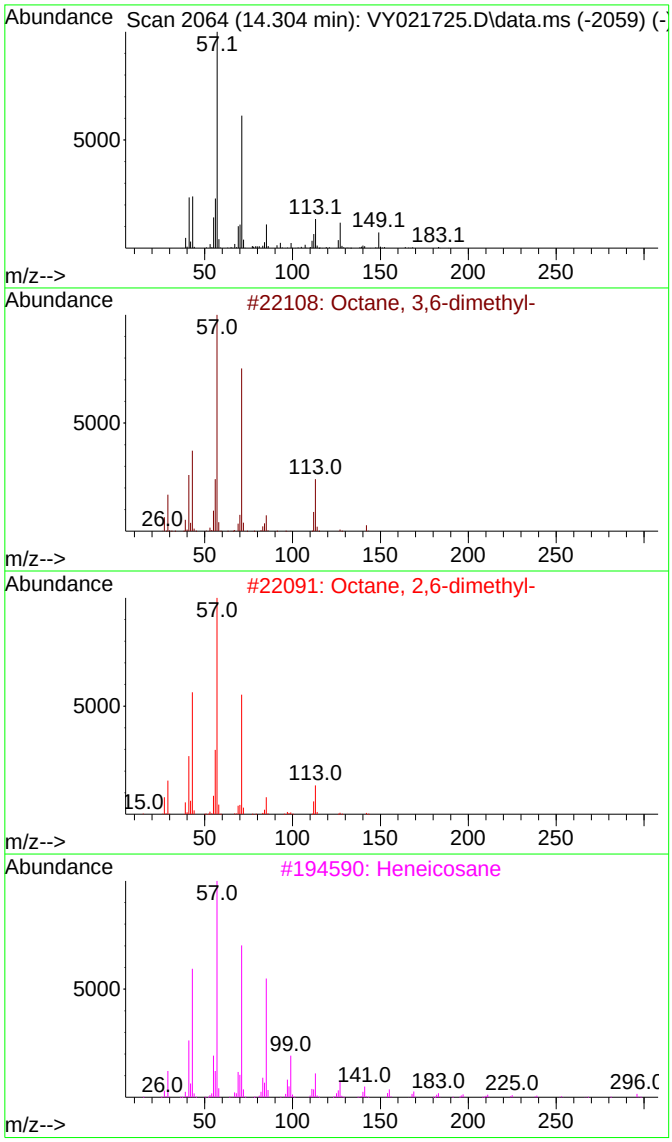
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

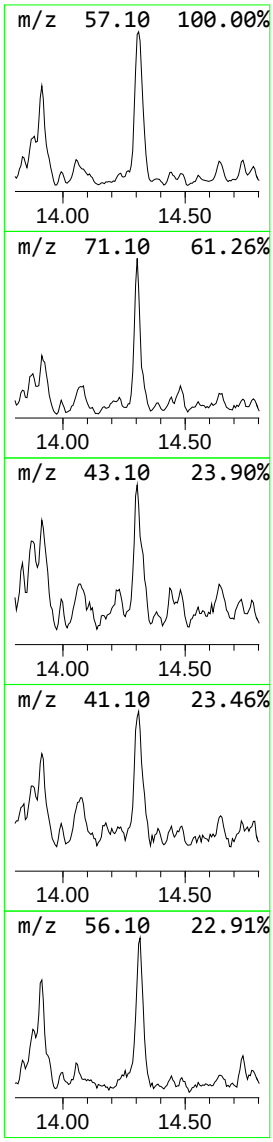
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Octane, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	11.89 ug/l	455348	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Heneicosane	296	C21H44	000629-94-7	59
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane, 2,2-dim...	8.244	129.4	ug/l	3421000	2	8.616	1322060	50.0
Hexane, 2,5-dim...	9.115	21.4	ug/l	565494	2	8.616	1322060	50.0
Pentane, 2,3,4-...	9.542	89.7	ug/l	2372730	2	8.616	1322060	50.0
Pentane, 2,3,3-...	9.670	75.5	ug/l	1994900	2	8.616	1322060	50.0
Hexane, 2,2,5-t...	10.042	28.7	ug/l	1307800	3	11.414	2279820	50.0
Octane, 2,2-dim...	11.487	10.8	ug/l	490538	3	11.414	2279820	50.0
Heptane, 3,3,5-...	11.670	10.5	ug/l	478122	3	11.414	2279820	50.0
Decane, 2,2,9-t...	12.554	25.4	ug/l	973238	4	13.346	1914620	50.0
Octane, 2,4,6-t...	12.755	18.2	ug/l	695274	4	13.346	1914620	50.0
Dodecane, 2,2,1...	12.993	38.5	ug/l	1475050	4	13.346	1914620	50.0
Decane, 2,2-dim...	13.097	14.5	ug/l	556116	4	13.346	1914620	50.0
Hexadecane	13.206	72.3	ug/l	2768950	4	13.346	1914620	50.0
Hexane, 2,2,3-t...	13.401	78.9	ug/l	3020480	4	13.346	1914620	50.0
1-Hexanol, 5-me...	13.566	22.0	ug/l	840717	4	13.346	1914620	50.0
Octane, 3,6-dim...	14.304	11.9	ug/l	455348	4	13.346	1914620	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Time: Apr 02 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

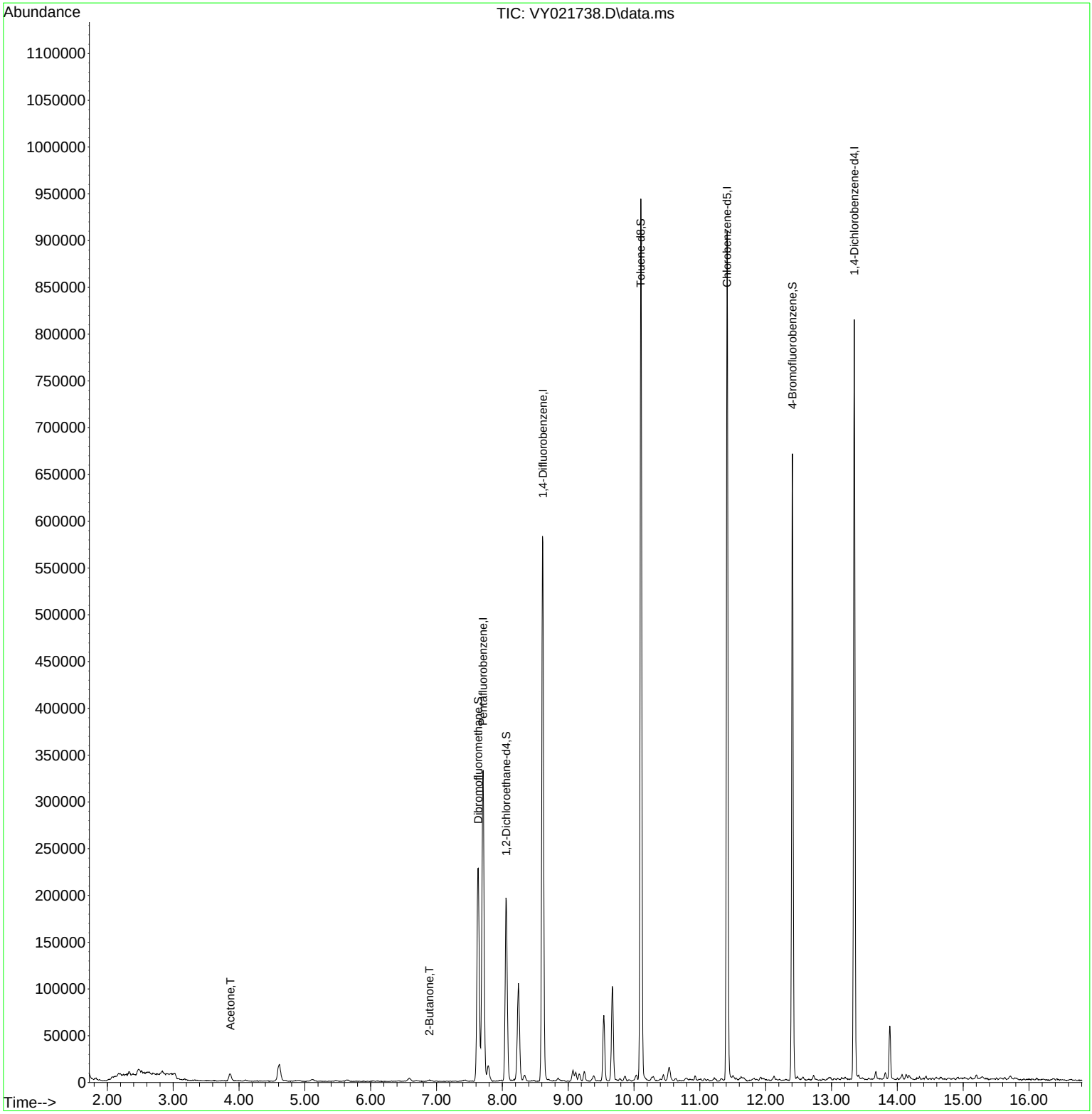
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	250737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	486743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	457044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153980	56.680	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.360%			
35) Dibromofluoromethane	7.634	113	160111	50.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.420%			
50) Toluene-d8	10.103	98	601700	50.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.180%			
62) 4-Bromofluorobenzene	12.408	95	201813	49.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.340%			
Target Compounds						Qvalue
16) Acetone	3.872	43	12649	22.750	ug/l	95
25) 2-Butanone	6.890	43	1701	2.142	ug/l	99

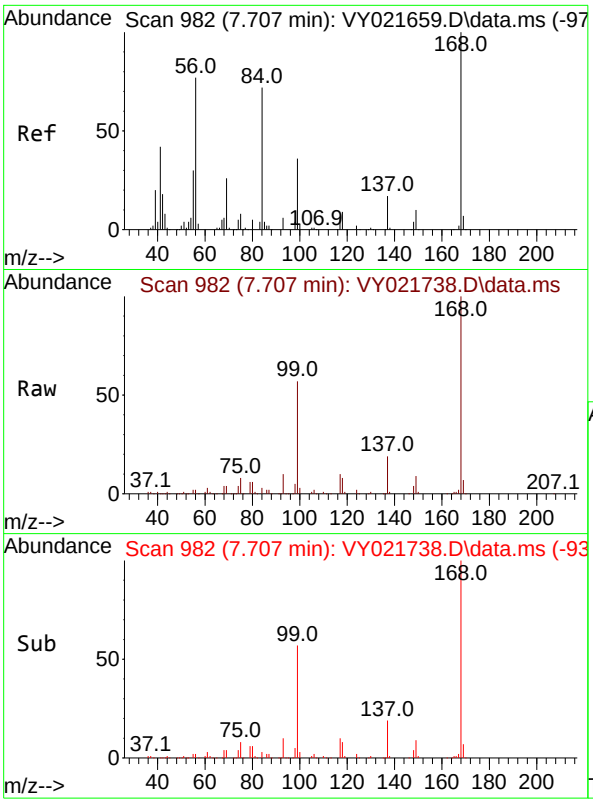
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Time: Apr 02 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



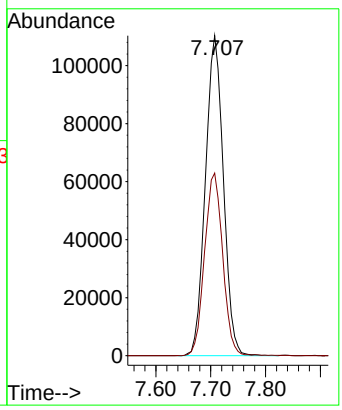


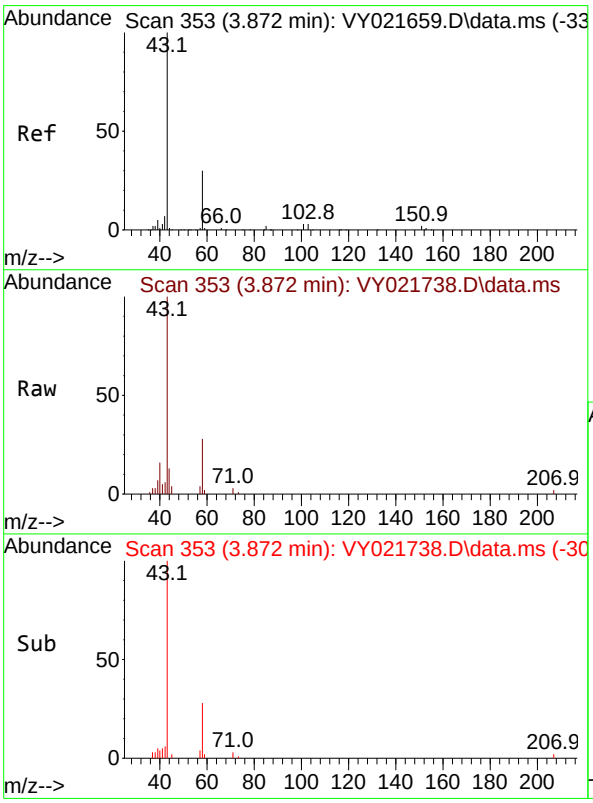
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:168 Resp: 250737

Ion	Ratio	Lower	Upper
168	100		
99	57.0	46.7	70.1

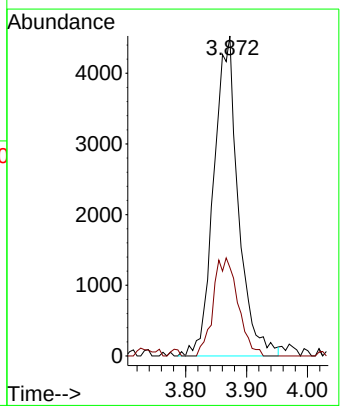


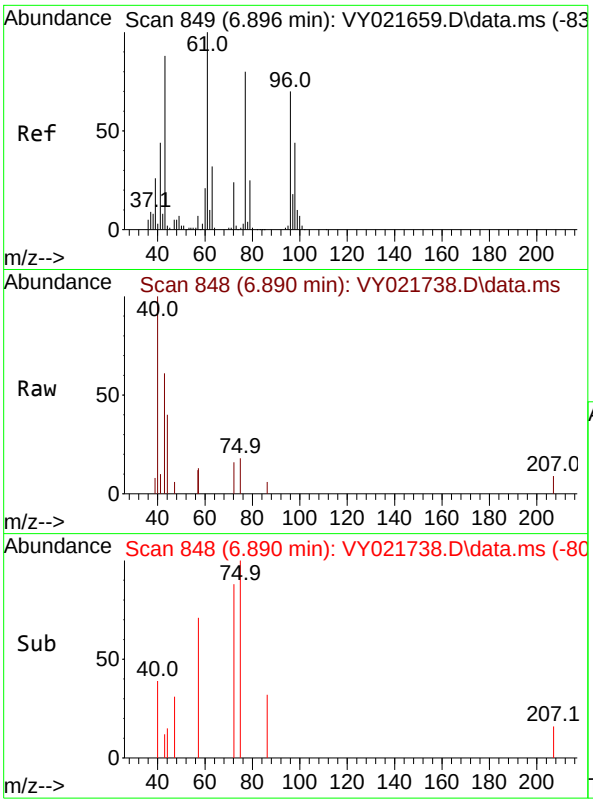


#16
Acetone
Concen: 22.750 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 43 Resp: 12649

Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.2	36.4



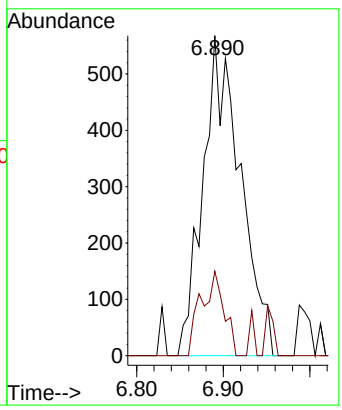


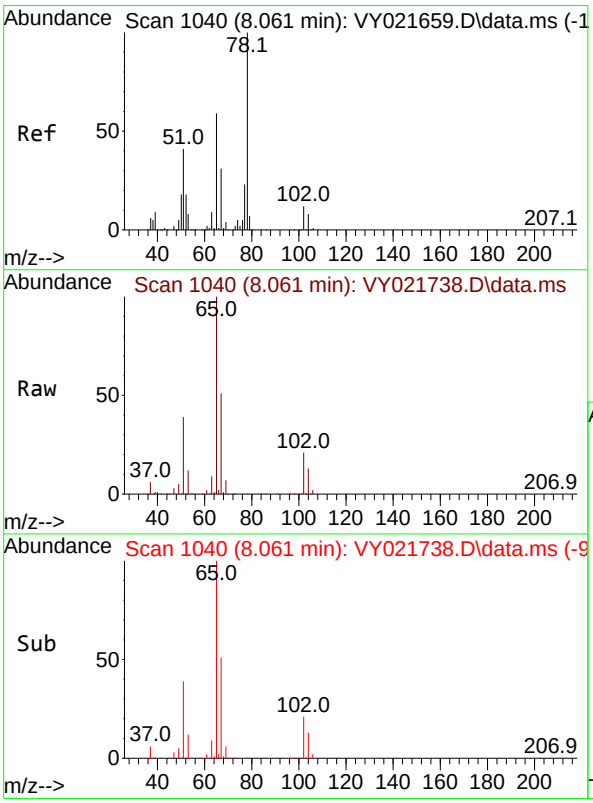
#25
2-Butanone
Concen: 2.142 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion: 43 Resp: 1701

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

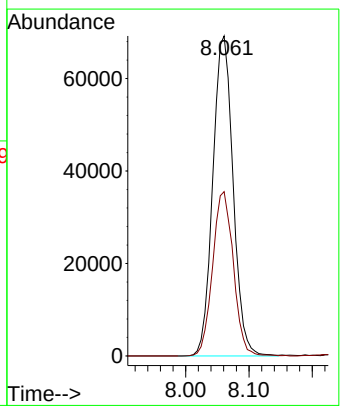


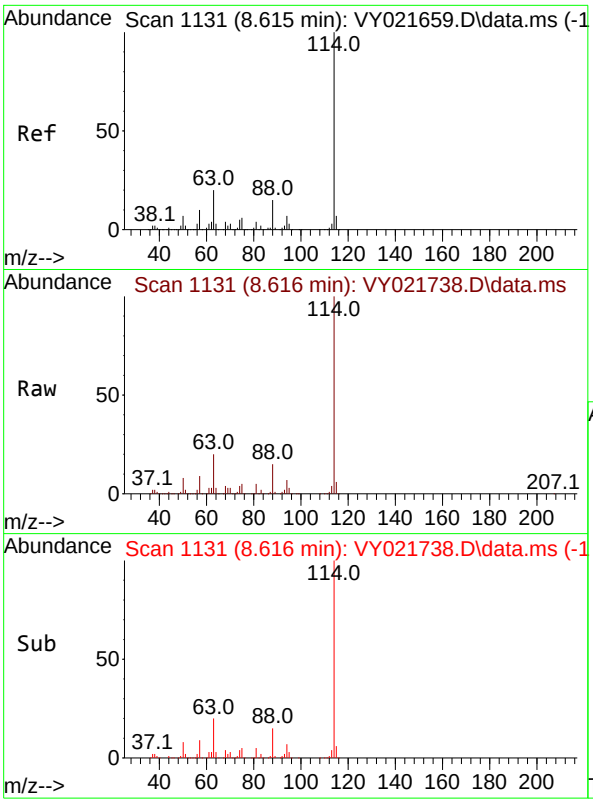


#33
1,2-Dichloroethane-d4
Concen: 56.680 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 65 Resp: 153980

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



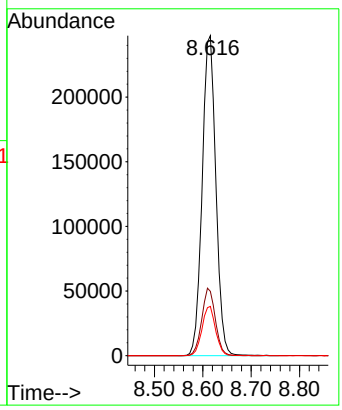


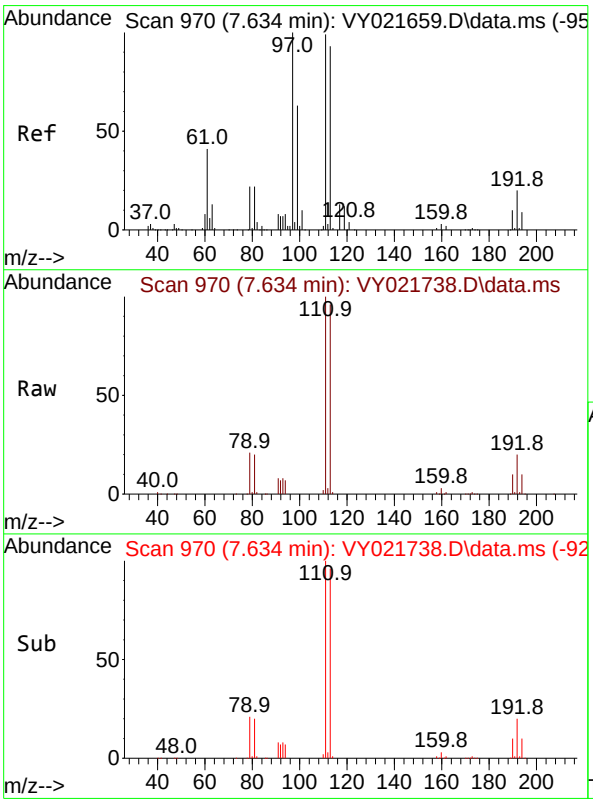
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:114 Resp: 486743

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.4	0.0	29.8

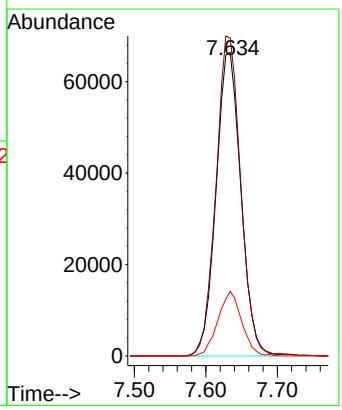


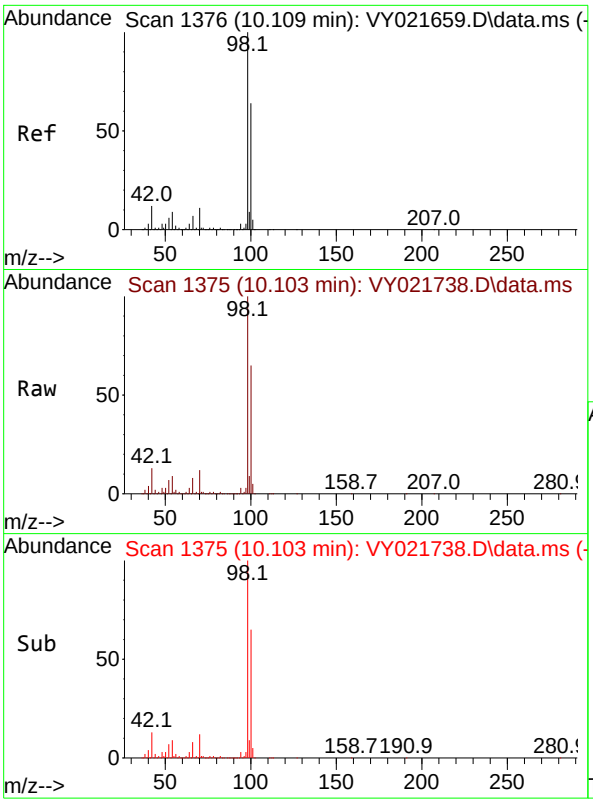


#35
Dibromofluoromethane
Concen: 50.709 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion:113 Resp: 160111

Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.6	123.8
192	20.5	16.2	24.4



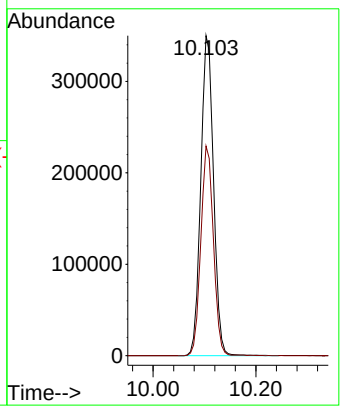


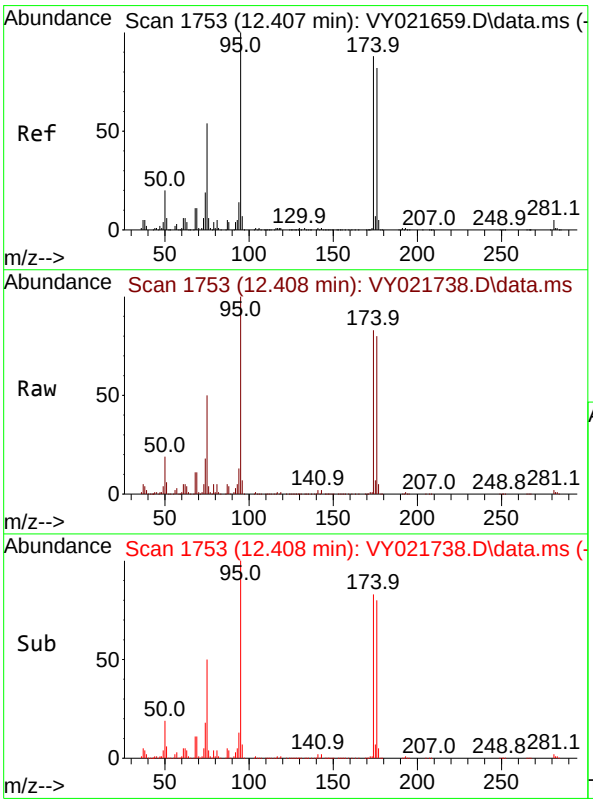
#50
Toluene-d8
Concen: 50.093 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion: 98 Resp: 601700

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

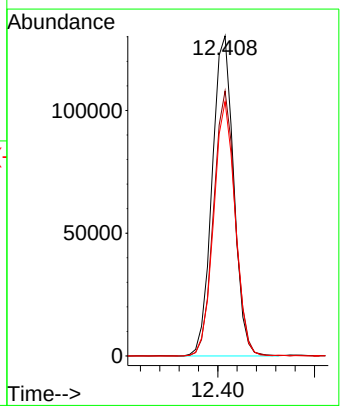


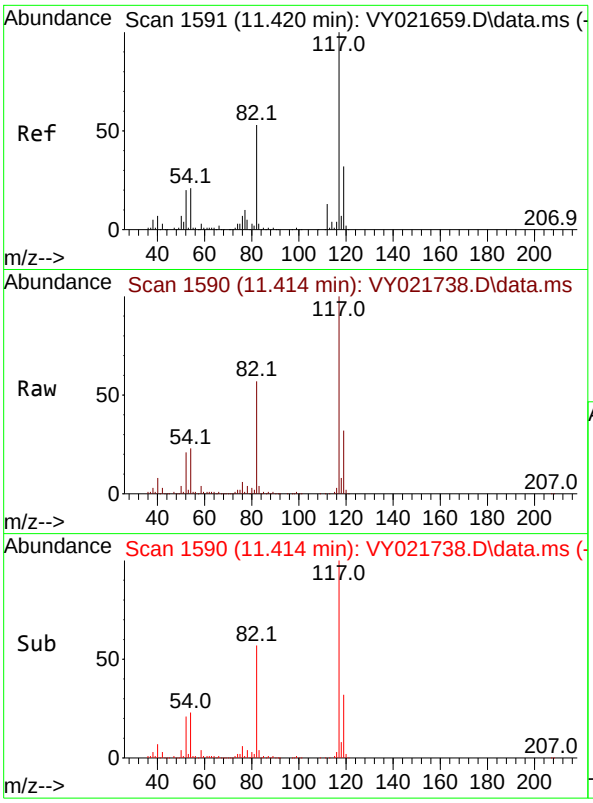


#62
4-Bromofluorobenzene
Concen: 49.672 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 95 Resp: 201813

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	170.8
176	79.2	0.0	162.0



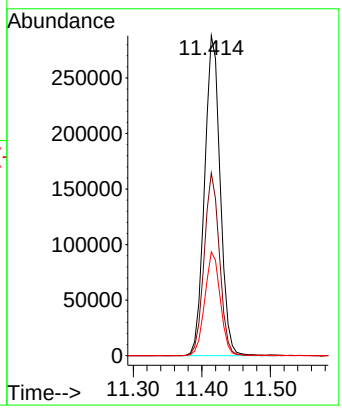


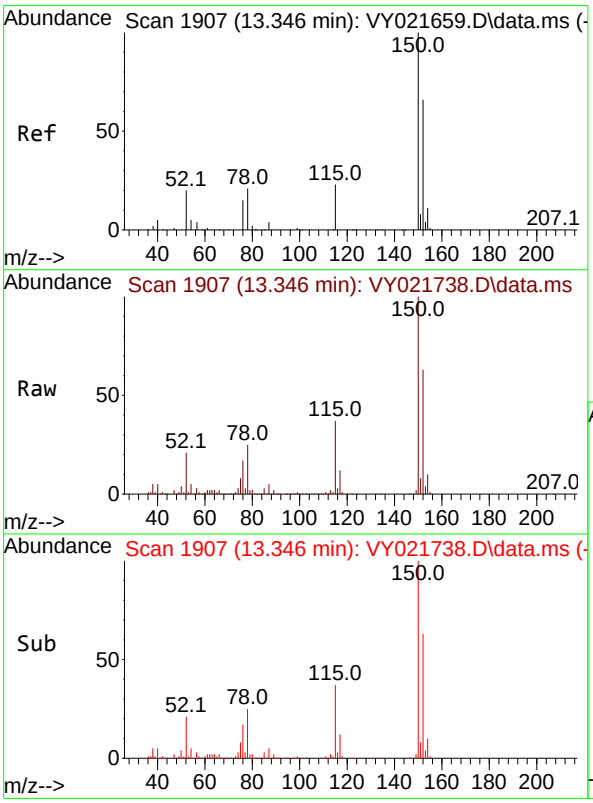
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:117 Resp: 457044

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.8	64.2
119	32.5	25.7	38.5

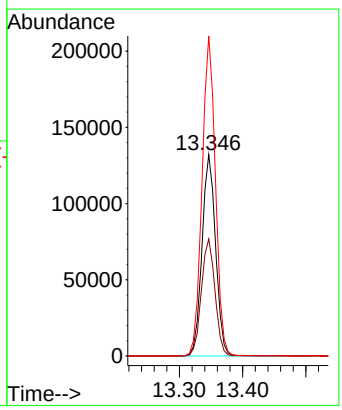




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion:152 Resp: 197804

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.8	86.5
150	156.7	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021738.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.860	345	351	362	rVB2	7442	21612	1.34%	0.235%
2	4.610	460	474	485	rBV2	18020	60134	3.73%	0.655%
3	7.634	958	970	976	rBV2	228054	559280	34.68%	6.094%
4	7.707	976	982	990	rVV	332641	757459	46.97%	8.253%
5	7.786	990	995	1006	rVB4	16615	42907	2.66%	0.467%
6	8.055	1030	1039	1052	rBV	195883	437507	27.13%	4.767%
7	8.244	1060	1070	1080	rBV	103872	247797	15.37%	2.700%
8	8.609	1121	1130	1142	rBV	582872	1157845	71.80%	12.615%
9	9.073	1200	1206	1210	rBV4	11788	25237	1.57%	0.275%
10	9.164	1217	1221	1229	rVV7	7564	16177	1.00%	0.176%
11	9.243	1229	1234	1243	rVB3	10047	20008	1.24%	0.218%
12	9.542	1275	1283	1295	rBV	70282	140883	8.74%	1.535%
13	9.670	1295	1304	1312	rBV2	101206	209110	12.97%	2.278%
14	10.103	1368	1375	1391	rVB	941969	1612574	100.00%	17.570%
15	10.536	1437	1446	1455	rBV7	14053	36206	2.25%	0.394%
16	11.414	1583	1590	1601	rBV	907317	1435885	89.04%	15.645%
17	12.408	1744	1753	1761	rBV	670247	1076984	66.79%	11.734%
18	13.346	1899	1907	1915	rBV	812368	1222611	75.82%	13.321%
19	13.883	1989	1995	2008	rVB	56988	97871	6.07%	1.066%

Sum of corrected areas: 9178087

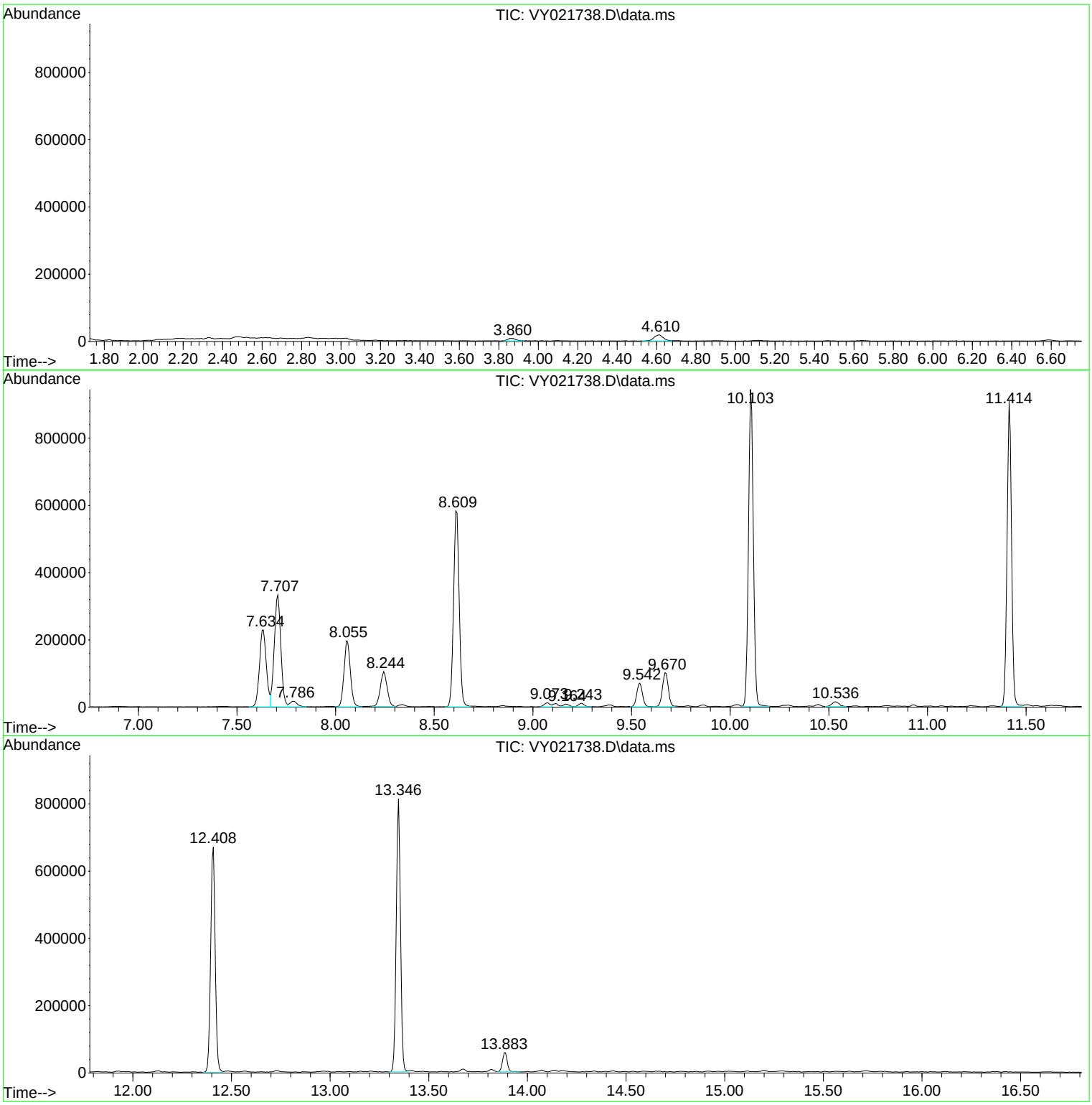
Sample Results: **VY021738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

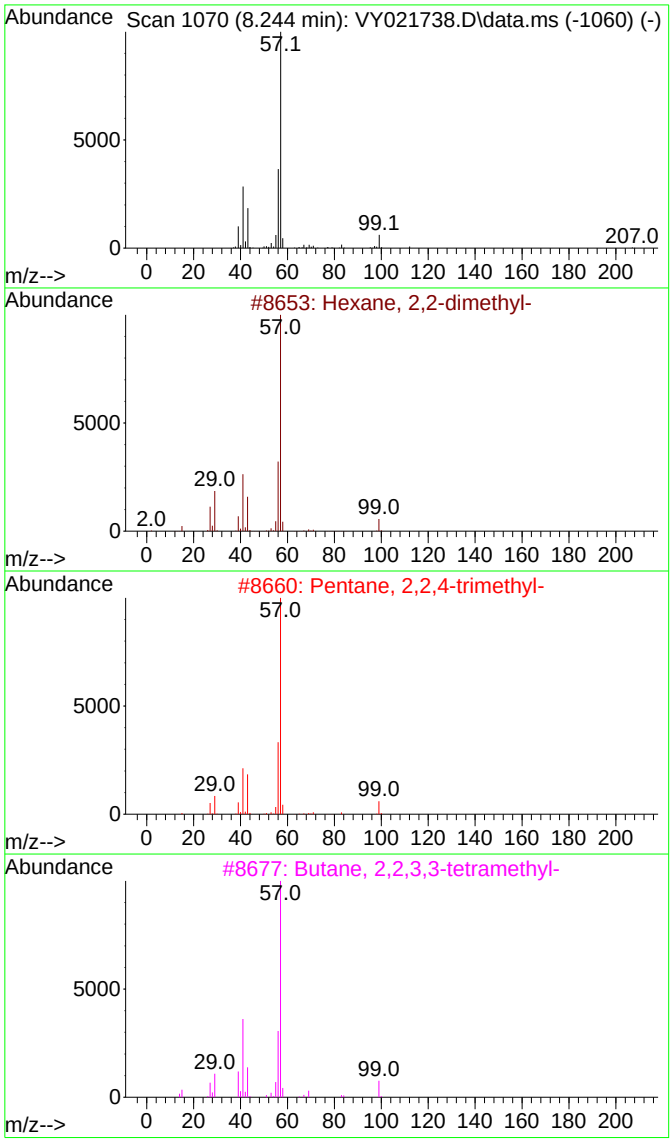
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

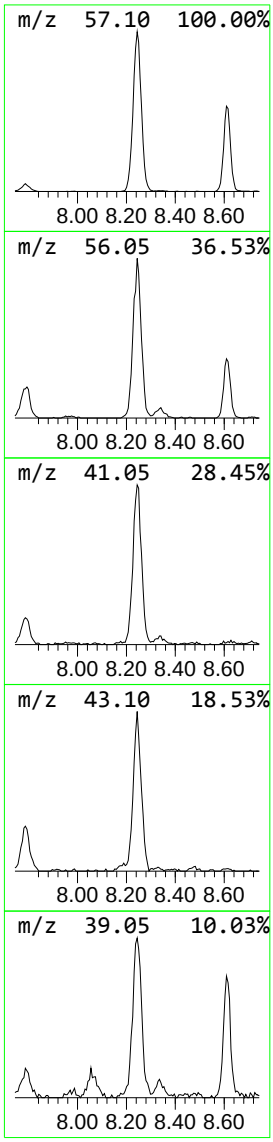
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	10.70 ug/l	247797	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59





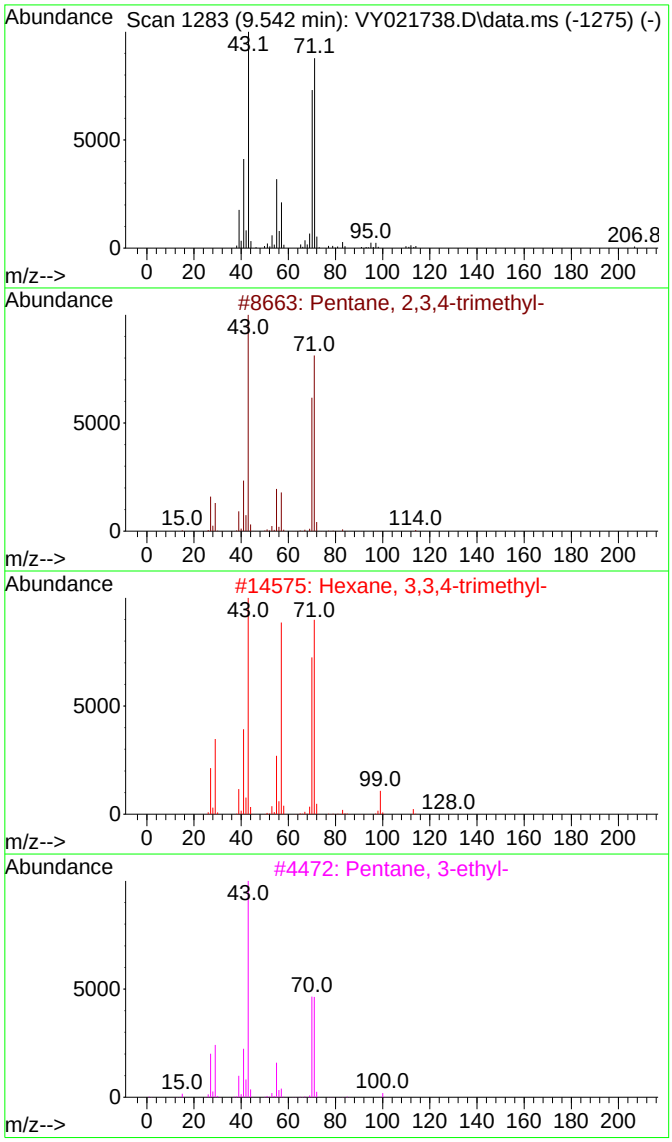
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On    : 01 Apr 2025  13:46
Operator  : SY/MD
Sample    : Q1675-12
Misc      : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

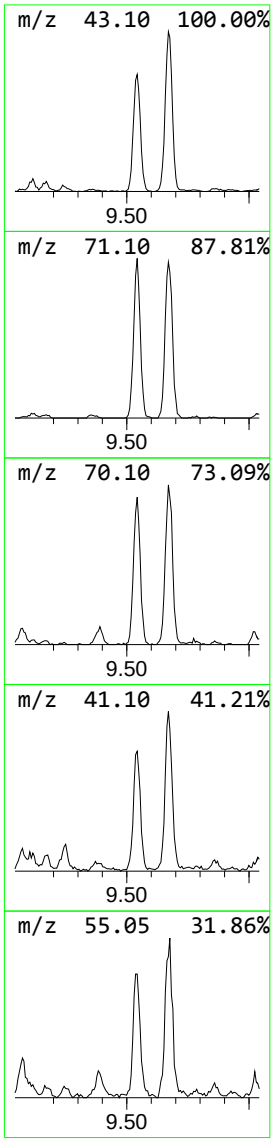
Instrument :
MSVOA_Y
ClientSampleId :
T6

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	6.08 ug/l	140883	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4	Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	64
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

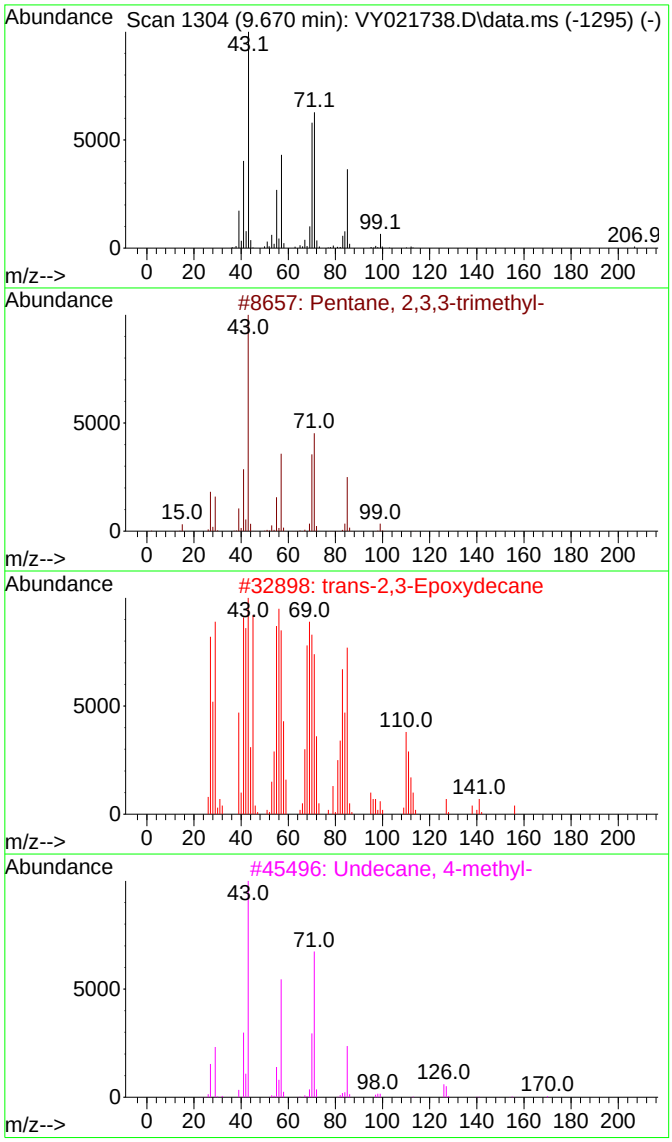
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

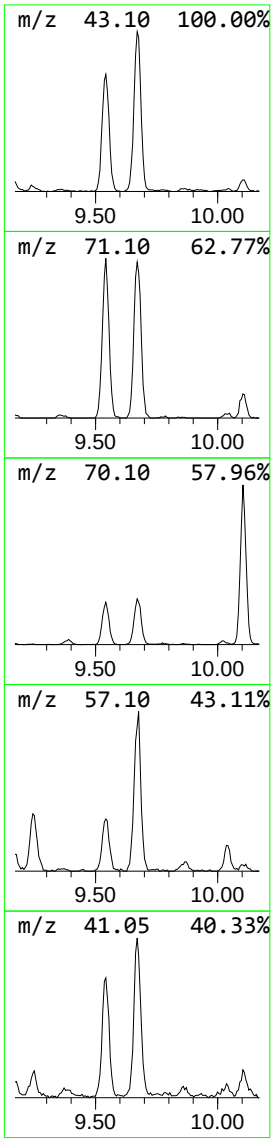
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	9.03 ug/l	209110	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	64
3	Undecane, 4-methyl-	170	C12H26	002980-69-0	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane, 2,2-dim...	8.244	10.7	ug/l	247797	2	8.616	1157850	50.0
Pentane, 2,3,4-...	9.542	6.1	ug/l	140883	2	8.616	1157850	50.0
Pentane, 2,3,3-...	9.670	9.0	ug/l	209110	2	8.616	1157850	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Time: Apr 01 05:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	226309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	372547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123723	50.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.920%			
35) Dibromofluoromethane	7.634	113	137529	50.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.260%			
50) Toluene-d8	10.109	98	510346	48.901	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.408	95	150957	42.764	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.520%			

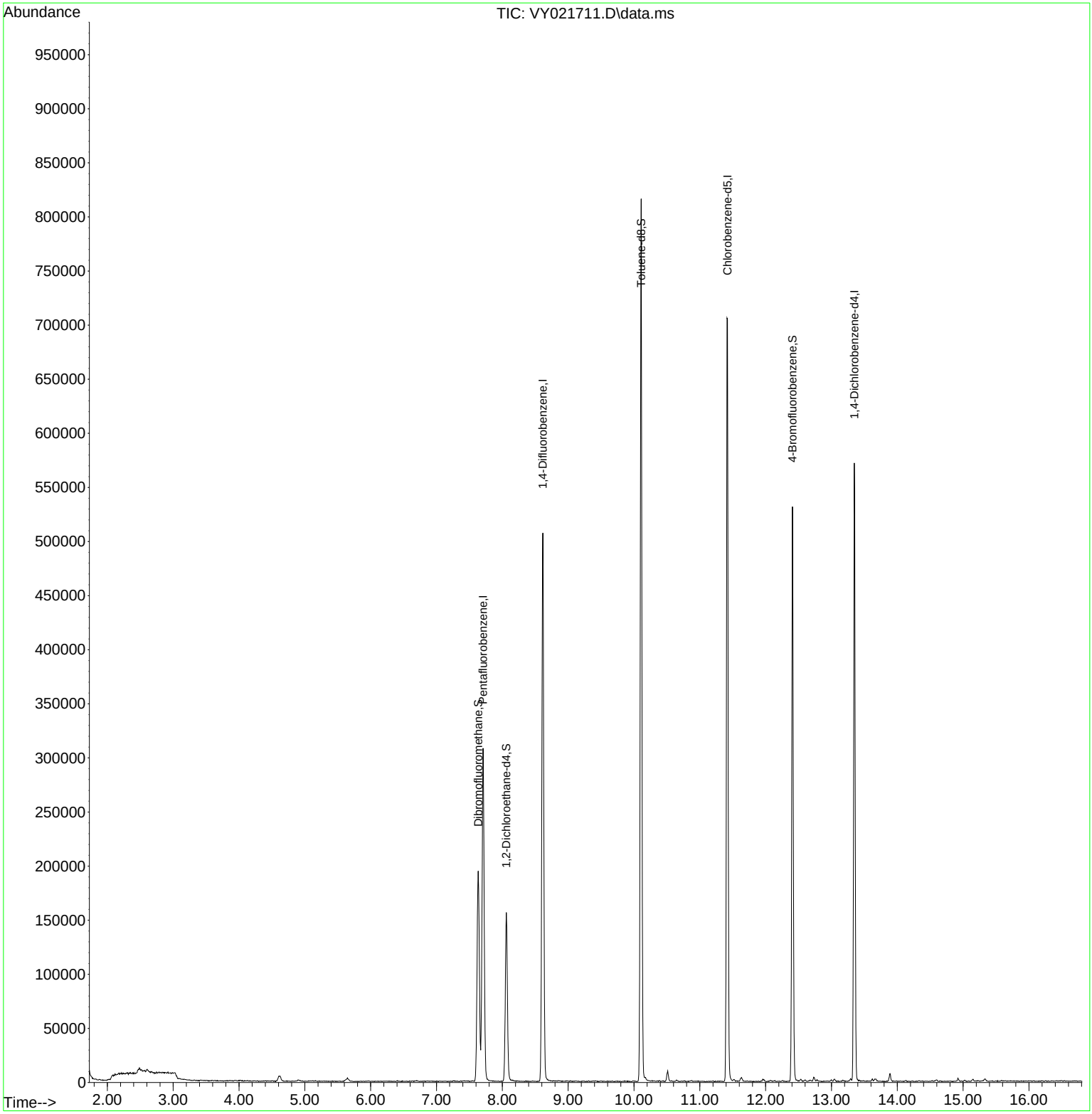
Target Compounds Qvalue

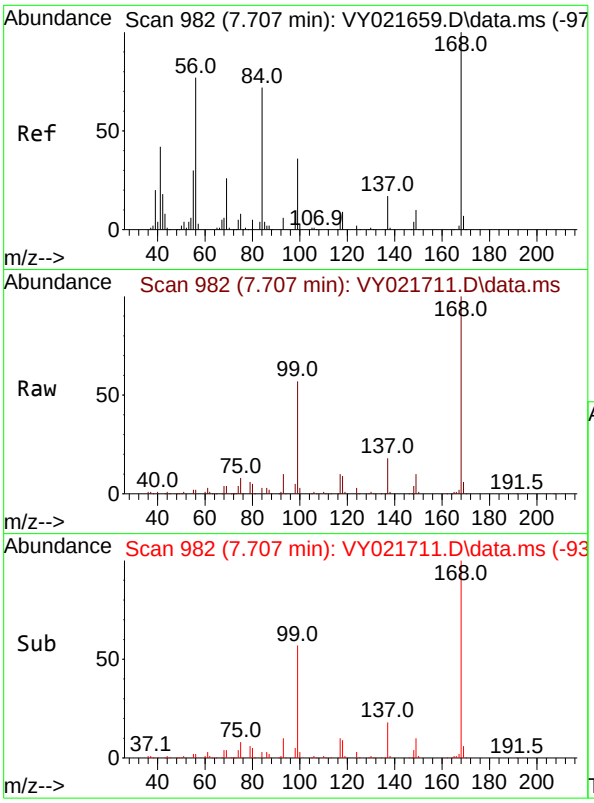
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Time: Apr 01 05:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



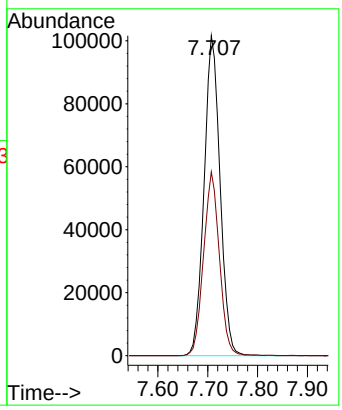


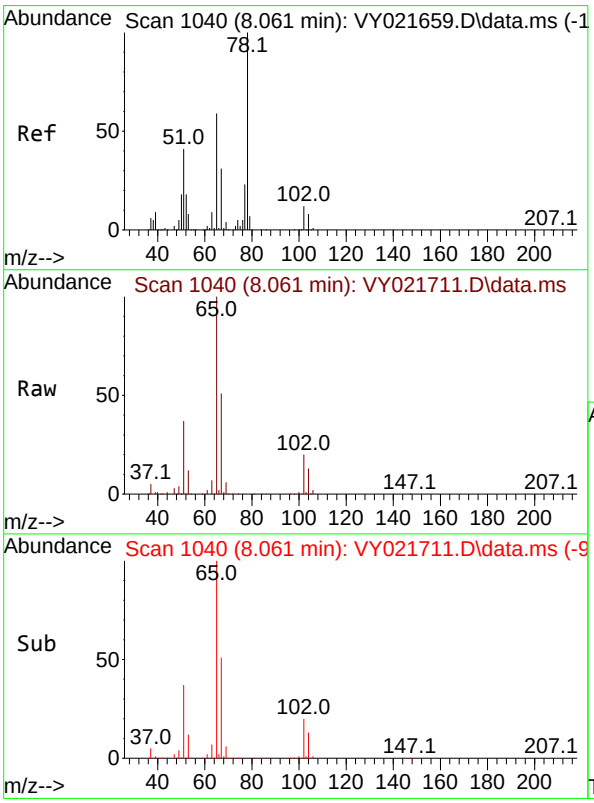
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:168 Resp: 226309

Ion	Ratio	Lower	Upper
168	100		
99	57.5	46.7	70.1

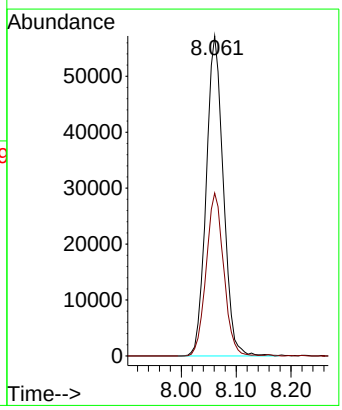


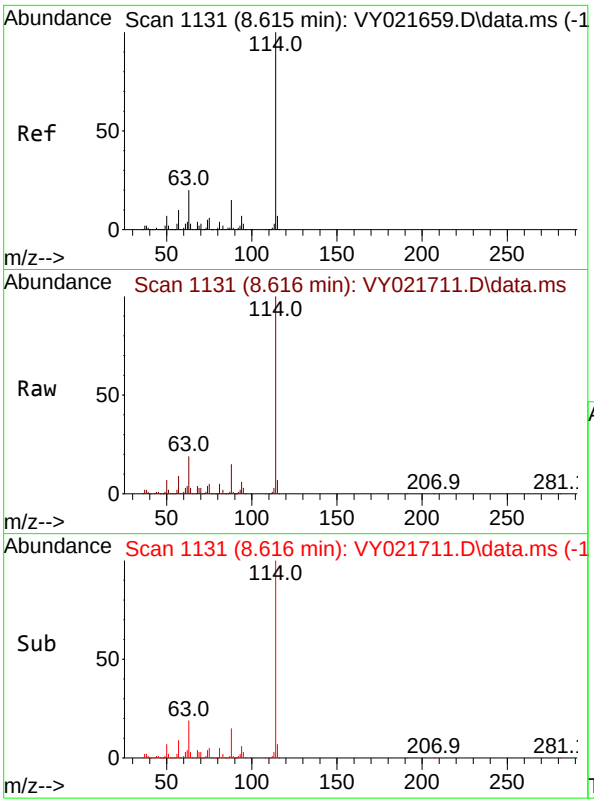


#33
1,2-Dichloroethane-d4
Concen: 50.458 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion: 65 Resp: 123723

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



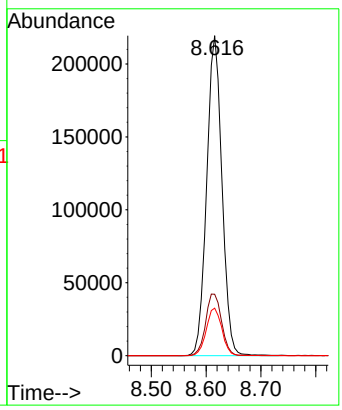


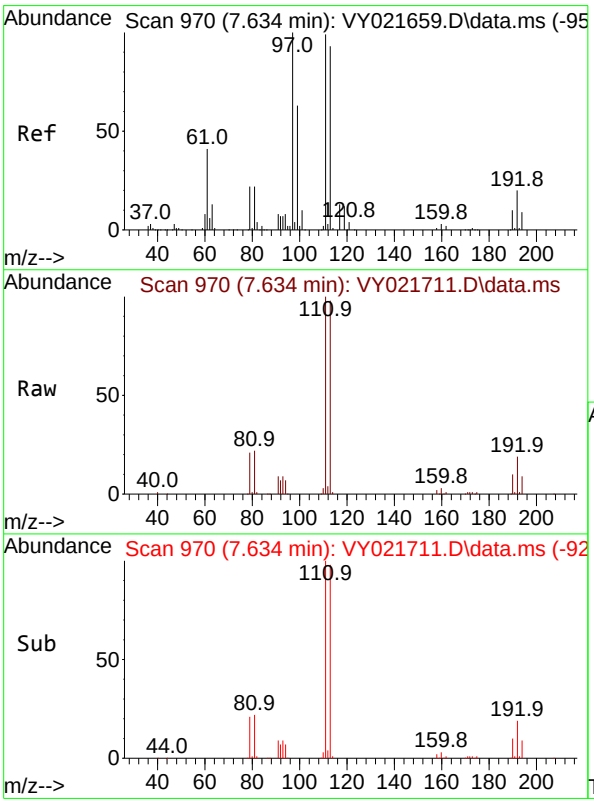
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:114 Resp: 422899

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.2
88	14.9	0.0	29.8

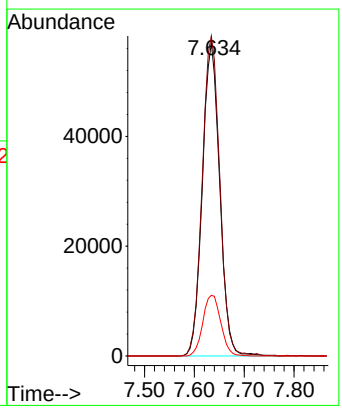


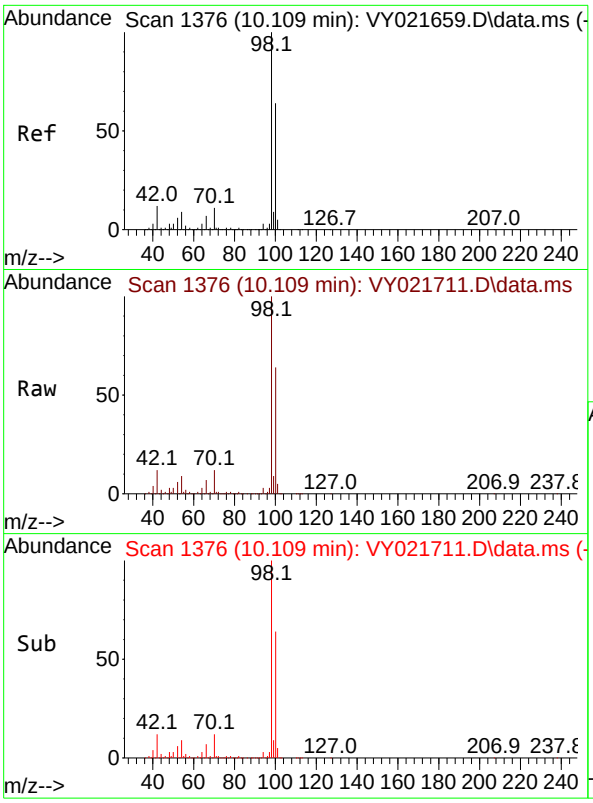


#35
Dibromofluoromethane
Concen: 50.133 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion:113 Resp: 137529

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	20.1	16.2	24.4



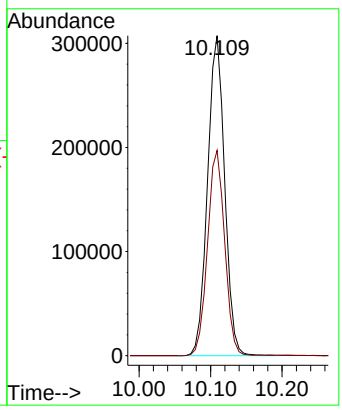


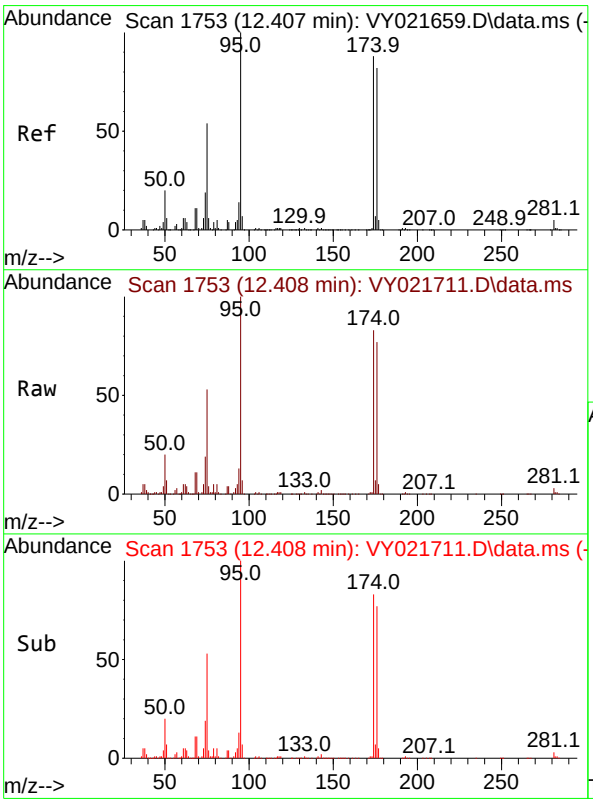
#50
Toluene-d8
Concen: 48.901 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion: 98 Resp: 510346

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

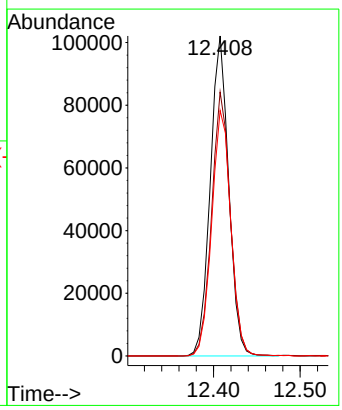


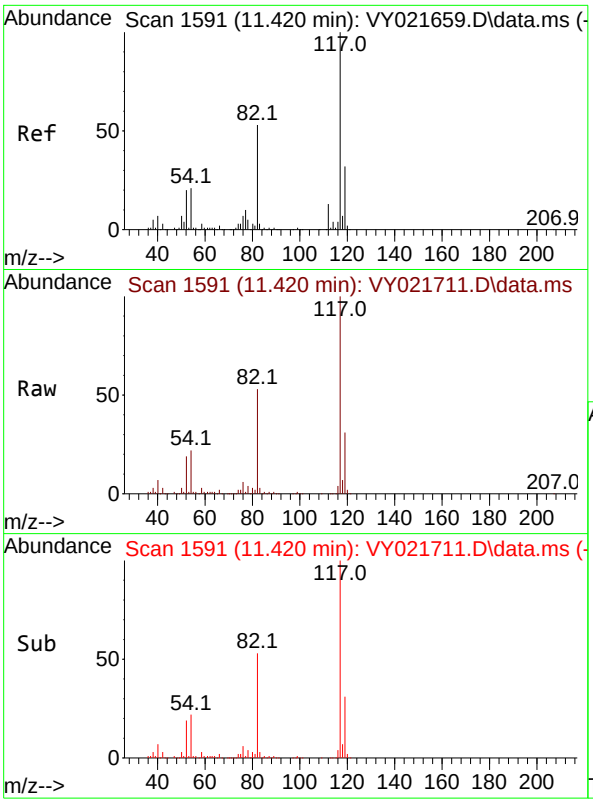


#62
4-Bromofluorobenzene
Concen: 42.764 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion: 95 Resp: 150957

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.8
176	79.8	0.0	162.0



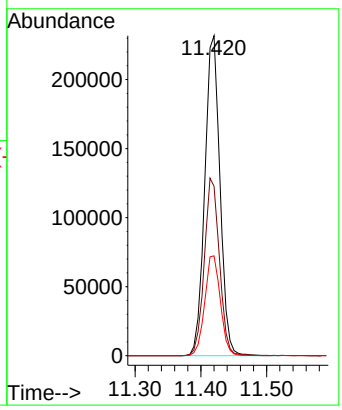


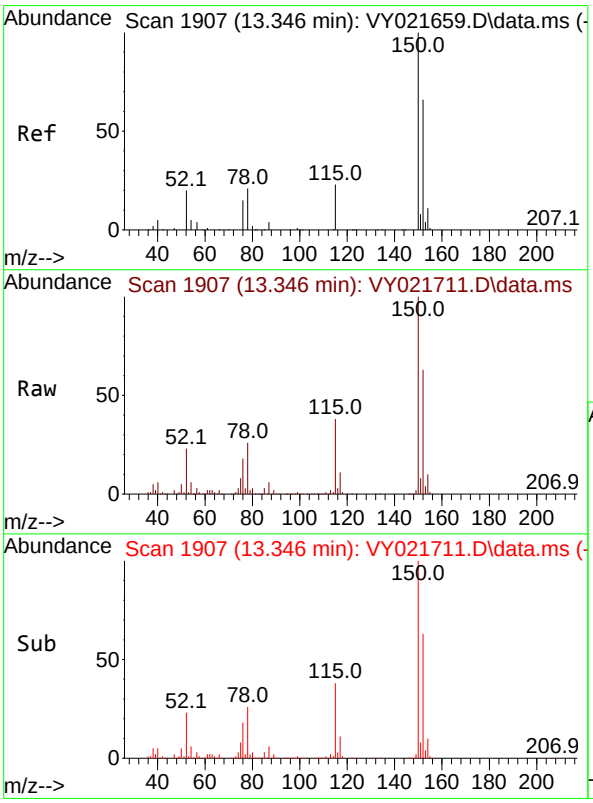
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:117 Resp: 372547

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	31.2	25.7	38.5

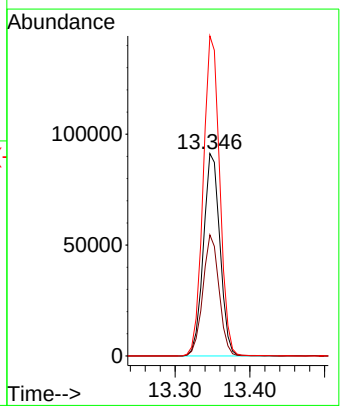




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion:152 Resp: 140307

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	157.8	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021711.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	960	970	976	rBV	194391	472904	34.51%	6.999%
2	7.707	976	982	996	rVB	307335	685157	49.99%	10.140%
3	8.061	1031	1040	1050	rBV	156180	344781	25.16%	5.102%
4	8.616	1122	1131	1146	rBV	506736	1002112	73.12%	14.830%
5	10.109	1364	1376	1385	rBV	815899	1370453	100.00%	20.282%
6	10.512	1434	1442	1449	rBV2	9775	17672	1.29%	0.262%
7	11.414	1580	1590	1604	rBV	705813	1170680	85.42%	17.325%
8	12.408	1746	1753	1762	rBV	530961	820533	59.87%	12.143%
9	13.346	1900	1907	1917	rVB	570923	872832	63.69%	12.917%

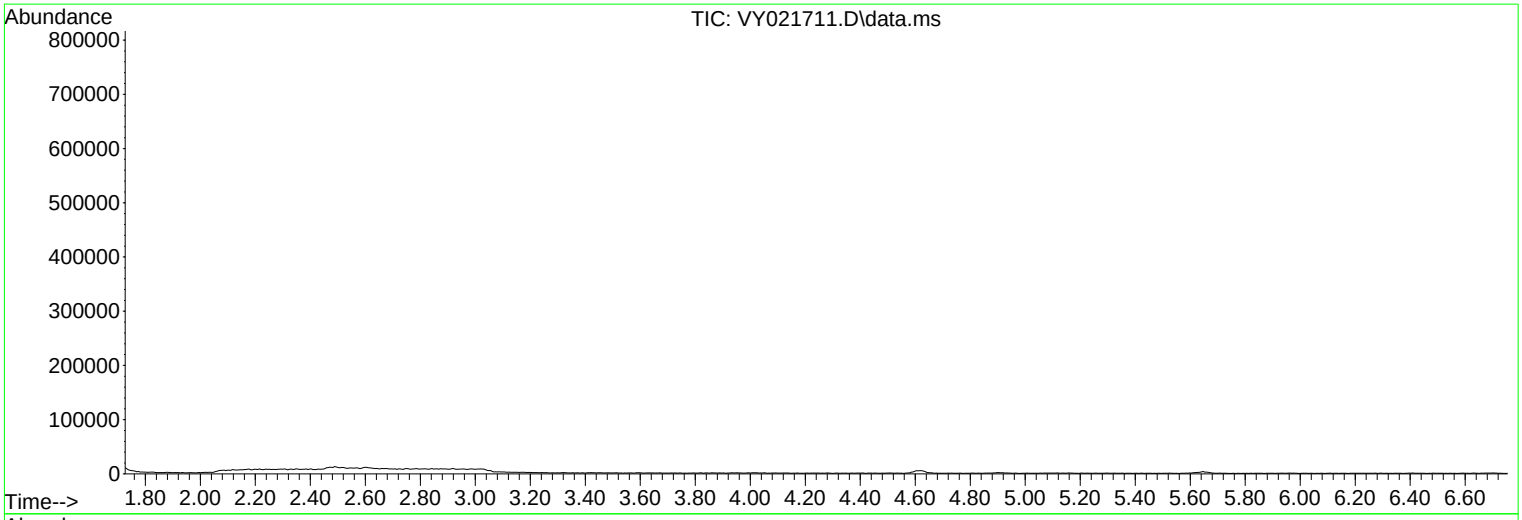
Sum of corrected areas: 6757124

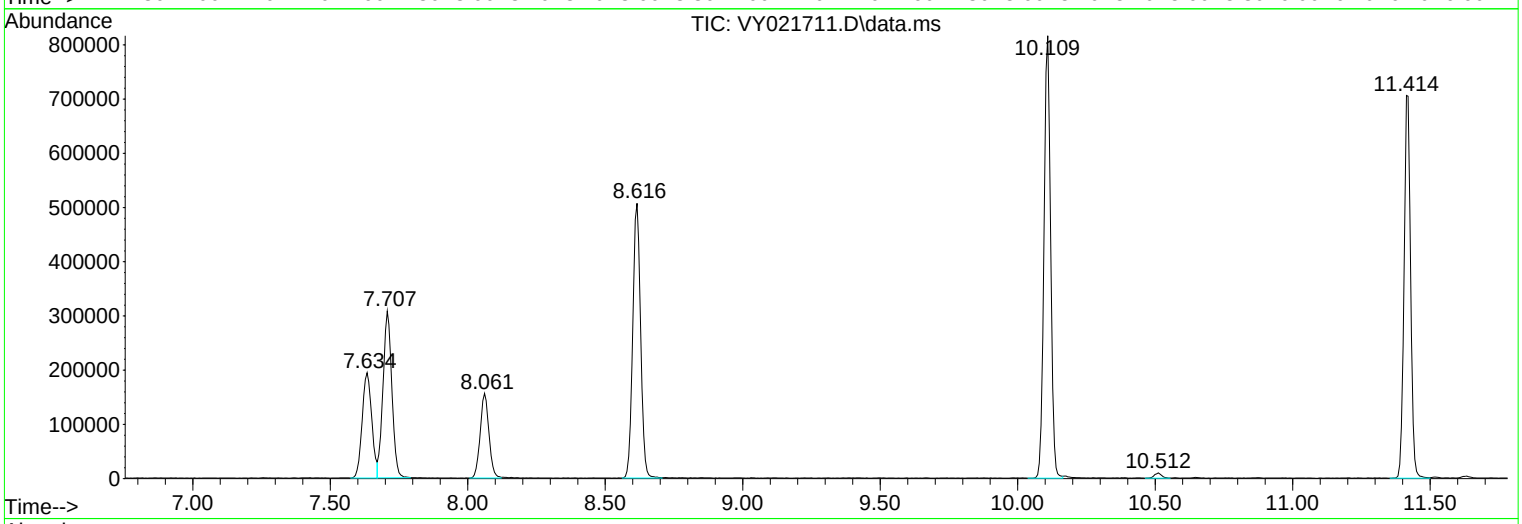
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

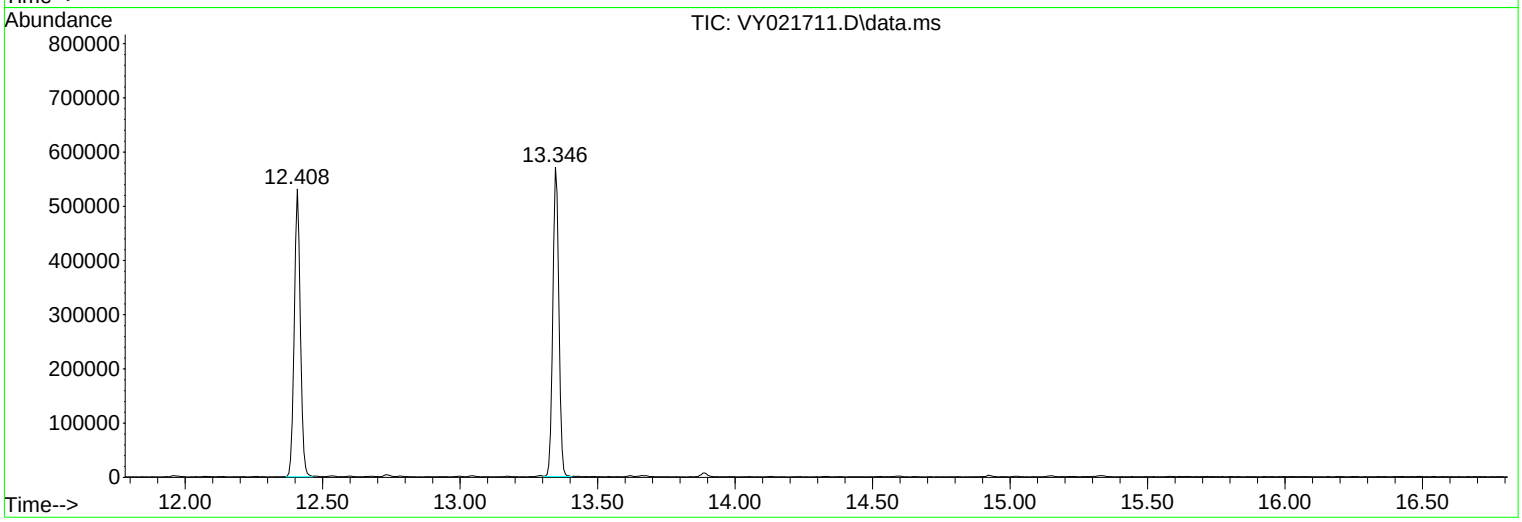
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Time: Apr 02 03:21:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	281152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	519589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	199303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	160703	52.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.520%			
35) Dibromofluoromethane	7.634	113	173925	51.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.103	98	633876	49.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.880%			
62) 4-Bromofluorobenzene	12.408	95	205202	47.313	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.620%			

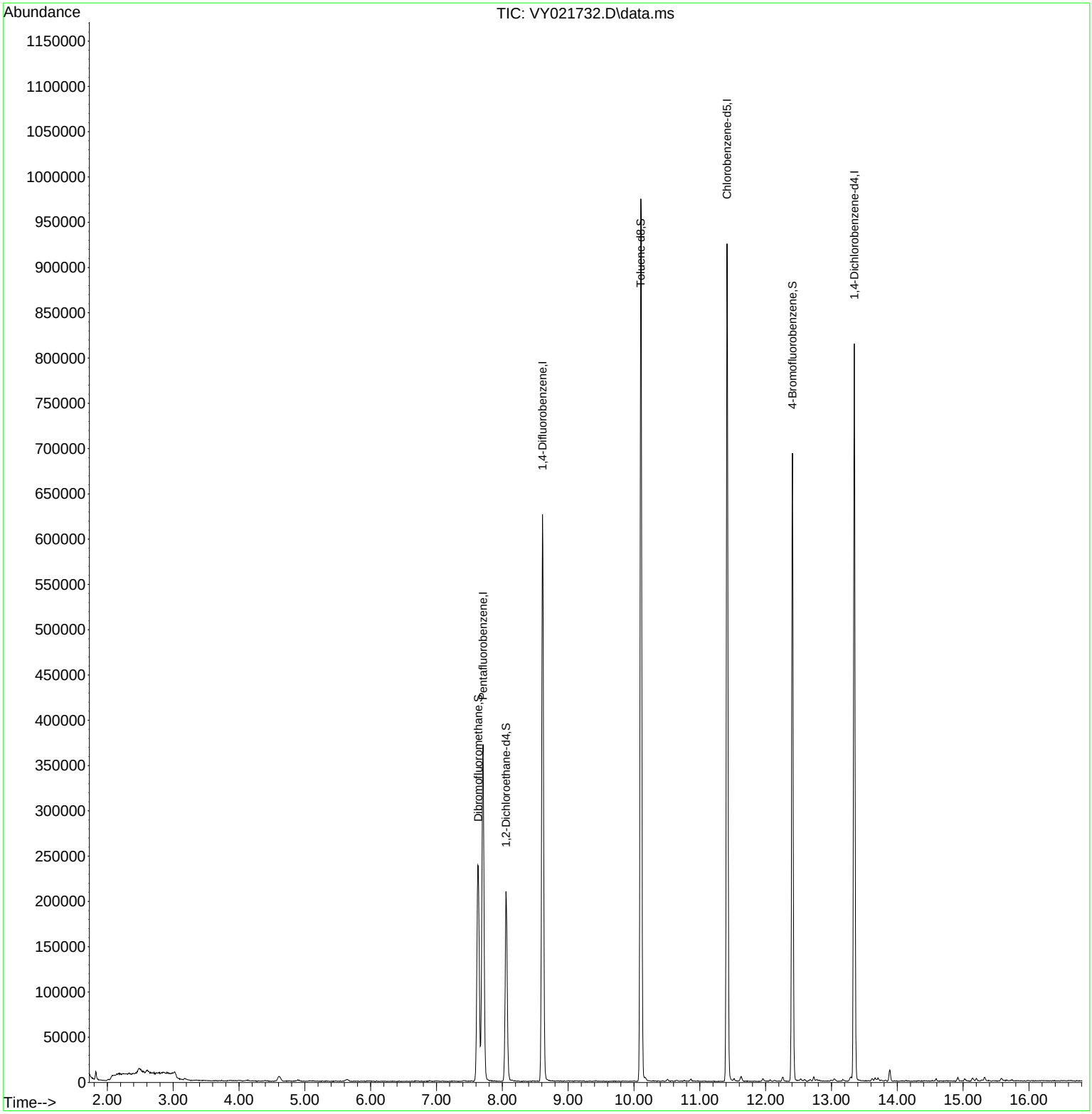
Target Compounds Qvalue

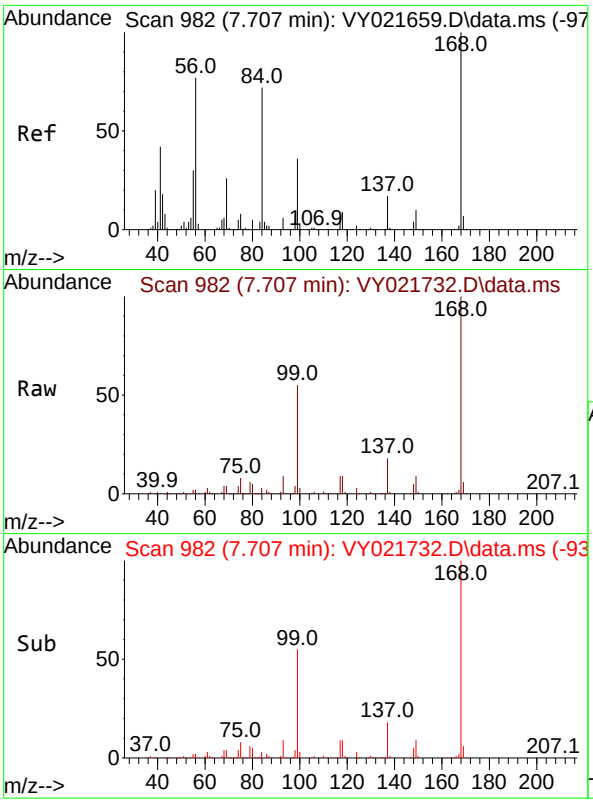
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Time: Apr 02 03:21:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



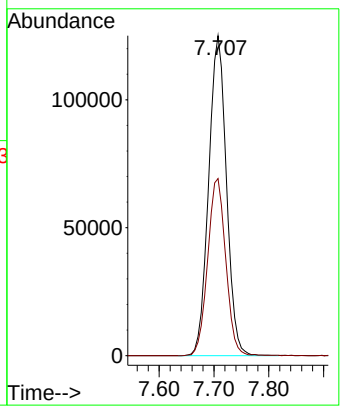


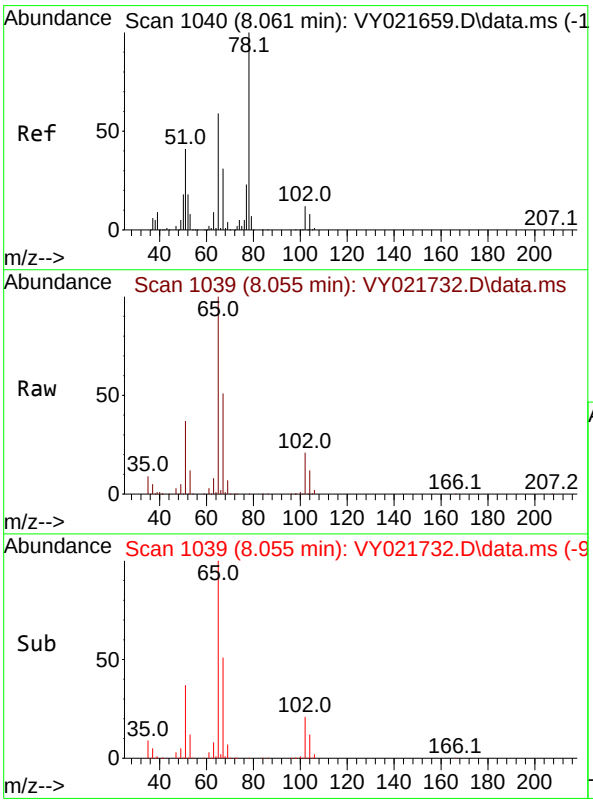
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:168 Resp: 281152

Ion	Ratio	Lower	Upper
168	100		
99	55.4	46.7	70.1

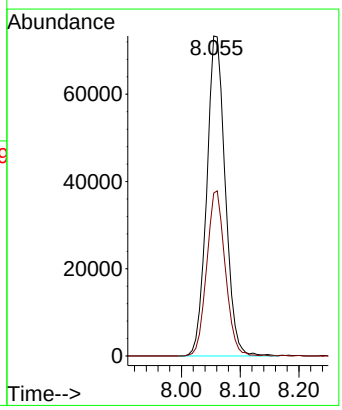


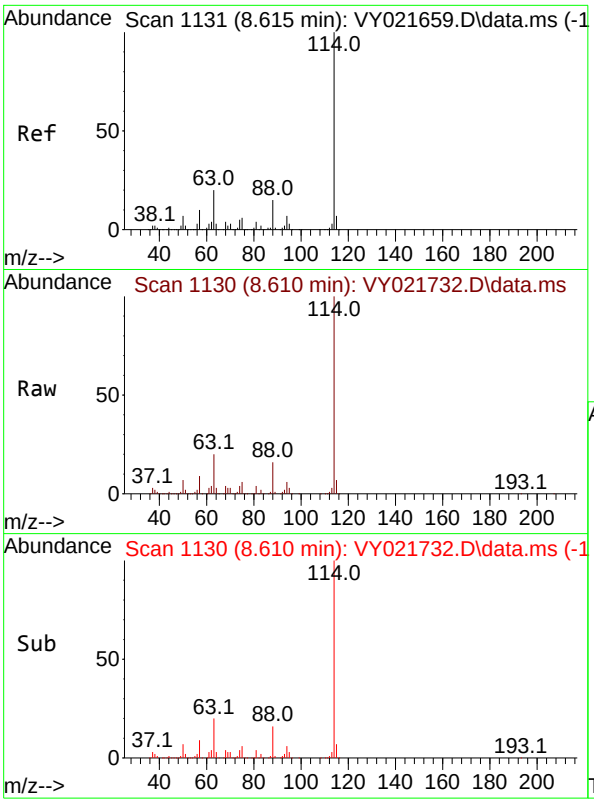


#33
1,2-Dichloroethane-d4
Concen: 52.755 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion: 65 Resp: 160703

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6



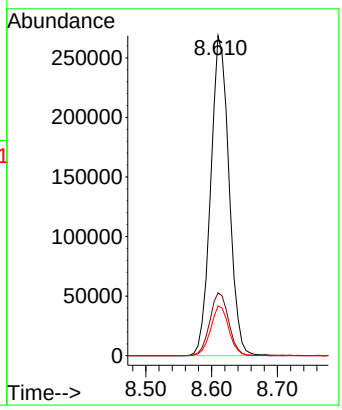


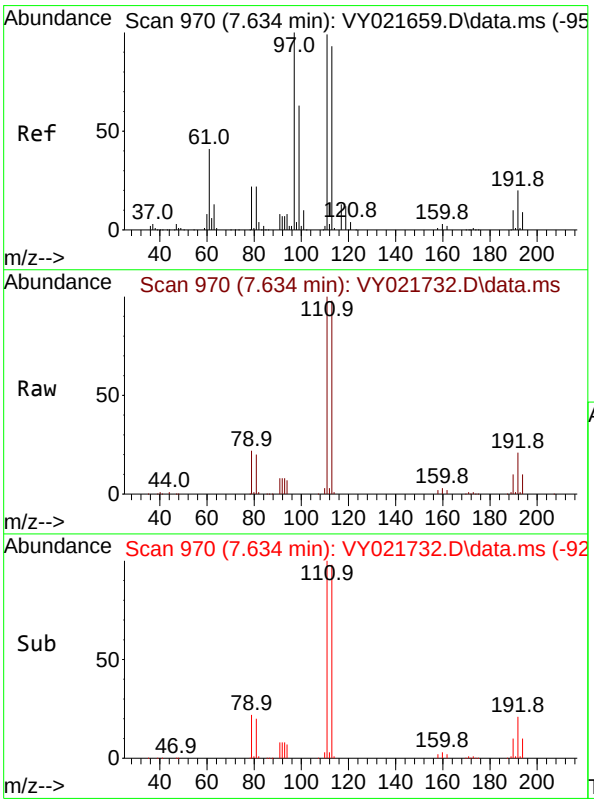
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:114 Resp: 519589

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.2
88	15.6	0.0	29.8

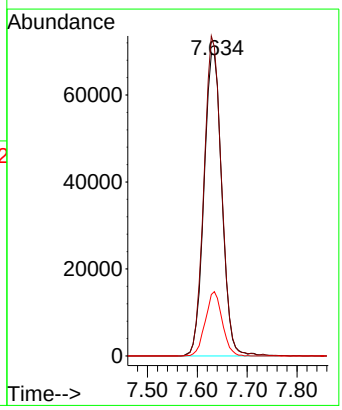


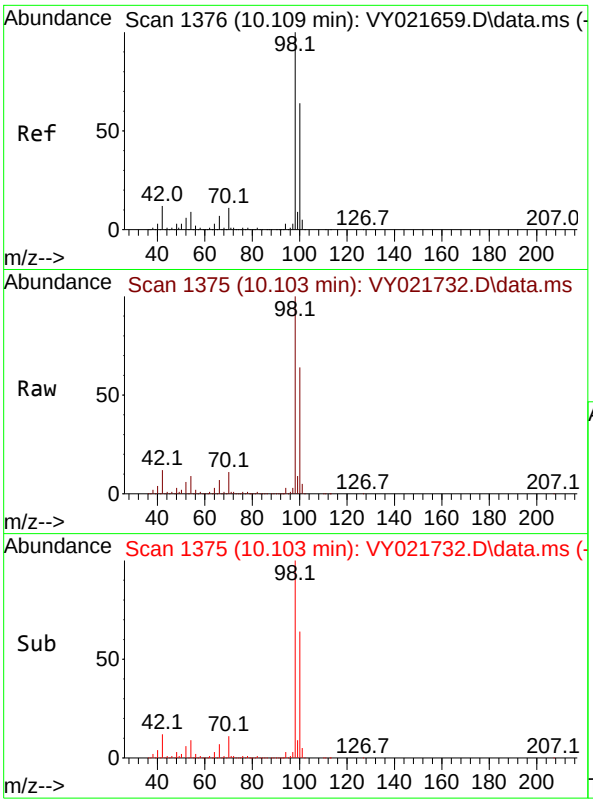


#35
Dibromofluoromethane
Concen: 51.602 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion:113 Resp: 173925

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.1	16.2	24.4



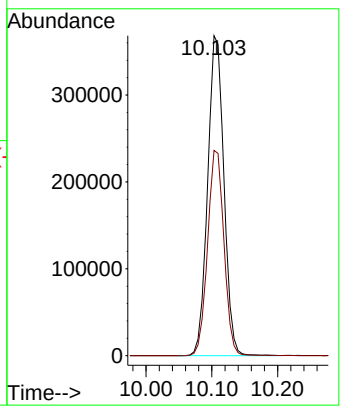


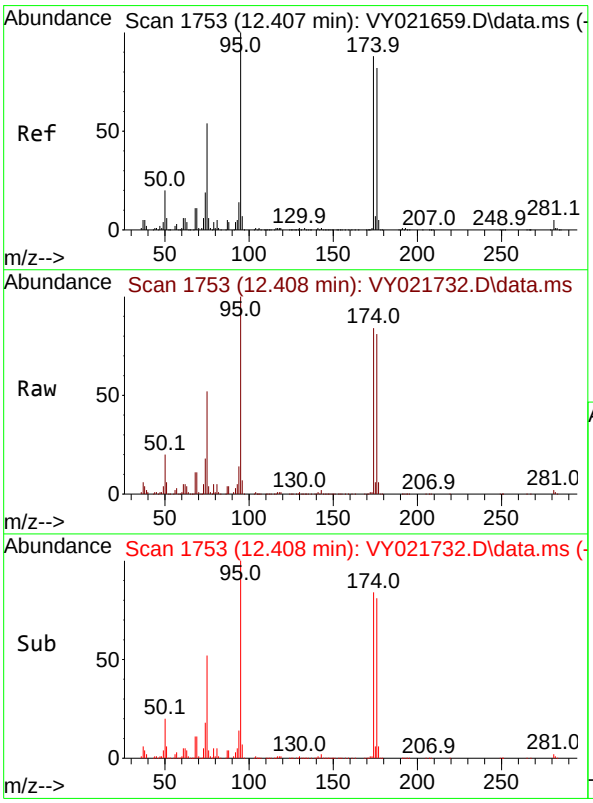
#50
Toluene-d8
Concen: 49.435 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion: 98 Resp: 633876

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

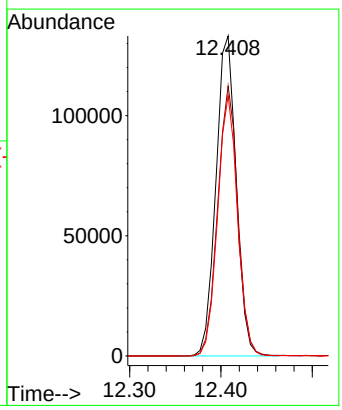


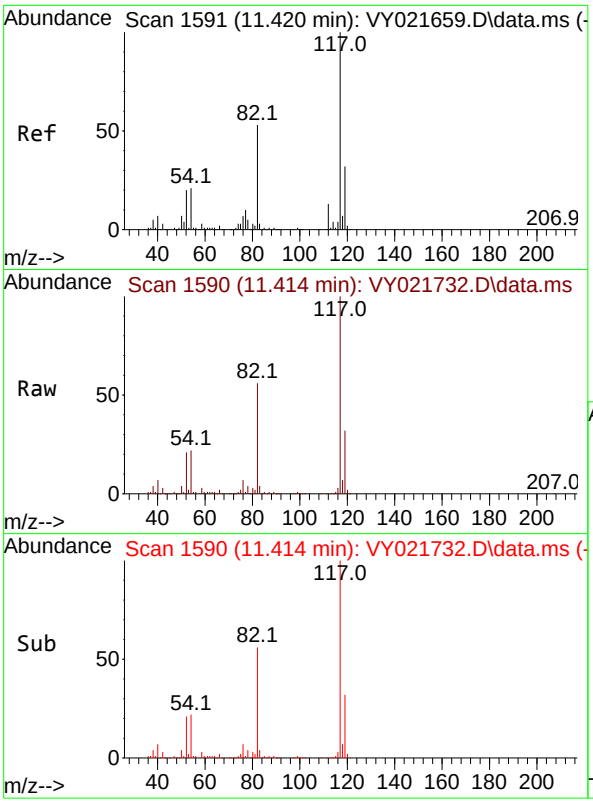


#62
4-Bromofluorobenzene
Concen: 47.313 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion: 95 Resp: 205202

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.8
176	79.7	0.0	162.0



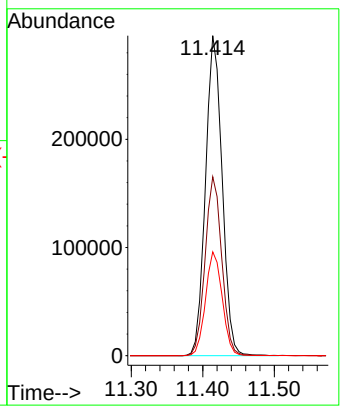


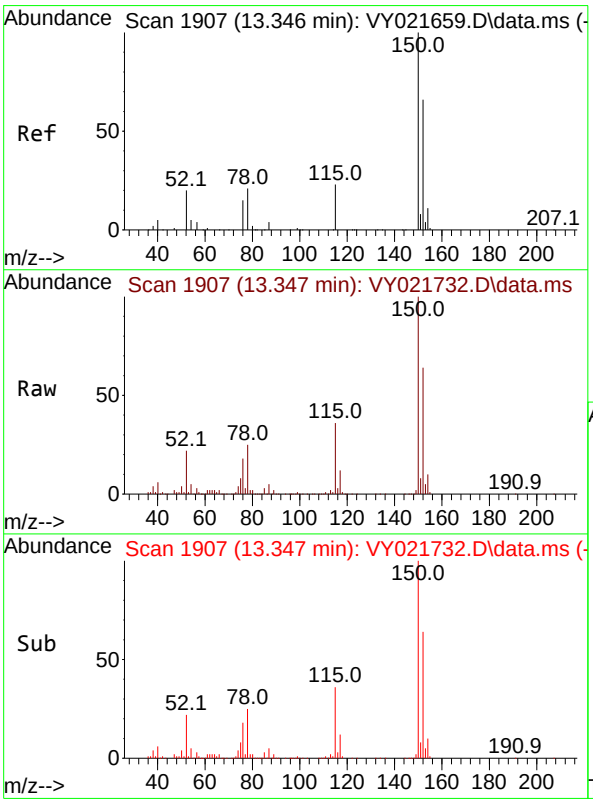
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:117 Resp: 477574

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.4	25.7	38.5

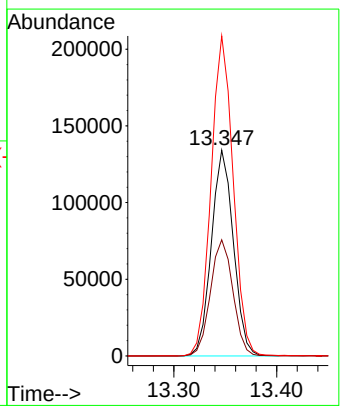




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion:152 Resp: 199303

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.8	86.5
150	156.5	0.0	348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021732.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.628	958	969	975	rBV	238906	587089	34.74%	6.788%
2	7.707	975	982	998	rVB	371699	852345	50.44%	9.855%
3	8.055	1030	1039	1049	rBV2	209441	453632	26.84%	5.245%
4	8.610	1122	1130	1141	rBV	625759	1223619	72.41%	14.147%
5	10.103	1366	1375	1384	rBV	974595	1689893	100.00%	19.538%
6	11.414	1582	1590	1604	rBV	924860	1503514	88.97%	17.383%
7	12.408	1744	1753	1762	rBV	693714	1088395	64.41%	12.584%
8	13.347	1900	1907	1919	rVB	813462	1228179	72.68%	14.200%
9	13.883	1989	1995	2003	rBV2	12655	22517	1.33%	0.260%

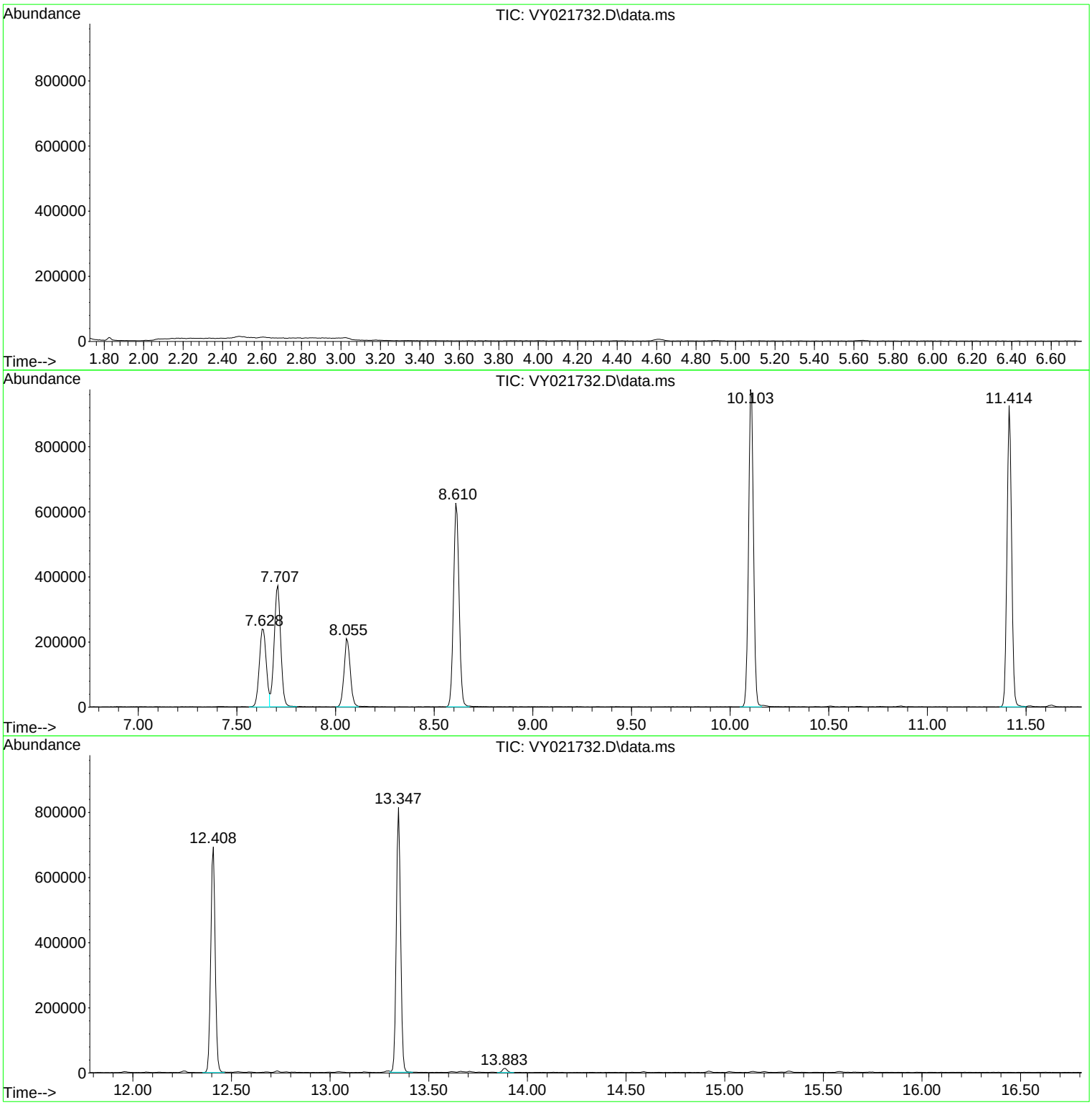
Sum of corrected areas: 8649183

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	327567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114544	50.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.634	113	112006	52.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	421935	52.196	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.407	95	139565	51.043	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42694	19.617	ug/l	99
3) Chloromethane	2.068	50	59061	19.299	ug/l	99
4) Vinyl Chloride	2.202	62	66406	19.187	ug/l	100
5) Bromomethane	2.592	94	48623	20.599	ug/l	99
6) Chloroethane	2.732	64	44015	19.435	ug/l	97
7) Trichlorofluoromethane	3.055	101	86708	19.558	ug/l	96
8) Diethyl Ether	3.452	74	22675	18.807	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46607	19.932	ug/l	98
10) Methyl Iodide	4.007	142	43781	17.067	ug/l	98
11) Tert butyl alcohol	4.860	59	13209	89.388	ug/l	98
12) 1,1-Dichloroethene	3.793	96	42010	19.074	ug/l	91
13) Acrolein	3.647	56	20472	75.872	ug/l	99
14) Allyl chloride	4.378	41	67154	19.123	ug/l	99
15) Acrylonitrile	5.061	53	46751	92.869	ug/l	99
16) Acetone	3.866	43	44494	95.560	ug/l	98
17) Carbon Disulfide	4.104	76	136937	18.877	ug/l	99
18) Methyl Acetate	4.385	43	22222	19.257	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	102080	18.616	ug/l	99
20) Methylene Chloride	4.616	84	51551	20.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46975	19.371	ug/l	95
22) Diisopropyl ether	6.018	45	145363	19.733	ug/l	97
23) Vinyl Acetate	5.957	43	402538	93.408	ug/l	99
24) 1,1-Dichloroethane	5.915	63	87037	19.759	ug/l	99
25) 2-Butanone	6.890	43	60441	90.883	ug/l	100
26) 2,2-Dichloropropane	6.884	77	76700	19.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53359	19.566	ug/l	98
28) Bromochloromethane	7.244	49	36351	19.568	ug/l	96
29) Tetrahydrofuran	7.262	42	39804	92.997	ug/l	99
30) Chloroform	7.421	83	90776	19.814	ug/l	99
31) Cyclohexane	7.701	56	74083	18.450	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	82041	19.813	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62556	19.328	ug/l	97
37) Ethyl Acetate	6.988	43	28539	18.684	ug/l	99
38) Carbon Tetrachloride	7.817	117	74182	20.012	ug/l	96
39) Methylcyclohexane	9.109	83	72833	18.838	ug/l	97
40) Benzene	8.079	78	191618	19.770	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	16227m	20.004	ug/l		
42) 1,2-Dichloroethane	8.158	62	54319	19.879	ug/l		99
43) Isopropyl Acetate	8.195	43	52723	18.214	ug/l		99
44) Trichloroethene	8.865	130	49144	19.900	ug/l		98
45) 1,2-Dichloropropane	9.140	63	46508	20.271	ug/l		99
46) Dibromomethane	9.231	93	26264	19.863	ug/l		99
47) Bromodichloromethane	9.420	83	68455	19.980	ug/l		97
48) Methyl methacrylate	9.219	41	23970	18.043	ug/l		98
49) 1,4-Dioxane	9.225	88	5445	384.406	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	138649	92.043	ug/l		100
52) Toluene	10.170	92	121643	20.115	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	59086	19.416	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	70169	19.545	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33939	19.946	ug/l		98
56) Ethyl methacrylate	10.438	69	39458	18.161	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57715	19.639	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	101196	95.474	ug/l		98
59) 2-Hexanone	10.761	43	90774	90.484	ug/l		98
60) Dibromochloromethane	10.914	129	46243	19.905	ug/l		99
61) 1,2-Dibromoethane	11.011	107	31289	19.602	ug/l		99
64) Tetrachloroethene	10.646	164	53898	20.297	ug/l		98
65) Chlorobenzene	11.444	112	130206	19.481	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	46738	19.709	ug/l		98
67) Ethyl Benzene	11.517	91	219797	19.178	ug/l		100
68) m/p-Xylenes	11.627	106	170854	38.930	ug/l		99
69) o-Xylene	11.956	106	77769	19.197	ug/l		99
70) Styrene	11.969	104	133024	19.694	ug/l		99
71) Bromoform	12.133	173	27019	19.974	ug/l	#	98
73) Isopropylbenzene	12.255	105	209283	19.380	ug/l		100
74) N-amyl acetate	12.072	43	44341	17.495	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37610	19.371	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	23540m	16.333	ug/l		
77) Bromobenzene	12.536	156	50810	19.596	ug/l		98
78) n-propylbenzene	12.596	91	255379	19.670	ug/l		100
79) 2-Chlorotoluene	12.682	91	149058	19.767	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	173479	19.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11906	19.034	ug/l		96
82) 4-Chlorotoluene	12.779	91	153149	19.480	ug/l		99
83) tert-Butylbenzene	12.999	119	150109	19.095	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	171420	19.651	ug/l		100
85) sec-Butylbenzene	13.176	105	225682	19.644	ug/l		99
86) p-Isopropyltoluene	13.291	119	186815	19.674	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	102433	20.052	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	100004	19.814	ug/l		99
89) n-Butylbenzene	13.621	91	169456	19.297	ug/l		99
90) Hexachloroethane	13.883	117	40626	19.524	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	88038	19.797	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5686	18.895	ug/l		96
93) 1,2,4-Trichlorobenzene	14.925	180	44234	18.342	ug/l		98
94) Hexachlorobutadiene	15.029	225	28512	18.931	ug/l		98
95) Naphthalene	15.145	128	64689	16.183	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	36636	17.815	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

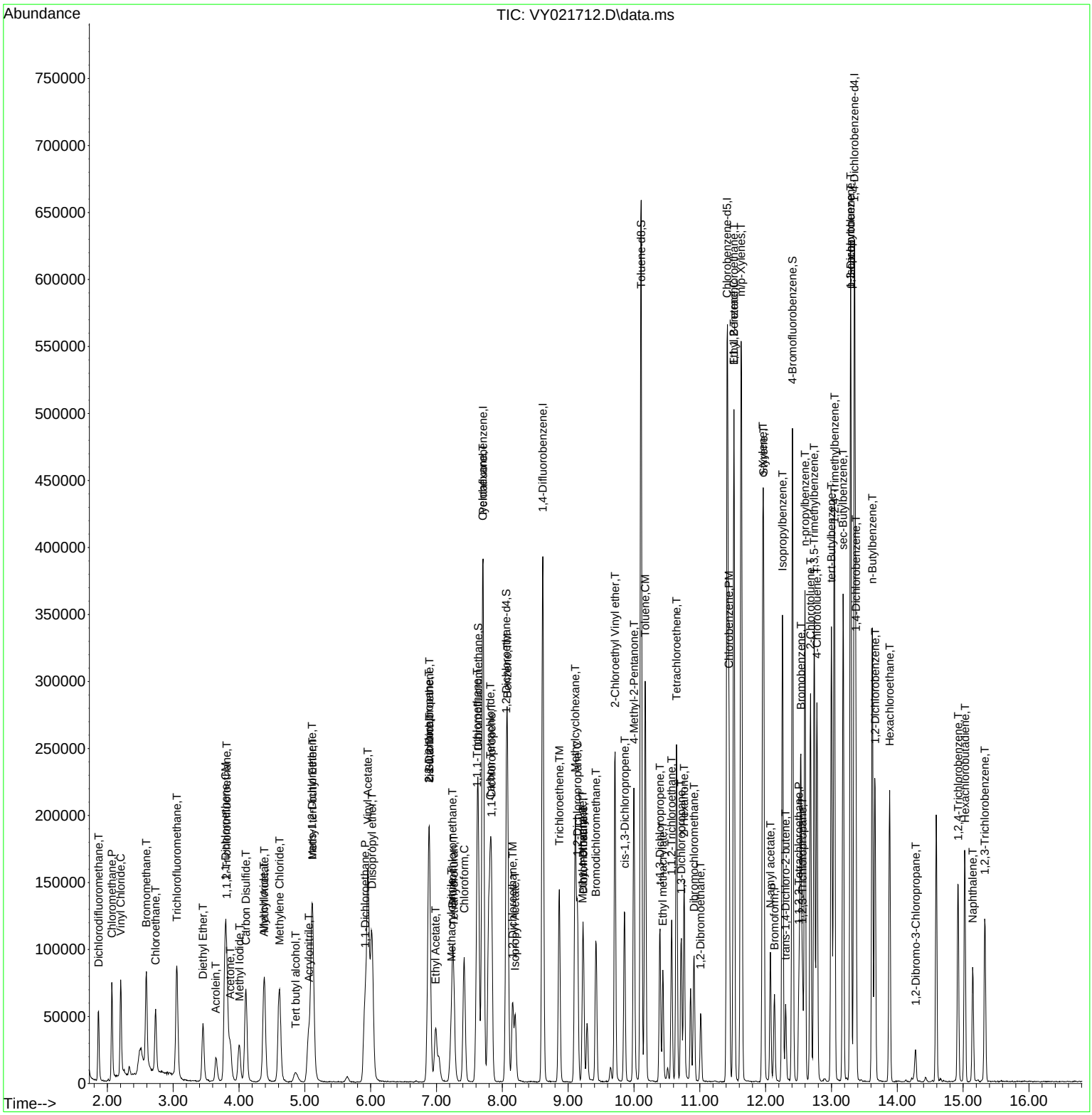
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	262284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	407591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	358349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148566	52.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	143137	54.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.280%			
50) Toluene-d8	10.103	98	552526	54.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.408	95	184811	54.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	52708	19.389	ug/l	98
3) Chloromethane	2.068	50	69229	18.110	ug/l	98
4) Vinyl Chloride	2.202	62	79314	18.347	ug/l	100
5) Bromomethane	2.586	94	58063	19.693	ug/l	99
6) Chloroethane	2.732	64	52067	18.406	ug/l	99
7) Trichlorofluoromethane	3.056	101	108844	19.655	ug/l	99
8) Diethyl Ether	3.452	74	29391	19.516	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	58802	20.132	ug/l	99
10) Methyl Iodide	4.000	142	57434	17.924	ug/l	99
11) Tert butyl alcohol	4.854	59	16186	87.691	ug/l	99
12) 1,1-Dichloroethene	3.787	96	54196	19.700	ug/l	91
13) Acrolein	3.647	56	25175	74.696	ug/l	100
14) Allyl chloride	4.378	41	82560	18.822	ug/l	98
15) Acrylonitrile	5.055	53	58322	92.750	ug/l	99
16) Acetone	3.866	43	54827	94.269	ug/l	93
17) Carbon Disulfide	4.104	76	168907	18.640	ug/l	97
18) Methyl Acetate	4.385	43	26825	18.610	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	130257	19.017	ug/l	98
20) Methylene Chloride	4.610	84	61724	19.315	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	60292	19.905	ug/l	98
22) Diisopropyl ether	6.018	45	178430	19.391	ug/l	98
23) Vinyl Acetate	5.957	43	500924	93.058	ug/l	97
24) 1,1-Dichloroethane	5.915	63	107840	19.600	ug/l	99
25) 2-Butanone	6.890	43	77870	93.740	ug/l	100
26) 2,2-Dichloropropane	6.884	77	94979	19.406	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	66817	19.615	ug/l	98
28) Bromochloromethane	7.244	49	44742	19.282	ug/l	99
29) Tetrahydrofuran	7.256	42	47928	89.647	ug/l	96
30) Chloroform	7.415	83	111174	19.427	ug/l	92
31) Cyclohexane	7.695	56	94288	18.799	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	102527	19.822	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79309	19.693	ug/l	98
37) Ethyl Acetate	6.982	43	36034	18.959	ug/l	99
38) Carbon Tetrachloride	7.811	117	93478	20.266	ug/l	96
39) Methylcyclohexane	9.109	83	94387	19.619	ug/l	97
40) Benzene	8.079	78	240138	19.911	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	18293m	18.123	ug/l		
42) 1,2-Dichloroethane	8.158	62	66624	19.595	ug/l		100
43) Isopropyl Acetate	8.195	43	69114	19.189	ug/l	#	86
44) Trichloroethene	8.865	130	63043	20.516	ug/l		95
45) 1,2-Dichloropropane	9.140	63	57479	20.134	ug/l		99
46) Dibromomethane	9.225	93	32300	19.632	ug/l		97
47) Bromodichloromethane	9.420	83	84013	19.707	ug/l		99
48) Methyl methacrylate	9.219	41	30905	18.696	ug/l		100
49) 1,4-Dioxane	9.231	88	7023	398.466	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	177237	94.559	ug/l		99
52) Toluene	10.170	92	150299	19.974	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	73353	19.371	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	87090	19.495	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	42257	19.958	ug/l		98
56) Ethyl methacrylate	10.438	69	50856	18.811	ug/l		98
57) 1,3-Dichloropropane	10.719	76	71498	19.553	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	130109	98.652	ug/l		100
59) 2-Hexanone	10.761	43	118439	94.881	ug/l		100
60) Dibromochloromethane	10.914	129	57761	19.981	ug/l		99
61) 1,2-Dibromoethane	11.011	107	39631	19.954	ug/l		98
64) Tetrachloroethene	10.646	164	67787	20.770	ug/l		96
65) Chlorobenzene	11.444	112	163162	19.863	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	57780	19.825	ug/l		99
67) Ethyl Benzene	11.517	91	279312	19.829	ug/l		100
68) m/p-Xylenes	11.627	106	213197	39.525	ug/l		99
69) o-Xylene	11.956	106	99393	19.962	ug/l		99
70) Styrene	11.969	104	164968	19.872	ug/l		99
71) Bromoform	12.133	173	34082	20.501	ug/l	#	99
73) Isopropylbenzene	12.255	105	263449	19.814	ug/l		100
74) N-amyl acetate	12.072	43	56258	18.029	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	44993	18.822	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	35449m	19.977	ug/l		
77) Bromobenzene	12.529	156	63312	19.832	ug/l		99
78) n-propylbenzene	12.597	91	318964	19.954	ug/l		98
79) 2-Chlorotoluene	12.682	91	185554	19.986	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	217918	20.054	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	14203	18.443	ug/l		97
82) 4-Chlorotoluene	12.779	91	193577	19.999	ug/l		99
83) tert-Butylbenzene	12.999	119	192081	19.845	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	216682	20.175	ug/l		99
85) sec-Butylbenzene	13.176	105	282492	19.971	ug/l		100
86) p-Isopropyltoluene	13.291	119	232750	19.909	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	124312	19.765	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	122507	19.714	ug/l		98
89) n-Butylbenzene	13.615	91	210873	19.504	ug/l		100
90) Hexachloroethane	13.877	117	49366	19.269	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	107999	19.725	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7455	20.121	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	57035	19.209	ug/l		99
94) Hexachlorobutadiene	15.023	225	37553	20.252	ug/l		97
95) Naphthalene	15.145	128	90494	18.388	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	48126	19.008	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

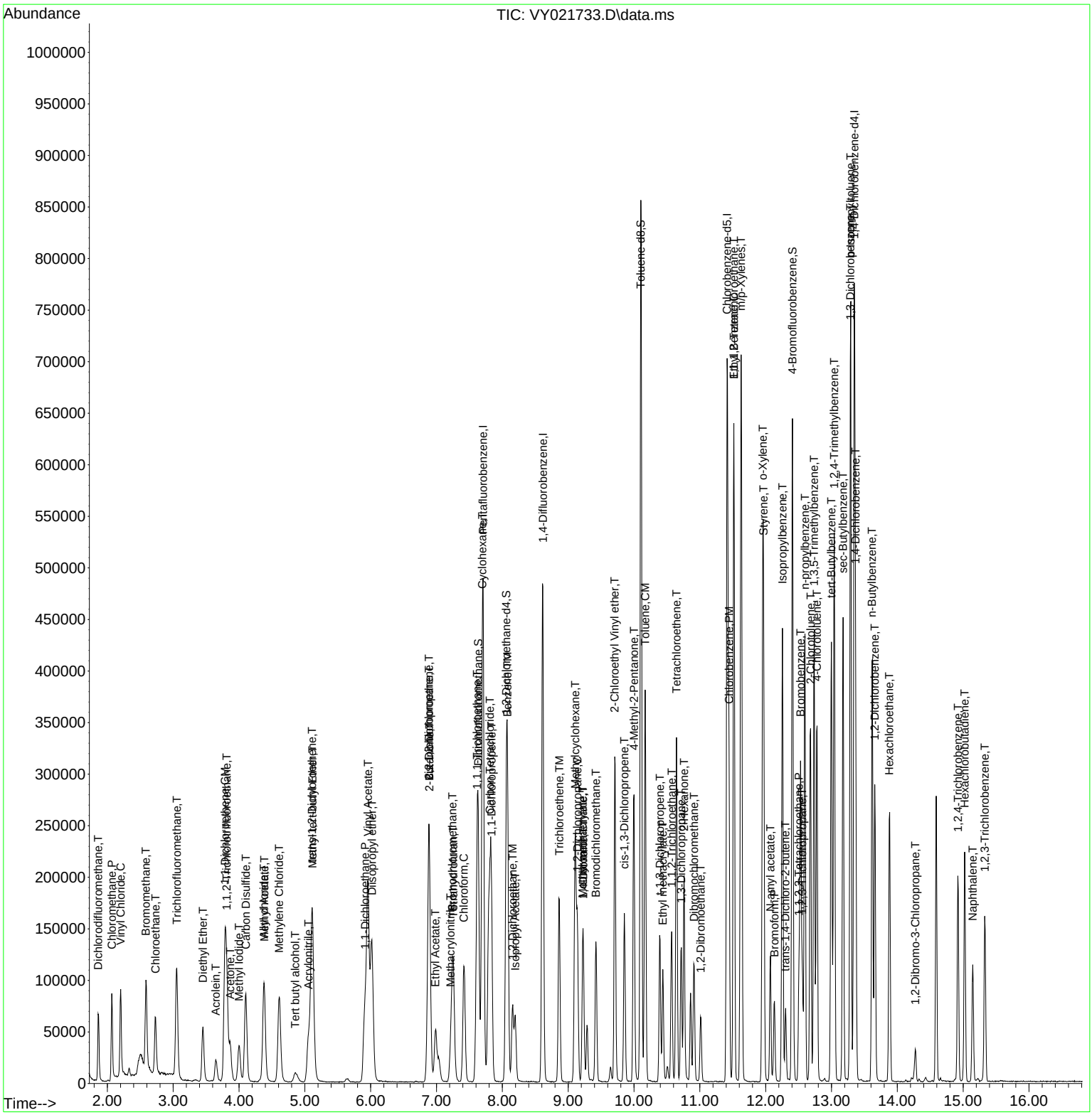
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	214172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	331290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125981	54.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.580%			
35) Dibromofluoromethane	7.634	113	121317	56.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.900%			
50) Toluene-d8	10.109	98	462747	56.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.200%			
62) 4-Bromofluorobenzene	12.407	95	151475	54.776	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	43626	19.653	ug/l	98
3) Chloromethane	2.068	50	60316	19.323	ug/l	98
4) Vinyl Chloride	2.202	62	67633	19.159	ug/l	95
5) Bromomethane	2.586	94	49205	20.437	ug/l	95
6) Chloroethane	2.732	64	44019	19.057	ug/l	95
7) Trichlorofluoromethane	3.056	101	88007	19.462	ug/l	99
8) Diethyl Ether	3.452	74	22584	18.365	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	47657	19.982	ug/l	97
10) Methyl Iodide	4.000	142	48259	18.444	ug/l	100
11) Tert butyl alcohol	4.860	59	12945	85.887	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	43832	19.512	ug/l	97
13) Acrolein	3.653	56	20950	76.124	ug/l	100
14) Allyl chloride	4.385	41	68559	19.141	ug/l	99
15) Acrylonitrile	5.055	53	47958	93.401	ug/l	100
16) Acetone	3.866	43	41350	87.069	ug/l	98
17) Carbon Disulfide	4.104	76	138743	18.751	ug/l	99
18) Methyl Acetate	4.385	43	21339	18.130	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105013	18.776	ug/l	98
20) Methylene Chloride	4.616	84	52448	20.269	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	47808	19.329	ug/l	98
22) Diisopropyl ether	6.018	45	148556	19.772	ug/l	99
23) Vinyl Acetate	5.957	43	413157	93.995	ug/l	100
24) 1,1-Dichloroethane	5.915	63	89165	19.846	ug/l	99
25) 2-Butanone	6.896	43	60244	88.813	ug/l	99
26) 2,2-Dichloropropane	6.884	77	79081	19.788	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55430	19.928	ug/l	98
28) Bromochloromethane	7.238	49	37974	20.041	ug/l	99
29) Tetrahydrofuran	7.262	42	38304	87.740	ug/l	98
30) Chloroform	7.421	83	93099	19.923	ug/l	100
31) Cyclohexane	7.695	56	78108	19.072	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82975	19.646	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65580	20.035	ug/l	99
37) Ethyl Acetate	6.982	43	27891	18.055	ug/l	98
38) Carbon Tetrachloride	7.817	117	74942	19.990	ug/l	99
39) Methylcyclohexane	9.109	83	76173	19.480	ug/l	98
40) Benzene	8.079	78	195801	19.974	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	14249	17.368	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	55480	20.076	ug/l		99
43) Isopropyl Acetate	8.195	43	54406	18.584	ug/l		99
44) Trichloroethene	8.865	130	50660	20.283	ug/l		95
45) 1,2-Dichloropropane	9.140	63	46503	20.041	ug/l		95
46) Dibromomethane	9.231	93	26540	19.846	ug/l		97
47) Bromodichloromethane	9.420	83	69415	20.032	ug/l		99
48) Methyl methacrylate	9.219	41	24181	17.997	ug/l		98
49) 1,4-Dioxane	9.231	88	5551	387.486	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	141241	92.710	ug/l		99
52) Toluene	10.170	92	125988	20.600	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58898	19.136	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	71708	19.749	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	34693	20.160	ug/l		97
56) Ethyl methacrylate	10.438	69	40781	18.559	ug/l		99
57) 1,3-Dichloropropane	10.719	76	58702	19.751	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	103179	96.251	ug/l		100
59) 2-Hexanone	10.761	43	89744	88.452	ug/l		98
60) Dibromochloromethane	10.908	129	46463	19.775	ug/l		98
61) 1,2-Dibromoethane	11.018	107	32020	19.835	ug/l		99
64) Tetrachloroethene	10.646	164	54754	20.648	ug/l		97
65) Chlorobenzene	11.438	112	133977	20.074	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	48015	20.276	ug/l		100
67) Ethyl Benzene	11.517	91	229825	20.081	ug/l		99
68) m/p-Xylenes	11.627	106	175372	40.016	ug/l		100
69) o-Xylene	11.956	106	79832	19.734	ug/l		98
70) Styrene	11.969	104	134656	19.963	ug/l		99
71) Bromoform	12.133	173	26804	19.844	ug/l	#	100
73) Isopropylbenzene	12.255	105	213911	19.199	ug/l		100
74) N-amyl acetate	12.072	43	45399	17.361	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36917	18.429	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	28085m	18.887	ug/l		
77) Bromobenzene	12.529	156	53109	19.852	ug/l		96
78) n-propylbenzene	12.596	91	262582	19.602	ug/l		100
79) 2-Chlorotoluene	12.682	91	154163	19.815	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	180420	19.813	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11833	18.336	ug/l		98
82) 4-Chlorotoluene	12.779	91	158827	19.581	ug/l		99
83) tert-Butylbenzene	12.999	119	156181	19.256	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	176963	19.662	ug/l		98
85) sec-Butylbenzene	13.176	105	231582	19.537	ug/l		100
86) p-Isopropyltoluene	13.291	119	192703	19.670	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	105477	20.012	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	101406	19.473	ug/l		97
89) n-Butylbenzene	13.621	91	174870	19.301	ug/l		99
90) Hexachloroethane	13.883	117	41057	19.124	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	90863	19.804	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5726	18.442	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	46190	18.564	ug/l		97
94) Hexachlorobutadiene	15.023	225	31077	19.999	ug/l		98
95) Naphthalene	15.145	128	71488	17.334	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	40094	18.897	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

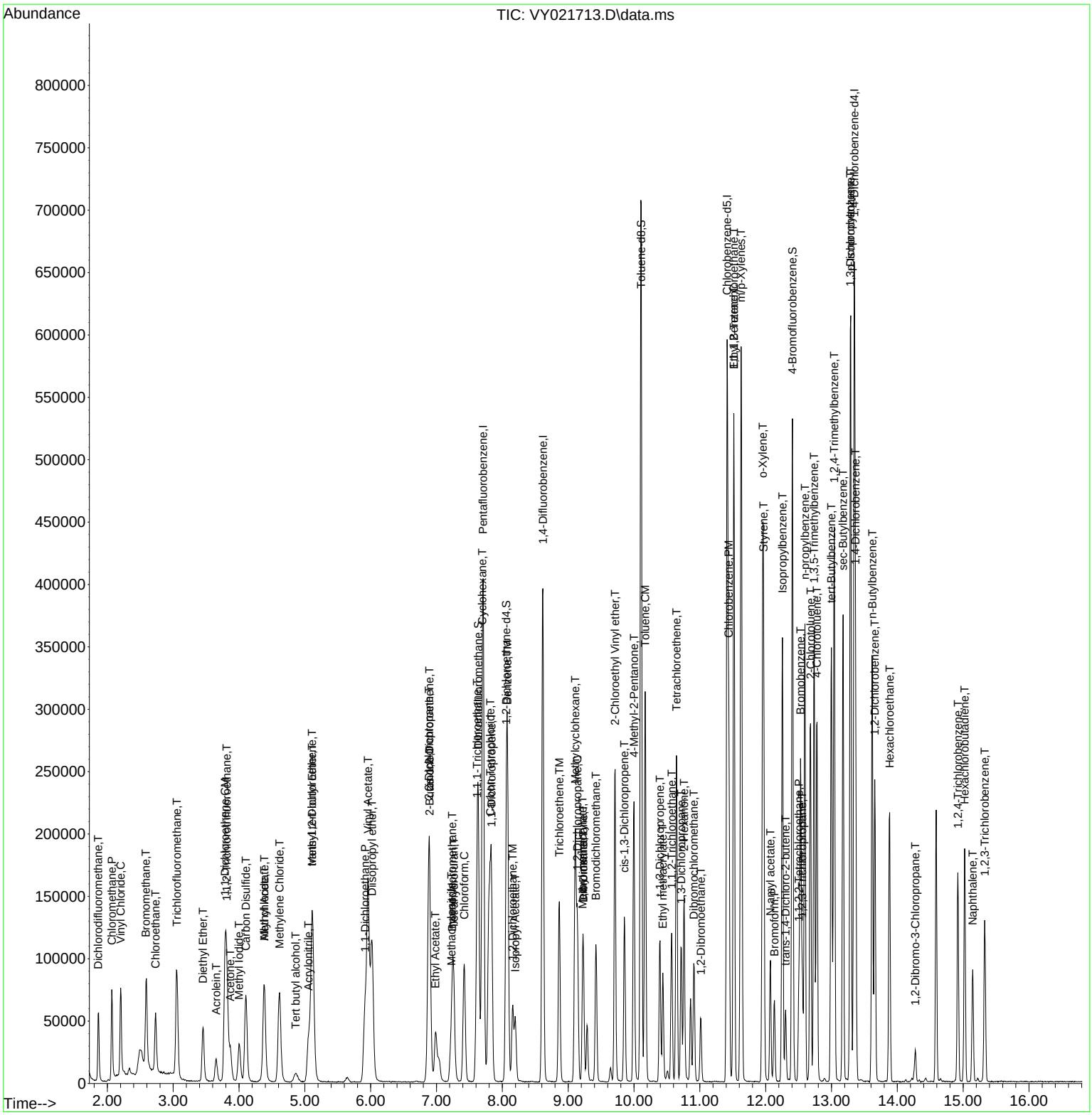
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



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

Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY033125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021710.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:49 PM	MMDadoda	4/1/2025 1:18:46 PM	Peak Integrated by Software
VY0331SBS01	VY021712.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:51 PM	MMDadoda	4/1/2025 1:18:47 PM	Peak Integrated by Software
VY0331SBS01	VY021712.D	Methacrylonitrile	Amit	4/1/2025 1:17:51 PM	MMDadoda	4/1/2025 1:18:47 PM	Peak Integrated by Software
VY0331SBSD01	VY021713.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:53 PM	MMDadoda	4/1/2025 1:18:49 PM	Peak Integrated by Software
VSTDCCC050	VY021729.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:54 PM	MMDadoda	4/1/2025 1:18:51 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy040125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021731.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:07 PM	MMDadoda	4/2/2025 2:15:01 PM	Peak Integrated by Software
VY0401SBS01	VY021733.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:08 PM	MMDadoda	4/2/2025 2:15:03 PM	Peak Integrated by Software
VY0401SBS01	VY021733.D	Methacrylonitrile	Amit	4/2/2025 2:13:08 PM	MMDadoda	4/2/2025 2:15:03 PM	Peak Integrated by Software
VSTDCCC050	VY021746.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:14 PM	MMDadoda	4/2/2025 2:15:09 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133540
Initial Calibration Stds	
CCC	VP133538,VP133539
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021709.D	31 Mar 2025 09:37	SY/MD	Ok
2	VSTDCCC050	VY021710.D	31 Mar 2025 10:08	SY/MD	Ok,M
3	VY0331SBL01	VY021711.D	31 Mar 2025 11:04	SY/MD	Ok
4	VY0331SBS01	VY021712.D	31 Mar 2025 11:43	SY/MD	Ok,M
5	VY0331SBSD01	VY021713.D	31 Mar 2025 12:06	SY/MD	Ok,M
6	Q1657-01RE	VY021714.D	31 Mar 2025 13:04	SY/MD	Confirms
7	Q1679-03	VY021715.D	31 Mar 2025 13:27	SY/MD	Ok
8	Q1679-07	VY021716.D	31 Mar 2025 13:51	SY/MD	Ok
9	Q1671-03	VY021717.D	31 Mar 2025 14:14	SY/MD	Ok
10	Q1675-01	VY021718.D	31 Mar 2025 14:38	SY/MD	Ok
11	Q1675-05	VY021719.D	31 Mar 2025 15:01	SY/MD	Ok
12	Q1675-06	VY021720.D	31 Mar 2025 15:25	SY/MD	Ok
13	Q1675-07	VY021721.D	31 Mar 2025 15:48	SY/MD	Ok
14	Q1675-08	VY021722.D	31 Mar 2025 16:11	SY/MD	Ok
15	Q1675-09	VY021723.D	31 Mar 2025 16:35	SY/MD	ReRun
16	Q1675-10	VY021724.D	31 Mar 2025 16:58	SY/MD	Ok
17	Q1675-11	VY021725.D	31 Mar 2025 17:22	SY/MD	Ok
18	Q1672-03	VY021726.D	31 Mar 2025 17:45	SY/MD	Ok
19	Q1674-01	VY021727.D	31 Mar 2025 18:08	SY/MD	Ok
20	Q1674-03	VY021728.D	31 Mar 2025 18:32	SY/MD	Ok
21	VSTDCCC050	VY021729.D	31 Mar 2025 18:55	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040125

Review By	Amit Patel	Review On	4/2/2025 2:13:19 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/2/2025 2:15:14 PM		
SubDirectory	VY040125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133555
Initial Calibration Stds	
CCC	VP133556,VP133557
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021730.D	01 Apr 2025 09:35	SY/MD	Ok
2	VSTDCCC050	VY021731.D	01 Apr 2025 10:13	SY/MD	Ok,M
3	VY0401SBL01	VY021732.D	01 Apr 2025 10:52	SY/MD	Ok
4	VY0401SBS01	VY021733.D	01 Apr 2025 11:30	SY/MD	Ok,M
5	VY0401SBSD01	VY021734.D	01 Apr 2025 11:52	SY/MD	Ok,M
6	Q1681-03	VY021735.D	01 Apr 2025 12:36	SY/MD	Ok
7	Q1680-03	VY021736.D	01 Apr 2025 12:59	SY/MD	Ok
8	Q1675-09	VY021737.D	01 Apr 2025 13:22	SY/MD	Ok
9	Q1675-12	VY021738.D	01 Apr 2025 13:46	SY/MD	Ok
10	IBLK	VY021739.D	01 Apr 2025 14:19	SY/MD	Ok
11	Q1664-02MS	VY021740.D	01 Apr 2025 14:42	SY/MD	Ok,M
12	Q1664-03MSD	VY021741.D	01 Apr 2025 15:05	SY/MD	Ok,M
13	IBLK	VY021742.D	01 Apr 2025 15:28	SY/MD	Ok
14	Q1687-01	VY021743.D	01 Apr 2025 15:52	SY/MD	Not Ok
15	Q1688-01	VY021744.D	01 Apr 2025 16:15	SY/MD	Not Ok
16	Q1692-01	VY021745.D	01 Apr 2025 16:38	SY/MD	ReRun
17	VSTDCCC050	VY021746.D	01 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133540
Initial Calibration Stds	
CCC	VP133538,VP133539
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021709.D	31 Mar 2025 09:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021710.D	31 Mar 2025 10:08		SY/MD	Ok,M
3	VY0331SBL01	VY0331SBL01	VY021711.D	31 Mar 2025 11:04		SY/MD	Ok
4	VY0331SBS01	VY0331SBS01	VY021712.D	31 Mar 2025 11:43		SY/MD	Ok,M
5	VY0331SBSD01	VY0331SBSD01	VY021713.D	31 Mar 2025 12:06		SY/MD	Ok,M
6	Q1657-01RE	72-11998RE	VY021714.D	31 Mar 2025 13:04	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1679-03	TP-10-VOC	VY021715.D	31 Mar 2025 13:27	vial-A	SY/MD	Ok
8	Q1679-07	TP-9-VOC	VY021716.D	31 Mar 2025 13:51	vial-A	SY/MD	Ok
9	Q1671-03	WC-1-VOC	VY021717.D	31 Mar 2025 14:14	vial-A	SY/MD	Ok
10	Q1675-01	P1	VY021718.D	31 Mar 2025 14:38	vial-A	SY/MD	Ok
11	Q1675-05	P5	VY021719.D	31 Mar 2025 15:01	vial-A	SY/MD	Ok
12	Q1675-06	P6	VY021720.D	31 Mar 2025 15:25	vial-A	SY/MD	Ok
13	Q1675-07	T1	VY021721.D	31 Mar 2025 15:48	vial-A	SY/MD	Ok
14	Q1675-08	T2	VY021722.D	31 Mar 2025 16:11	vial-A	SY/MD	Ok
15	Q1675-09	T3	VY021723.D	31 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1675-10	T4	VY021724.D	31 Mar 2025 16:58	vial-A	SY/MD	Ok
17	Q1675-11	T5	VY021725.D	31 Mar 2025 17:22	vial-A	SY/MD	Ok
18	Q1672-03	TP-8-VOC	VY021726.D	31 Mar 2025 17:45		SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133540
Initial Calibration Stds	
CCC	VP133538,VP133539
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1674-01	RT5358	VY021727.D	31 Mar 2025 18:08		SY/MD	Ok
20	Q1674-03	72-11991	VY021728.D	31 Mar 2025 18:32		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY021729.D	31 Mar 2025 18:55		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040125

Review By	Amit Patel	Review On	4/2/2025 2:13:19 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/2/2025 2:15:14 PM		
SubDirectory	VY040125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133555
Initial Calibration Stds	
CCC	VP133556,VP133557
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021730.D	01 Apr 2025 09:35		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021731.D	01 Apr 2025 10:13		SY/MD	Ok,M
3	VY0401SBL01	VY0401SBL01	VY021732.D	01 Apr 2025 10:52		SY/MD	Ok
4	VY0401SBS01	VY0401SBS01	VY021733.D	01 Apr 2025 11:30		SY/MD	Ok,M
5	VY0401SBSD01	VY0401SBSD01	VY021734.D	01 Apr 2025 11:52		SY/MD	Ok,M
6	Q1681-03	TP-12-VOC	VY021735.D	01 Apr 2025 12:36	vial-A	SY/MD	Ok
7	Q1680-03	TP-4-VOC	VY021736.D	01 Apr 2025 12:59	vial-A	SY/MD	Ok
8	Q1675-09	T3	VY021737.D	01 Apr 2025 13:22	vial-B	SY/MD	Ok
9	Q1675-12	T6	VY021738.D	01 Apr 2025 13:46	vial-A	SY/MD	Ok
10	IBLK	IBLK	VY021739.D	01 Apr 2025 14:19		SY/MD	Ok
11	Q1664-02MS	P001-BBDGA-001-01M	VY021740.D	01 Apr 2025 14:42	vial-B Internal Standard Fail	SY/MD	Ok,M
12	Q1664-03MSD	P001-BBDGA-001-01M	VY021741.D	01 Apr 2025 15:05	vial-B	SY/MD	Ok,M
13	IBLK	IBLK	VY021742.D	01 Apr 2025 15:28		SY/MD	Ok
14	Q1687-01	72-12016	VY021743.D	01 Apr 2025 15:52	Not purged	SY/MD	Not Ok
15	Q1688-01	OR-02-040125	VY021744.D	01 Apr 2025 16:15	vial-A Not purge	SY/MD	Not Ok
16	Q1692-01	NB-08-04012025	VY021745.D	01 Apr 2025 16:38	vial-A Internal Standard Fail	SY/MD	ReRun
17	VSTDCCC050	VSTDCCC050EC	VY021746.D	01 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-01	**P1**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-05	**P5**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-06	**P6**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-07	**T1**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-08	**T2**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-09	**T3**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			04/01/25	
Q1675-10	**T4**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-11	**T5**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-12	**T6**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			04/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : K1P									
Q1675-18	K1P	SOIL	Methyl stearate	*	370.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	n-Hexadecanoic acid	*	11,800.000	JB	0	0	ug/Kg
Q1675-18	K1P	SOIL	Octadecanoic acid	*	12,900.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Oleic Acid	*	410.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Pentadecanoic acid, 14-methyl-, n	*	140.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	1-Tetracosene	*	250.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	160.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Benzophenone	*	530.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Bis(2-ethylhexyl)phthalate	*	490.000	J	69.6	200	ug/Kg
			Total Tics :		**27,050.00**				
			Total Concentration:		**27,050.00**				
Client ID : K1									
Q1675-19	K1	SOIL	10-Heneicosene (c,t)	*	95.900	J	0	0	ug/Kg
Q1675-19	K1	SOIL	1-Heneicosyl formate	*	190.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Benzophenone	*	480.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Decahydro-1,1,4a,5,6-pentamethy	*	120.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Hexadecane, 2,6,10,14-tetramethy	*	120.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Methanone, (1-hydroxycyclohexy	*	76.300	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Methyl stearate	*	160.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	n-Hexadecanoic acid	*	4,200.000	JB	0	0	ug/Kg
Q1675-19	K1	SOIL	Nonadecane	*	87.100	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Octadecanoic acid	*	5,500.000	J	0	0	ug/Kg
			Total Tics :		**11,029.30**				
			Total Concentration:		**11,029.30**				
Client ID : K2									
Q1675-20	K2	SOIL	n-Nonadecanol-1	*	160.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Octadecanoic acid	*	13,000.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Oleic Acid	*	300.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Palmitic Acid, TMS derivative	*	210.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	340.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Benzophenone	*	450.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Hexadecanoic acid, methyl ester	*	220.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Methyl stearate	*	550.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	n-Hexadecanoic acid	*	11,000.000	JB	0	0	ug/Kg
Q1675-20	K2	SOIL	Bis(2-ethylhexyl)phthalate	*	95.600	J	61.8	180	ug/Kg
			Total Tics :		**26,325.60**				

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**26,325.60**				
Client ID : K3									
Q1675-21	K3	SOIL	.gamma.-Sitosterol	*	4,000.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	2-Methyltetracosane	*	350.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	4,400.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Dodecanoic acid	*	1,300.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Dotriacontane, 1-iodo-	*	6,800.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Heneicosane	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Heptadecane, 9-octyl-	*	3,800.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexacosane	*	190.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexadecanamide	*	2,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexadecanoic acid, methyl ester	*	2,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Methyl stearate	*	4,300.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	n-Hexadecanoic acid	*	57,100.000	JB	0	0	ug/Kg
Q1675-21	K3	SOIL	Octadecane	*	6,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Octadecanoic acid	*	35,700.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Oxirane, tetradecyl-	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Palmitic Acid, TMS derivative	*	3,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Pentadecanoic acid	*	2,700.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetracosanal	*	840.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetracosane	*	540.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetradecanoic acid	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Diethylphthalate	*	370.000	J	29.5	180	ug/Kg
Q1675-21	K3	SOIL	Bis(2-ethylhexyl)phthalate	*	110.000	J	61.6	180	ug/Kg
			Total Tics :		**138,610.00**				
			Total Concentration:		**138,610.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	03/28/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	K1P	SDG No.:	Q1675
Lab Sample ID:	Q1675-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049838.D	1	04/04/25 10:32	04/07/25 14:04	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.6		30 (20) - 130 (109)	55%	SPK: 100
1718-51-0	Terphenyl-d14	57.2		30 (10) - 130 (105)	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	360000	7.781			
1146-65-2	Naphthalene-d8	1260000	10.58			
15067-26-2	Acenaphthene-d10	812000	14.427			
1517-22-2	Phenanthrene-d10	1510000	17.168			
1719-03-5	Chrysene-d12	1440000	21.403			
1520-96-3	Perylene-d12	1640000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	530	J		15.8	ug/Kg
005129-60-2	Pentadecanoic acid, 14-methyl-, me	140	J		17.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	11800	JB		18.1	ug/Kg
000112-61-8	Methyl stearate	370	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	160	J		19.2	ug/Kg
000112-80-1	Oleic Acid	410	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	12900	J		19.4	ug/Kg
010192-32-2	1-Tetracosene	250	J		21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	490	J		21.3	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1P			SDG No.:	Q1675
Lab Sample ID:	Q1675-18			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	84.8
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049838.D	1	04/04/25 10:32	04/07/25 14:04	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/28/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	K1	SDG No.:	Q1675
Lab Sample ID:	Q1675-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049839.D	1	04/04/25 10:32	04/07/25 14:43	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.7	U	23.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.8	U	26.8	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	58.0		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.2		30 (20) - 130 (109)	58%	SPK: 100
1718-51-0	Terphenyl-d14	62.1		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	378000	7.781			
1146-65-2	Naphthalene-d8	1320000	10.581			
15067-26-2	Acenaphthene-d10	832000	14.427			
1517-22-2	Phenanthrene-d10	1560000	17.168			
1719-03-5	Chrysene-d12	1480000	21.403			
1520-96-3	Perylene-d12	1670000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J		13.2	ug/Kg
000119-61-9	Benzophenone	480	J		15.8	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	120	J		16.2	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	76.3	J		16.3	ug/Kg
000629-92-5	Nonadecane	87.1	J		17.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	4200	JB		18.1	ug/Kg
000112-61-8	Methyl stearate	160	J		19.2	ug/Kg
095008-11-0	10-Heneicosene (c,t)	95.9	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	5500	J		19.4	ug/Kg
077899-03-7	1-Heneicosyl formate	190	J		21.1	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1			SDG No.:	Q1675
Lab Sample ID:	Q1675-19			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.5
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049839.D	1	04/04/25 10:32	04/07/25 14:43	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/28/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	K2	SDG No.:	Q1675
Lab Sample ID:	Q1675-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049837.D	1	04/04/25 10:32	04/07/25 13:24	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.7	U	23.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.7	U	26.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	52.3		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		30 (20) - 130 (109)	52%	SPK: 100
1718-51-0	Terphenyl-d14	56.1		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	389000	7.786			
1146-65-2	Naphthalene-d8	1350000	10.58			
15067-26-2	Acenaphthene-d10	890000	14.427			
1517-22-2	Phenanthrene-d10	1740000	17.168			
1719-03-5	Chrysene-d12	1660000	21.403			
1520-96-3	Perylene-d12	1900000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	450	J		15.8	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	220	J		17.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	11000	JB		18.1	ug/Kg
055520-89-3	Palmitic Acid, TMS derivative	210	J		18.6	ug/Kg
000112-61-8	Methyl stearate	550	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	340	J		19.2	ug/Kg
000112-80-1	Oleic Acid	300	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	13000	J		19.4	ug/Kg
001454-84-8	n-Nonadecanol-1	160	J		21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	J		21.3	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K2			SDG No.:	Q1675
Lab Sample ID:	Q1675-20			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.7
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049837.D	1	04/04/25 10:32	04/07/25 13:24	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

Client:	G Environmental	Date Collected:	03/28/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	K3	SDG No.:	Q1675
Lab Sample ID:	Q1675-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049836.D	1	04/04/25 10:32	04/07/25 12:45	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.6	U	23.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.7	U	26.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.6		30 (18) - 130 (107)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (20) - 130 (109)	97%	SPK: 100
1718-51-0	Terphenyl-d14	88.9		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	364000	7.787			
1146-65-2	Naphthalene-d8	1270000	10.581			
15067-26-2	Acenaphthene-d10	789000	14.427			
1517-22-2	Phenanthrene-d10	1590000	17.168			
1719-03-5	Chrysene-d12	1820000	21.409			
1520-96-3	Perylene-d12	1860000	24.415			
TENTATIVE IDENTIFIED COMPOUNDS						
000143-07-7	Dodecanoic acid	1300	J		14.9	ug/Kg
84-66-2	Diethylphthalate	370	J		15.2	ug/Kg
000057-11-4	Octadecanoic acid	35700	J		15.5	ug/Kg
007320-37-8	Oxirane, tetradecyl-	770	J		17.1	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	2200	J		17.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	57100	JB		18.2	ug/Kg
057866-08-7	Tetracosanal	840	J		18.5	ug/Kg
055520-89-3	Palmitic Acid, TMS derivative	3200	J		18.6	ug/Kg
000629-54-9	Hexadecanamide	2200	J		18.7	ug/Kg
000544-63-8	Tetradecanoic acid	770	J		18.8	ug/Kg
000112-61-8	Methyl stearate	4300	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	4400	J		19.2	ug/Kg
001002-84-2	Pentadecanoic acid	2700	J		19.4	ug/Kg
000630-01-3	Hexacosane	190	J		20.4	ug/Kg
001560-78-7	2-Methyltetracosane	350	J		21.1	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K3			SDG No.:	Q1675
Lab Sample ID:	Q1675-21			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.9
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049836.D	1	04/04/25 10:32	04/07/25 12:45	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
117-81-7	Bis(2-ethylhexyl)phthalate	110	J		21.3	ug/Kg
000646-31-1	Tetracosane	540	J		21.8	ug/Kg
000629-94-7	Heneicosane	770	J		22.6	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	6800	J		23.6	ug/Kg
000593-45-3	Octadecane	6200	J		24.6	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	3800	J		25.9	ug/Kg
000083-47-6	.gamma.-Sitosterol	4000	J		28.5	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167457BL	PB167457BL	Nitrobenzene-d5	100	86.4	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.4	86		30 (20)	130 (109)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
PB167457BS	PB167457BS	Nitrobenzene-d5	100	89.7	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.6	92		30 (20)	130 (109)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
Q1675-18	K1P	Nitrobenzene-d5	100	57.5	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	54.6	55		30 (20)	130 (109)
		Terphenyl-d14	100	57.2	57		30 (10)	130 (105)
Q1675-19	K1	Nitrobenzene-d5	100	58.0	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.2	58		30 (20)	130 (109)
		Terphenyl-d14	100	62.1	62		30 (10)	130 (105)
Q1675-20	K2	Nitrobenzene-d5	100	52.3	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	51.8	52		30 (20)	130 (109)
		Terphenyl-d14	100	56.1	56		30 (10)	130 (105)
Q1675-21	K3	Nitrobenzene-d5	100	96.6	97		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.5	97		30 (20)	130 (109)
		Terphenyl-d14	100	88.9	89		30 (10)	130 (105)
Q1721-02MS	AU-05-040325MS	Nitrobenzene-d5	100	64.4	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.3	61		30 (20)	130 (109)
		Terphenyl-d14	100	57.9	58		30 (10)	130 (105)
Q1721-02MSD	AU-05-040325MSD	Nitrobenzene-d5	100	69.5	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	67.3	67		30 (20)	130 (109)
		Terphenyl-d14	100	61.8	62		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1721-02MS		**Client Sample ID: AU-05-040325MS**							**DataFile: BM049840.D**		
Naphthalene	1100	0	1200	ug/Kg	109				70 (72)	130 (110)	
2-Methylnaphthalene	1100	0	1100	ug/Kg	100				70 (59)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1721-02MSD		**Client Sample ID:** AU-05-040325MSD						**DataFile:** BM049841.D			
Naphthalene	1100	0	1300	ug/Kg	118		8		70 (72)	130 (110)	30 (20)
2-Methylnaphthalene	1100	0	1200	ug/Kg	109		9		70 (59)	130 (123)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: 8270E **DataFile:** BM049835.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167457BS	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167457BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049834.D Lab Sample ID: PB167457BL

Instrument ID: BNA_M Date Extracted: 04/04/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/07/2025

Level: (low/med) LOW Time Analyzed: 11:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167457BS	PB167457BS	BM049835.D	04/07/2025
K3	Q1675-21	BM049836.D	04/07/2025
K2	Q1675-20	BM049837.D	04/07/2025
K1P	Q1675-18	BM049838.D	04/07/2025
K1	Q1675-19	BM049839.D	04/07/2025
AU-05-040325MS	Q1721-02MS	BM049840.D	04/07/2025
AU-05-040325MSD	Q1721-02MSD	BM049841.D	04/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049705.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.2
442	Greater than 50% of mass 198	63.7
443	15.0 - 24.0% of mass 442	12.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM049706.D	03/13/2025	09:02
SSTDICC005	SSTDICC005	BM049707.D	03/13/2025	09:42
SSTDICC010	SSTDICC010	BM049708.D	03/13/2025	10:21
SSTDICC020	SSTDICC020	BM049709.D	03/13/2025	11:00
SSTDICCC040	SSTDICCC040	BM049710.D	03/13/2025	11:39
SSTDICC050	SSTDICC050	BM049711.D	03/13/2025	12:19
SSTDICC060	SSTDICC060	BM049712.D	03/13/2025	12:58
SSTDICC080	SSTDICC080	BM049713.D	03/13/2025	13:37

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049832.D DFTPP Injection Date: 04/07/2025

Instrument ID: BNA_M DFTPP Injection Time: 10:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	37
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.9
442	Greater than 50% of mass 198	69.3
443	15.0 - 24.0% of mass 442	13.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM049833.D	04/07/2025	10:43
PB167457BL	PB167457BL	BM049834.D	04/07/2025	11:23
PB167457BS	PB167457BS	BM049835.D	04/07/2025	12:02
K3	Q1675-21	BM049836.D	04/07/2025	12:45
K2	Q1675-20	BM049837.D	04/07/2025	13:24
K1P	Q1675-18	BM049838.D	04/07/2025	14:04
K1	Q1675-19	BM049839.D	04/07/2025	14:43
AU-05-040325MS	Q1721-02MS	BM049840.D	04/07/2025	15:22
AU-05-040325MSD	Q1721-02MSD	BM049841.D	04/07/2025	16:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/07/2025

Lab File ID: BM049833.D Time Analyzed: 10:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	332328	7.787	1151320	10.58	736916	14.43
	UPPER LIMIT	664656	8.287	2302640	11.081	1473830	14.927
	LOWER LIMIT	166164	7.287	575660	10.081	368458	13.927
	EPA SAMPLE NO.						
01	PB167457BL	317785	7.79	1088350	10.58	684928	14.43
02	PB167457BS	302641	7.79	1057940	10.58	655262	14.43
03	K2	388663	7.79	1349630	10.58	890473	14.43
04	K3	363599	7.79	1272900	10.58	788938	14.43
05	K1P	359832	7.78	1263450	10.58	811796	14.43
06	K1	377673	7.78	1316950	10.58	831557	14.43
07	AU-05-040325MS	392804	7.79	1404250	10.58	888245	14.43
08	AU-05-040325MSD	368877	7.79	1283320	10.58	802650	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/07/2025

Lab File ID: BM049833.D Time Analyzed: 10:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1449930	17.168	1423470	21.409	1559770	24.415
	UPPER LIMIT	2899860	17.668	2846940	21.909	3119540	24.915
	LOWER LIMIT	724965	16.668	711735	20.909	779885	23.915
	EPA SAMPLE NO.						
01	PB167457BL	1337160	17.17	1275920	21.40	1458540	24.41
02	PB167457BS	1274580	17.17	1227510	21.41	1340440	24.41
03	K2	1740090	17.17	1657120	21.40	1901760	24.41
04	K3	1589870	17.17	1823030	21.41	1861600	24.42
05	K1P	1511490	17.17	1443650	21.40	1643720	24.41
06	K1	1563940	17.17	1483520	21.40	1673410	24.41
07	AU-05-040325MS	1716280	17.17	1693340	21.41	1886440	24.41
08	AU-05-040325MSD	1533780	17.17	1544490	21.41	1732650	24.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167457BL			SDG No.:	Q1675
Lab Sample ID:	PB167457BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049834.D	1	04/04/25 10:32	04/07/25 11:23	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	86.4		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.4		30 (20) - 130 (109)	86%	SPK: 100
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	318000	7.787			
1146-65-2	Naphthalene-d8	1090000	10.58			
15067-26-2	Acenaphthene-d10	685000	14.427			
1517-22-2	Phenanthrene-d10	1340000	17.168			
1719-03-5	Chrysene-d12	1280000	21.403			
1520-96-3	Perylene-d12	1460000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	A		4.90	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		18.1	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167457BS			SDG No.:	Q1675
Lab Sample ID:	PB167457BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049835.D	1	04/04/25 10:32	04/07/25 12:02	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	89.7		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.6		30 (20) - 130 (109)	92%	SPK: 100
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	303000	7.787			
1146-65-2	Naphthalene-d8	1060000	10.58			
15067-26-2	Acenaphthene-d10	655000	14.427			
1517-22-2	Phenanthrene-d10	1270000	17.168			
1719-03-5	Chrysene-d12	1230000	21.409			
1520-96-3	Perylene-d12	1340000	24.409			

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/03/25
Client Sample ID:	AU-05-040325MS	SDG No.:	Q1675
Lab Sample ID:	Q1721-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049840.D	2	04/04/25 10:32	04/07/25 15:22	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1200		31.3	230	ug/Kg
91-57-6	2-Methylnaphthalene	1100		35.2	230	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	64.4		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.3		30 (20) - 130 (109)	61%	SPK: 100
1718-51-0	Terphenyl-d14	57.9		30 (10) - 130 (105)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	393000	7.787			
1146-65-2	Naphthalene-d8	1400000	10.581			
15067-26-2	Acenaphthene-d10	888000	14.427			
1517-22-2	Phenanthrene-d10	1720000	17.168			
1719-03-5	Chrysene-d12	1690000	21.409			
1520-96-3	Perylene-d12	1890000	24.409			

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/03/25
Client Sample ID:	AU-05-040325MSD	SDG No.:	Q1675
Lab Sample ID:	Q1721-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049841.D	2	04/04/25 10:32	04/07/25 16:02	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1300		31.2	230	ug/Kg
91-57-6	2-Methylnaphthalene	1200		35.2	230	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	69.5		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.3		30 (20) - 130 (109)	67%	SPK: 100
1718-51-0	Terphenyl-d14	61.8		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	369000	7.787			
1146-65-2	Naphthalene-d8	1280000	10.581			
15067-26-2	Acenaphthene-d10	803000	14.428			
1517-22-2	Phenanthrene-d10	1530000	17.169			
1719-03-5	Chrysene-d12	1540000	21.41			
1520-96-3	Perylene-d12	1730000	24.415			

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049706.D 5 =BM049707.D 10 =BM049708.D 20 =BM049709.D 40 =BM049710.D 50 =BM049711.D 60 =BM049712.D 80 =BM0497
13.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.503	0.485	0.525	0.497	0.512	0.528	0.541	0.513	3.81
3)		Pyridine		1.250	1.282	1.329	1.299	1.307	1.352	1.353	1.310	2.88
4)		n-Nitrosodimet...		0.546	0.572	0.600	0.565	0.584	0.600	0.592	0.580	3.48
5)	S	2-Fluorophenol		1.027	1.092	1.201	1.176	1.239	1.275	1.288	1.185	8.14
6)		Aniline		1.219	1.276	1.306	1.221	1.246	1.246	1.209	1.246	2.78
7)	S	Phenol-d6		1.325	1.383	1.498	1.470	1.553	1.580	1.603	1.487	6.93
8)		2-Chlorophenol		1.091	1.111	1.193	1.148	1.209	1.226	1.237	1.174	4.89
9)		Benzaldehyde			0.864	0.830	0.683	0.685	0.615		0.735	14.48
10)	C	Phenol		1.356	1.372	1.463	1.400	1.478	1.509	1.518	1.442	4.56
11)		bis(2-Chloroet...		1.132	1.141	1.189	1.122	1.178	1.201	1.212	1.168	3.06
12)		1,3-Dichlorobe...		1.376	1.380	1.438	1.367	1.462	1.471	1.491	1.426	3.60
13)	C	1,4-Dichlorobe...		1.384	1.386	1.470	1.390	1.460	1.483	1.501	1.439	3.52
14)		1,2-Dichlorobe...		1.307	1.325	1.405	1.330	1.397	1.398	1.412	1.368	3.27
15)		Benzyl Alcohol		0.818	0.862	0.932	0.929	0.977	0.996	1.019	0.933	7.78
16)		2,2'-oxybis(1-...		1.386	1.374	1.425	1.323	1.367	1.364	1.368	1.373	2.21
17)		2-Methylphenol		0.769	0.805	0.876	0.847	0.890	0.899	0.909	0.856	6.09
18)		Hexachloroethane		0.481	0.488	0.512	0.499	0.522	0.521	0.535	0.508	3.87
19)	P	n-Nitroso-di-n...	0.766	0.820	0.815	0.892	0.867	0.901	0.914	0.925	0.863	6.54
20)		3+4-Methylphenols		1.022	1.077	1.168	1.139	1.183	1.211	1.234	1.148	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.483	0.516	0.506	0.527	0.548	0.549	0.516	5.43
23)	S	Nitrobenzene-d5		0.343	0.361	0.392	0.385	0.403	0.420	0.422	0.390	7.57
24)		Nitrobenzene		0.340	0.341	0.375	0.360	0.375	0.389	0.392	0.367	5.79
25)		Isophorone		0.531	0.533	0.599	0.590	0.619	0.647	0.668	0.598	8.78
26)	C	2-Nitrophenol		0.115	0.129	0.153	0.158	0.171	0.181	0.188	0.156	17.03
27)		2,4-Dimethylph...		0.169	0.179	0.199	0.197	0.209	0.218	0.223	0.199	9.96
28)		bis(2-Chloroet...		0.399	0.389	0.430	0.407	0.431	0.440	0.453	0.421	5.57
29)	C	2,4-Dichloroph...		0.272	0.289	0.328	0.323	0.342	0.353	0.364	0.324	10.32
30)		1,2,4-Trichlor...		0.376	0.376	0.416	0.391	0.414	0.428	0.439	0.406	6.13
31)		Naphthalene		0.947	0.952	1.029	0.998	1.059	1.097	1.117	1.028	6.50
32)		Benzoic acid			0.122	0.144	0.164	0.179	0.199	0.208	0.169	19.39
33)		4-Chloroaniline		0.315	0.329	0.359	0.350	0.357	0.371	0.377	0.351	6.34
34)	C	Hexachlorobuta...		0.224	0.229	0.254	0.243	0.261	0.267	0.276	0.250	7.76
35)		Caprolactam		0.058	0.061	0.073	0.078	0.079	0.087	0.090	0.075	16.14
36)	C	4-Chloro-3-met...		0.233	0.240	0.273	0.281	0.289	0.310	0.323	0.278	12.01
37)		2-Methylnaphth...		0.663	0.656	0.713	0.704	0.735	0.768	0.794	0.719	7.10
38)		1-Methylnaphth...		0.639	0.640	0.684	0.675	0.711	0.741	0.765	0.694	6.96

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.633	0.653	0.724	0.720	0.781	0.799	0.833	0.735	10.17
41)	P	Hexachlorocycl...	0.223	0.232	0.266	0.275	0.300	0.300	0.309	0.272	12.53
42)	S	2,4,6-Tribromo...	0.173	0.193	0.226	0.250	0.270	0.289		0.234	19.21
43)	C	2,4,6-Trichlor...	0.315	0.344	0.404	0.418	0.448	0.465	0.485	0.411	15.24
44)		2,4,5-Trichlor...	0.358	0.385	0.443	0.458	0.478	0.504	0.517	0.449	13.13
45)	S	2-Fluorobiphenyl	1.388	1.419	1.563	1.587	1.696	1.744	1.781	1.597	9.62
46)		1,1'-Biphenyl	1.398	1.399	1.539	1.523	1.606	1.642	1.683	1.541	7.28
47)		2-Chloronaphth...	1.085	1.115	1.194	1.177	1.244	1.283	1.301	1.200	6.80
48)		2-Nitroaniline	0.193	0.225	0.262	0.280	0.294	0.312	0.320	0.269	17.26
49)		Acenaphthylene	1.455	1.502	1.656	1.671	1.755	1.823	1.877	1.677	9.36
50)		Dimethylphthalate	1.253	1.262	1.377	1.370	1.402	1.464	1.512	1.377	6.97
51)		2,6-Dinitrotol...	0.225	0.246	0.274	0.281	0.288	0.304	0.314	0.276	11.34
52)	C	Acenaphthene	0.979	0.985	1.072	1.101	1.145	1.194	1.223	1.100	8.69
53)		3-Nitroaniline	0.198	0.222	0.259	0.273	0.277	0.300	0.310	0.263	15.43
54)	P	2,4-Dinitrophenol		0.083	0.111	0.132	0.145	0.159	0.174	0.134	24.72
55)		Dibenzofuran	1.664	1.705	1.814	1.791	1.882	1.956	2.018	1.833	7.00
56)	P	4-Nitrophenol		0.172	0.210	0.233	0.232	0.257	0.267	0.229	15.05
57)		2,4-Dinitrotol...	0.260	0.294	0.345	0.371	0.379	0.411	0.425	0.355	17.00
58)		Fluorene	1.255	1.297	1.454	1.498	1.564	1.646	1.732	1.492	11.67
59)		2,3,4,6-Tetrac...	0.292	0.325	0.366	0.385	0.394	0.419	0.450	0.376	14.39
60)		Diethylphthalate	1.135	1.170	1.285	1.299	1.338	1.388	1.463	1.297	8.90
61)		4-Chlorophenyl...	0.666	0.702	0.783	0.818	0.870	0.902	0.963	0.815	13.12
62)		4-Nitroaniline	0.182	0.219	0.267	0.299	0.297	0.323	0.329	0.274	20.05
63)		Azobenzene	1.072	1.109	1.232	1.245	1.286	1.337	1.390	1.239	9.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.067	0.087	0.100	0.109	0.119	0.128	0.102	21.84
66)	c	n-Nitrosodiphe...	0.530	0.530	0.603	0.600	0.644	0.656	0.679	0.606	9.72
67)		4-Bromophenyl-...	0.192	0.201	0.227	0.226	0.249	0.251	0.270	0.231	12.13
68)		Hexachlorobenzene	0.229	0.232	0.253	0.251	0.274	0.281	0.297	0.260	9.77
69)		Atrazine	0.146	0.151	0.144	0.128	0.098			0.134	16.15
70)	C	Pentachlorophenol		0.118	0.145	0.161	0.171	0.185	0.200	0.163	17.87
71)		Phenanthrene	0.968	1.001	1.085	1.093	1.158	1.216	1.253	1.111	9.52
72)		Anthracene	0.892	0.933	1.055	1.066	1.144	1.193	1.246	1.076	12.13
73)		Carbazole	0.785	0.855	0.952	0.991	1.016	1.091	1.128	0.974	12.57
74)		Di-n-butylphth...	0.808	0.885	1.042	1.082	1.164	1.201	1.289	1.068	16.12
75)	C	Fluoranthene	0.974	1.060	1.203	1.300	1.353	1.482	1.579	1.279	17.01
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.185	0.287	0.210	0.273	0.219	0.267	0.240	17.00
78)		Pyrene	1.240	1.253	1.390	1.328	1.468	1.540	1.562	1.397	9.37
79)	S	Terphenyl-d14	0.978	1.021	1.204	1.207	1.352	1.374	1.171	1.187	12.60
80)		Butylbenzylpht...	0.323	0.352	0.428	0.432	0.482	0.491	0.527	0.434	17.19
81)		Benzo(a)anthra...	1.150	1.186	1.318	1.307	1.414	1.462	1.515	1.336	10.23
82)		3,3'-Dichlorob...		0.317	0.396	0.411	0.474	0.479	0.532	0.435	17.44
83)		Chrysene	1.072	1.134	1.259	1.242	1.333	1.390	1.436	1.266	10.41
84)		Bis(2-ethylhex...	0.491	0.541	0.678	0.678	0.771	0.748	0.824	0.676	17.97
85)	c	Di-n-octyl pht...		0.774	0.954	1.009	1.146	1.130	1.290	1.050	17.04

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.135	1.213	1.382	1.431	1.567	1.630	1.720	1.440	14.96
88)		Benzo(b)fluora...	1.088	1.138	1.297	1.330	1.433	1.508	1.636	1.347	14.54
89)		Benzo(k)fluora...	1.086	1.148	1.294	1.291	1.408	1.479	1.573	1.325	13.16
90)	C	Benzo(a)pyrene	0.899	0.948	1.085	1.120	1.210	1.280	1.378	1.131	15.28
91)		Dibenzo(a,h)an...	0.940	1.023	1.151	1.188	1.299	1.354	1.440	1.199	14.94
92)		Benzo(g,h,i)pe...	0.990	1.043	1.173	1.203	1.296	1.345	1.407	1.208	12.76

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: BNA_M Calibration Date/Time: 04/07/2025 10:43

Lab File ID: BM049833.D Init. Calib. Date(s): 03/13/2025 03/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:37

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.185	1.053		-11.1	
Phenol-d6	1.488	1.338		-10.1	
Nitrobenzene-d5	0.390	0.329		-15.6	
Naphthalene	1.028	0.931		-9.4	
2-Methylnaphthalene	0.719	0.666		-7.4	
2-Fluorobiphenyl	1.597	1.351		-15.4	
2,4,6-Tribromophenol	0.234	0.259		10.7	
Terphenyl-d14	1.187	1.070		-9.9	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

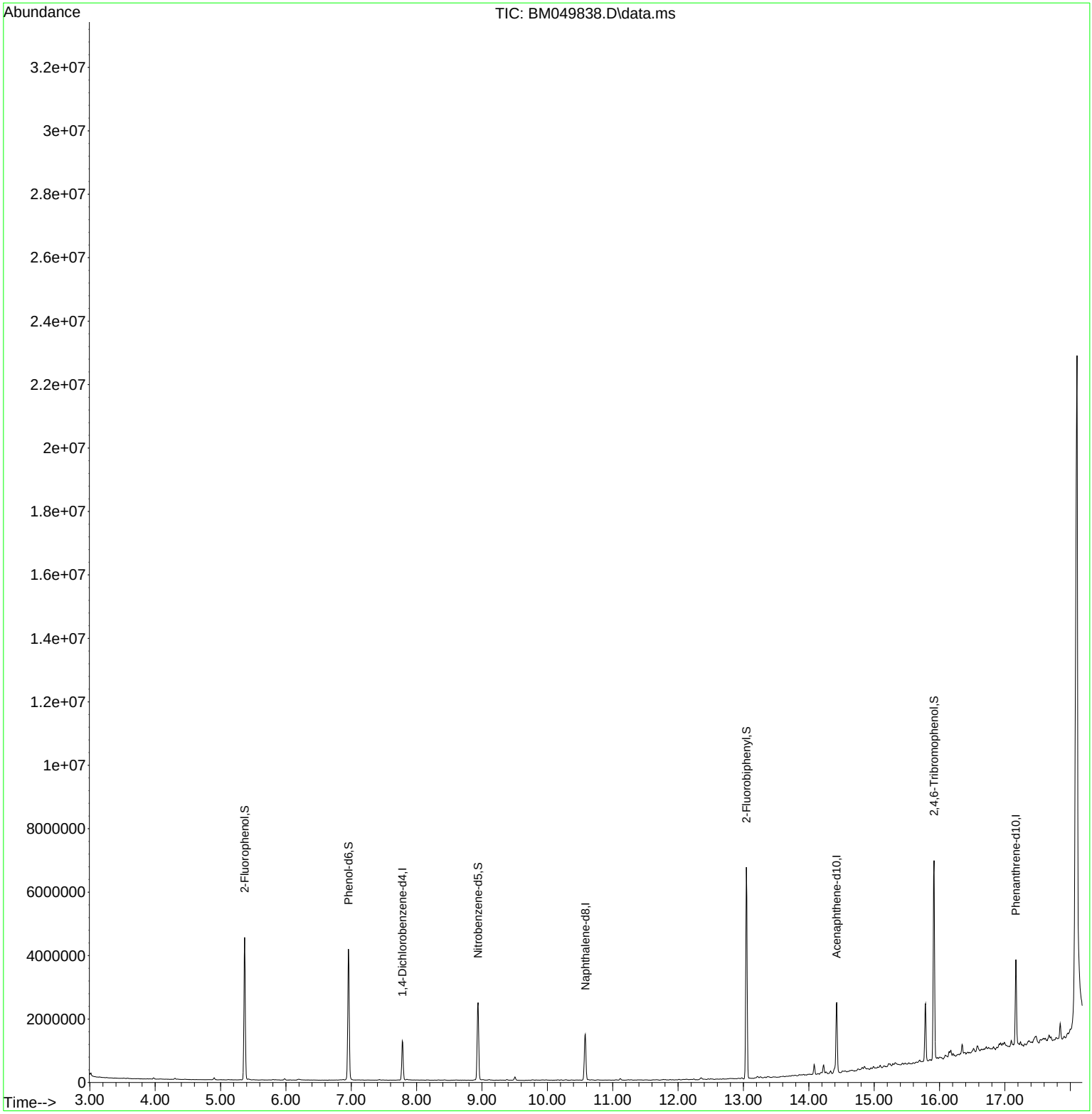
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	359832	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1263445	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	811796	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1511487	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1443653	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1643723	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1985128	93.087	ng	-0.02
7) Phenol-d6	6.957	99	2415578	90.260	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1416069	57.544	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1303619	137.522	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3537935	54.581	ng	-0.02
79) Terphenyl-d14	19.798	244	4902521	57.225	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.315	149	610951	12.524	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

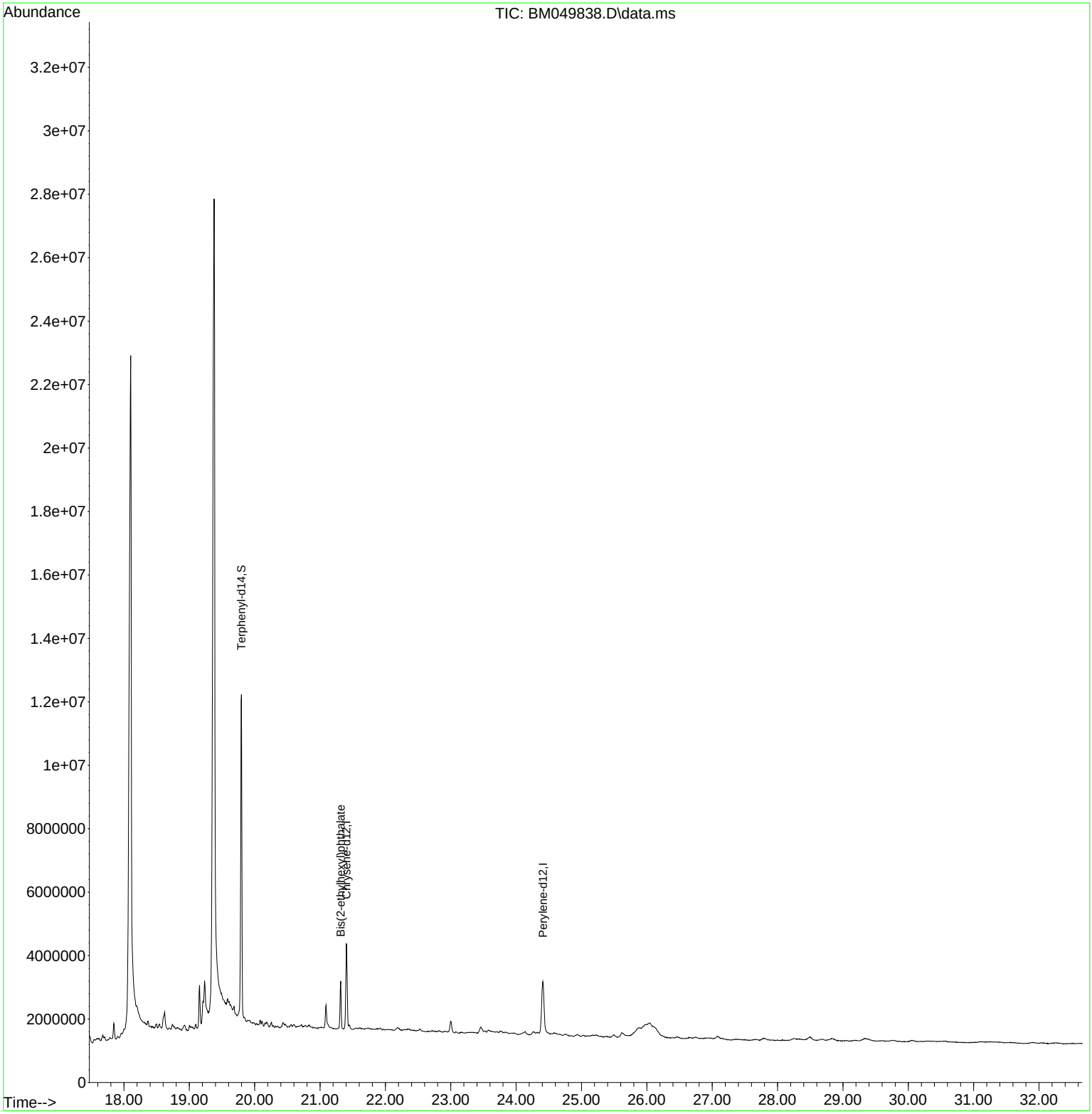
Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

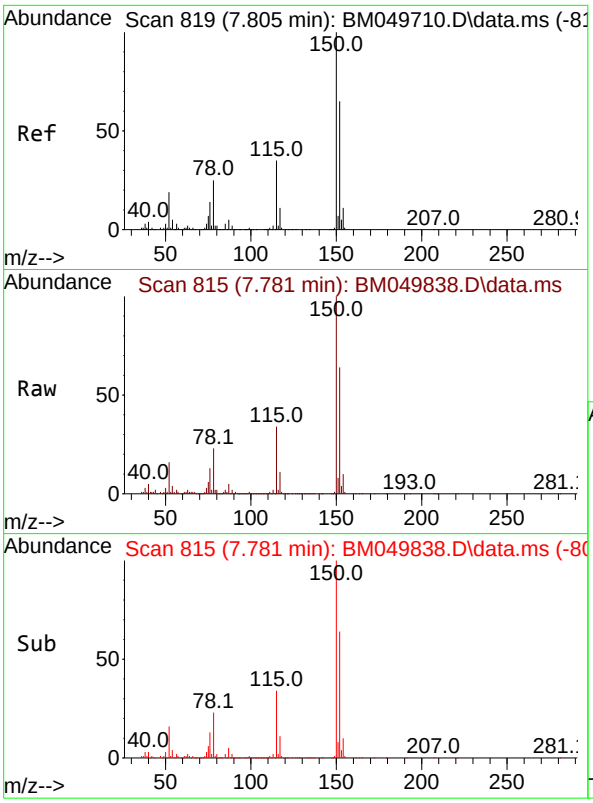


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



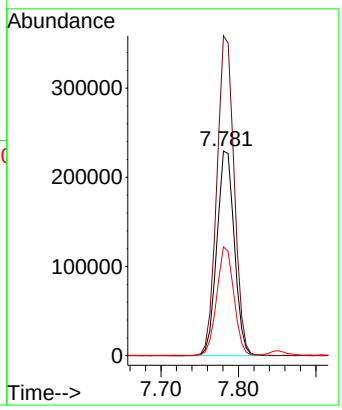


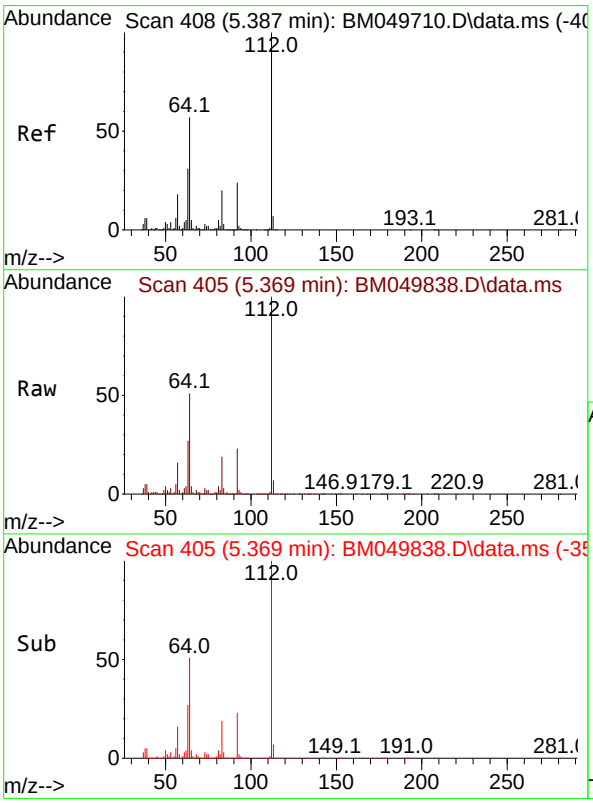
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:152 Resp: 359832

Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.8
115	53.1	43.0	64.6

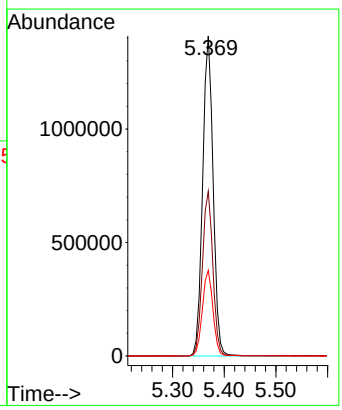


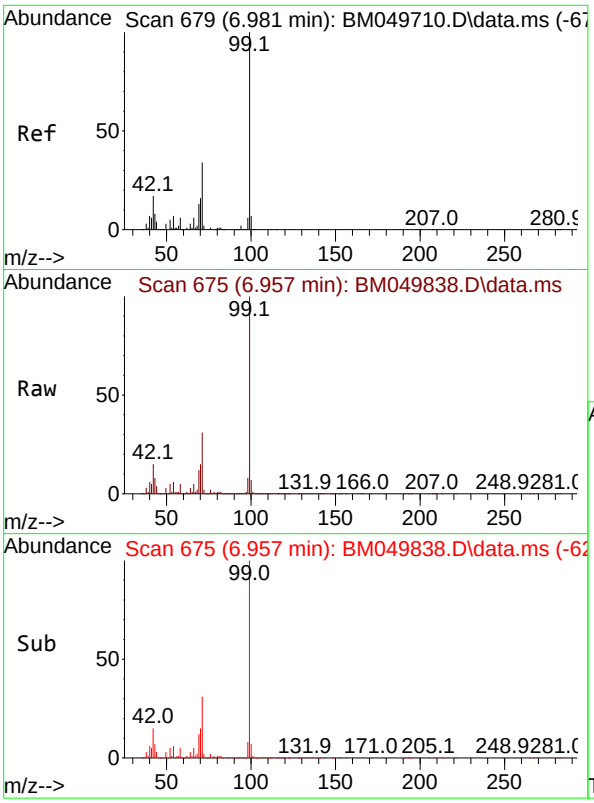


#5
2-Fluorophenol
Concen: 93.087 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:112 Resp: 1985128

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.7	24.4	36.6



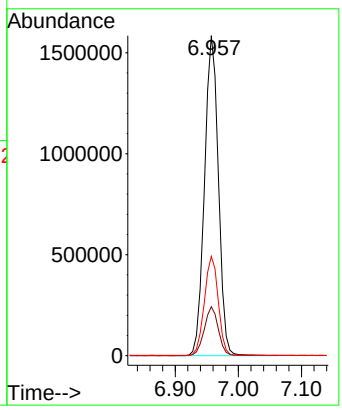


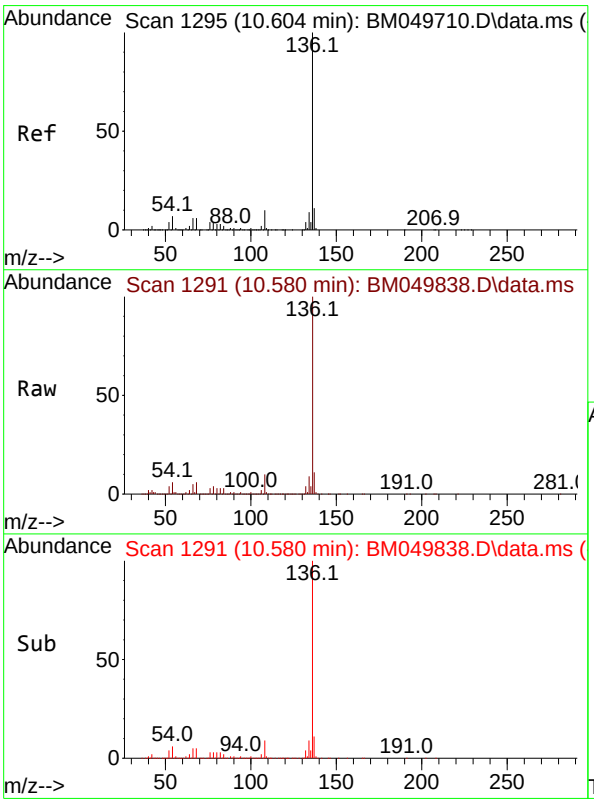
#7
Phenol-d6
Concen: 90.260 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion: 99 Resp: 2415578

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.6	20.4
71	31.1	27.0	40.6

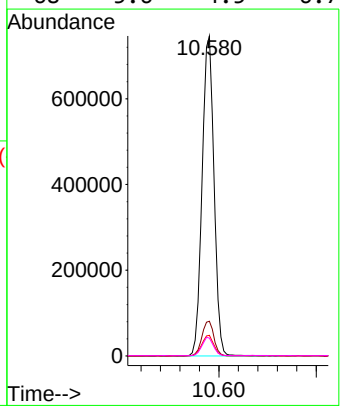


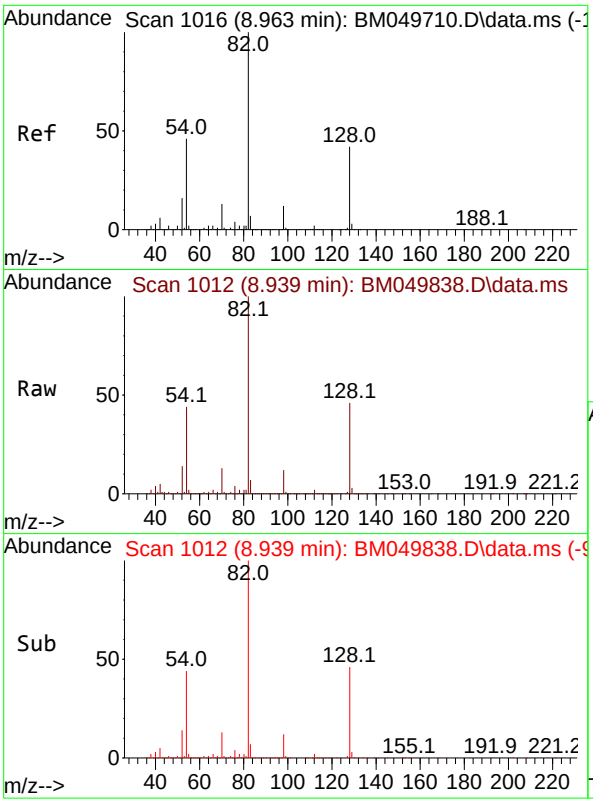


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:136 Resp: 1263445

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.8	8.8
68	5.6	4.5	6.7



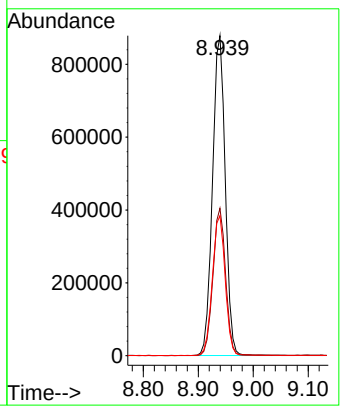


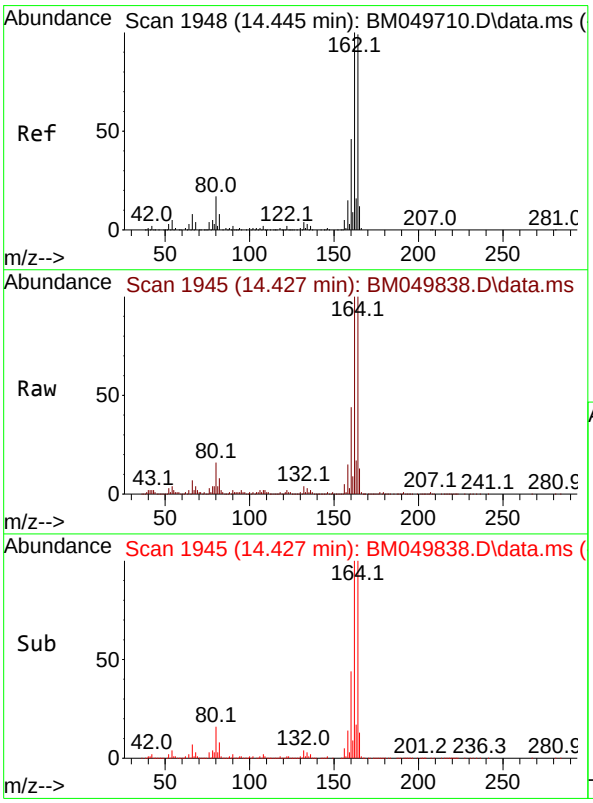
#23
Nitrobenzene-d5
Concen: 57.544 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion: 82 Resp: 1416069

Ion	Ratio	Lower	Upper
82	100		
128	46.0	33.4	50.0
54	43.7	36.4	54.6

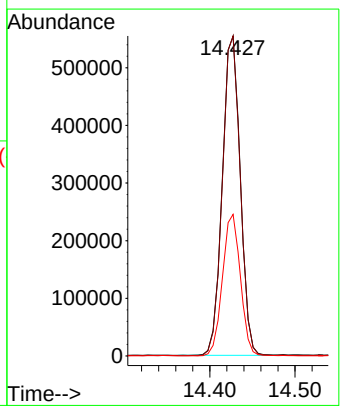


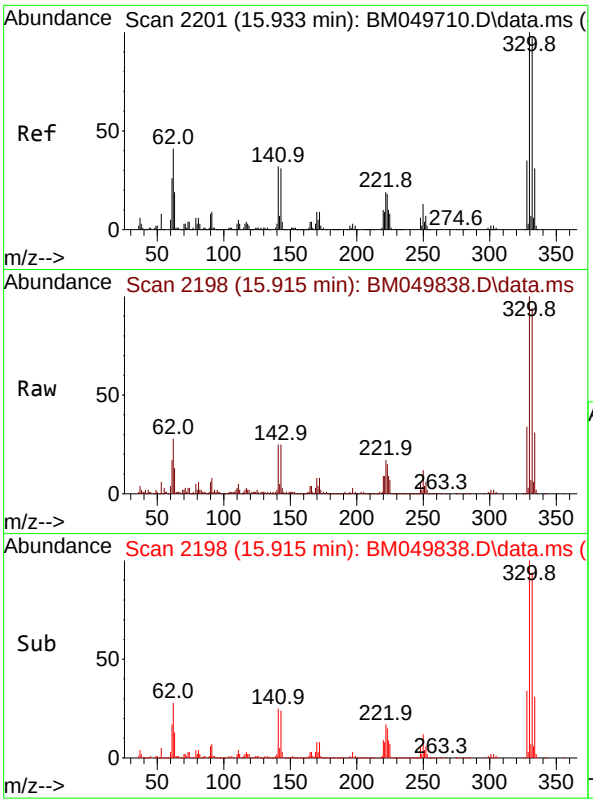


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:164 Resp: 811796

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.5	120.7
160	44.3	36.9	55.3



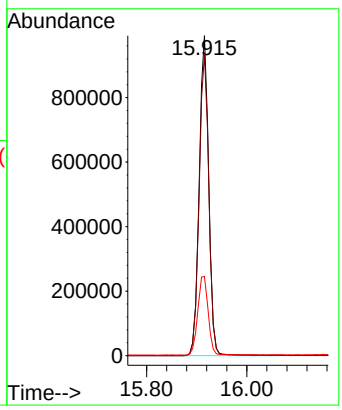


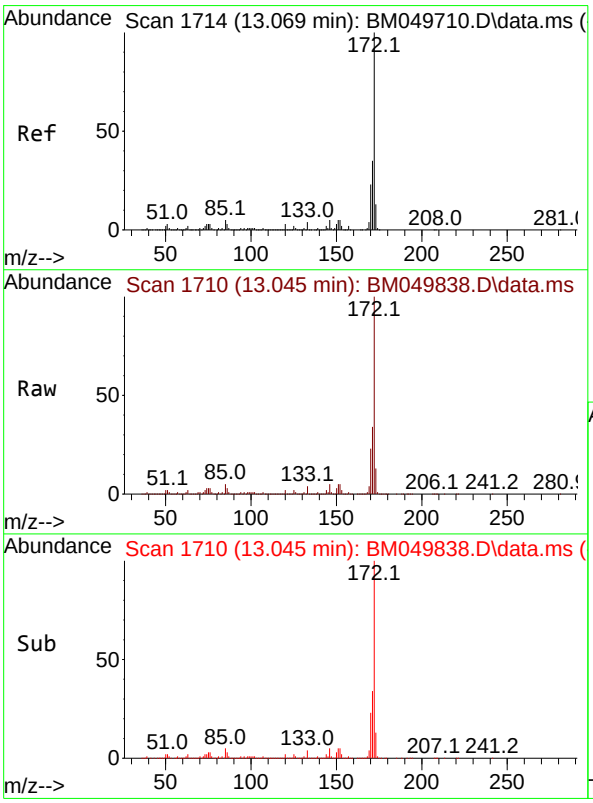
#42
2,4,6-Tribromophenol
Concen: 137.522 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:330 Resp: 1303619

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	27.0	27.8	41.6#

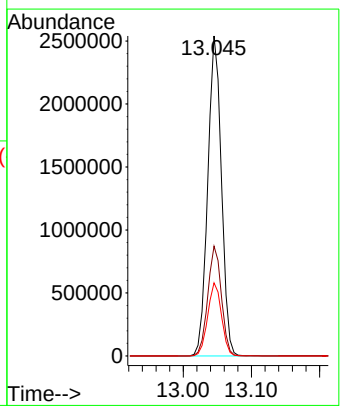


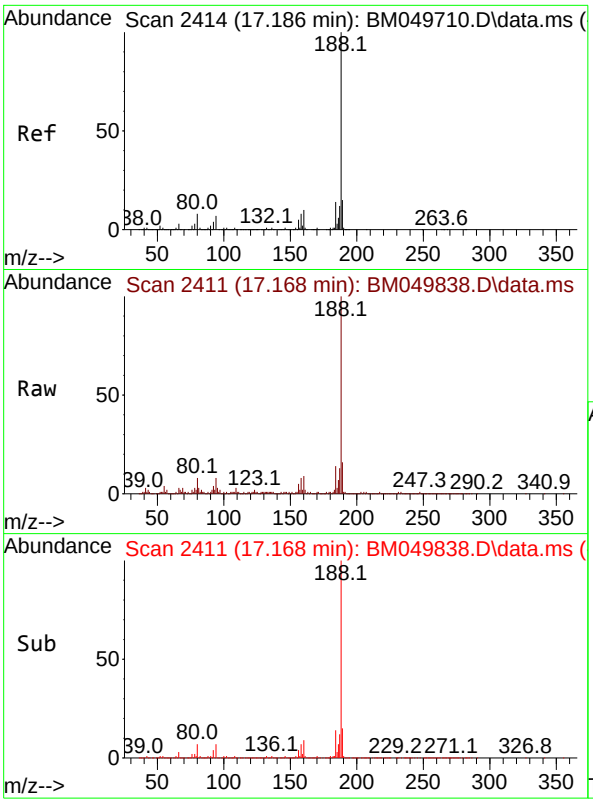


#45
2-Fluorobiphenyl
Concen: 54.581 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:172 Resp: 3537935

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	22.8	18.6	28.0



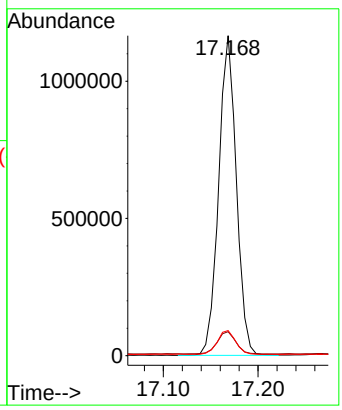


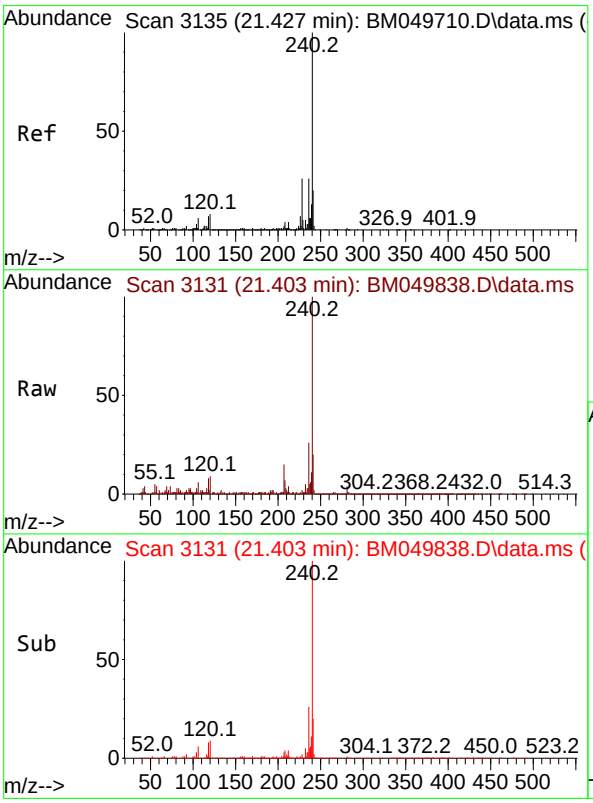
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:188 Resp: 1511487

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.3	9.5

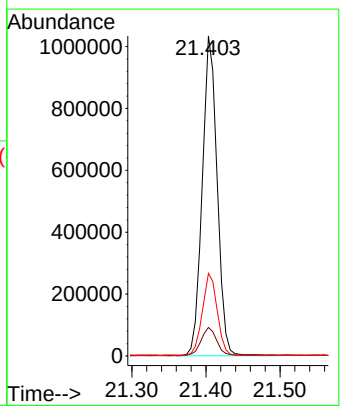


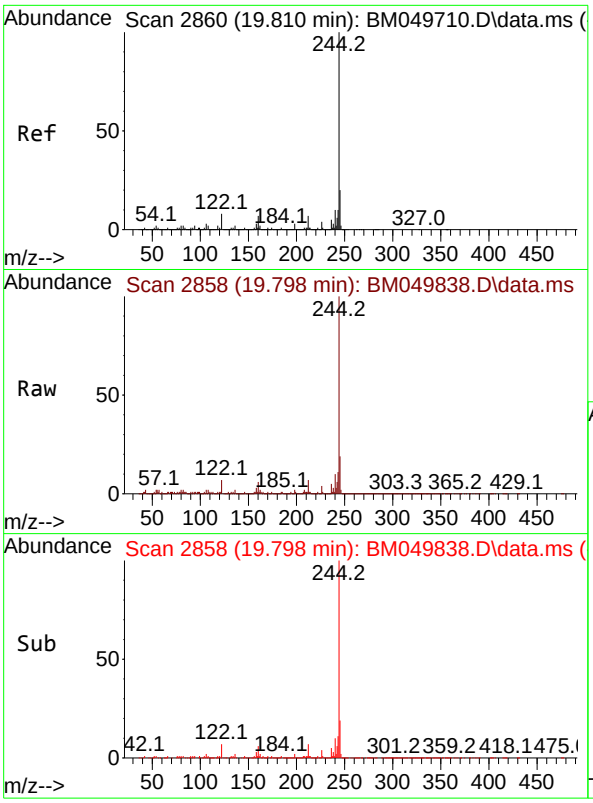


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:240 Resp: 1443653

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.8	20.7	31.1



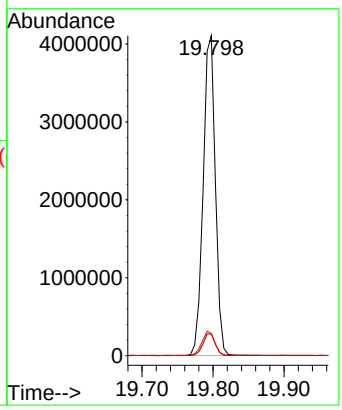


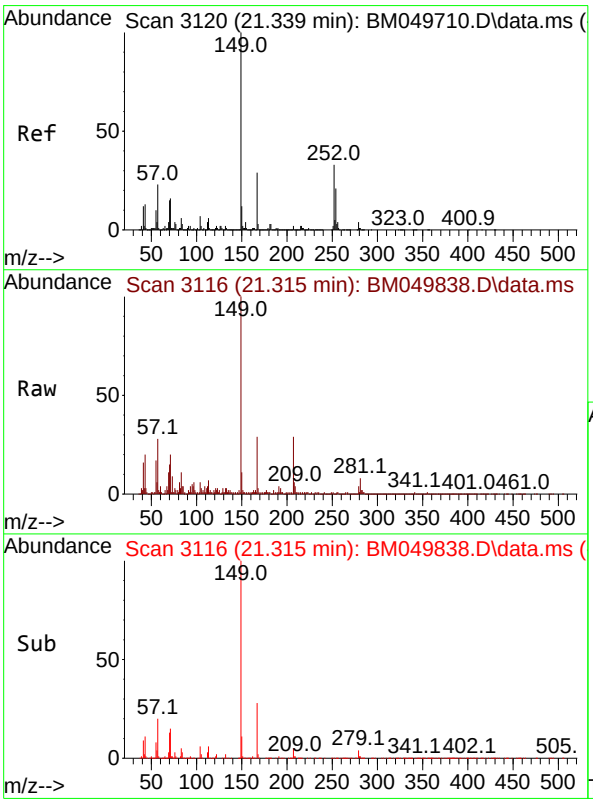
#79
Terphenyl-d14
Concen: 57.225 ng
RT: 19.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:244 Resp: 4902521

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	6.9	6.0	9.0

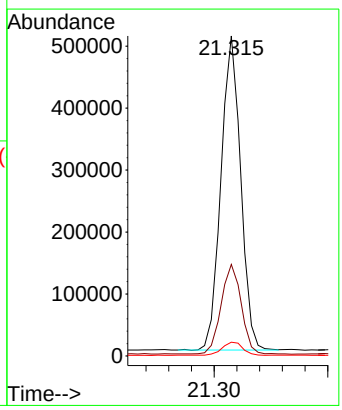


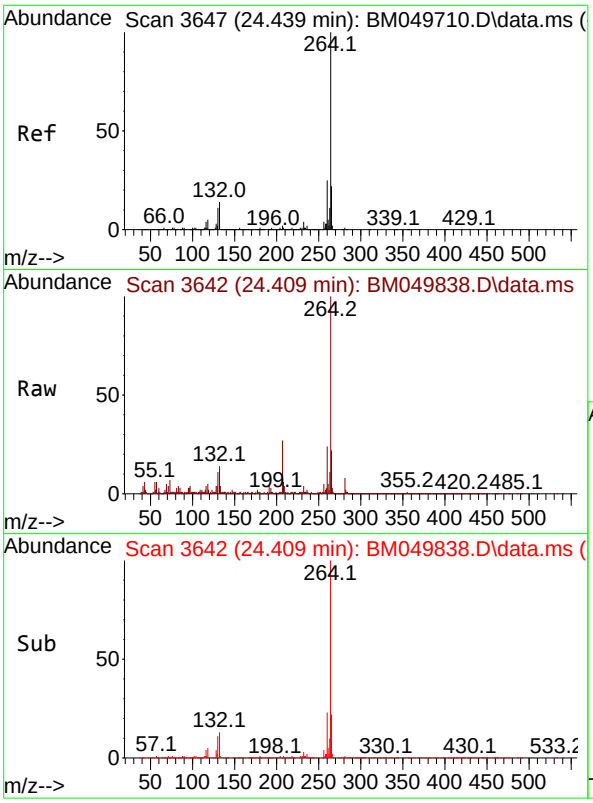


#84
Bis(2-ethylhexyl)phthalate
Concen: 12.524 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:149 Resp: 610951

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.3	3.5	5.3



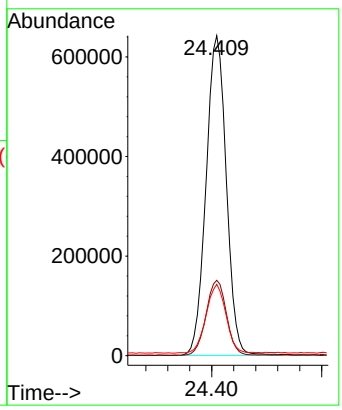


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:264 Resp: 1643723

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.3	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

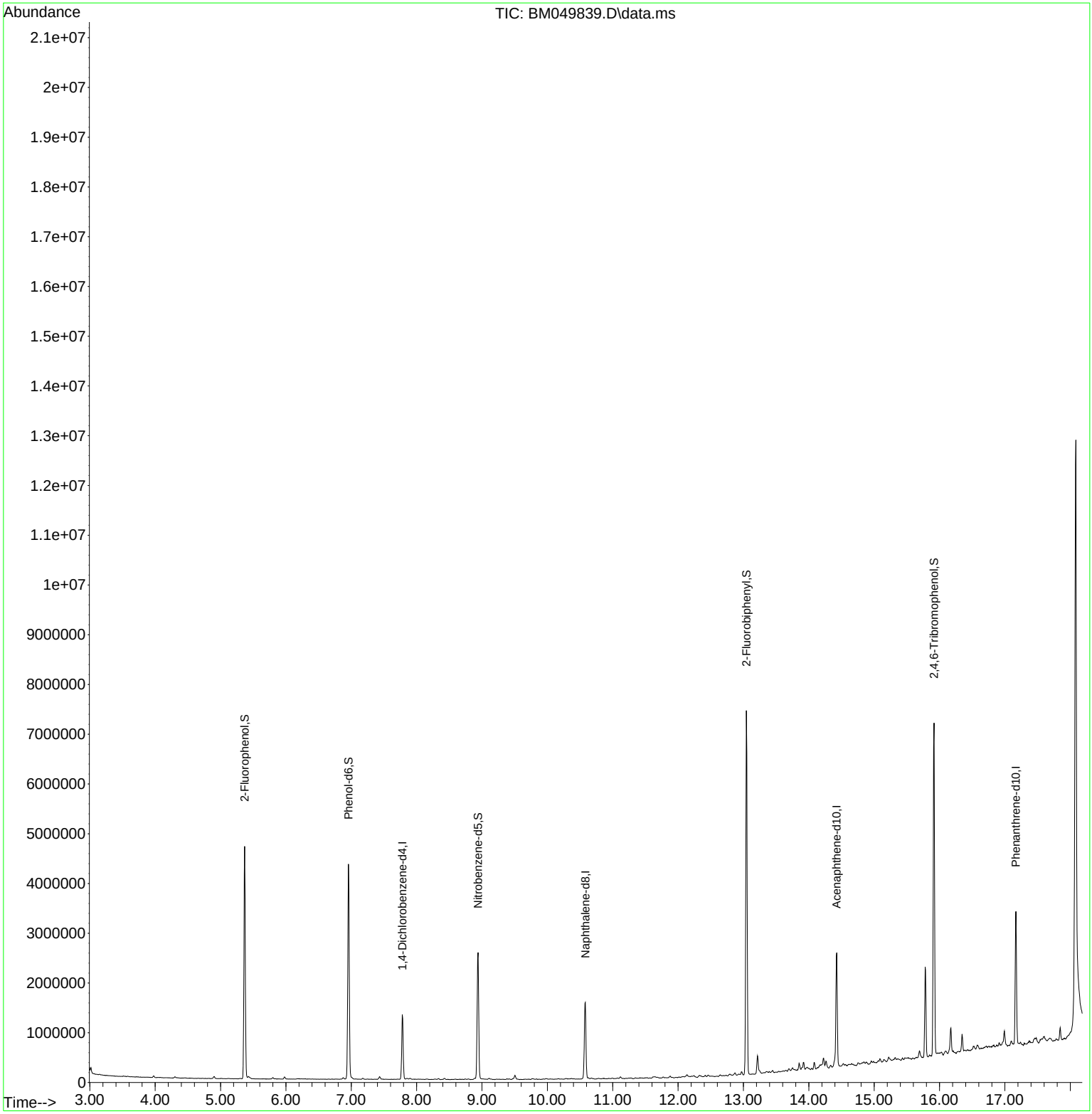
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	377673	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1316947	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	831557	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1563937	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1483521	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1673412	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2098672	93.762	ng	-0.02
7) Phenol-d6	6.957	99	2507550	89.270	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1488547	58.032	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	1363728	140.444	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3865895	58.223	ng	-0.02
79) Terphenyl-d14	19.792	244	5465209	62.079	ng	-0.02
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

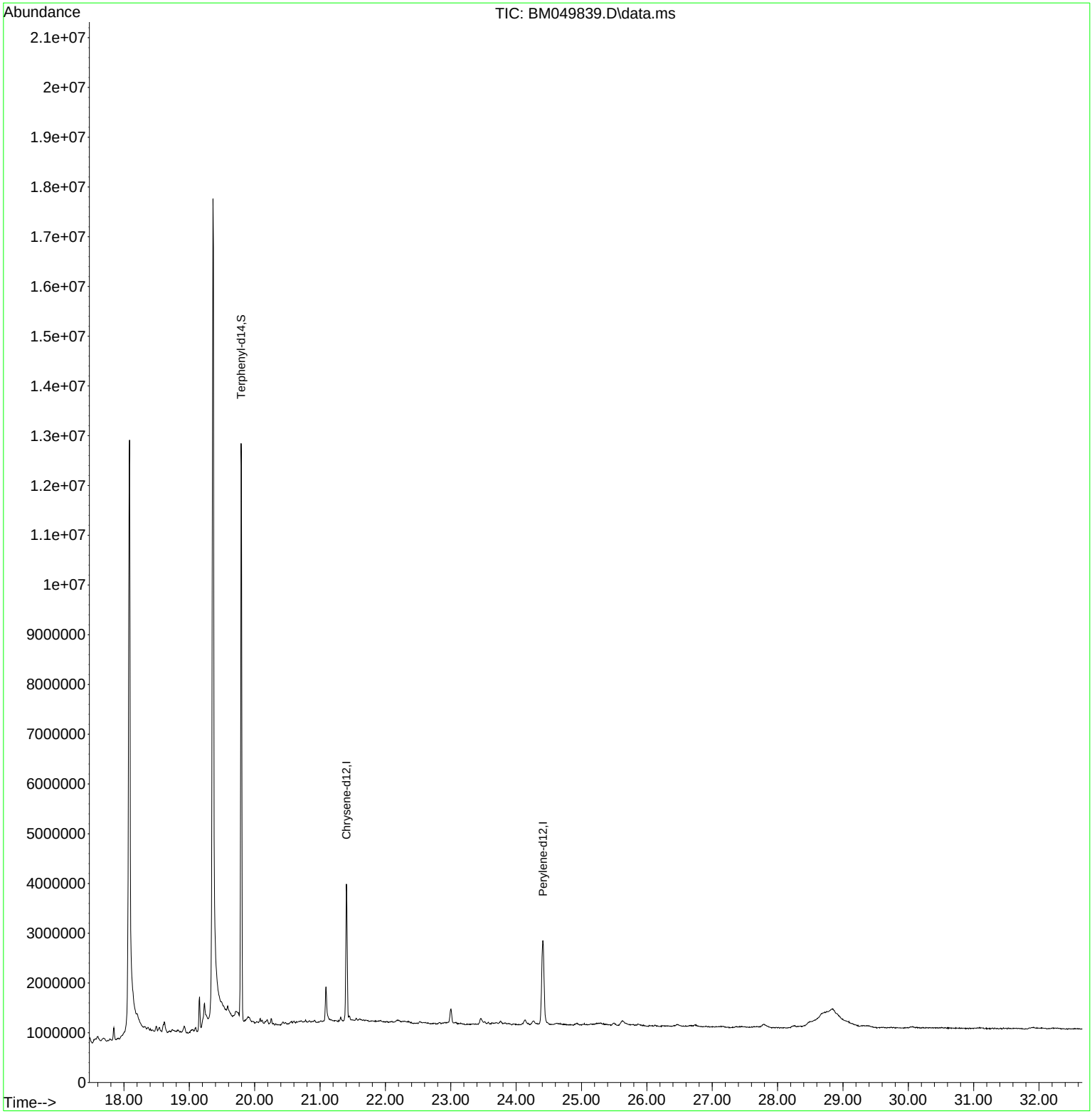
Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

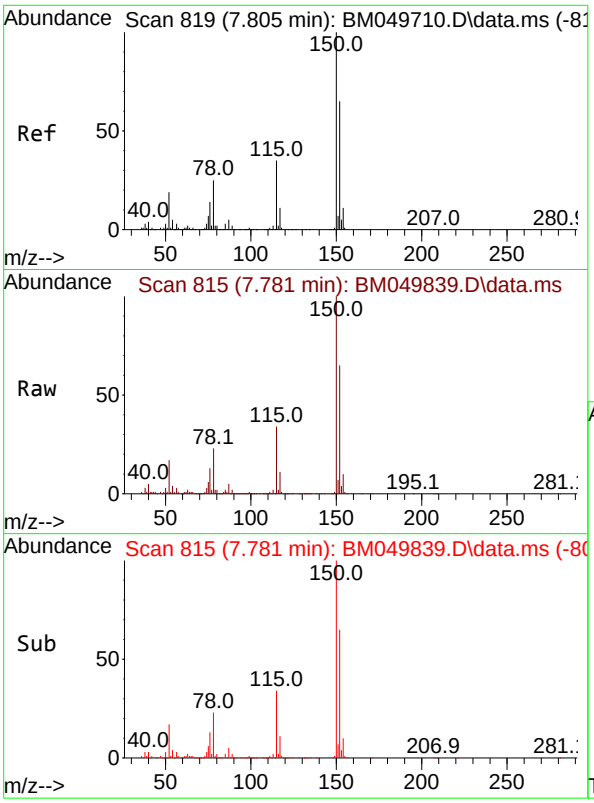


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



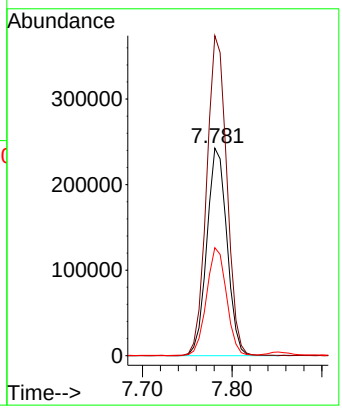


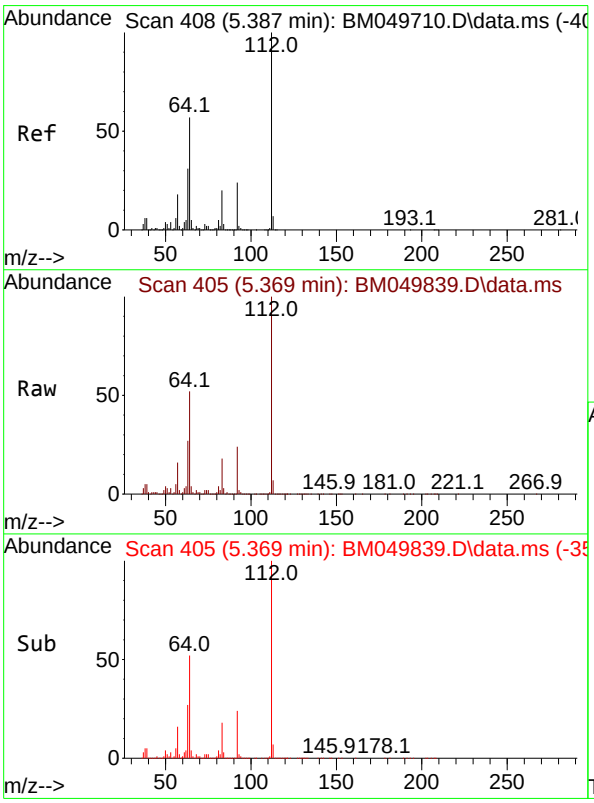
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:152 Resp: 377673

Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.8	185.8
115	52.0	43.0	64.6

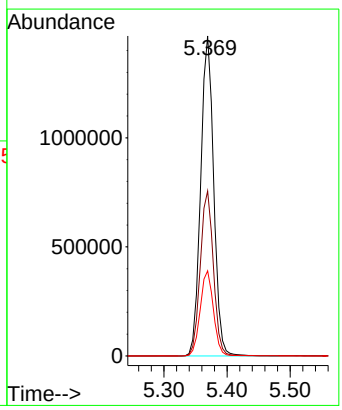


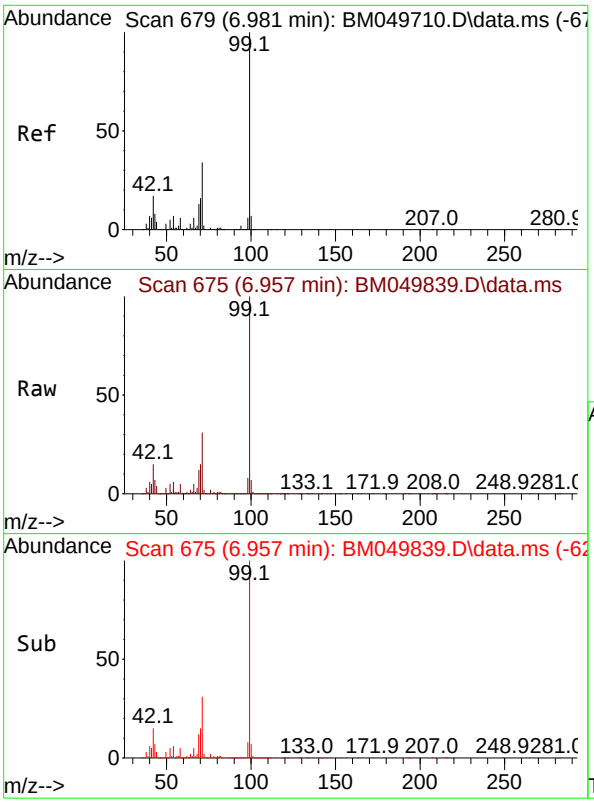


#5
2-Fluorophenol
Concen: 93.762 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:112 Resp: 2098672

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.6	24.4	36.6



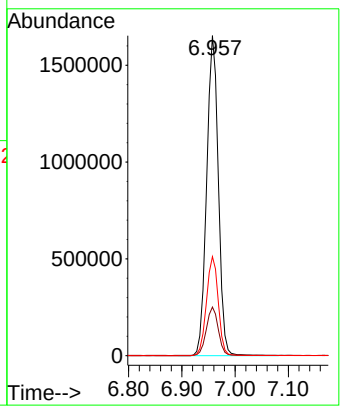


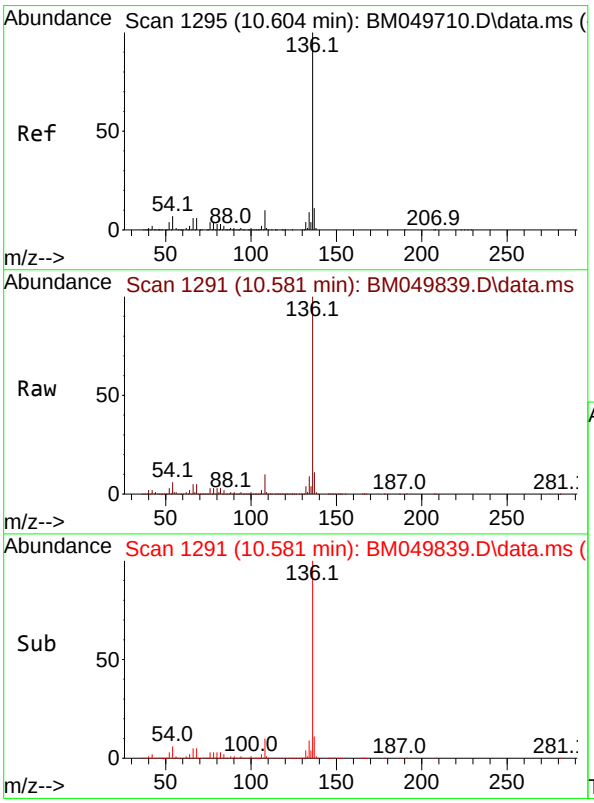
#7
Phenol-d6
Concen: 89.270 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion: 99 Resp: 2507550

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.6	20.4
71	31.0	27.0	40.6

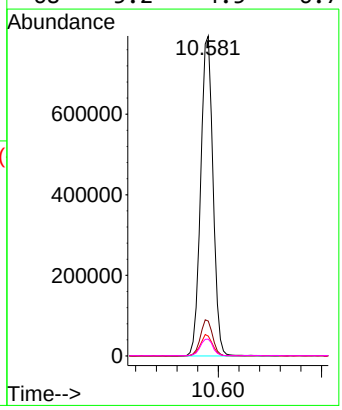


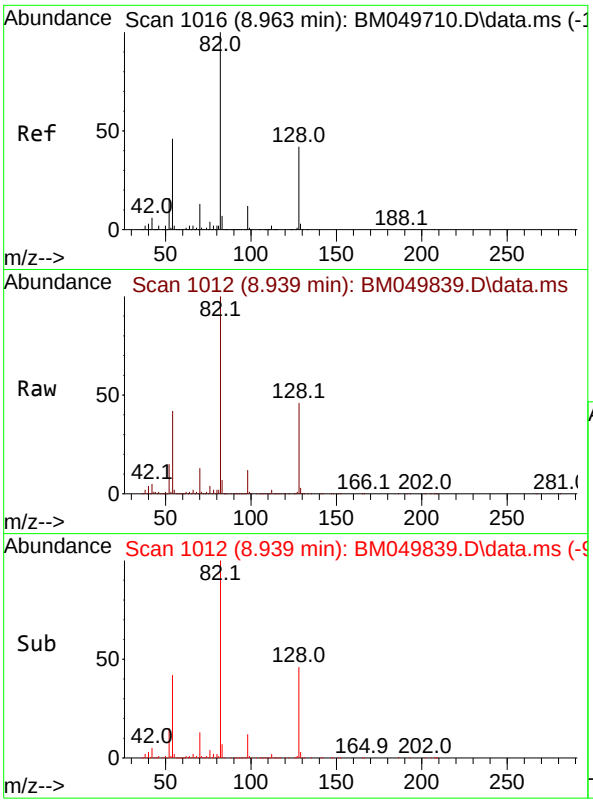


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:136 Resp: 1316947

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.2	5.8	8.8
68	5.2	4.5	6.7



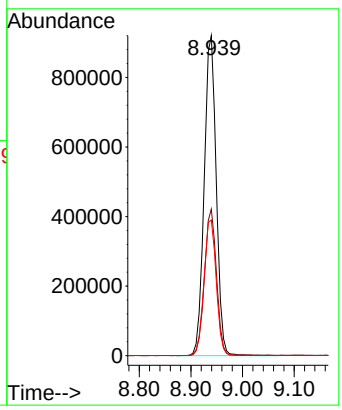


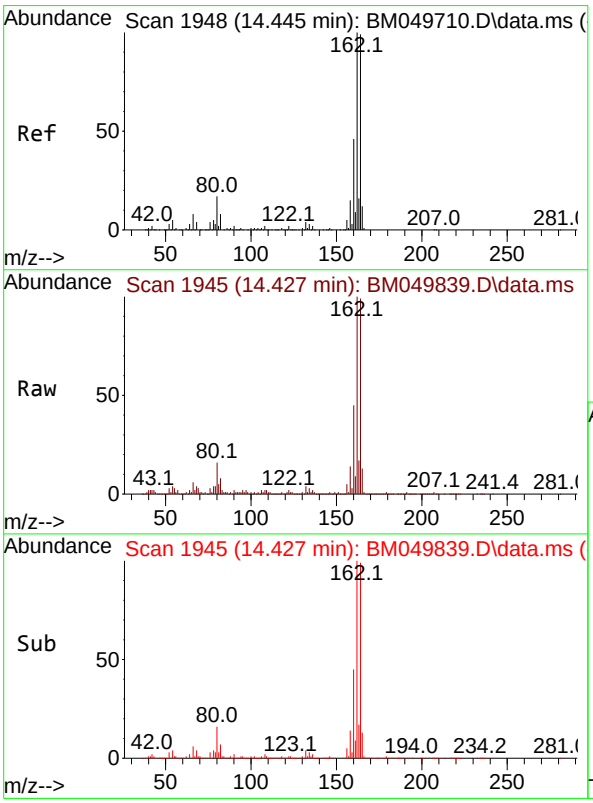
#23
Nitrobenzene-d5
Concen: 58.032 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion: 82 Resp: 1488547

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.4	50.0
54	42.3	36.4	54.6

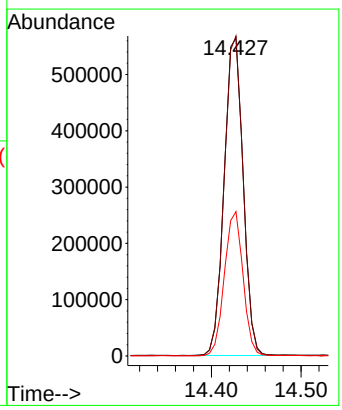


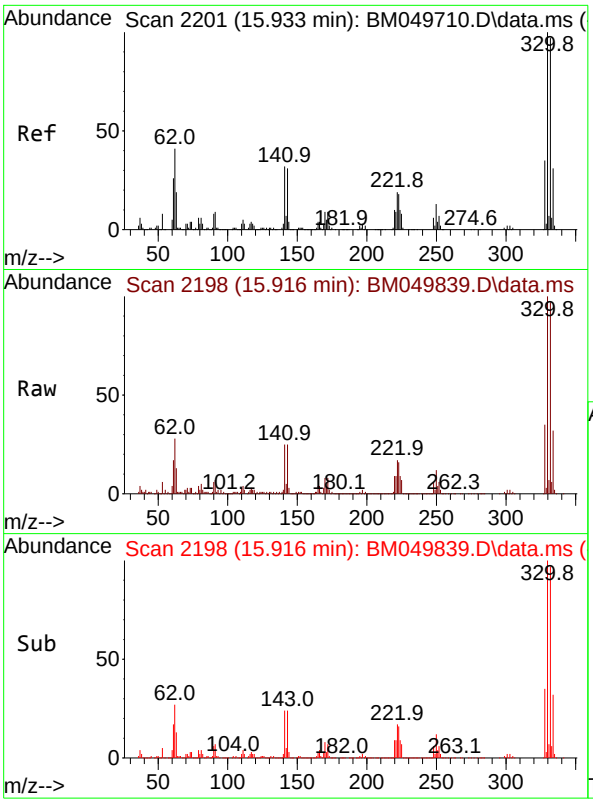


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:164 Resp: 831557

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.5	120.7
160	45.4	36.9	55.3



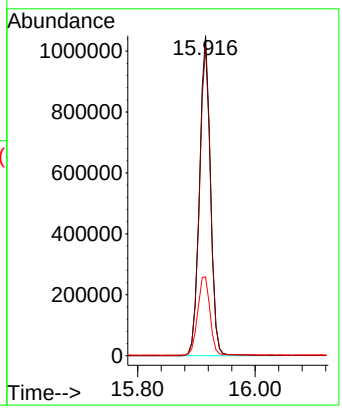


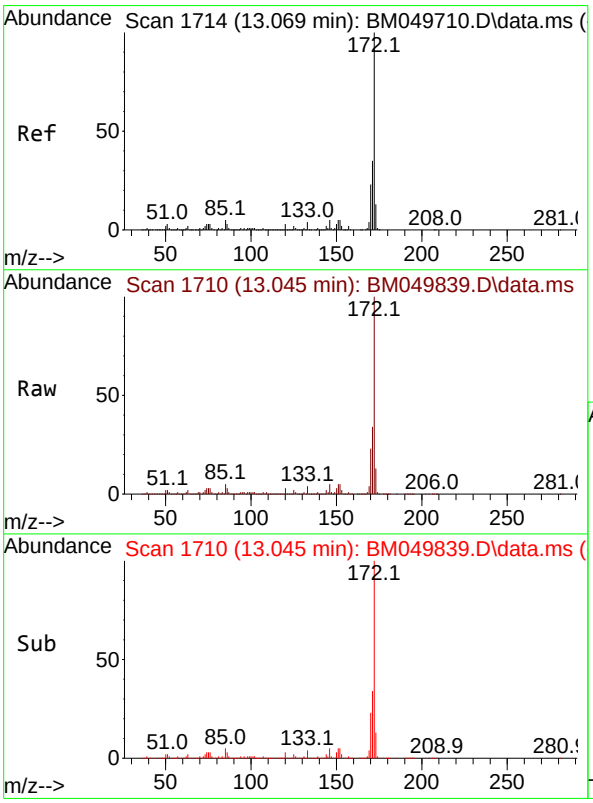
#42
2,4,6-Tribromophenol
Concen: 140.444 ng
RT: 15.916 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:330 Resp: 1363728

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.4
141	27.1	27.8	41.6#

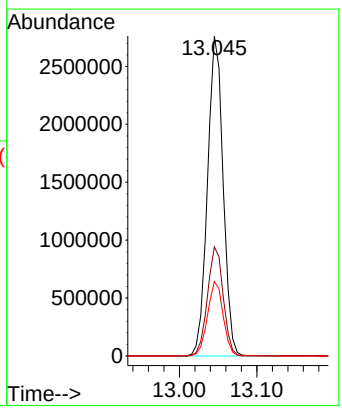


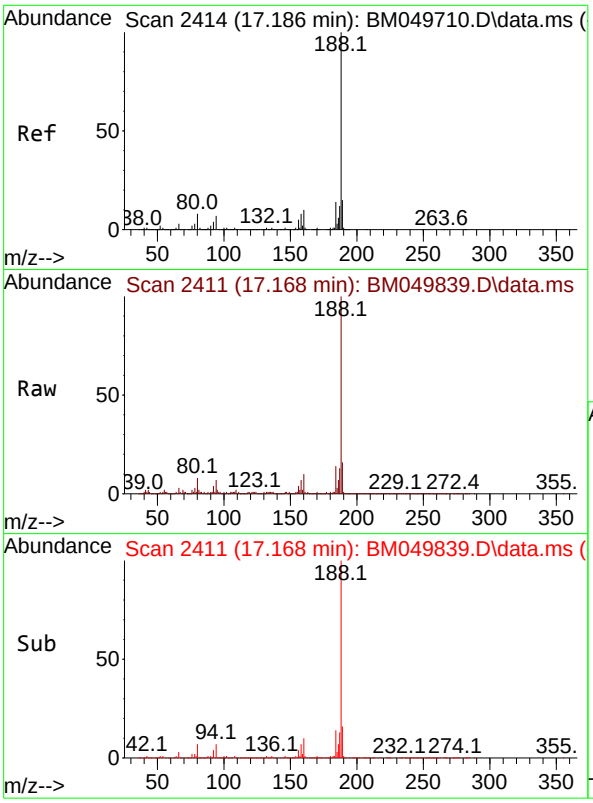


#45
2-Fluorobiphenyl
Concen: 58.223 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:172 Resp: 3865895

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.9	41.9
170	23.2	18.6	28.0



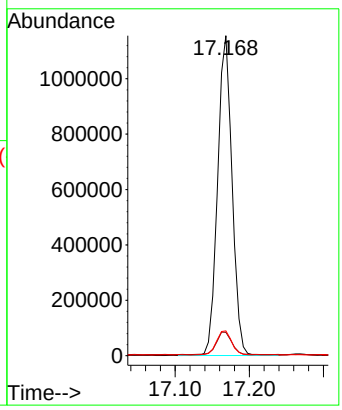


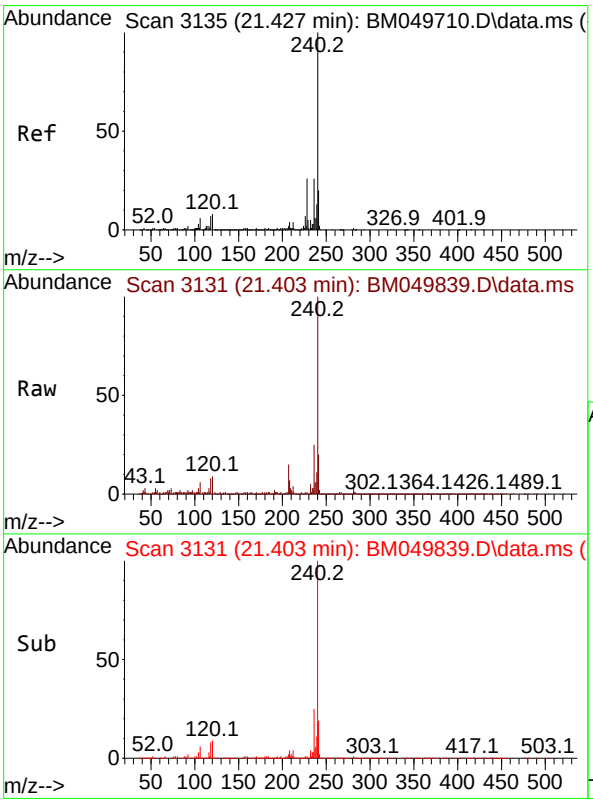
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:188 Resp: 1563937

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.8	6.3	9.5

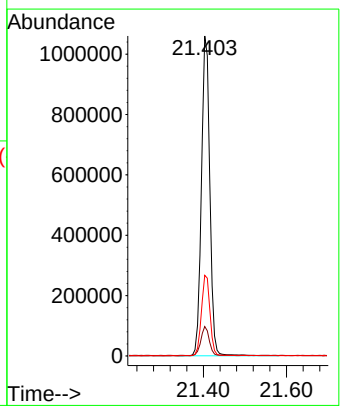


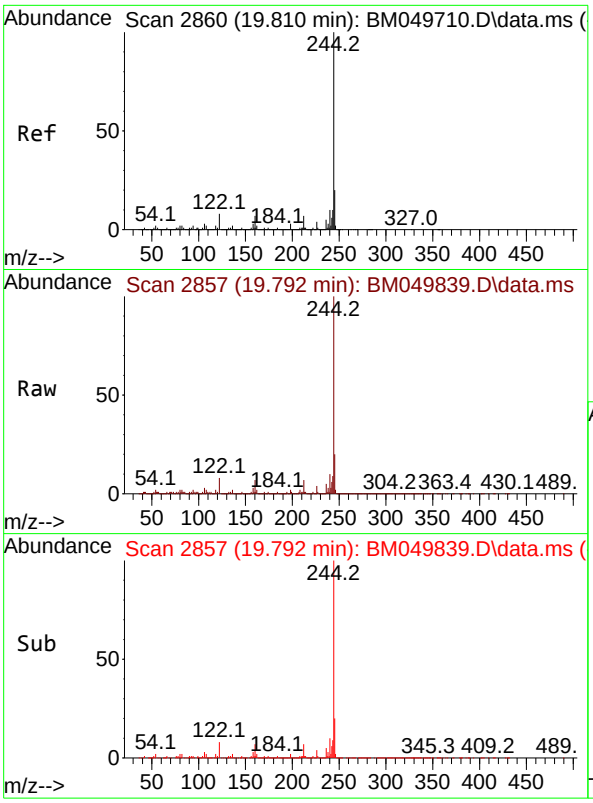


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:240 Resp: 1483521

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.5	9.7
236	25.2	20.7	31.1



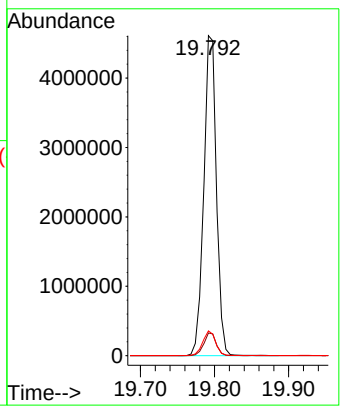


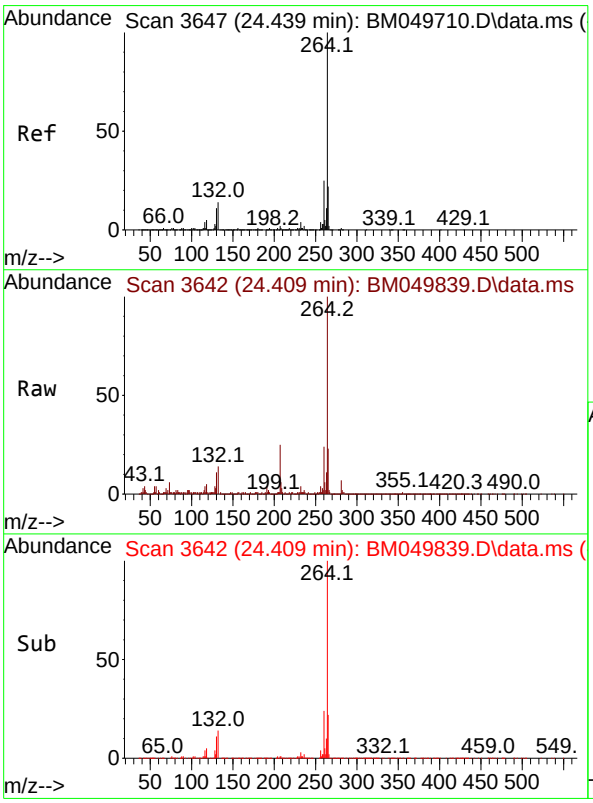
#79
Terphenyl-d14
Concen: 62.079 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:244 Resp: 5465209

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.8	6.0	9.0

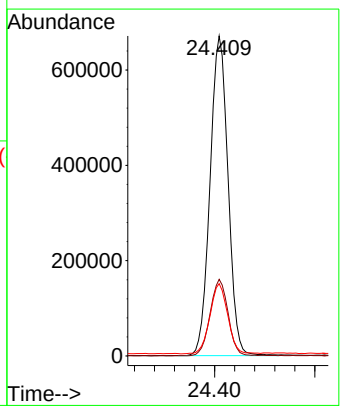




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:264 Resp: 1673412

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.6	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

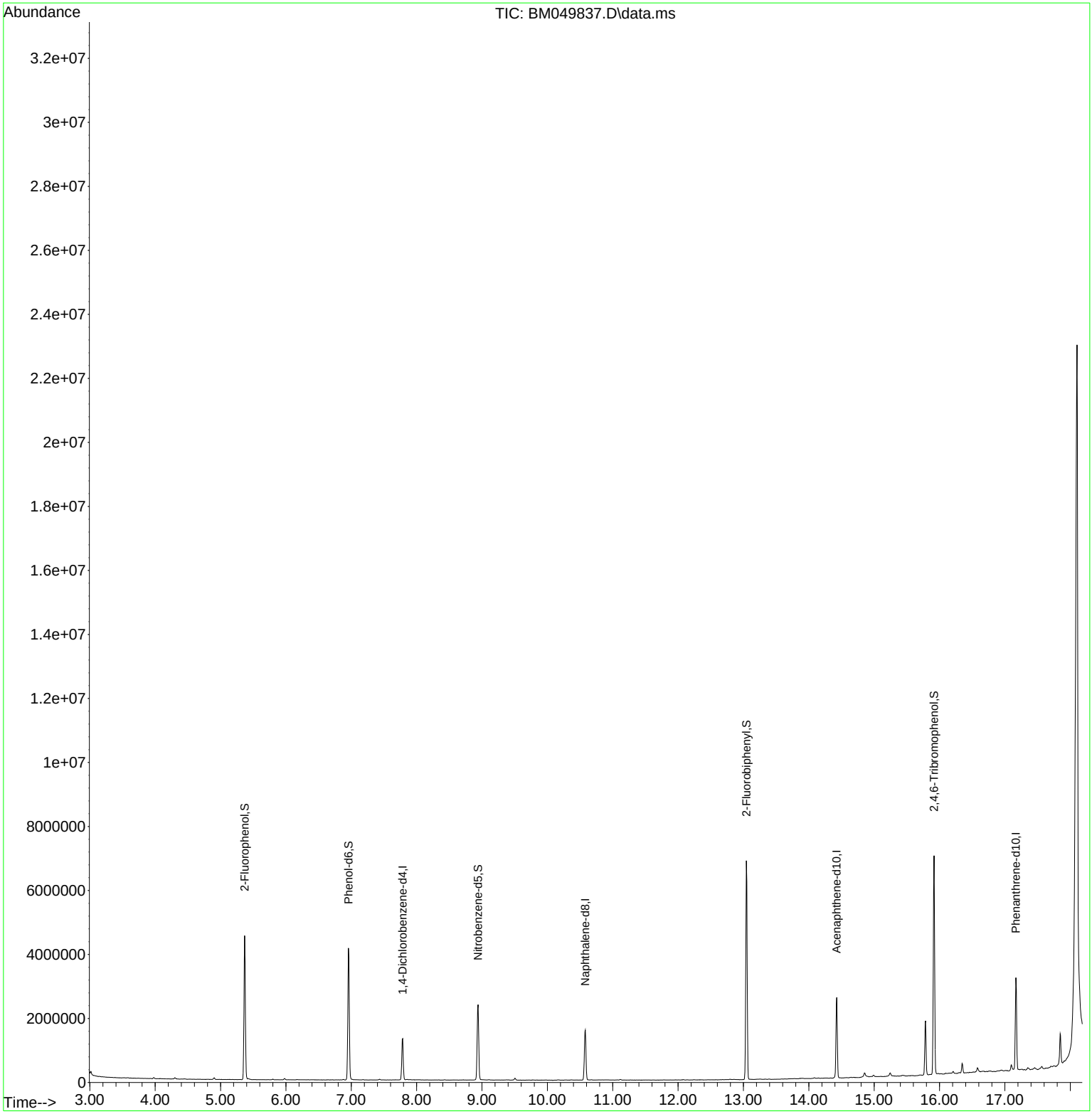
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	388663	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1349629	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	890473	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1740086	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1657124	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1901763	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2017653	87.594	ng	-0.02
7) Phenol-d6	6.957	99	2393051	82.785	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1375296	52.318	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1406785	135.293	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3685119	51.828	ng	-0.02
79) Terphenyl-d14	19.797	244	5518910	56.122	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.315	149	153685	2.745	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

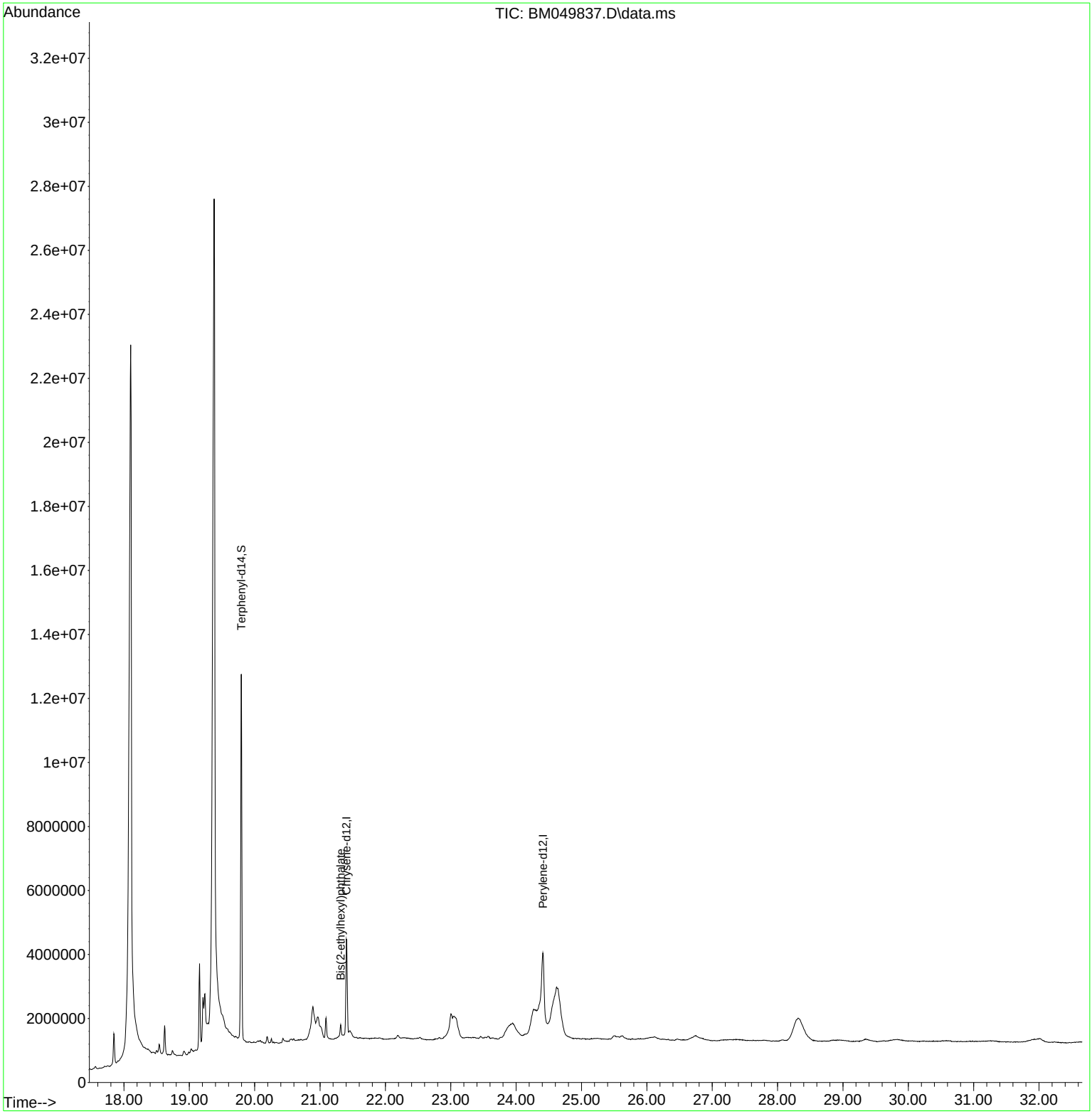
Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

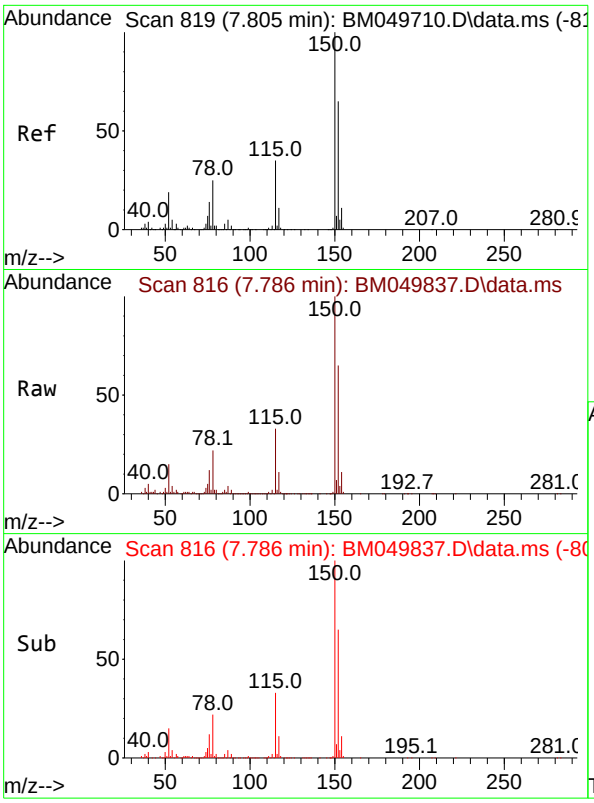


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



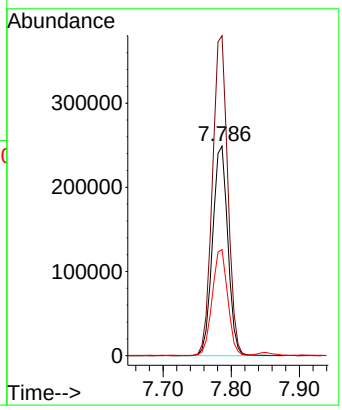


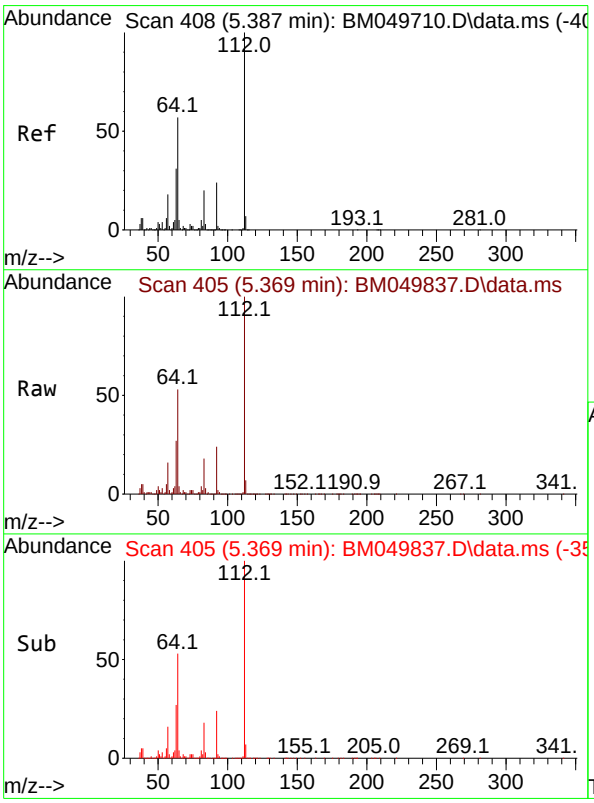
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.019 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:152 Resp: 388663

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	50.6	43.0	64.6

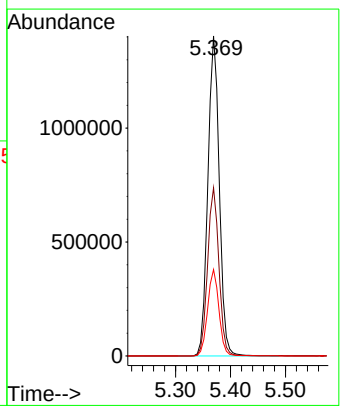


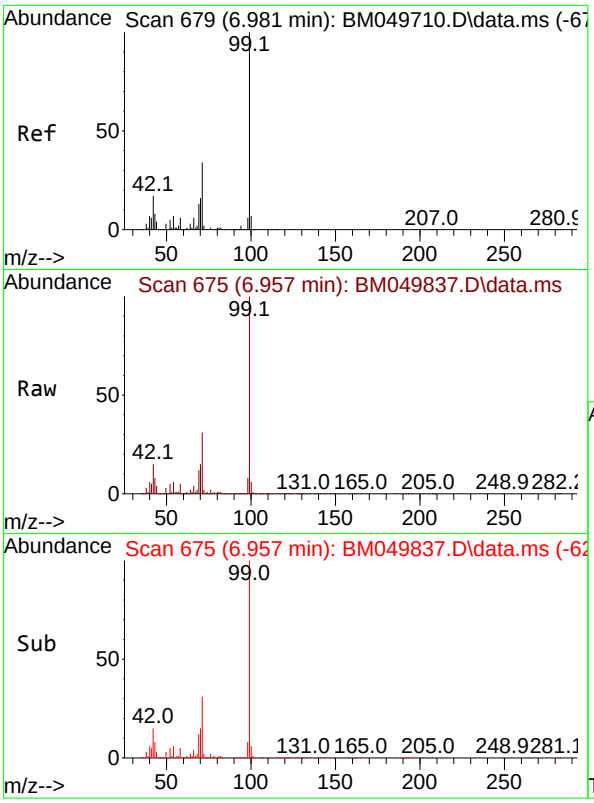


#5
2-Fluorophenol
Concen: 87.594 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:112 Resp: 2017653

Ion	Ratio	Lower	Upper
112	100		
64	52.6	45.3	67.9
63	27.0	24.4	36.6



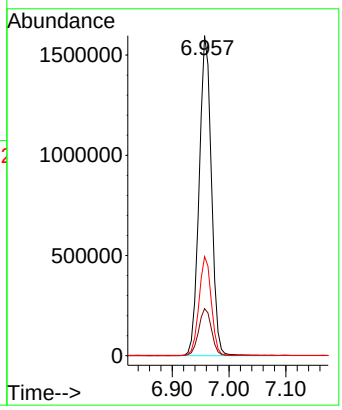


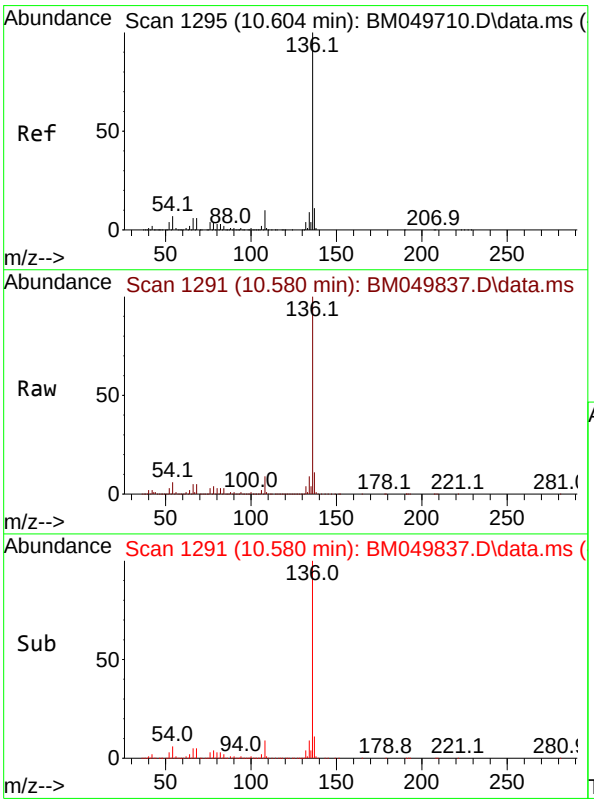
#7
Phenol-d6
Concen: 82.785 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion: 99 Resp: 2393051

Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.6	20.4
71	31.0	27.0	40.6

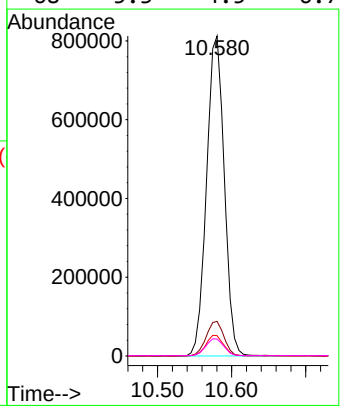


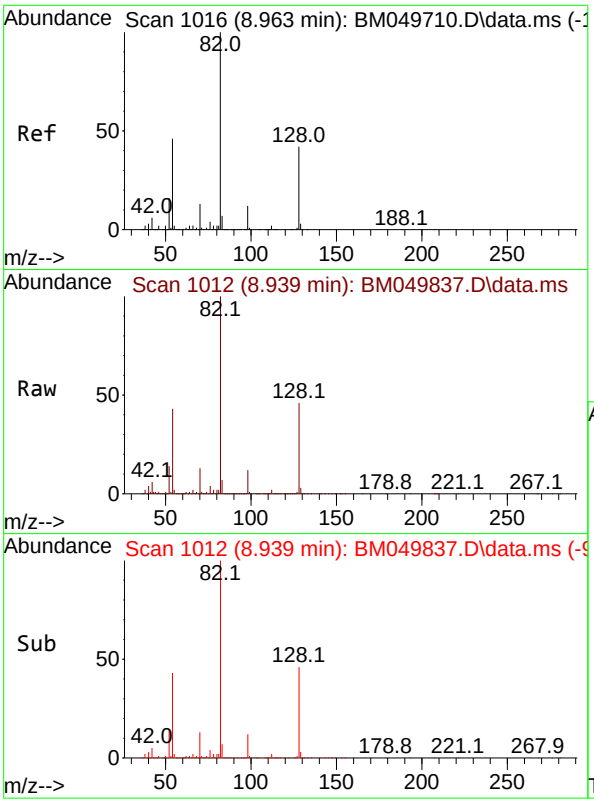


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:136 Resp: 1349629

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.8	8.8
68	5.3	4.5	6.7



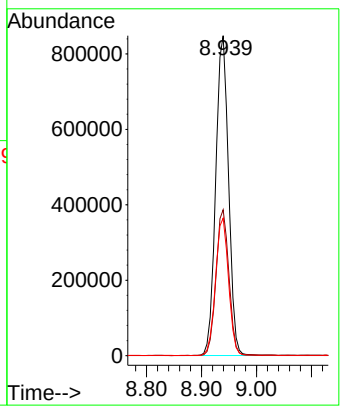


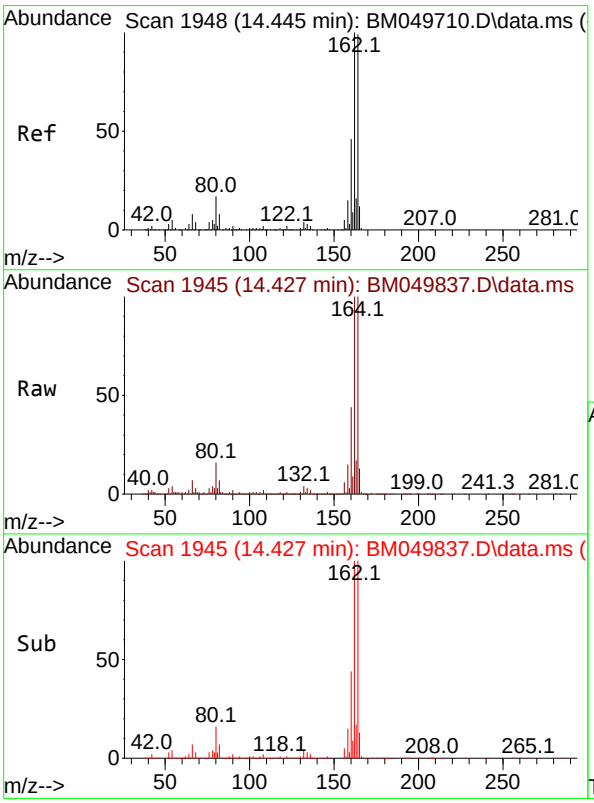
#23
Nitrobenzene-d5
Concen: 52.318 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion: 82 Resp: 1375296

Ion	Ratio	Lower	Upper
82	100		
128	45.6	33.4	50.0
54	43.0	36.4	54.6

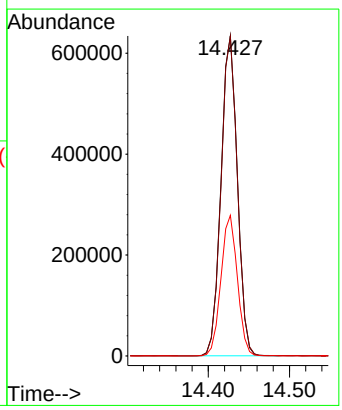


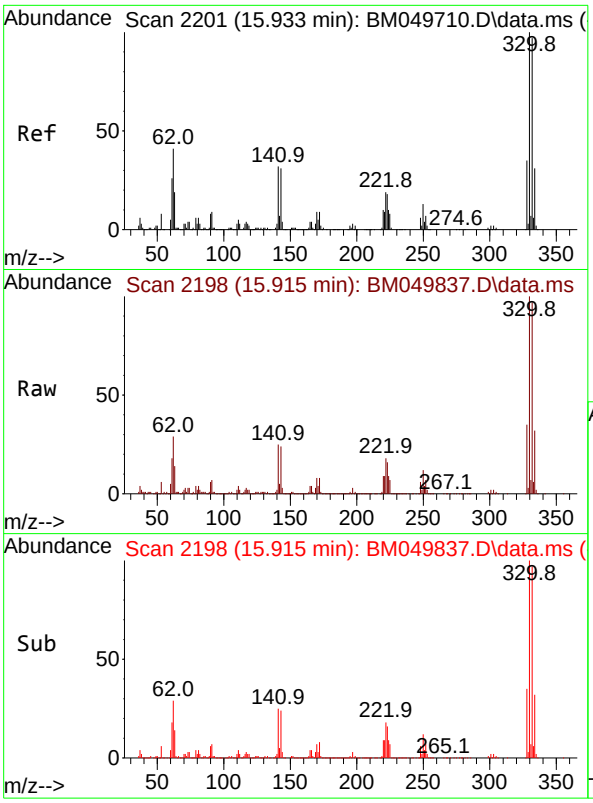


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:164 Resp: 890473

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.5	120.7
160	44.0	36.9	55.3



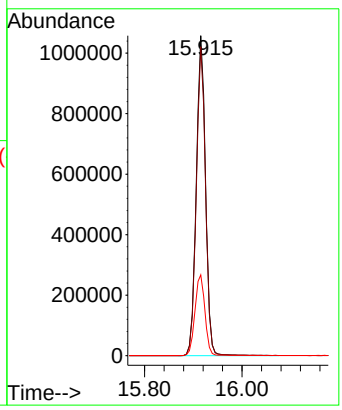


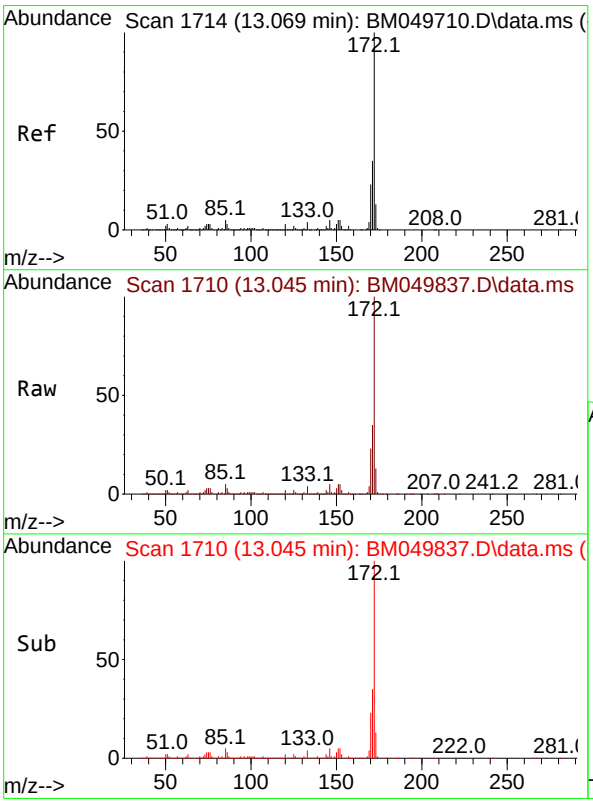
#42
2,4,6-Tribromophenol
Concen: 135.293 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:330 Resp: 1406785

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.4
141	27.0	27.8	41.6#

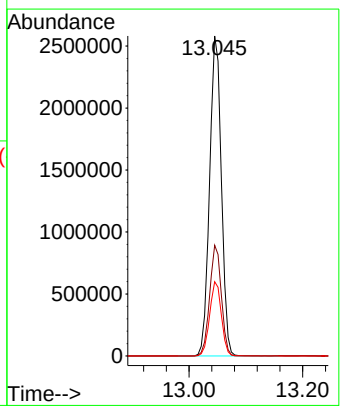


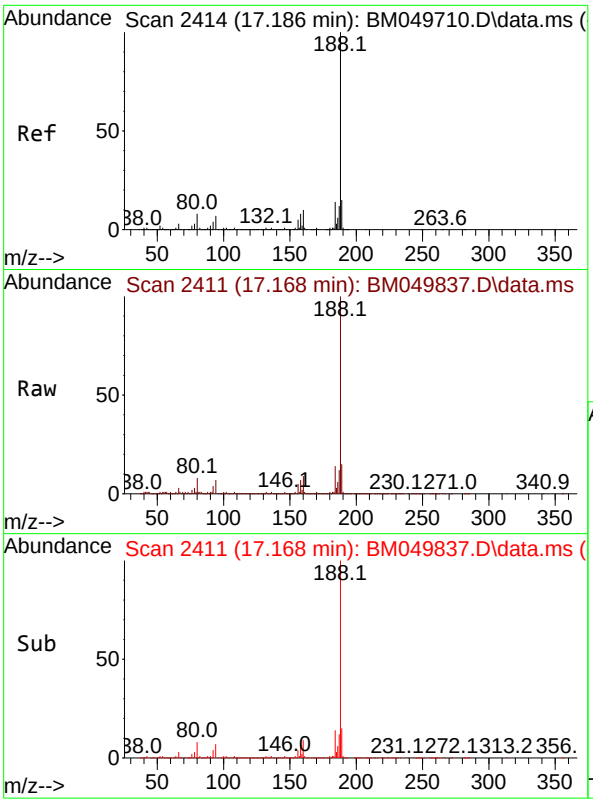


#45
2-Fluorobiphenyl
Concen: 51.828 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:172 Resp: 3685119

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.2	18.6	28.0



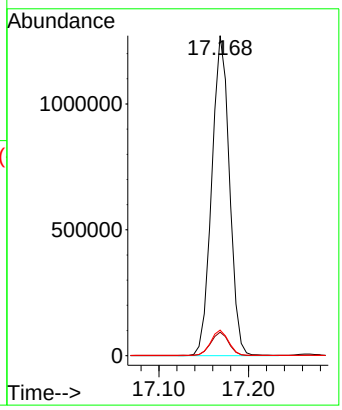


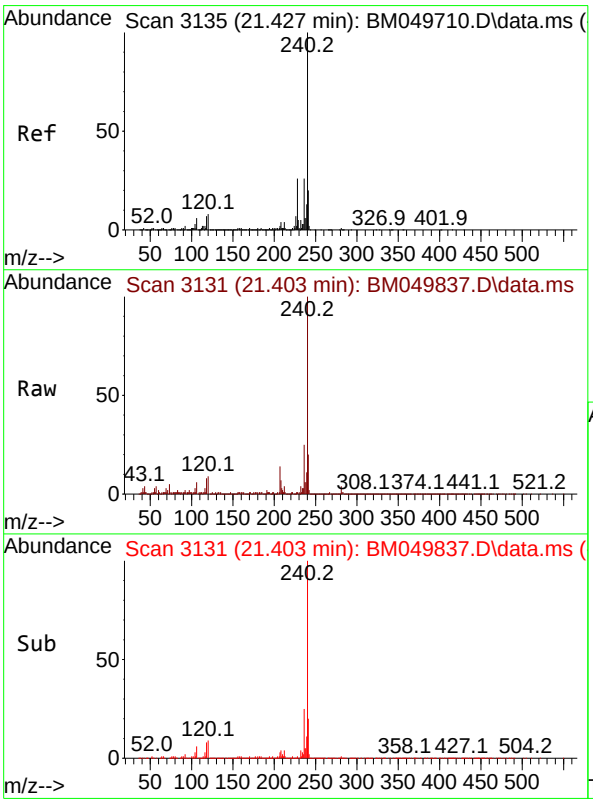
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:188 Resp: 1740086

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	8.0	6.3	9.5

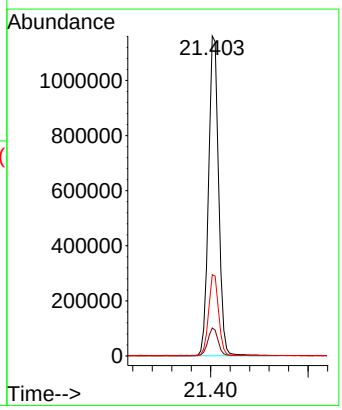


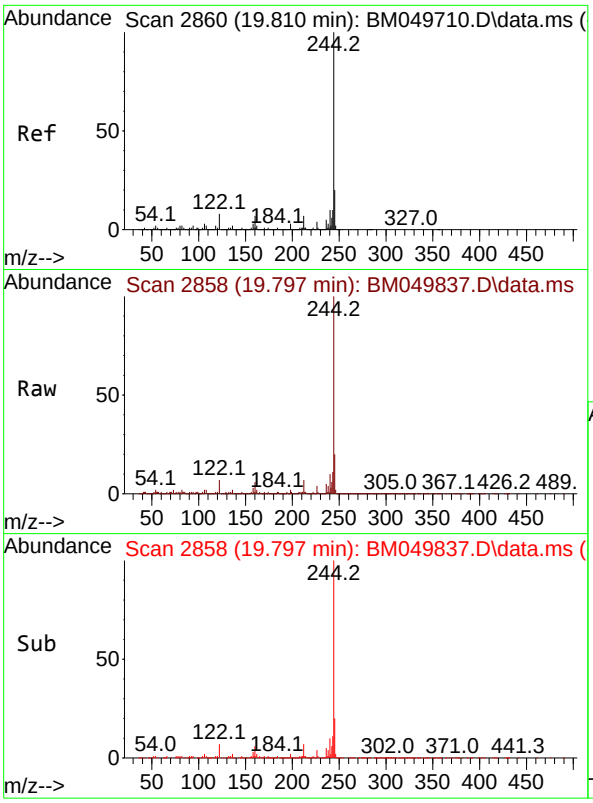


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:240 Resp: 1657124

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.4	20.7	31.1



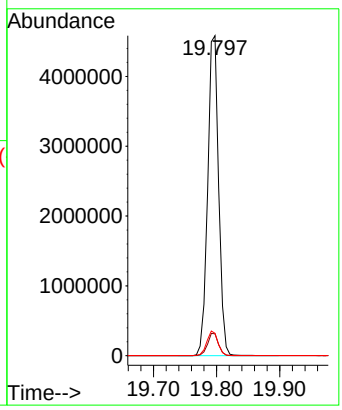


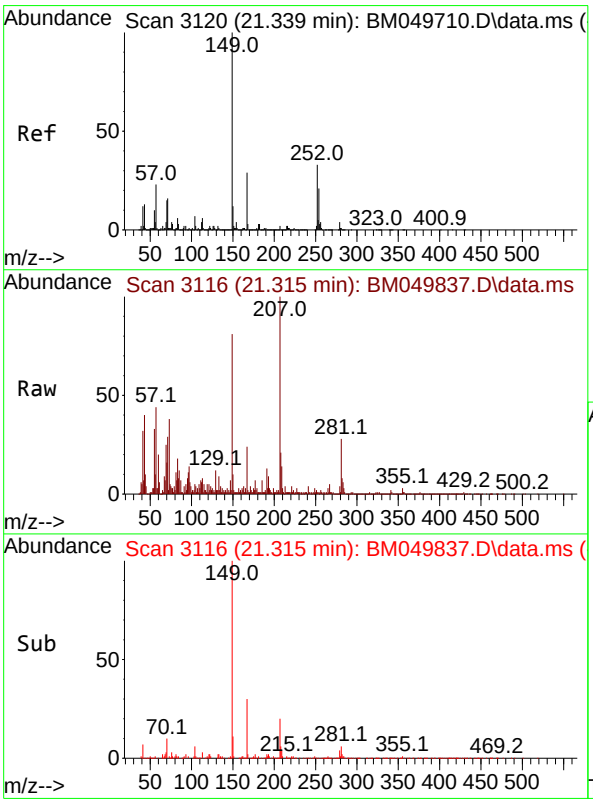
#79
Terphenyl-d14
Concen: 56.122 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:244 Resp: 5518910

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.0	6.0	9.0

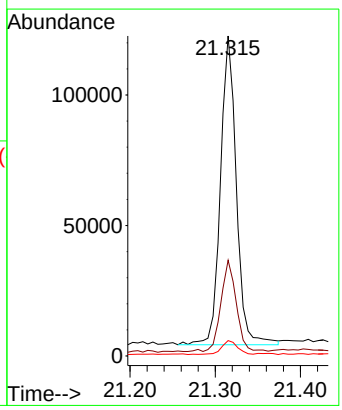


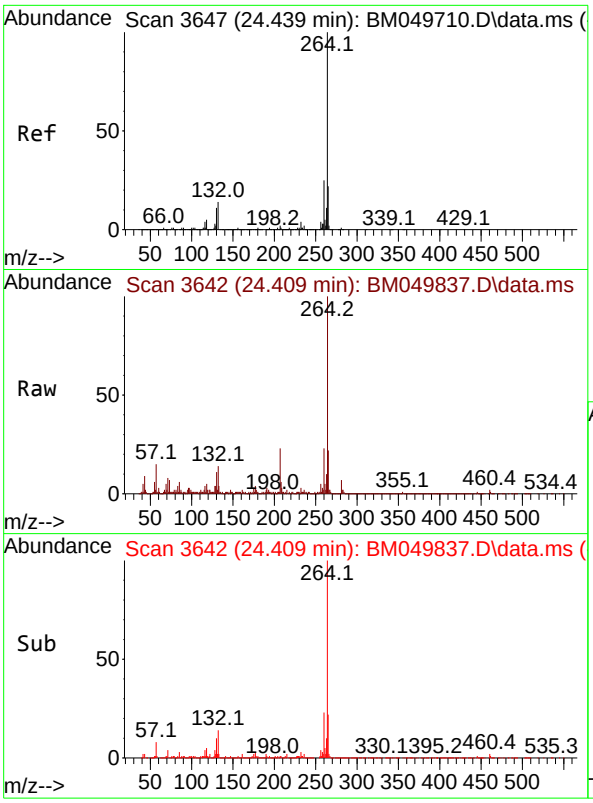


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.745 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:149 Resp: 153685

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.9	34.3
279	4.8	3.5	5.3



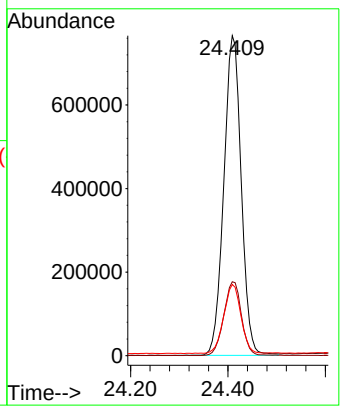


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:264 Resp: 1901763

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	22.3	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

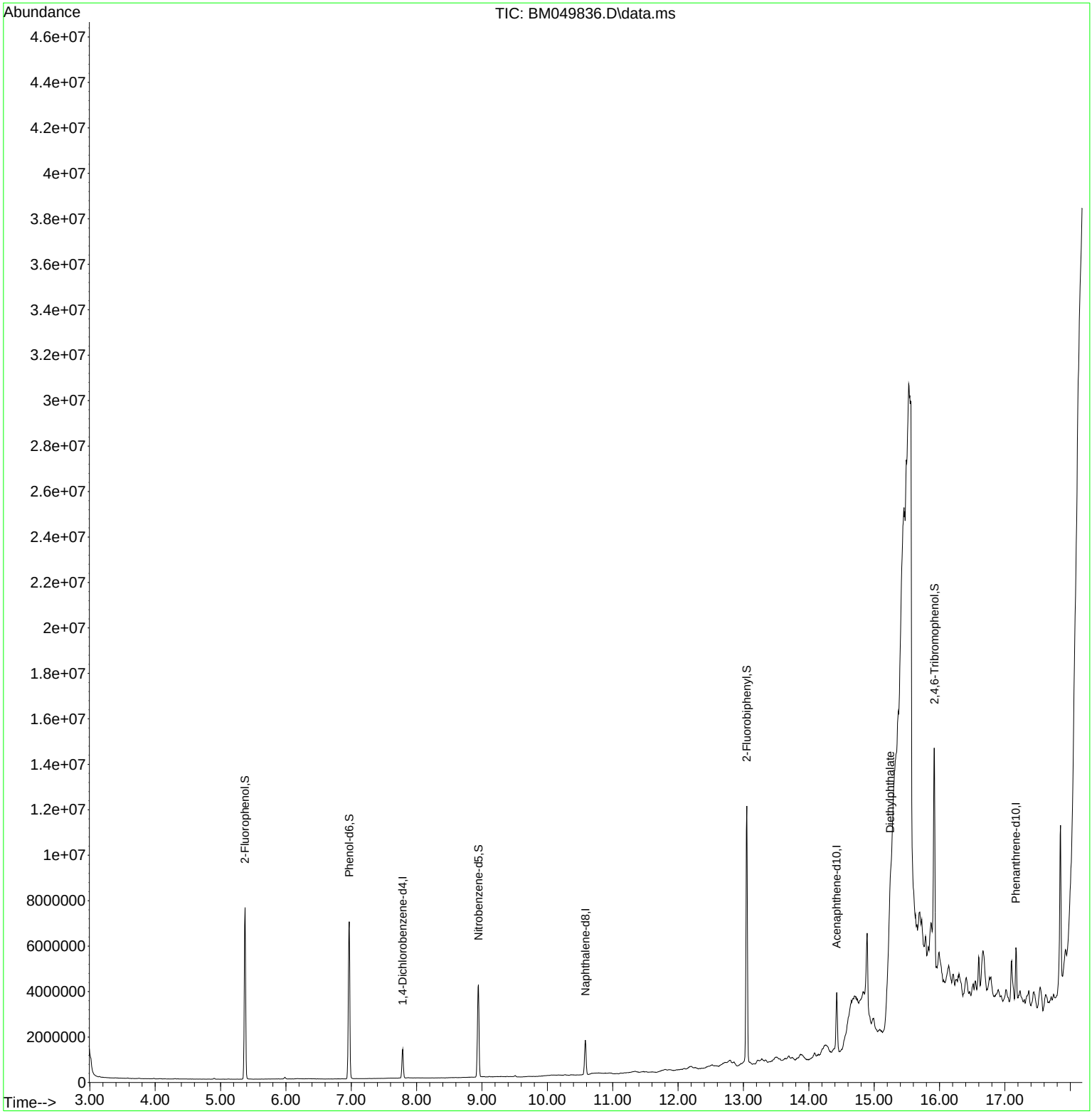
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	363599	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1272904	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	788938	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1589873	20.000	ng	-0.02
76) Chrysene-d12	21.409	240	1823026	20.000	ng	-0.02
86) Perylene-d12	24.415	264	1861603	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3364924	156.153	ng	-0.01
7) Phenol-d6	6.969	99	4105952	151.832	ng	-0.01
23) Nitrobenzene-d5	8.945	82	2393867	96.555	ng	-0.02
42) 2,4,6-Tribromophenol	15.922	330	2402066	260.742	ng	-0.01
45) 2-Fluorobiphenyl	13.051	172	6079965	96.515	ng	-0.02
79) Terphenyl-d14	19.804	244	9616381	88.889	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	15.245	149	540955	10.574	ng	95
84) Bis(2-ethylhexyl)phtha...	21.321	149	202063	3.280	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

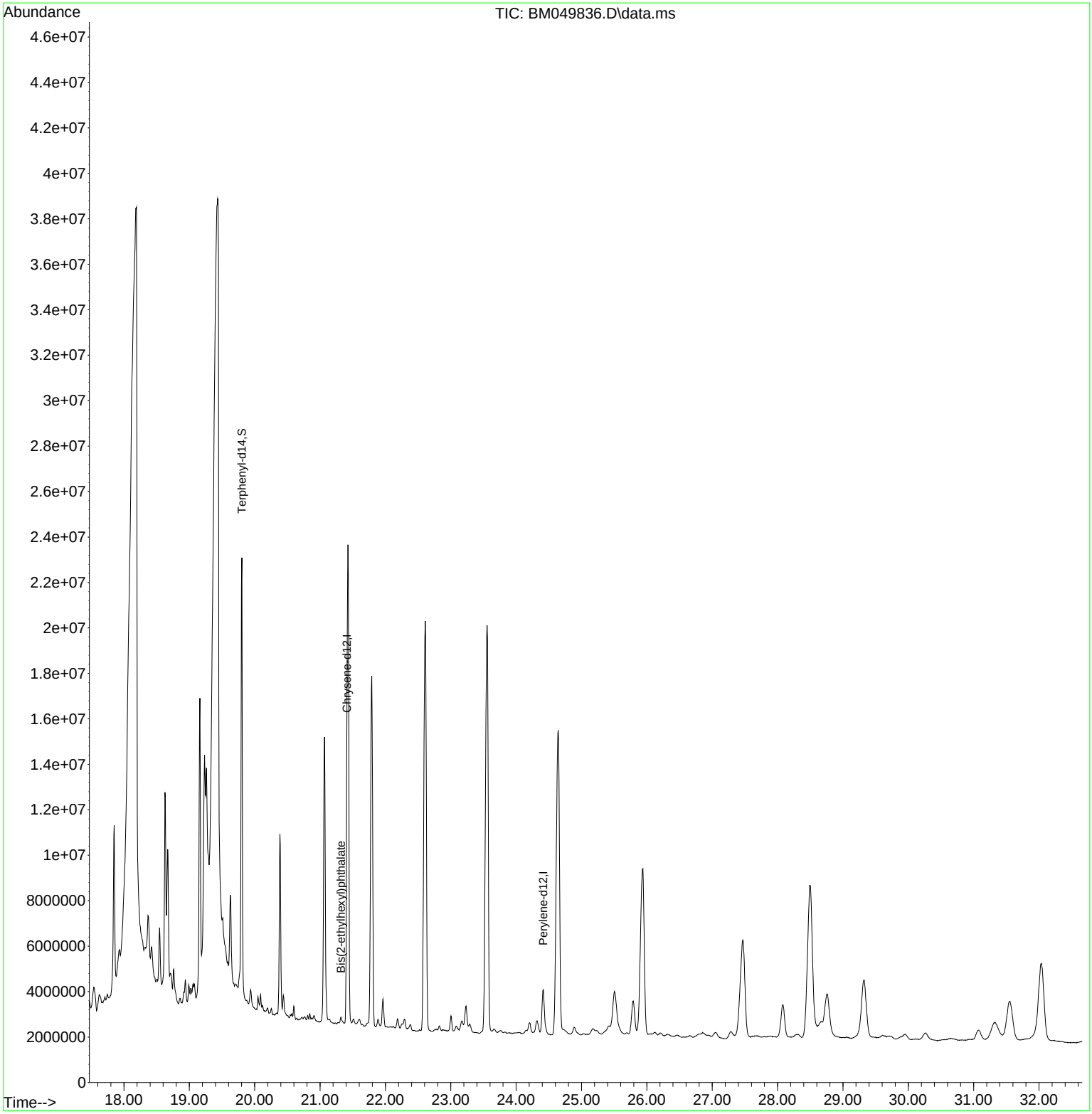
Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

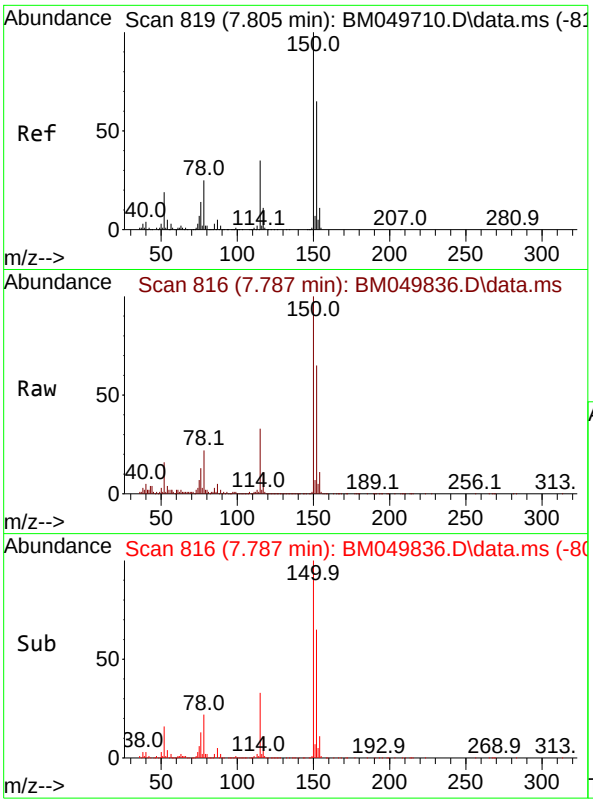


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



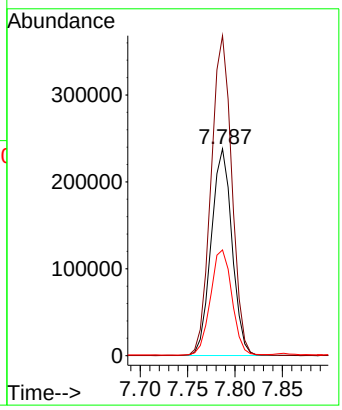


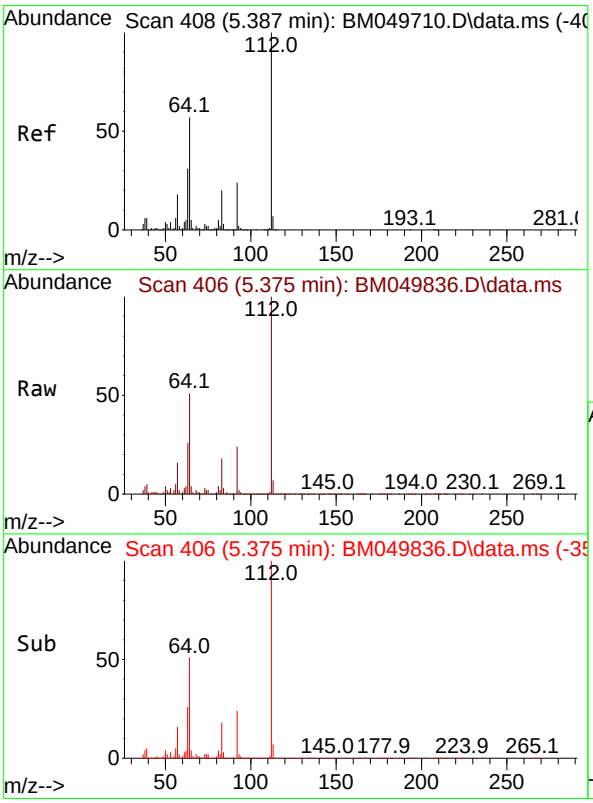
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:152 Resp: 363599

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	51.1	43.0	64.6

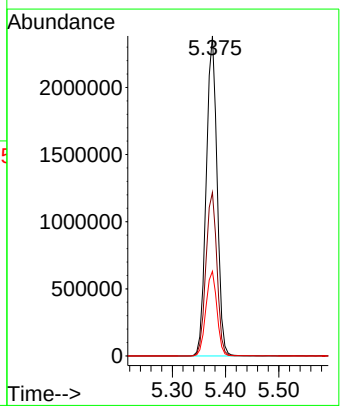


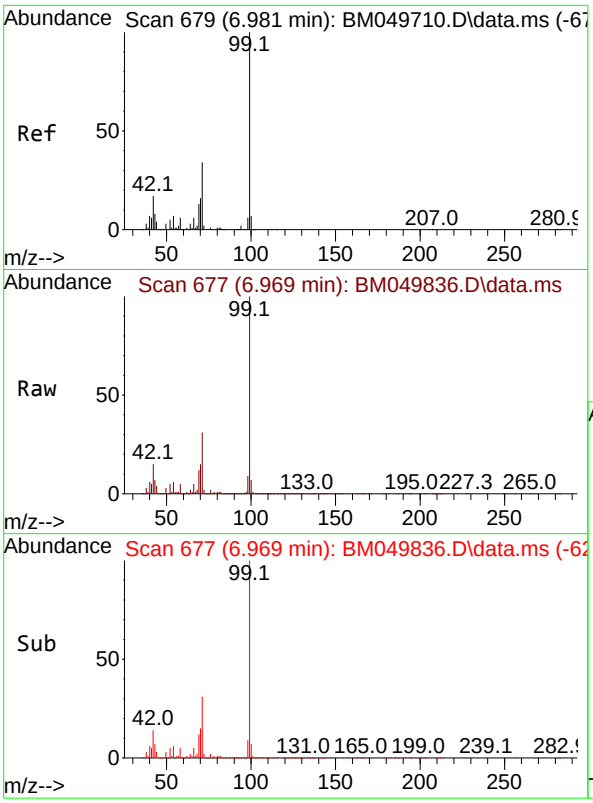


#5
2-Fluorophenol
Concen: 156.153 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.012 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:112 Resp: 3364924

Ion	Ratio	Lower	Upper
112	100		
64	51.1	45.3	67.9
63	26.5	24.4	36.6



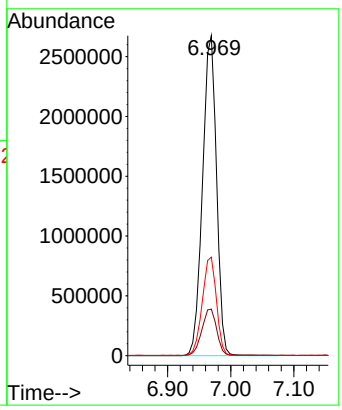


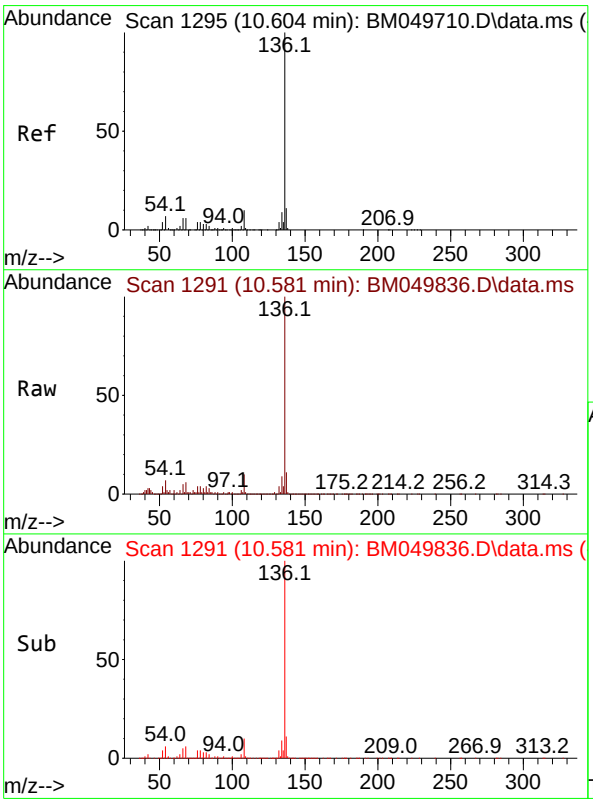
#7
Phenol-d6
Concen: 151.832 ng
RT: 6.969 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion: 99 Resp: 4105952

Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.6	20.4
71	30.8	27.0	40.6

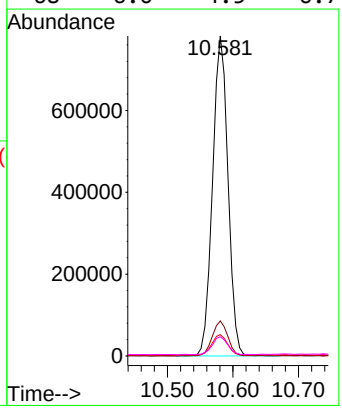


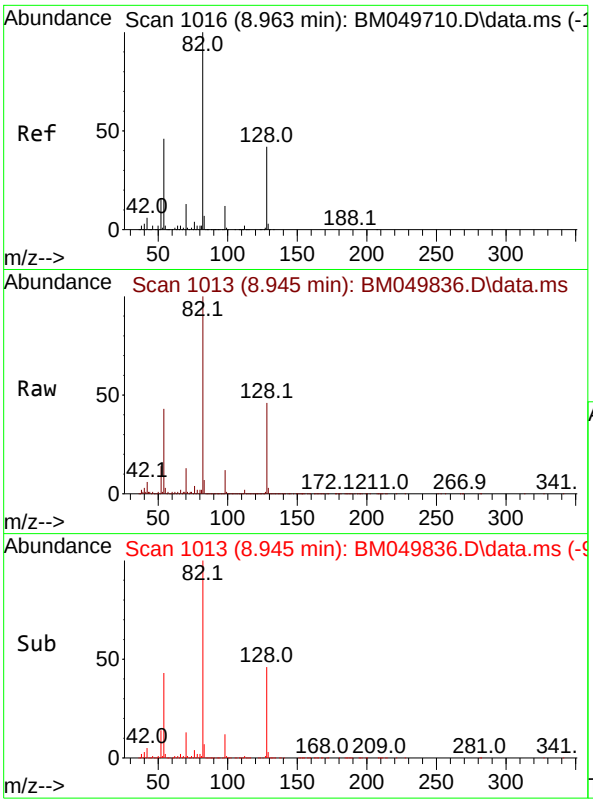


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:136 Resp: 1272904

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.7	5.8	8.8
68	6.0	4.5	6.7



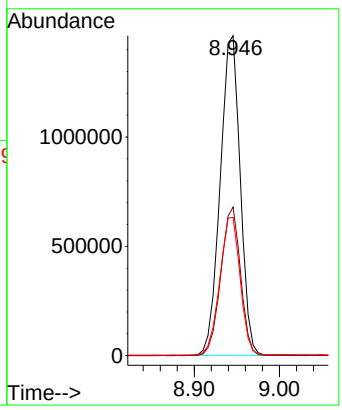


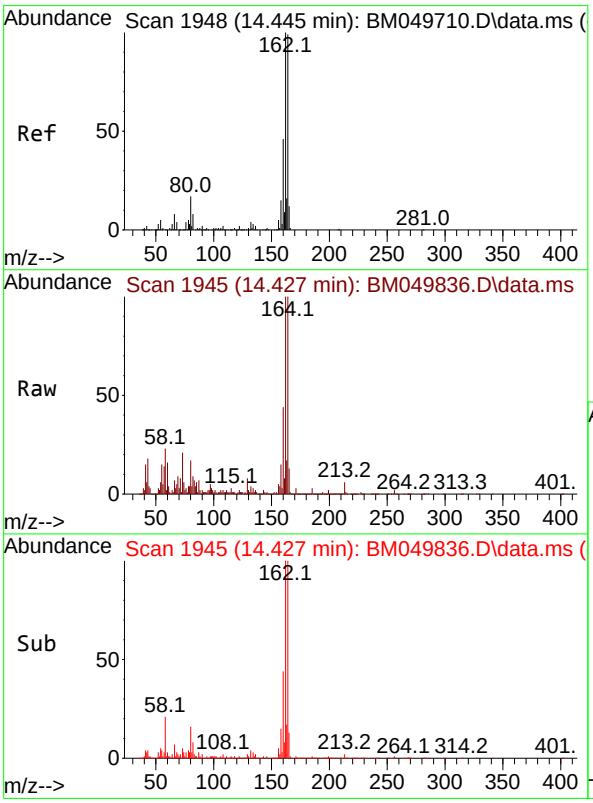
#23
Nitrobenzene-d5
Concen: 96.555 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion: 82 Resp: 2393867

Ion	Ratio	Lower	Upper
82	100		
128	46.4	33.4	50.0
54	43.2	36.4	54.6

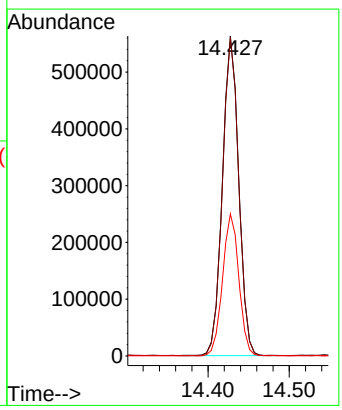


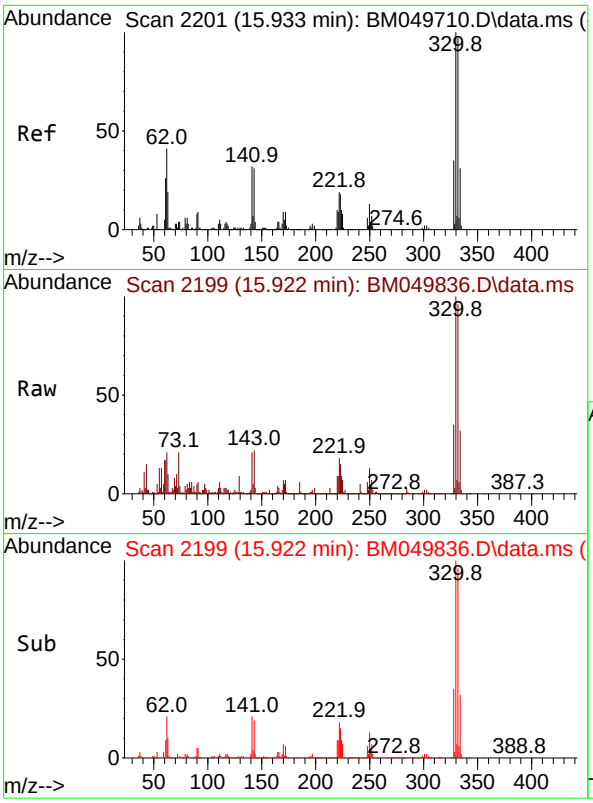


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:164 Resp: 788938

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.5	120.7
160	44.4	36.9	55.3



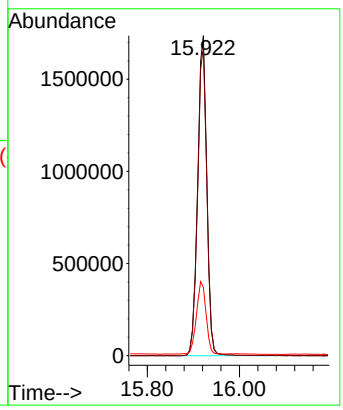


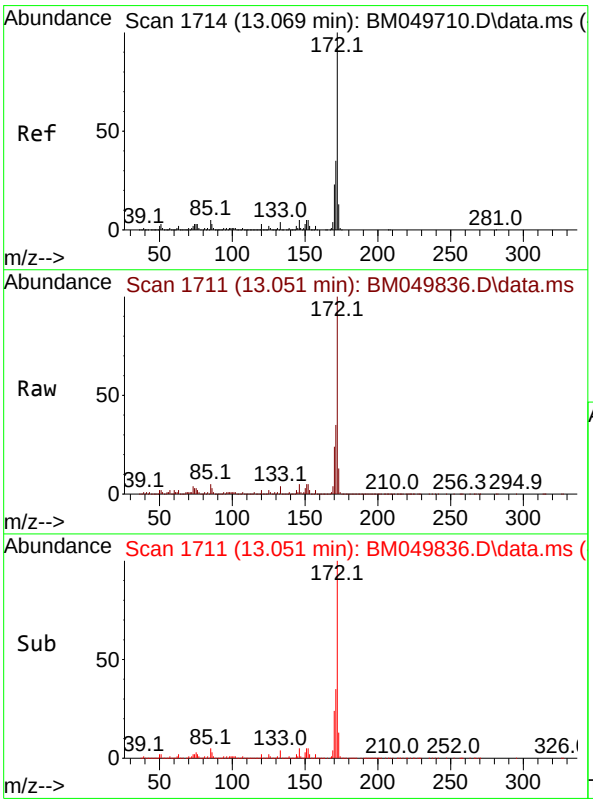
#42
2,4,6-Tribromophenol
Concen: 260.742 ng
RT: 15.922 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:330 Resp: 2402066

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.4
141	23.5	27.8	41.6#

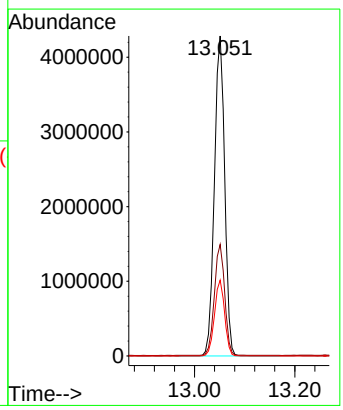


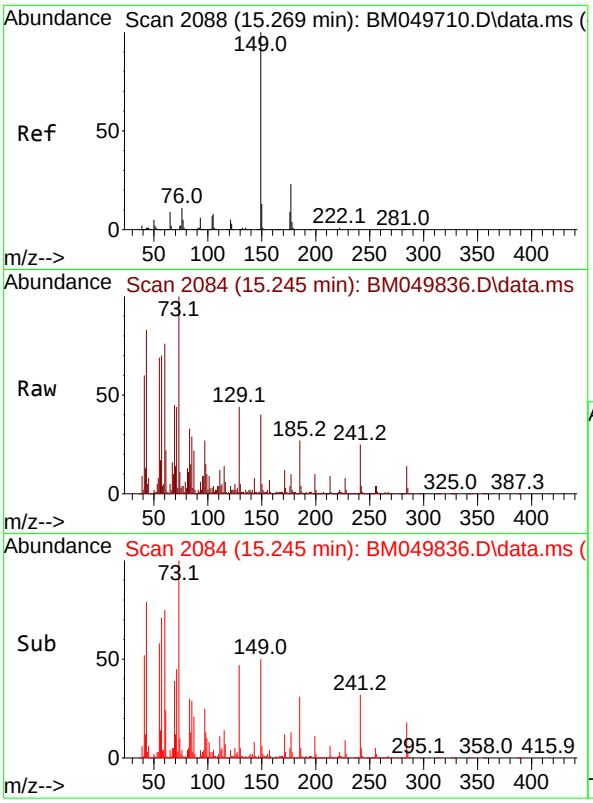


#45
2-Fluorobiphenyl
Concen: 96.515 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:172 Resp: 6079965

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.7	18.6	28.0



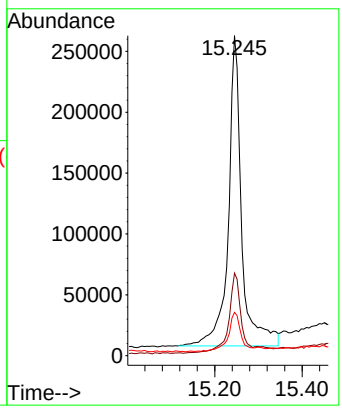


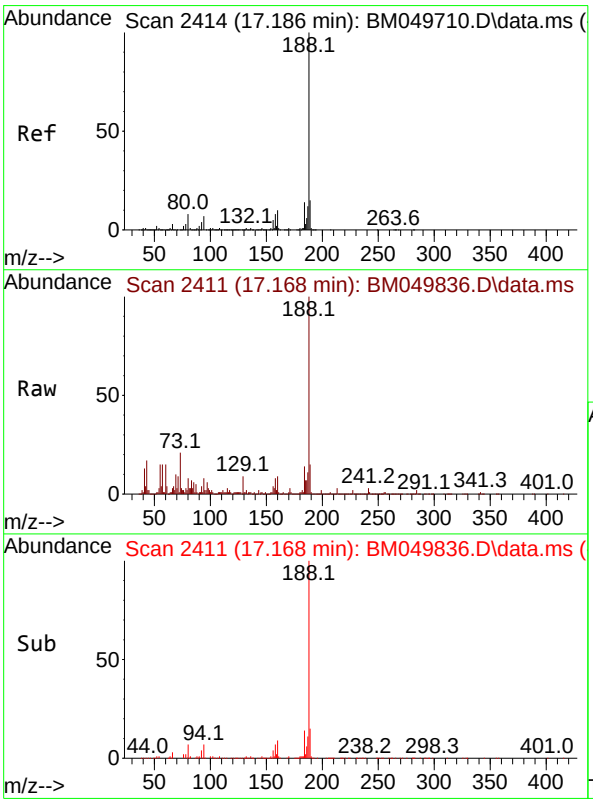
#60
Diethylphthalate
Concen: 10.574 ng
RT: 15.245 min Scan# 2
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:149 Resp: 540955

Ion	Ratio	Lower	Upper
149	100		
177	25.8	18.2	27.2
150	13.6	10.0	15.0

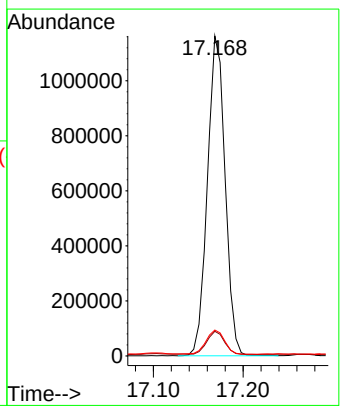


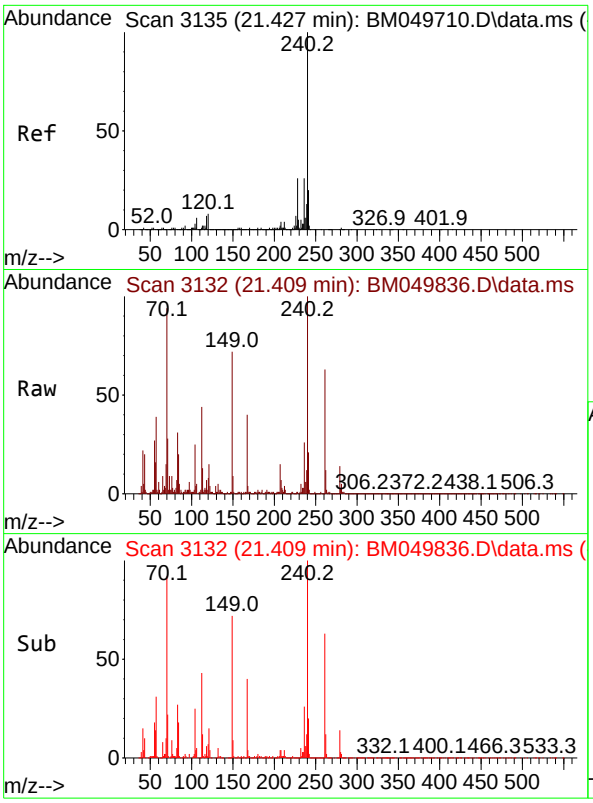


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:188 Resp: 1589873

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.8	8.6
80	8.1	6.3	9.5



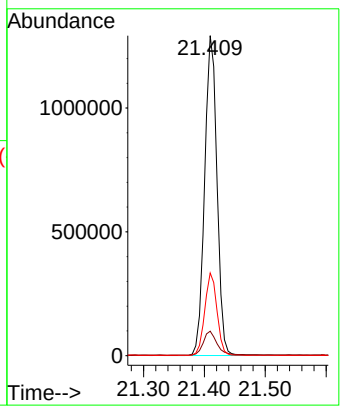


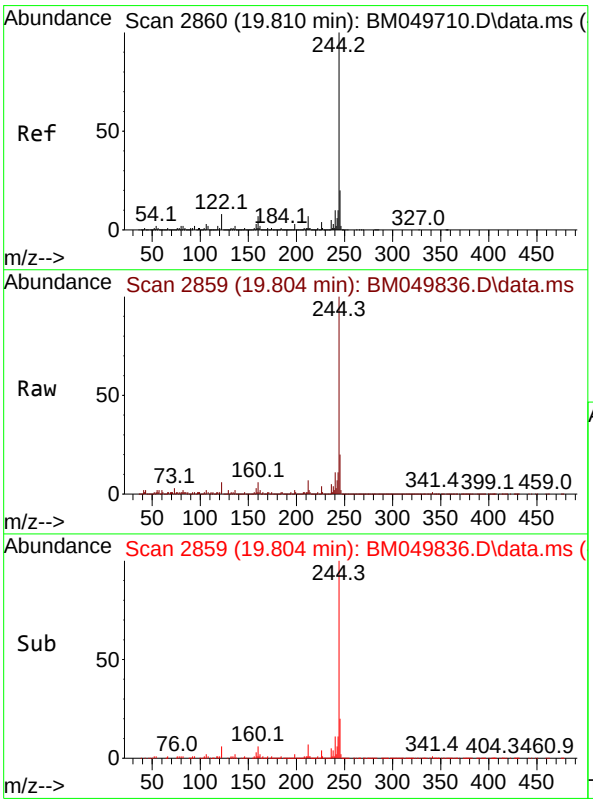
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:240 Resp: 1823026

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.8	20.7	31.1

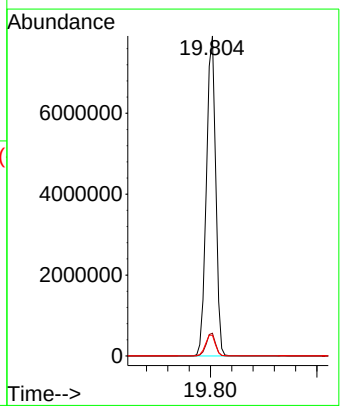


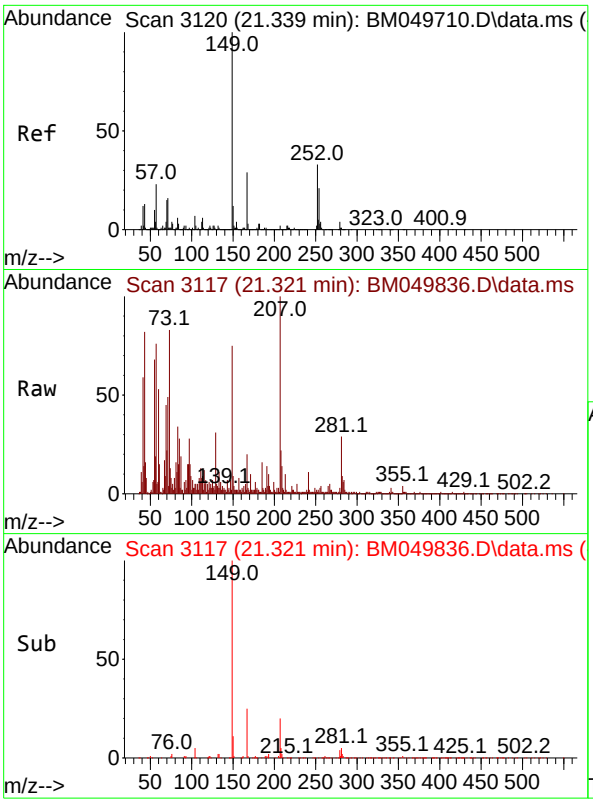


#79
Terphenyl-d14
Concen: 88.889 ng
RT: 19.804 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:244 Resp: 9616381

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.5	6.0	9.0



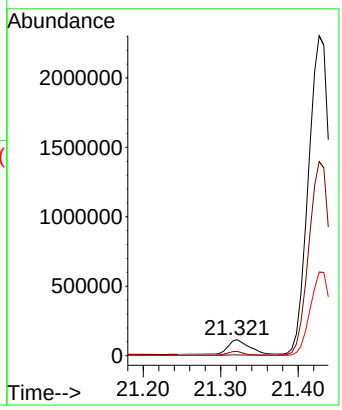


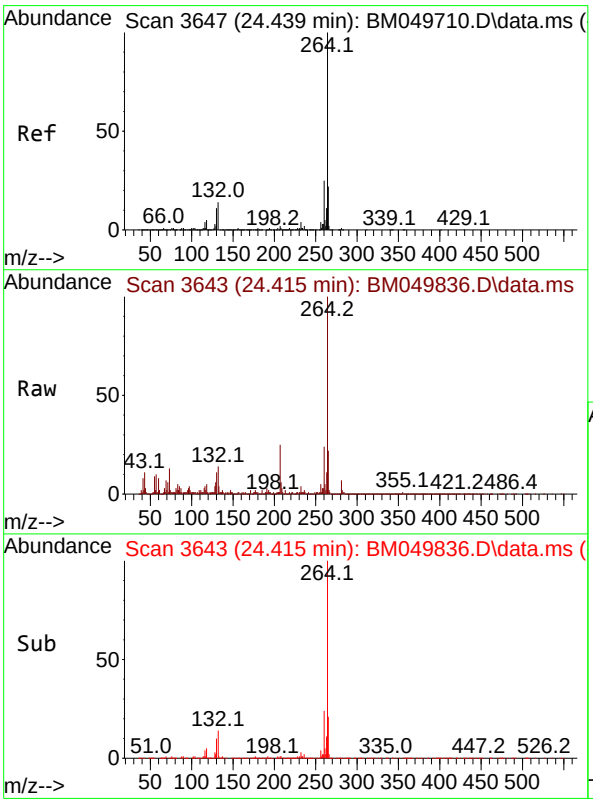
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.280 ng
RT: 21.321 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:149 Resp: 202063

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.9	34.3
279	4.5	3.5	5.3

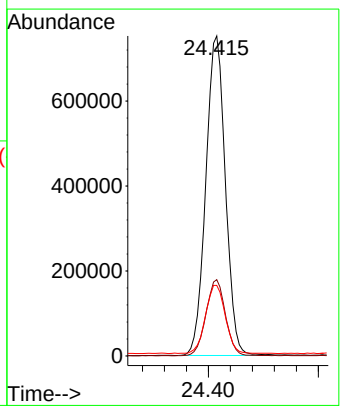




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 3643
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:264 Resp: 1861603

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.0	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

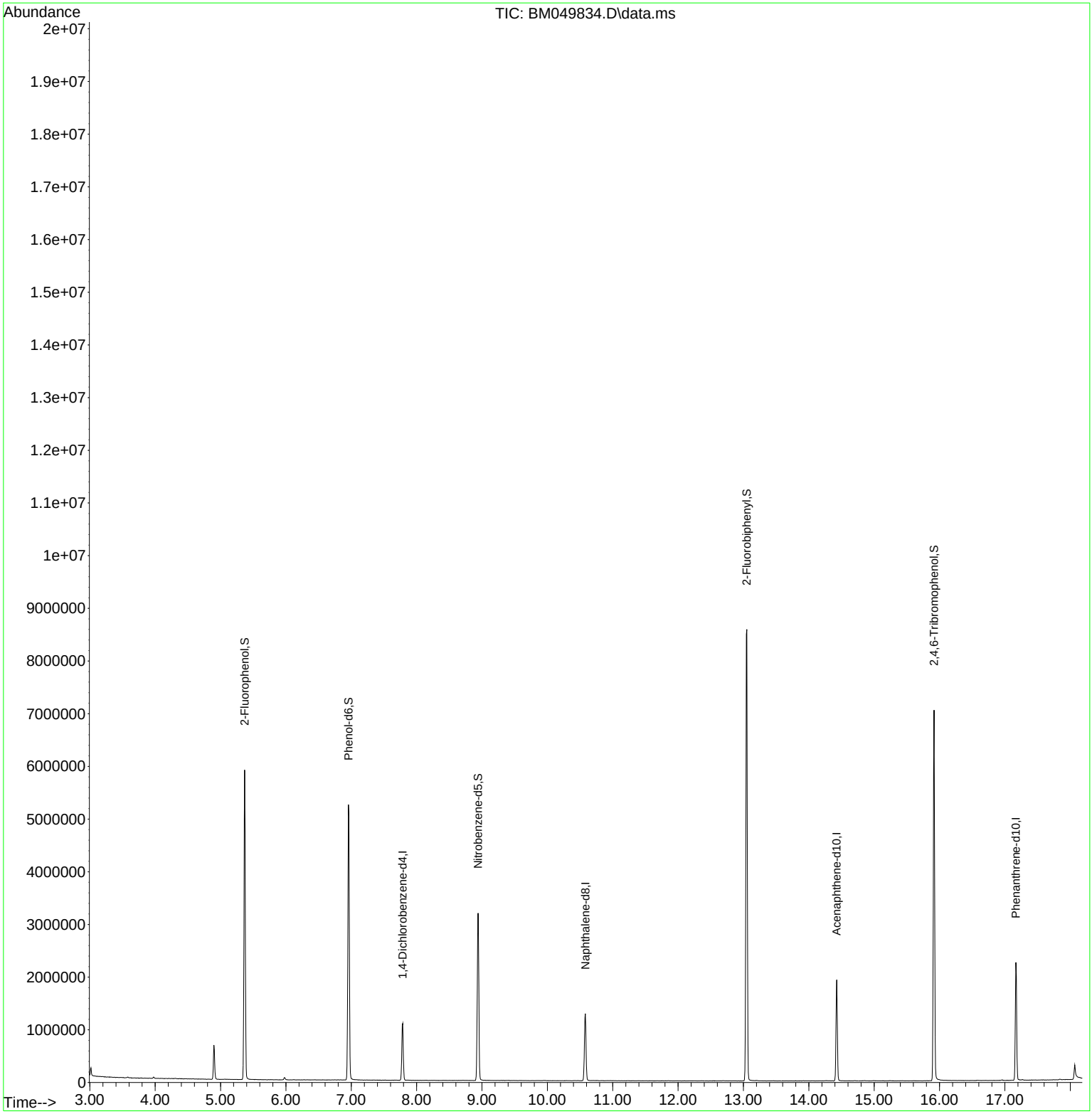
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	317785	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1088351	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	684928	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1337160	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1275922	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1458537	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2552711	135.540	ng	-0.02
7) Phenol-d6	6.957	99	3081086	130.360	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1830612	86.357	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1396852	174.652	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	4727924	86.449	ng	-0.02
79) Terphenyl-d14	19.797	244	7746331	102.306	ng	-0.01
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

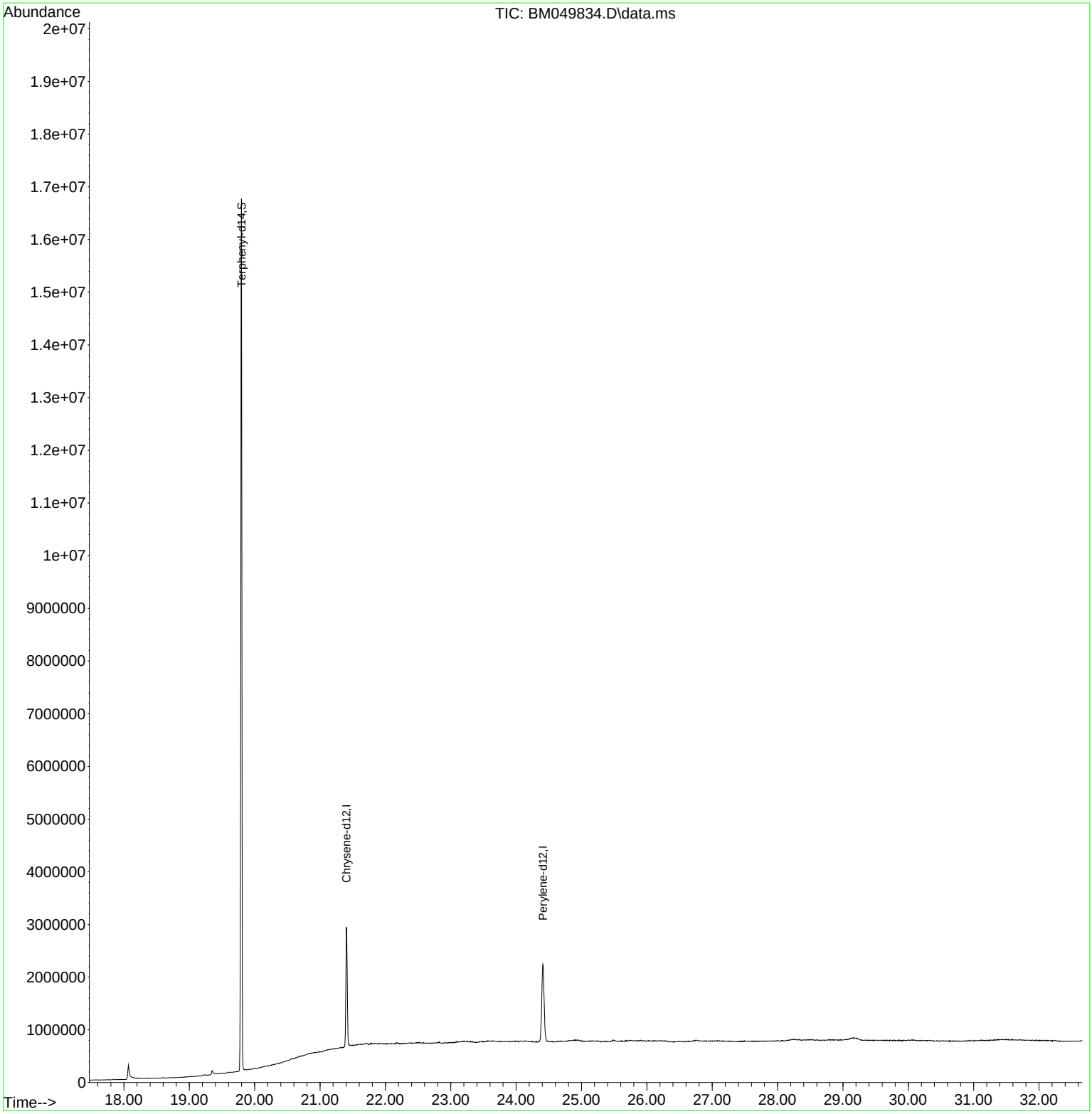
Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

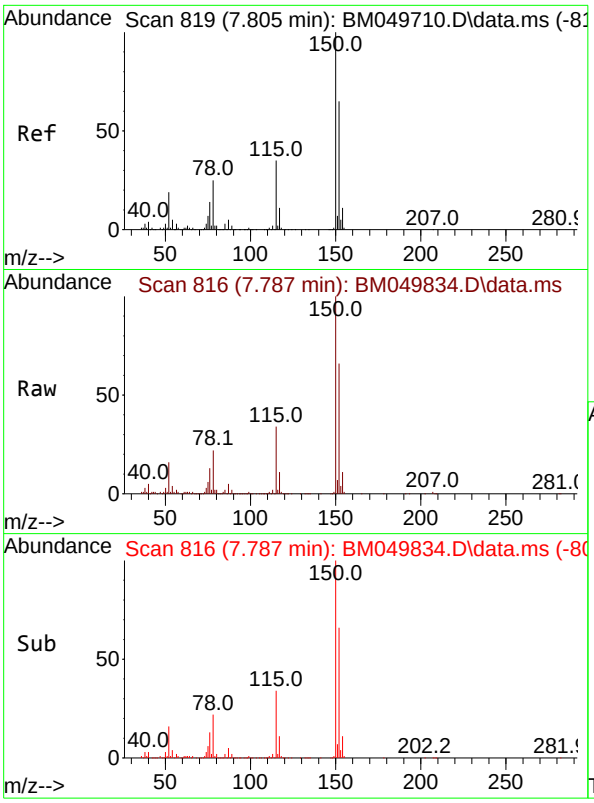


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



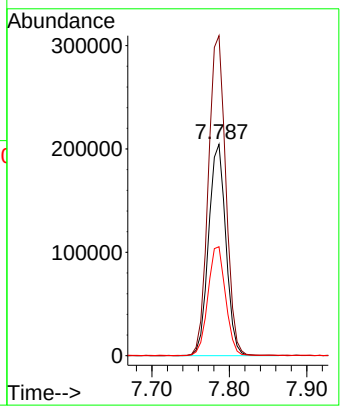


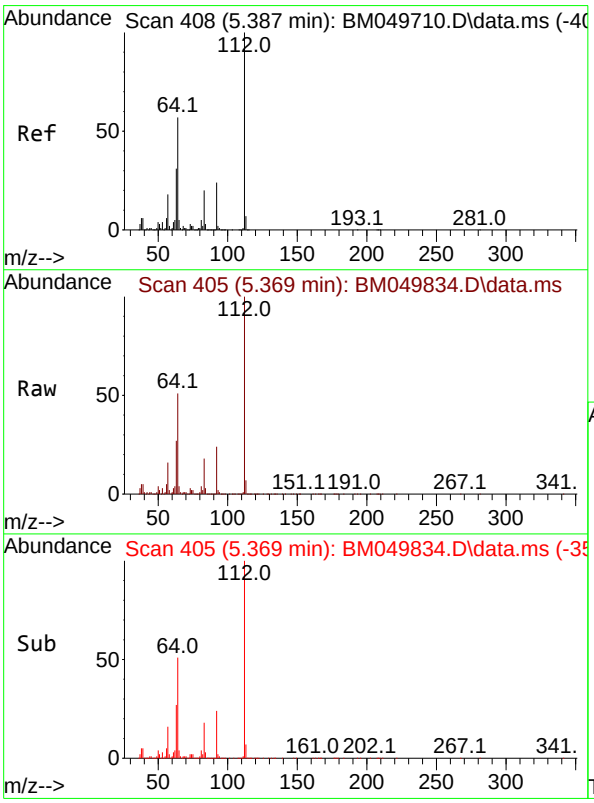
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:152 Resp: 317785

Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.8	185.8
115	51.6	43.0	64.6

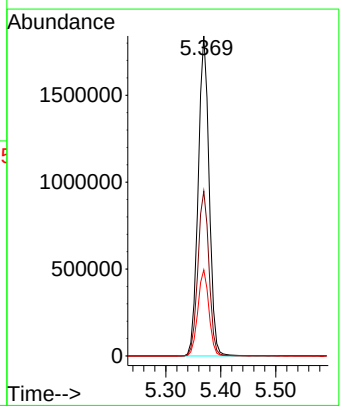


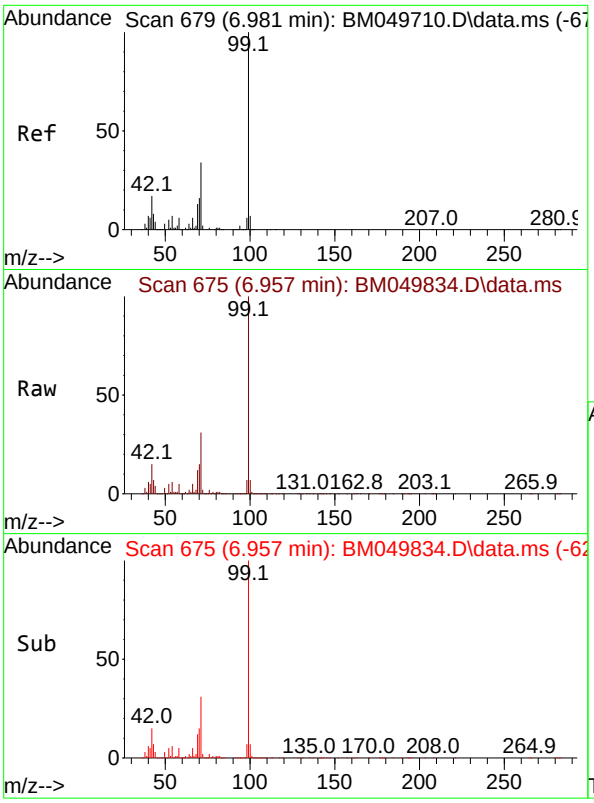


#5
2-Fluorophenol
Concen: 135.540 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:112 Resp: 2552711

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.9	24.4	36.6



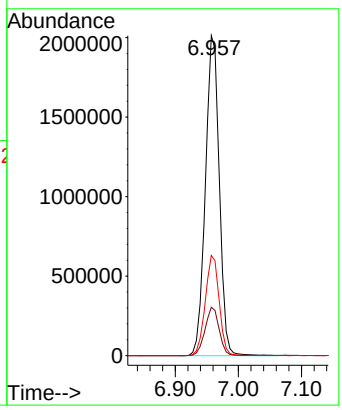


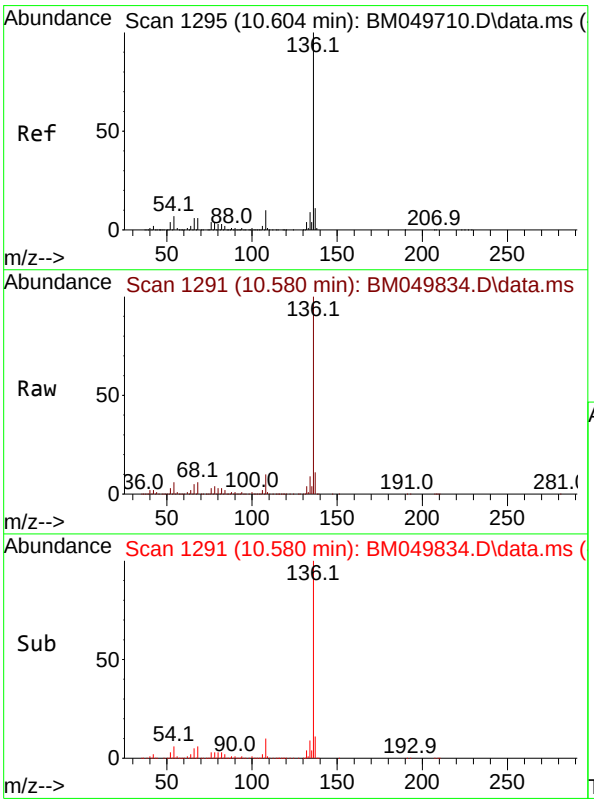
#7
Phenol-d6
Concen: 130.360 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion: 99 Resp: 3081086

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.6	20.4
71	31.3	27.0	40.6

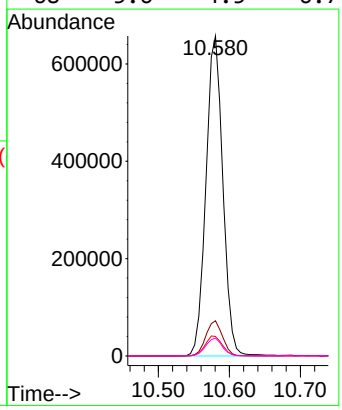


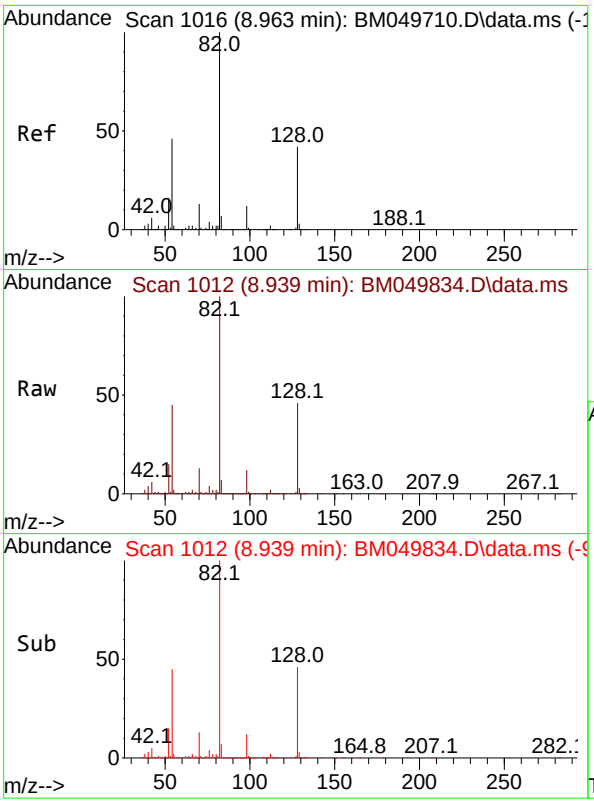


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:136 Resp: 1088351

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.1	5.8	8.8
68	5.6	4.5	6.7



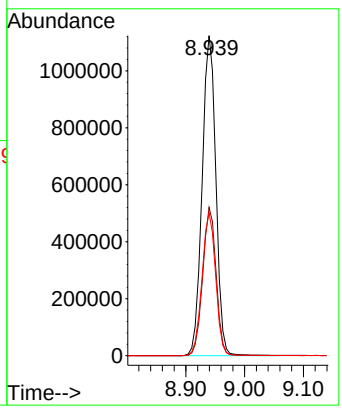


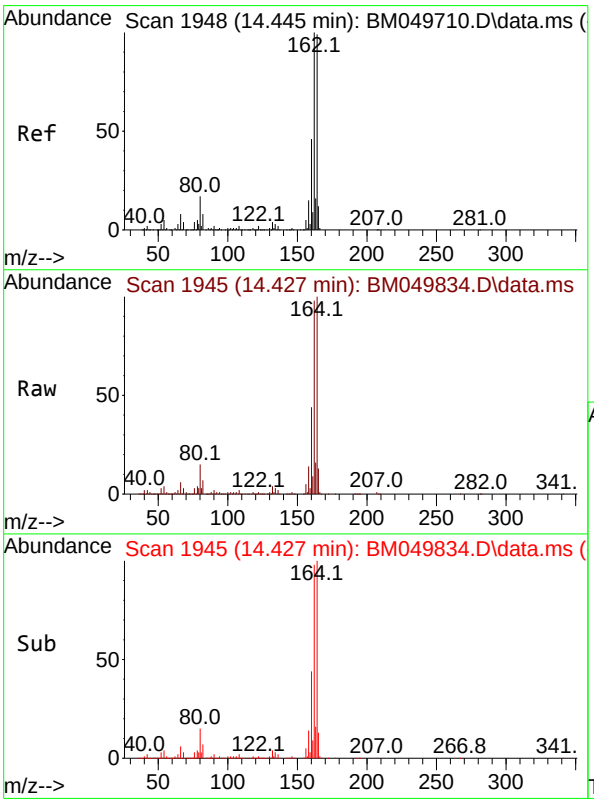
#23
Nitrobenzene-d5
Concen: 86.357 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion: 82 Resp: 1830612

Ion	Ratio	Lower	Upper
82	100		
128	46.4	33.4	50.0
54	44.6	36.4	54.6

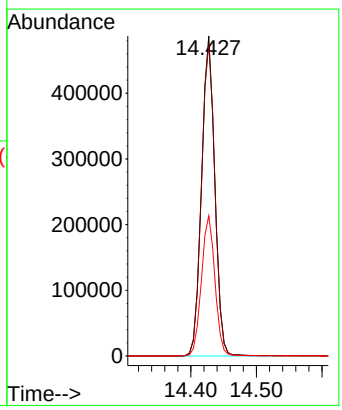


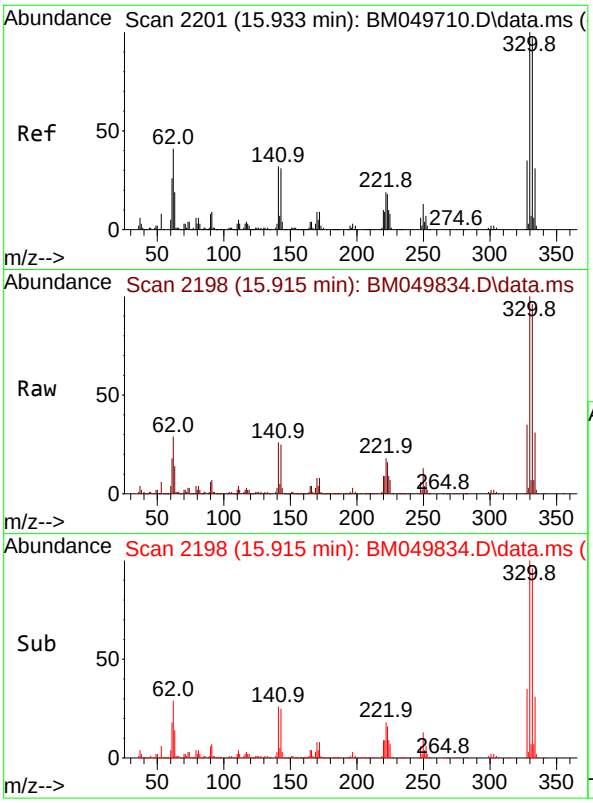


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:164 Resp: 684928

Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.5	120.7
160	43.8	36.9	55.3



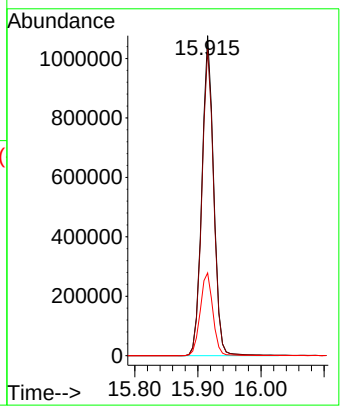


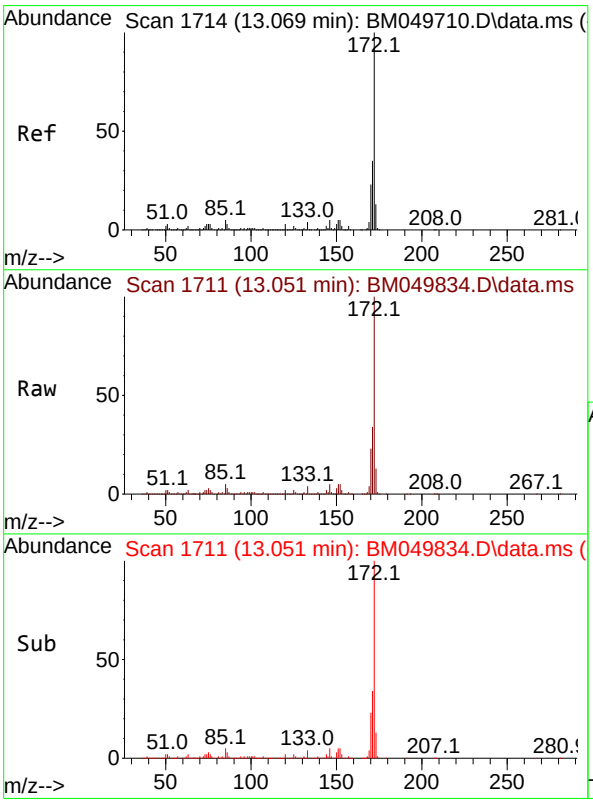
#42
2,4,6-Tribromophenol
Concen: 174.652 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:330 Resp: 1396852

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.4
141	27.8	27.8	41.6

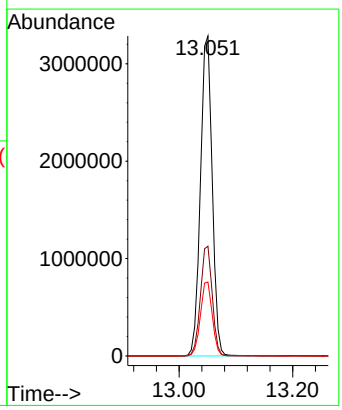


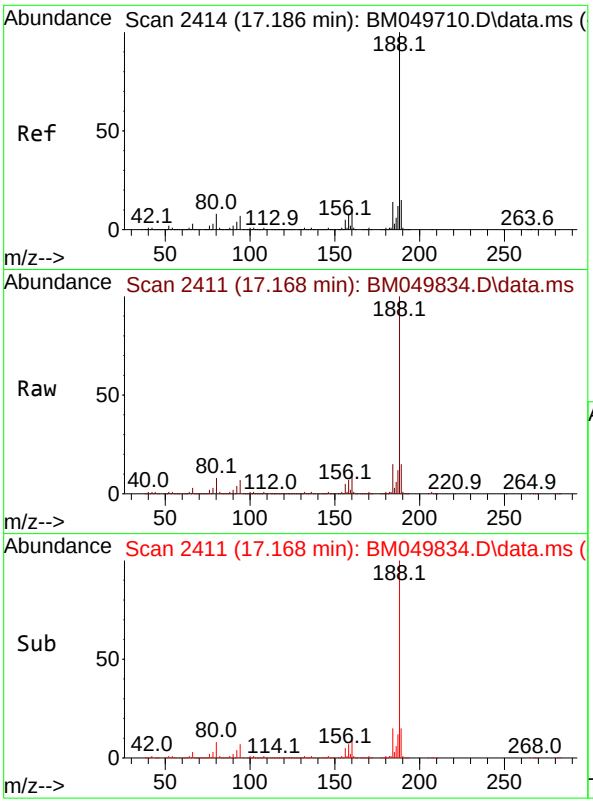


#45
2-Fluorobiphenyl
Concen: 86.449 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:172 Resp: 4727924

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.1	18.6	28.0



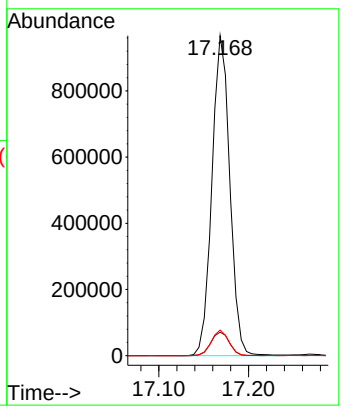


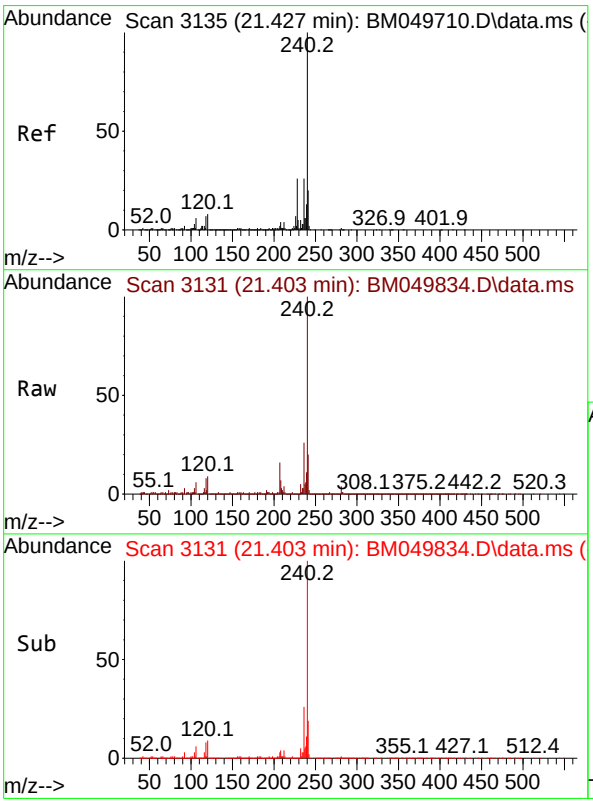
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:188 Resp: 1337160

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	8.0	6.3	9.5

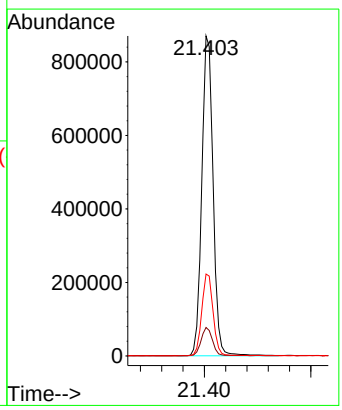


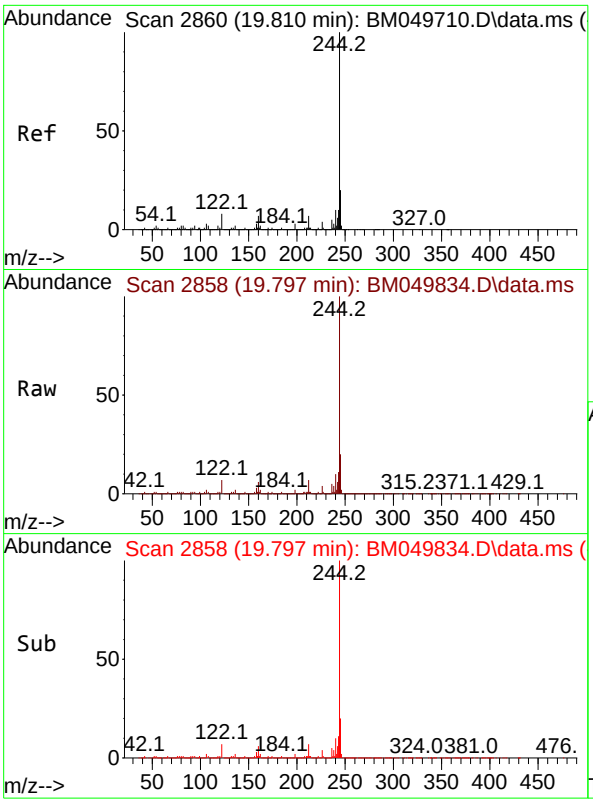


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:240 Resp: 1275922

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.6	20.7	31.1



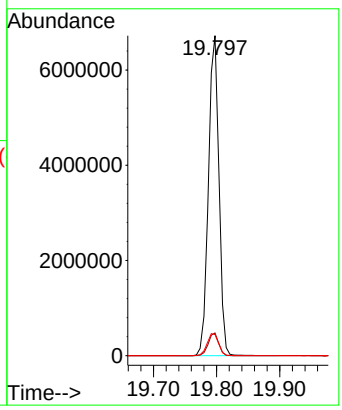


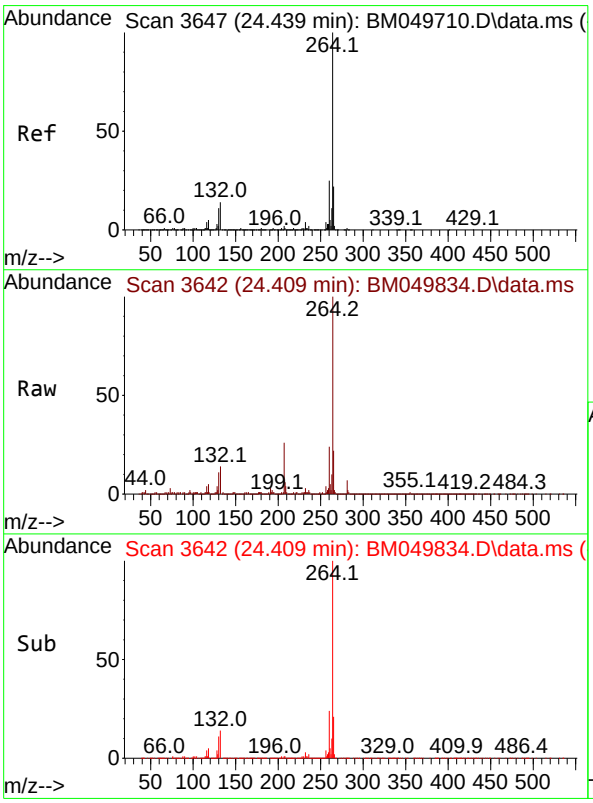
#79
Terphenyl-d14
Concen: 102.306 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:244 Resp: 7746331

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.6	6.0	9.0

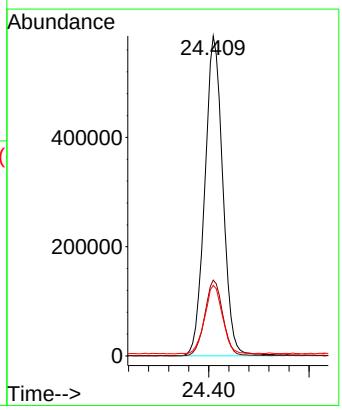




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:264 Resp: 1458537

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.0	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	302641	20.000	ng		-0.02
21) Naphthalene-d8	10.580	136	1057941	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	655262	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1274582	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1227514	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1340439	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	2603223	145.138	ng		-0.02
7) Phenol-d6	6.963	99	3170979	140.877	ng		-0.02
23) Nitrobenzene-d5	8.939	82	1848286	89.697	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	1440540	188.269	ng		-0.02
45) 2-Fluorobiphenyl	13.051	172	4794312	91.632	ng		-0.02
79) Terphenyl-d14	19.792	244	7449014	102.259	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	310954	40.048	ng		97
3) Pyridine	3.663	79	866549	43.700	ng		98
4) n-Nitrosodimethylamine	3.569	42	361709	41.226	ng		88
6) Aniline	7.110	93	970965	51.489	ng		97
8) 2-Chlorophenol	7.351	128	960731	54.090	ng		97
9) Benzaldehyde	6.922	77	531809	47.792	ng		98
10) Phenol	6.987	94	1135143	52.010	ng		94
11) bis(2-Chloroethyl)ether	7.204	93	889584	50.333	ng		98
12) 1,3-Dichlorobenzene	7.675	146	1117467	51.770	ng		98
13) 1,4-Dichlorobenzene	7.822	146	1123597	51.598	ng		97
14) 1,2-Dichlorobenzene	8.139	146	1077518	52.066	ng		98
15) Benzyl Alcohol	8.022	79	764536	54.125	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1026287m	49.406	ng		
17) 2-Methylphenol	8.234	107	733756	56.627	ng		96
18) Hexachloroethane	8.863	117	392683	51.064	ng		92
19) n-Nitroso-di-n-propyla...	8.592	70	642257	49.208	ng		97
20) 3+4-Methylphenols	8.557	107	982039	56.553	ng		97
22) Acetophenone	8.604	105	1296521	47.529	ng	#	98
24) Nitrobenzene	8.981	77	926570	47.688	ng		95
25) Isophorone	9.510	82	1731740	54.737	ng		98
26) 2-Nitrophenol	9.692	139	494383	59.782	ng		95
27) 2,4-Dimethylphenol	9.757	122	825041	78.378	ng		95
28) bis(2-Chloroethoxy)met...	9.992	93	1102948	49.498	ng		100
29) 2,4-Dichlorophenol	10.233	162	931527	54.309	ng		98
30) 1,2,4-Trichlorobenzene	10.445	180	1064144	49.587	ng		99
31) Naphthalene	10.628	128	2653033	48.769	ng		100
32) Benzoic acid	9.898	122	573772	64.092	ng		96
33) 4-Chloroaniline	10.733	127	498642	26.858	ng		98
34) Hexachlorobutadiene	10.922	225	668135	50.433	ng		100
35) Caprolactam	11.522	113	252703	63.457	ng		88
36) 4-Chloro-3-methylphenol	11.874	107	803565	54.591	ng		97
37) 2-Methylnaphthalene	12.245	142	1727651	45.418	ng		99
38) 1-Methylnaphthalene	12.463	142	1816645	49.500	ng		99
40) 1,2,4,5-Tetrachloroben...	12.616	216	1188547	49.381	ng		99
41) Hexachlorocyclopentadiene	12.598	237	1735350	194.615	ng		98
43) 2,4,6-Trichlorophenol	12.857	196	763484	56.637	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

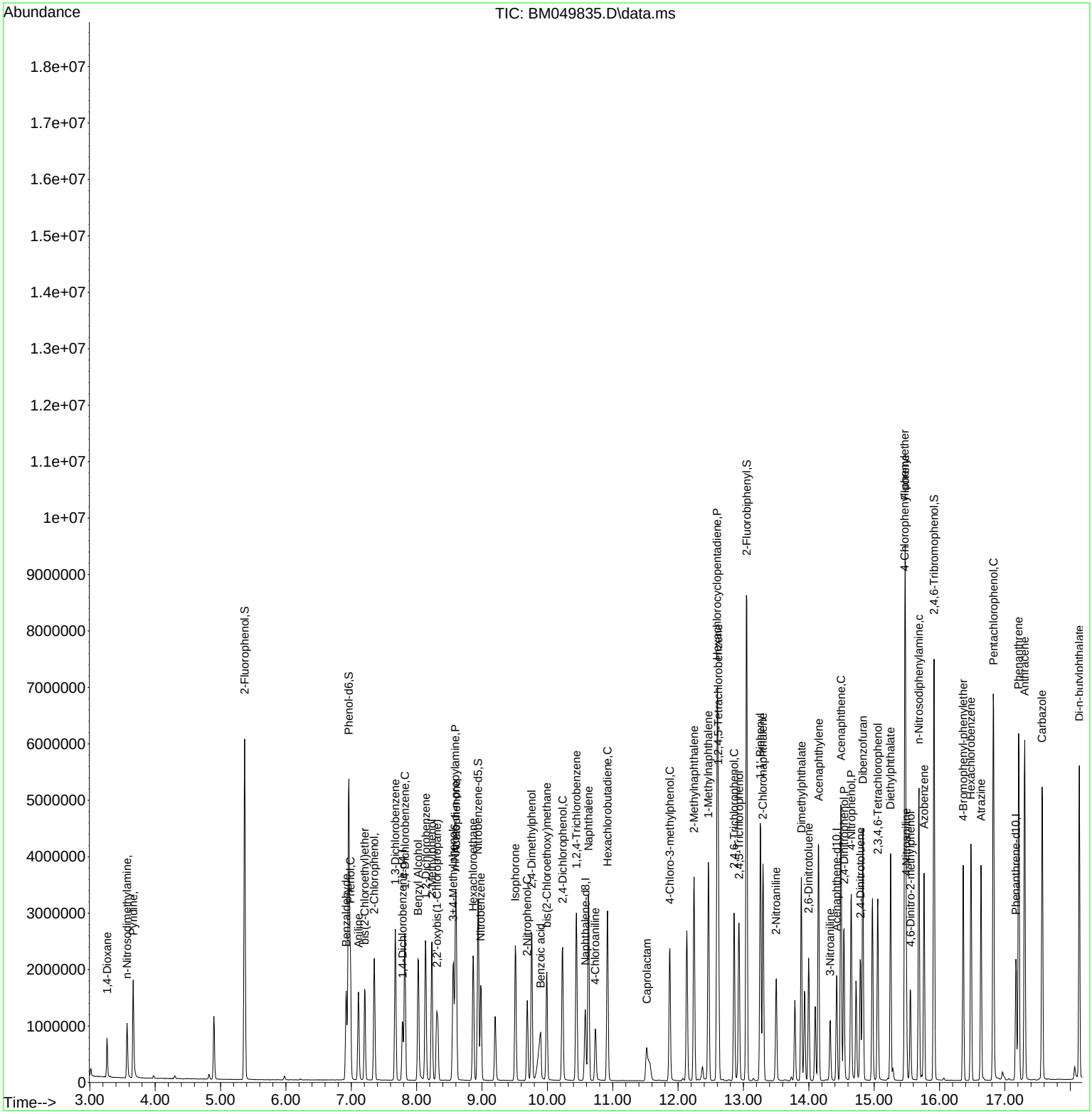
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	828758	56.338	ng		97
46) 1,1'-Biphenyl	13.257	154	2488311	49.272	ng		99
47) 2-Chloronaphthalene	13.298	162	1986776	50.543	ng		99
48) 2-Nitroaniline	13.498	65	474795	53.805	ng		92
49) Acenaphthylene	14.151	152	3078171	56.023	ng		100
50) Dimethylphthalate	13.886	163	2369811	52.529	ng		99
51) 2,6-Dinitrotoluene	13.998	165	512724	56.720	ng		90
52) Acenaphthene	14.492	154	1788612	49.628	ng		98
53) 3-Nitroaniline	14.327	138	292564	34.011	ng		95
54) 2,4-Dinitrophenol	14.539	184	670138	103.811	ng	#	88
55) Dibenzofuran	14.827	168	2910751	48.468	ng		98
56) 4-Nitrophenol	14.651	139	935144	124.890	ng		88
57) 2,4-Dinitrotoluene	14.792	165	714379	61.416	ng		89
58) Fluorene	15.474	166	2421737	49.529	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.057	232	700873	56.918	ng		98
60) Diethylphthalate	15.251	149	2223354	52.327	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	1309037	49.027	ng		97
62) 4-Nitroaniline	15.492	138	496912	48.508	ng		92
63) Azobenzene	15.762	77	1920304	47.315	ng		95
65) 4,6-Dinitro-2-methylph...	15.557	198	415746	57.020	ng		96
66) n-Nitrosodiphenylamine	15.686	169	2055011	53.215	ng		97
67) 4-Bromophenyl-phenylether	16.362	248	778250	52.885	ng		98
68) Hexachlorobenzene	16.480	284	882335	53.319	ng		98
69) Atrazine	16.633	200	755933	88.822	ng		100
70) Pentachlorophenol	16.827	266	1294388	124.467	ng		99
71) Phenanthrene	17.209	178	3712945	52.462	ng		100
72) Anthracene	17.304	178	3775589	55.085	ng		99
73) Carbazole	17.568	167	3426771	55.205	ng		100
74) Di-n-butylphthalate	18.139	149	3958932	58.189	ng		99
75) Fluoranthene	19.227	202	4411665	54.143	ng		99
77) Benzidine	19.409	184	2406945	163.212	ng		99
78) Pyrene	19.592	202	4541810	52.959	ng		100
80) Butylbenzylphthalate	20.492	149	1736401	65.242	ng		96
81) Benzo(a)anthracene	21.392	228	4431789	54.053	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	986523	36.957	ng		99
83) Chrysene	21.450	228	4125400	53.079	ng		100
84) Bis(2-ethylhexyl)phtha...	21.315	149	2538850	61.209	ng		98
85) Di-n-octyl phthalate	22.450	149	4373488	67.839	ng		97
87) Indeno(1,2,3-cd)pyrene	27.803	276	5466399	56.659	ng		100
88) Benzo(b)fluoranthene	23.468	252	4380628	48.521	ng		99
89) Benzo(k)fluoranthene	23.527	252	4337874	48.829	ng		99
90) Benzo(a)pyrene	24.274	252	4244481	55.970	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	4490850	55.869	ng		99
92) Benzo(g,h,i)perylene	28.868	276	4374612	54.030	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

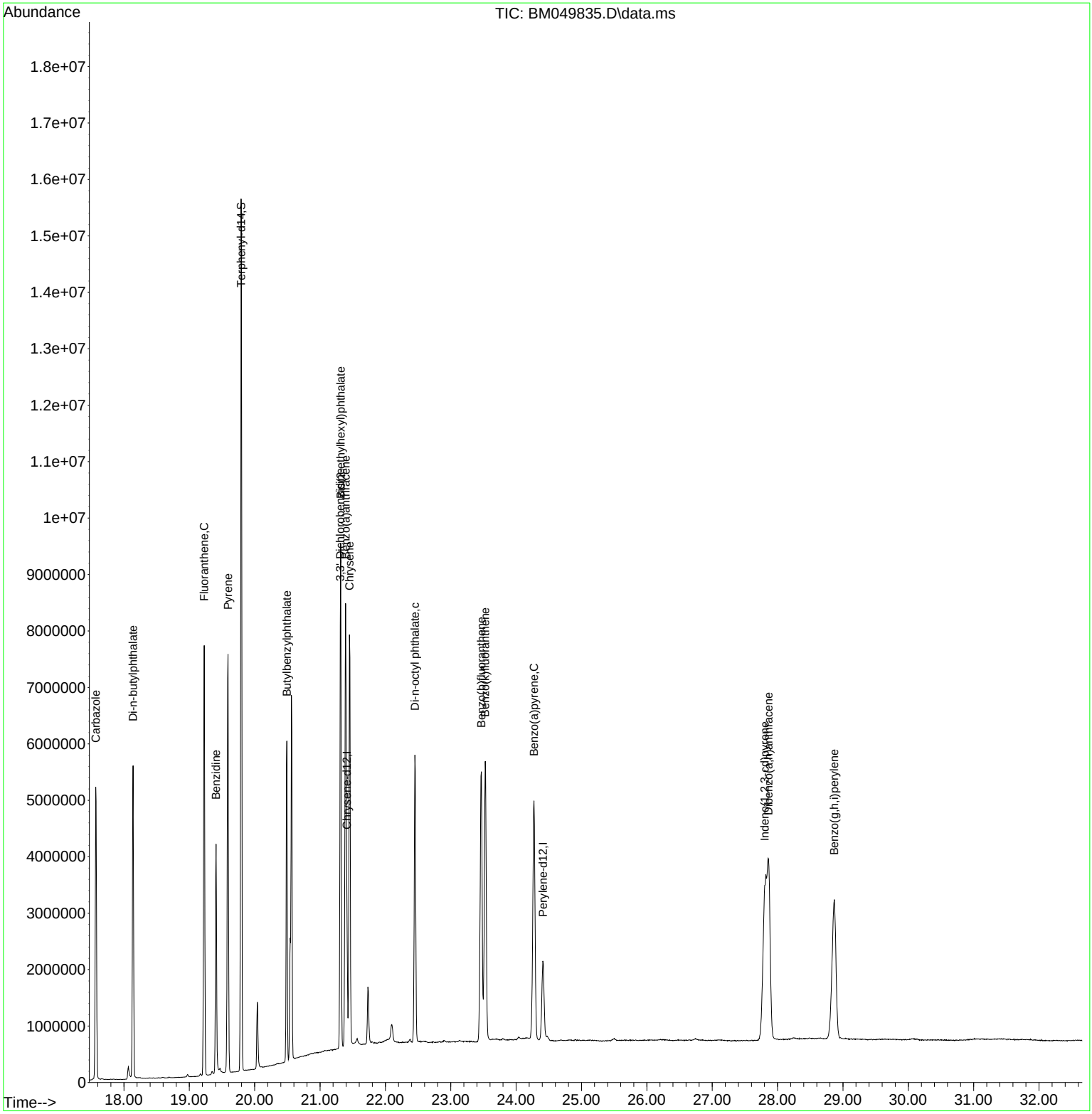
Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	392804	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1404251	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	888245	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1716279	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1693342	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1886435	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1225224	52.631	ng		-0.02
7) Phenol-d6	6.957	99	1535286	52.552	ng		-0.02
23) Nitrobenzene-d5	8.939	82	880861	32.206	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	712614	68.705	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	2175235	30.670	ng		-0.02
79) Terphenyl-d14	19.792	244	2908837	28.947	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	185355	18.393	ng		98
3) Pyridine	3.669	79	539454	20.960	ng		97
4) n-Nitrosodimethylamine	3.575	42	220833	19.392	ng	#	86
6) Aniline	7.110	93	565121	23.089	ng		99
8) 2-Chlorophenol	7.351	128	654462	28.389	ng		96
9) Benzaldehyde	6.922	77	348406	24.123	ng		95
10) Phenol	6.987	94	771862	27.247	ng		93
11) bis(2-Chloroethyl)ether	7.204	93	592450	25.827	ng		97
12) 1,3-Dichlorobenzene	7.675	146	726775	25.941	ng		97
13) 1,4-Dichlorobenzene	7.816	146	731656	25.887	ng		98
14) 1,2-Dichlorobenzene	8.134	146	703837	26.203	ng		98
15) Benzyl Alcohol	8.022	79	506673	27.636	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	681728m	25.285	ng		
17) 2-Methylphenol	8.234	107	494812	29.421	ng		95
18) Hexachloroethane	8.863	117	251351	25.183	ng		90
19) n-Nitroso-di-n-propyla...	8.586	70	423645	25.008	ng		97
20) 3+4-Methylphenols	8.557	107	672290	29.829	ng		97
22) Acetophenone	8.604	105	869534	24.015	ng		97
24) Nitrobenzene	8.981	77	613433	23.786	ng		92
25) Isophorone	9.510	82	1154874	27.501	ng		96
26) 2-Nitrophenol	9.692	139	367434	33.474	ng		94
27) 2,4-Dimethylphenol	9.757	122	560761	40.134	ng		95
28) bis(2-Chloroethoxy)met...	9.992	93	735485	24.867	ng		98
29) 2,4-Dichlorophenol	10.228	162	673450	29.580	ng		97
30) 1,2,4-Trichlorobenzene	10.445	180	725722	25.477	ng		99
31) Naphthalene	10.628	128	1824307	25.265	ng		99
33) 4-Chloroaniline	10.733	127	487832	19.796	ng		98
34) Hexachlorobutadiene	10.922	225	452652	25.741	ng		99
35) Caprolactam	11.516	113	182886	34.599	ng		87
36) 4-Chloro-3-methylphenol	11.869	107	563512	28.841	ng		98
37) 2-Methylnaphthalene	12.245	142	1200338	23.773	ng		98
38) 1-Methylnaphthalene	12.463	142	1258072	25.826	ng		98
40) 1,2,4,5-Tetrachloroben...	12.616	216	803247	24.619	ng		99
41) Hexachlorocyclopentadiene	12.598	237	235515	19.485	ng		100
43) 2,4,6-Trichlorophenol	12.857	196	594044	32.509	ng		98
44) 2,4,5-Trichlorophenol	12.927	196	641644	32.177	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

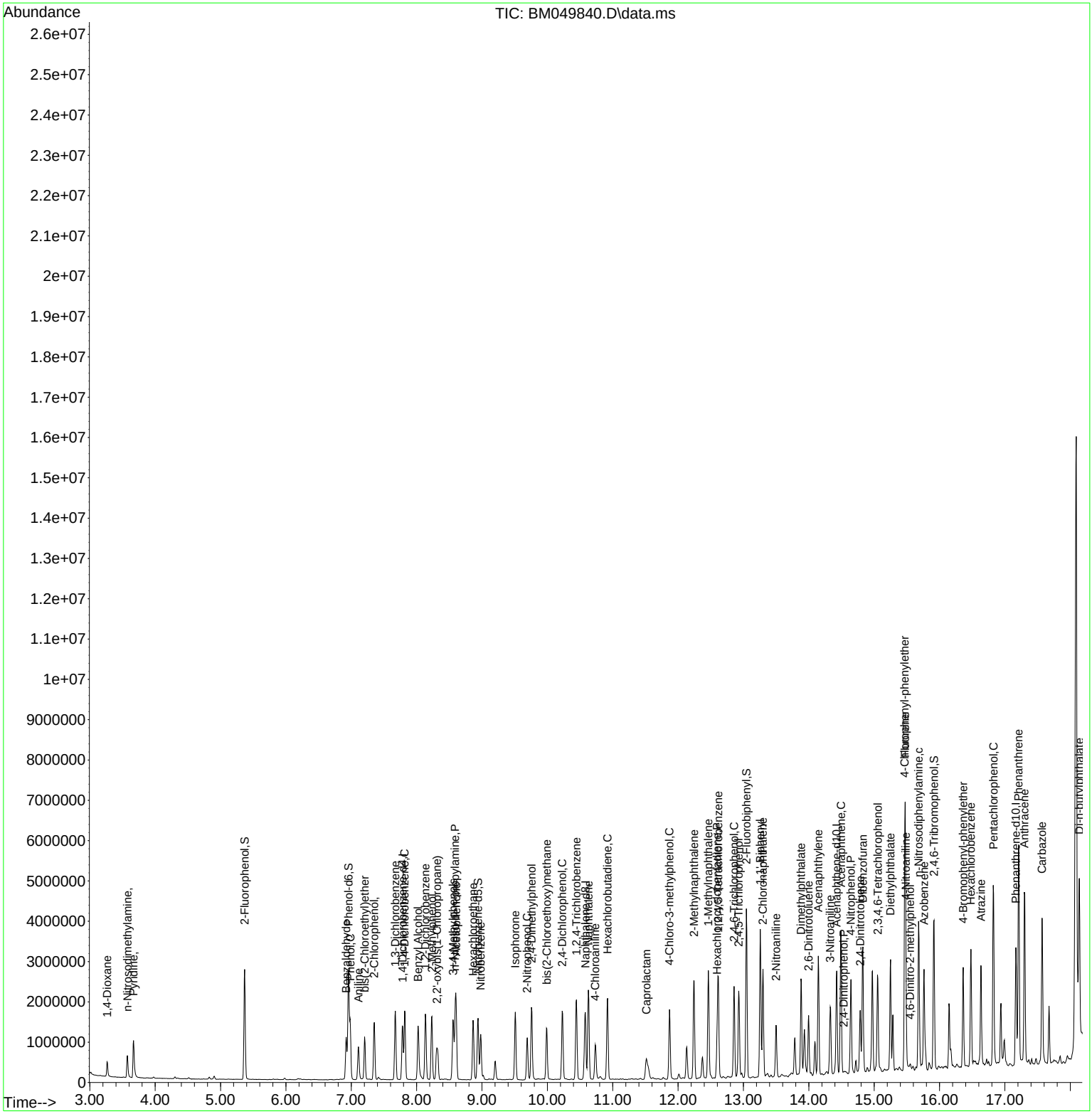
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.257	154	1728179	25.244	ng		99
47) 2-Chloronaphthalene	13.298	162	1361107	25.544	ng		99
48) 2-Nitroaniline	13.498	65	322997	27.002	ng		90
49) Acenaphthylene	14.145	152	2086203	28.010	ng		99
50) Dimethylphthalate	13.880	163	1592660	26.043	ng		100
51) 2,6-Dinitrotoluene	13.998	165	336940	27.497	ng	#	86
52) Acenaphthene	14.492	154	1288995	26.384	ng		99
53) 3-Nitroaniline	14.327	138	289665	24.841	ng		92
54) 2,4-Dinitrophenol	14.533	184	11567	5.415	ng		95
55) Dibenzofuran	14.827	168	2094904	25.733	ng		98
56) 4-Nitrophenol	14.645	139	645977	63.643	ng		89
57) 2,4-Dinitrotoluene	14.786	165	452917	28.724	ng		92
58) Fluorene	15.474	166	1780330	26.860	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	535877	32.104	ng		99
60) Diethylphthalate	15.251	149	1509646	26.210	ng		97
61) 4-Chlorophenyl-phenyle...	15.468	204	866175	23.932	ng		95
62) 4-Nitroaniline	15.486	138	344075	26.616	ng		91
63) Azobenzene	15.763	77	1370571	24.912	ng		93
65) 4,6-Dinitro-2-methylph...	15.551	198	32208	7.036	ng		82
66) n-Nitrosodiphenylamine	15.680	169	1397700	26.879	ng		98
67) 4-Bromophenyl-phenylether	16.362	248	519400	26.212	ng		98
68) Hexachlorobenzene	16.480	284	593045	26.614	ng		98
69) Atrazine	16.633	200	483864	42.222	ng		99
70) Pentachlorophenol	16.827	266	873322	62.366	ng		98
71) Phenanthrene	17.209	178	3346295	35.113	ng		100
72) Anthracene	17.298	178	2740257	29.690	ng		99
73) Carbazole	17.568	167	2370604	28.362	ng		100
74) Di-n-butylphthalate	18.139	149	2609863	28.488	ng		99
75) Fluoranthene	19.227	202	3769266	34.354	ng		100
77) Benzidine	19.409	184	364922	17.938	ng	#	75
78) Pyrene	19.592	202	3702863	31.299	ng		100
80) Butylbenzylphthalate	20.492	149	1174213	31.982	ng		95
81) Benzo(a)anthracene	21.392	228	3352891	29.644	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	602033	16.349	ng		99
83) Chrysene	21.450	228	3024622	28.211	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1737937	30.373	ng		98
85) Di-n-octyl phthalate	22.450	149	2983839	33.551	ng	#	96
87) Indeno(1,2,3-cd)pyrene	27.809	276	3814615	28.095	ng		99
88) Benzo(b)fluoranthene	23.462	252	3377304	26.581	ng		98
89) Benzo(k)fluoranthene	23.527	252	3109134	24.868	ng		98
90) Benzo(a)pyrene	24.274	252	3159107	29.601	ng		99
91) Dibenzo(a,h)anthracene	27.868	278	2987633	26.410	ng		100
92) Benzo(g,h,i)perylene	28.868	276	3065814	26.906	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

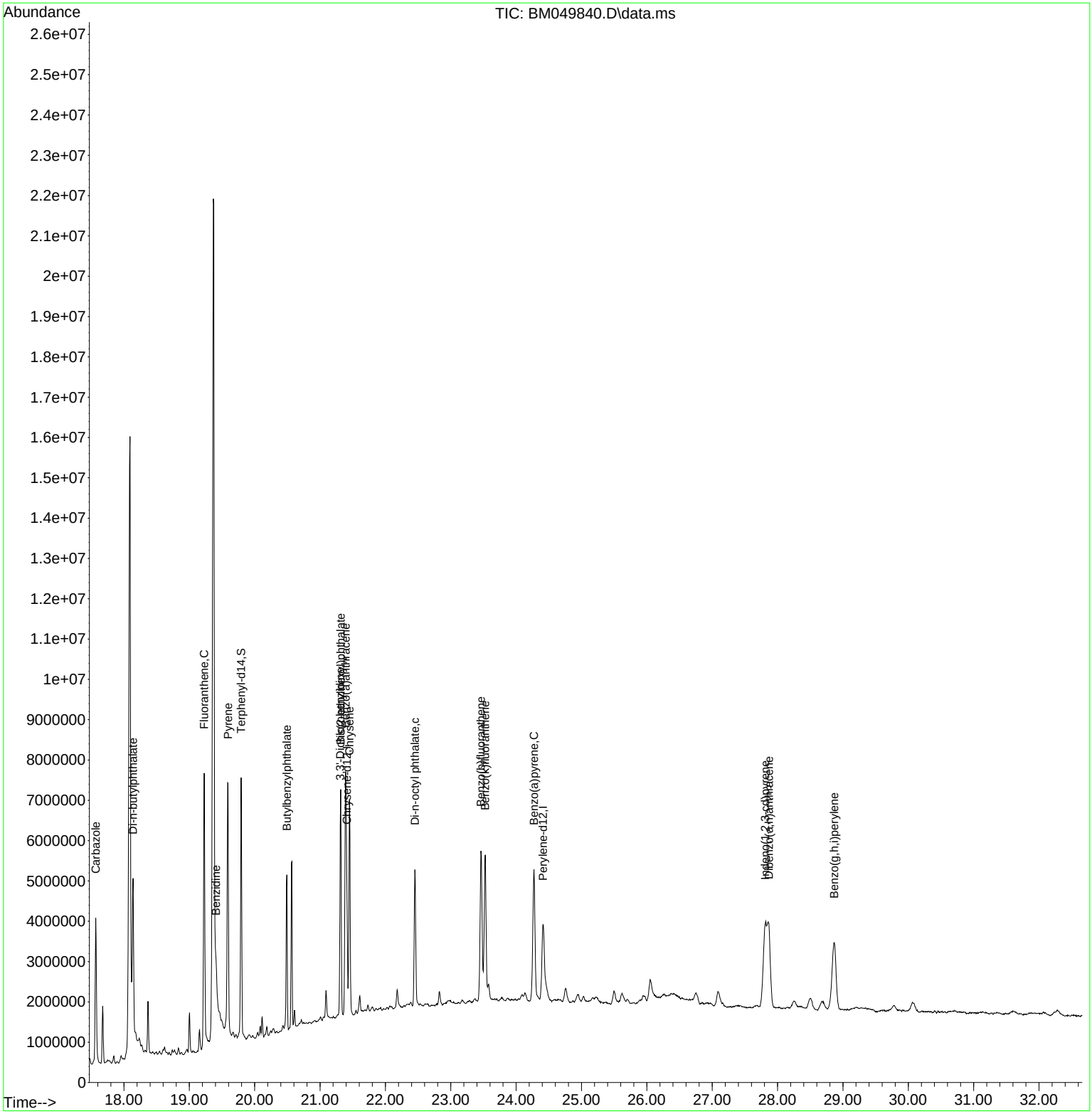
Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	368877	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1283324	20.000	ng		-0.02
39) Acenaphthene-d10	14.428	164	802650	20.000	ng		-0.02
64) Phenanthrene-d10	17.169	188	1533775	20.000	ng		-0.02
76) Chrysene-d12	21.410	240	1544485	20.000	ng		-0.02
86) Perylene-d12	24.415	264	1732654	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1210931	55.391	ng		-0.02
7) Phenol-d6	6.958	99	1498515	54.620	ng		-0.02
23) Nitrobenzene-d5	8.940	82	868593	34.750	ng		-0.02
42) 2,4,6-Tribromophenol	15.916	330	710977	75.857	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	2155380	33.630	ng		-0.02
79) Terphenyl-d14	19.792	244	2832951	30.909	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.270	88	189318	20.004	ng		98
3) Pyridine	3.670	79	529139	21.893	ng		97
4) n-Nitrosodimethylamine	3.575	42	220143	20.585	ng	#	86
6) Aniline	7.110	93	556961	24.232	ng		97
8) 2-Chlorophenol	7.352	128	645297	29.807	ng		97
9) Benzaldehyde	6.922	77	343247	25.308	ng		93
10) Phenol	6.987	94	755236	28.390	ng		94
11) bis(2-Chloroethyl)ether	7.205	93	575757	26.727	ng		96
12) 1,3-Dichlorobenzene	7.675	146	732678	27.848	ng		96
13) 1,4-Dichlorobenzene	7.822	146	734481	27.672	ng		97
14) 1,2-Dichlorobenzene	8.140	146	713298	28.278	ng		98
15) Benzyl Alcohol	8.022	79	496335	28.829	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	675021m	26.661	ng		
17) 2-Methylphenol	8.234	107	489726	31.008	ng		96
18) Hexachloroethane	8.863	117	242953	25.920	ng		91
19) n-Nitroso-di-n-propyla...	8.593	70	419971	26.399	ng		98
20) 3+4-Methylphenols	8.557	107	656796	31.032	ng		96
22) Acetophenone	8.604	105	853897	25.806	ng		98
24) Nitrobenzene	8.981	77	606481	25.732	ng		94
25) Isophorone	9.510	82	1151214	29.997	ng		97
26) 2-Nitrophenol	9.693	139	349379	34.828	ng		96
27) 2,4-Dimethylphenol	9.757	122	552266	43.251	ng		96
28) bis(2-Chloroethoxy)met...	9.987	93	731619	27.067	ng		99
29) 2,4-Dichlorophenol	10.234	162	660103	31.726	ng		97
30) 1,2,4-Trichlorobenzene	10.446	180	727179	27.934	ng		98
31) Naphthalene	10.628	128	1809880	27.427	ng		100
32) Benzoic acid	9.857	122	44923m	4.137	ng		
33) 4-Chloroaniline	10.740	127	499624	22.185	ng		97
34) Hexachlorobutadiene	10.922	225	455382	28.337	ng		98
35) Caprolactam	11.516	113	173517	35.920	ng		89
36) 4-Chloro-3-methylphenol	11.869	107	553591	31.004	ng		98
37) 2-Methylnaphthalene	12.245	142	1187231	25.730	ng		99
38) 1-Methylnaphthalene	12.463	142	1229265	27.612	ng		100
40) 1,2,4,5-Tetrachloroben...	12.616	216	799730	27.125	ng		99
41) Hexachlorocyclopentadiene	12.598	237	115800	10.602	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	584269	35.384	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

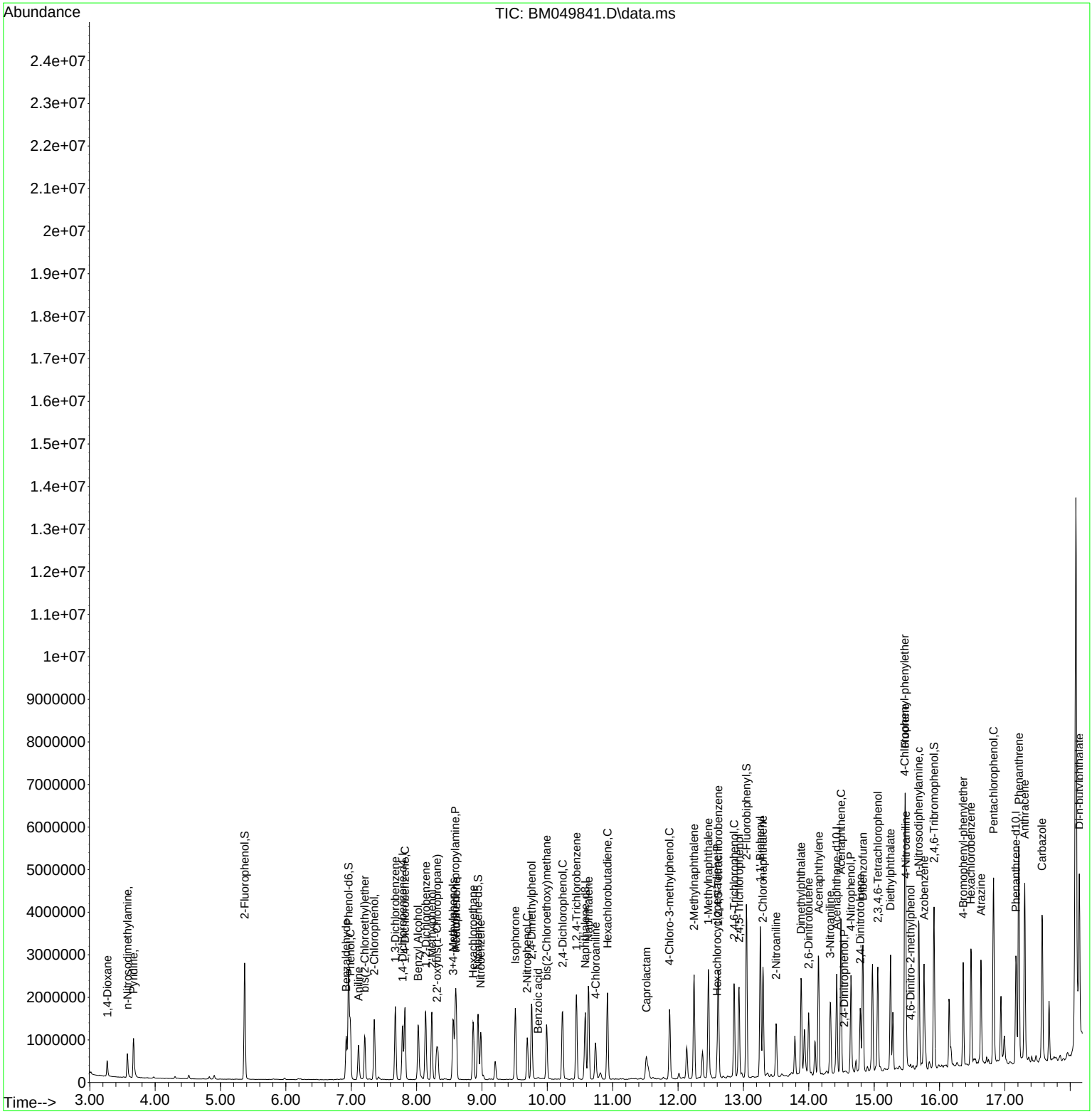
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	625465	34.711	ng		98
46) 1,1'-Biphenyl	13.257	154	1713141	27.693	ng		99
47) 2-Chloronaphthalene	13.298	162	1344485	27.922	ng		99
48) 2-Nitroaniline	13.498	65	317057	29.332	ng		91
49) Acenaphthylene	14.151	152	2065672	30.692	ng		99
50) Dimethylphthalate	13.881	163	1574344	28.489	ng		100
51) 2,6-Dinitrotoluene	13.998	165	327121	29.543	ng		88
52) Acenaphthene	14.492	154	1274700	28.874	ng		98
53) 3-Nitroaniline	14.328	138	296063	28.098	ng		95
54) 2,4-Dinitrophenol	14.539	184	6233	4.524	ng	#	87
55) Dibenzofuran	14.828	168	2061694	28.026	ng		98
56) 4-Nitrophenol	14.645	139	636380	69.383	ng		89
57) 2,4-Dinitrotoluene	14.786	165	442642	31.066	ng		92
58) Fluorene	15.475	166	1744955	29.134	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	532004m	35.271	ng		
60) Diethylphthalate	15.251	149	1487883	28.587	ng		97
61) 4-Chlorophenyl-phenyle...	15.469	204	857672	26.224	ng		95
62) 4-Nitroaniline	15.486	138	343901	29.041	ng		91
63) Azobenzene	15.763	77	1325193	26.656	ng		94
65) 4,6-Dinitro-2-methylph...	15.557	198	20773	5.936	ng	#	68
66) n-Nitrosodiphenylamine	15.680	169	1370027	29.482	ng		98
67) 4-Bromophenyl-phenylether	16.363	248	512850	28.961	ng		99
68) Hexachlorobenzene	16.480	284	586199	29.437	ng		99
69) Atrazine	16.633	200	478186	46.692	ng		99
70) Pentachlorophenol	16.827	266	862396	68.913	ng		98
71) Phenanthrene	17.216	178	3279776	38.510	ng		99
72) Anthracene	17.304	178	2687250	32.581	ng		100
73) Carbazole	17.569	167	2309010	30.912	ng		100
74) Di-n-butylphthalate	18.139	149	2540858	31.035	ng		99
75) Fluoranthene	19.227	202	3672649	37.456	ng		99
77) Benzidine	19.410	184	549114	29.593	ng	#	84
78) Pyrene	19.592	202	3620268	33.550	ng		100
80) Butylbenzylphthalate	20.492	149	1120117	33.449	ng		95
81) Benzo(a)anthracene	21.392	228	3330942	32.289	ng		100
82) 3,3'-Dichlorobenzidine	21.315	252	657250	19.569	ng		98
83) Chrysene	21.451	228	3025428	30.938	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1678514	32.162	ng		98
85) Di-n-octyl phthalate	22.457	149	2934404	36.176	ng	#	96
87) Indeno(1,2,3-cd)pyrene	27.815	276	3786957	30.366	ng		99
88) Benzo(b)fluoranthene	23.468	252	3326545	28.505	ng		98
89) Benzo(k)fluoranthene	23.533	252	3164065	27.554	ng		98
90) Benzo(a)pyrene	24.274	252	3150499	32.140	ng		98
91) Dibenzo(a,h)anthracene	27.874	278	2981571	28.696	ng		99
92) Benzo(g,h,i)perylene	28.880	276	3072357	29.356	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

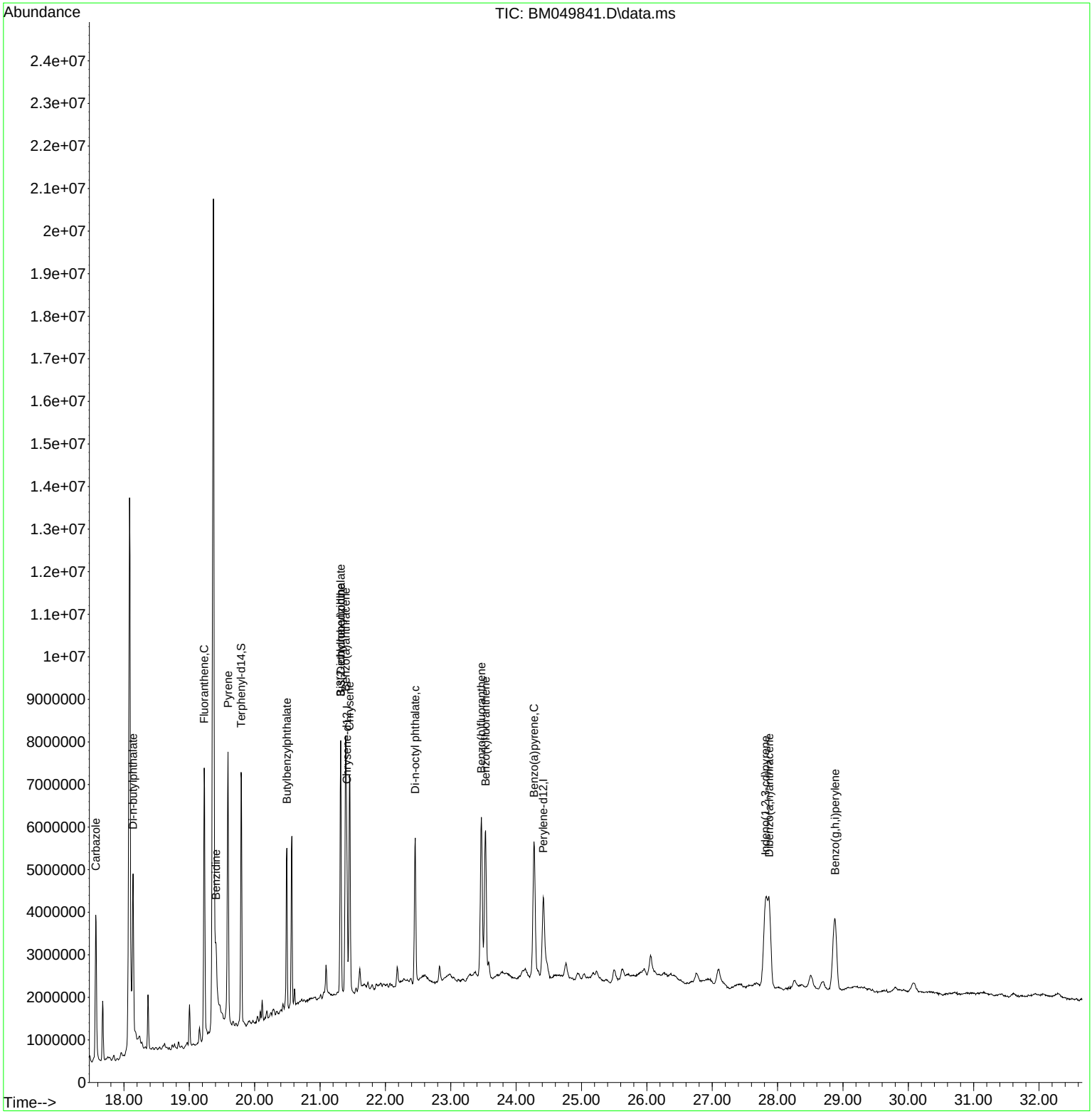
Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



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Manual Integration Report

Sequence:	BM031325	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049707.D	Acenaphthene	anahy	3/14/2025 4:37:23 PM	Jagrut	3/14/2025 4:41:35 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Acenaphthene	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Benzoic acid	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC050	BM049711.D	Pyridine	anahy	3/14/2025 4:38:46 PM	Jagrut	3/14/2025 4:41:41 PM	Peak Integrated by Software
SSTDICC060	BM049712.D	Pyridine	anahy	3/14/2025 4:39:20 PM	Jagrut	3/14/2025 4:41:43 PM	Peak Integrated by Software
SSTDICC080	BM049713.D	Pyridine	anahy	3/14/2025 4:39:55 PM	Jagrut	3/14/2025 4:41:46 PM	Peak Integrated by Software
SSTDICV040	BM049714.D	Pyridine	anahy	3/14/2025 4:40:27 PM	Jagrut	3/14/2025 4:41:48 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM040725	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167457BS	BM049835.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:51:17 AM	Jagrut	4/8/2025 4:14:30 PM	Peak Integrated by Software
Q1721-02MS	BM049840.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:52:00 AM	Jagrut	4/8/2025 4:14:33 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	2,3,4,6-Tetrachlorophenol	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	Benzoic acid	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049705.D	13 Mar 2025 08:24	RC/JU	Ok
2	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02	RC/JU	Ok
3	SSTDICC005	BM049707.D	13 Mar 2025 09:42	RC/JU	Ok,M
4	SSTDICC010	BM049708.D	13 Mar 2025 10:21	RC/JU	Ok,M
5	SSTDICC020	BM049709.D	13 Mar 2025 11:00	RC/JU	Ok
6	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	RC/JU	Ok
7	SSTDICC050	BM049711.D	13 Mar 2025 12:19	RC/JU	Ok,M
8	SSTDICC060	BM049712.D	13 Mar 2025 12:58	RC/JU	Ok,M
9	SSTDICC080	BM049713.D	13 Mar 2025 13:37	RC/JU	Ok,M
10	SSTDICV040	BM049714.D	13 Mar 2025 14:41	RC/JU	Ok,M
11	PB167097BL	BM049715.D	13 Mar 2025 15:20	RC/JU	Ok
12	Q1502-22	BM049716.D	13 Mar 2025 16:00	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040725

Review By	anahy	Review On	4/8/2025 12:29:39 PM		
Supervise By	Jagrut	Supervise On	4/8/2025 4:14:54 PM		
SubDirectory	BM040725	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049832.D	07 Apr 2025 10:04	RC/JU	Ok
2	SSTDCCC040	BM049833.D	07 Apr 2025 10:43	RC/JU	Ok
3	PB167457BL	BM049834.D	07 Apr 2025 11:23	RC/JU	Ok
4	PB167457BS	BM049835.D	07 Apr 2025 12:02	RC/JU	Ok,M
5	Q1675-21	BM049836.D	07 Apr 2025 12:45	RC/JU	Ok
6	Q1675-20	BM049837.D	07 Apr 2025 13:24	RC/JU	Ok
7	Q1675-18	BM049838.D	07 Apr 2025 14:04	RC/JU	Ok
8	Q1675-19	BM049839.D	07 Apr 2025 14:43	RC/JU	Ok
9	Q1721-02MS	BM049840.D	07 Apr 2025 15:22	RC/JU	Ok,M
10	Q1721-02MSD	BM049841.D	07 Apr 2025 16:02	RC/JU	Ok,M
11	Q1737-01	BM049842.D	07 Apr 2025 16:41	RC/JU	Ok,M
12	Q1738-01	BM049843.D	07 Apr 2025 17:20	RC/JU	Ok
13	Q1712-01DL	BM049844.D	07 Apr 2025 17:59	RC/JU	Not Ok
14	Q1733-01	BM049845.D	07 Apr 2025 18:39	RC/JU	Ok,M
15	Q1732-01	BM049846.D	07 Apr 2025 19:18	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049705.D	13 Mar 2025 08:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049707.D	13 Mar 2025 09:42	Compound#9,32,54,56,65,70,77, 82,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049708.D	13 Mar 2025 10:21		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049709.D	13 Mar 2025 11:00		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	Compound#62 Kept on LR & 54,65 Kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049711.D	13 Mar 2025 12:19		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM049712.D	13 Mar 2025 12:58	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049713.D	13 Mar 2025 13:37	Compound#9,42,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM031325	BM049714.D	13 Mar 2025 14:41		RC/JU	Ok,M
11	PB167097BL	PB167097BL	BM049715.D	13 Mar 2025 15:20	Use for DOD Projects only	RC/JU	Ok
12	Q1502-22	RR-TRIAZINE-WP	BM049716.D	13 Mar 2025 16:00	PT Sample - Already analyzed.	RC/JU	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040725

Review By	anahy	Review On	4/8/2025 12:29:39 PM		
Supervise By	Jagrut	Supervise On	4/8/2025 4:14:54 PM		
SubDirectory	BM040725	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049832.D	07 Apr 2025 10:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049833.D	07 Apr 2025 10:43		RC/JU	Ok
3	PB167457BL	PB167457BL	BM049834.D	07 Apr 2025 11:23		RC/JU	Ok
4	PB167457BS	PB167457BS	BM049835.D	07 Apr 2025 12:02		RC/JU	Ok,M
5	Q1675-21	K3	BM049836.D	07 Apr 2025 12:45		RC/JU	Ok
6	Q1675-20	K2	BM049837.D	07 Apr 2025 13:24		RC/JU	Ok
7	Q1675-18	K1P	BM049838.D	07 Apr 2025 14:04		RC/JU	Ok
8	Q1675-19	K1	BM049839.D	07 Apr 2025 14:43		RC/JU	Ok
9	Q1721-02MS	AU-05-040325MS	BM049840.D	07 Apr 2025 15:22		RC/JU	Ok,M
10	Q1721-02MSD	AU-05-040325MSD	BM049841.D	07 Apr 2025 16:02		RC/JU	Ok,M
11	Q1737-01	RT3069	BM049842.D	07 Apr 2025 16:41		RC/JU	Ok,M
12	Q1738-01	OK-02-040425	BM049843.D	07 Apr 2025 17:20		RC/JU	Ok
13	Q1712-01DL	Z-05ADL	BM049844.D	07 Apr 2025 17:59	Need further 5X Dilution, Not used not ok	RC/JU	Not Ok
14	Q1733-01	ETGI-328	BM049845.D	07 Apr 2025 18:39		RC/JU	Ok,M
15	Q1732-01	TT-8	BM049846.D	07 Apr 2025 19:18		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167457

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/04/2025

Extraction Start Time : 08:55

Extraction End Date : 04/04/2025

Extraction End Time : 13:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
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	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	EP2865
Methylene Chloride	N/A	E3904
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 # 2210673. Q1675-18,19,20,21 Added in batch at 10:32.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/04/25	RP (Soxtec)	RC/SVOC
13:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167457

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/04/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167457BL	SBLK457	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U3-1
PB167457BS	SLCS457	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1675-18	K1P	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1		Stone	3
Q1675-19	K1	SVOCMS Group1	30.04	N/A	ritesh	Evelyn	1		Stone	4
Q1675-20	K2	SVOCMS Group1	30.01	N/A	ritesh	Evelyn	1	A	Stone	5
Q1675-21	K3	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	A	Stone	6
Q1712-01	Z-05A	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	C		3
Q1712-05	TT-7	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		4
Q1721-02	AU-05-040325	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q1721-02MS	AU-05-040325MS	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q1721-02MS D	AU-05-040325MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		U2-1

* **Extracts relinquished on the same date as received.**

Q1675 7457 8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1721S **WorkList ID :** 188723 **Department :** Extraction **Date :** 04-04-2025 08:11:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1712-01	Z-05A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L22	04/02/2025	8270E
Q1712-05	TT-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L22	04/03/2025	8270E
Q1721-02	AU-05-040325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	04/03/2025	8270E

368 of 879

Date/Time 04/04/25 8:50
Raw Sample Received by: RJ (Est 1.4)
Raw Sample Relinquished by: SM

Date/Time 04/04/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Est 4.5)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1675S **WorkList ID :** 188744 **Department :** Extraction **Date :** 04-04-2025 10:32:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1675-18	K1P	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-19	K1	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-20	K2	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-21	K3	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E

Date/Time 04/04/25 10:32

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/04/25 10:05

Raw Sample Received by:

Raw Sample Relinquished by:

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

LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-18	**K1P**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-19	**K1**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-20	**K2**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-21	**K3**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.6	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 20:08	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.84		1	1.44	2.45	mg/kg	FC068455.D
Aliphatic C9-C28	Aliphatic C9-C28	43.7		1	1.11	4.89	mg/kg	FC068455.D
Total AliphaticEPH	Total AliphaticEPH	47.6			2.55	7.34	mg/kg	
Total EPH	Total EPH	47.6			2.55	7.34	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.6	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068455.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	43.7		1.11	4.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.84		1.44	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.5		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.7		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-13	Acq On:	31 Mar 2025 20:08
Client Sample ID:	D1	Operator:	YP/AJ
Data file:	FC068455.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	9512836	58.606	300	ug/ml
Aliphatic C12-C16	6.360	9.743	37827096	224.901	200	ug/ml
Aliphatic C16-C21	9.744	13.097	37767946	220.208	300	ug/ml
Aliphatic C21-C28	13.098	16.748	5485240	32.482	400	ug/ml
Aliphatic C28-C40	16.749	21.546	6412384	47.09	600	ug/ml
Aliphatic EPH	3.098	21.546	97005502	583.287		ug/ml
ortho-Terphenyl (SURR)	11.386	11.386	5108416	25.72		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	3955469	26.53		ug/ml
Aliphatic C9-C28	3.098	16.748	90593118	536.197	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D2		SDG No.:	Q1675	
Lab Sample ID:	Q1675-14		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 20:45	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.58		1	1.23	2.09	mg/kg	FC068456.D
Aliphatic C9-C28	Aliphatic C9-C28	328		10	9.51	41.9	mg/kg	FC068465.D
Total AliphaticEPH	Total AliphaticEPH	332			10.7	44.0	mg/kg	
Total EPH	Total EPH	332			10.7	44.0	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D2		SDG No.:	Q1675	
Lab Sample ID:	Q1675-14		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068456.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		303	E	0.95	4.19	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.58		1.23	2.09	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		34.0		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-14	Acq On:	31 Mar 2025 20:45
Client Sample ID:	D2	Operator:	YP/AJ
Data file:	FC068456.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	60976914	375.661	300	ug/ml
Aliphatic C12-C16	6.360	9.743	307191644	1830	200	ug/ml
Aliphatic C16-C21	9.744	13.097	312787023	1820	300	ug/ml
Aliphatic C21-C28	13.098	16.748	55475174	328.508	400	ug/ml
Aliphatic C28-C40	16.749	21.546	8941509	65.663	600	ug/ml
Aliphatic EPH	3.098	21.546	745372264	4420		ug/ml
ortho-Terphenyl (SURR)	11.391	11.391	6750631	33.99		ug/ml
1-chlorooctadecane (SURR)	12.832	12.832	5043806	33.83		ug/ml
Aliphatic C9-C28	3.098	16.748	736430755	4350	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D2DL		SDG No.:	Q1675	
Lab Sample ID:	Q1675-14DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068465.D	10	03/31/25	04/01/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	328		9.51	41.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.3	U	12.3	20.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.28		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.75		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-14DL	Acq On:	01 Apr 2025 08:12
Client Sample ID:	D2DL	Operator:	YP/AJ
Data file:	FC068465.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	6670891	41.097	300	ug/ml
Aliphatic C12-C16	6.360	9.742	33394449	198.547	200	ug/ml
Aliphatic C16-C21	9.743	13.096	34013395	198.317	300	ug/ml
Aliphatic C21-C28	13.097	16.749	5569956	32.984	400	ug/ml
Aliphatic C28-C40	16.750	21.544	880656	6.467	600	ug/ml
Aliphatic EPH	3.097	21.544	80529347	477.412		ug/ml
ortho-Terphenyl (SURR)	11.381	11.381	744143	3.75		ug/ml
1-chlorooctadecane (SURR)	12.824	12.824	489435	3.28		ug/ml
Aliphatic C9-C28	3.097	16.749	79648691	470.945	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-15		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 21:23	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.71		1	1.24	2.09	mg/kg	FC068457.D
Aliphatic C9-C28	Aliphatic C9-C28	37.0		1	0.95	4.20	mg/kg	FC068457.D
Total AliphaticEPH	Total AliphaticEPH	40.8			2.19	6.29	mg/kg	
Total EPH	Total EPH	40.8			2.19	6.29	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-15		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068457.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	37.0		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.71		1.24	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.4		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.3		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-15	Acq On:	31 Mar 2025 21:23
Client Sample ID:	D3	Operator:	YP/AJ
Data file:	FC068457.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	5067853	31.222	300	ug/ml
Aliphatic C12-C16	6.360	9.743	34321501	204.059	200	ug/ml
Aliphatic C16-C21	9.744	13.097	43507987	253.675	300	ug/ml
Aliphatic C21-C28	13.098	16.748	7158371	42.39	400	ug/ml
Aliphatic C28-C40	16.749	21.546	7236870	53.145	600	ug/ml
Aliphatic EPH	3.098	21.546	97292582	584.491		ug/ml
ortho-Terphenyl (SURR)	11.387	11.387	5021222	25.28		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	3644058	24.44		ug/ml
Aliphatic C9-C28	3.098	16.748	90055712	531.346	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D4		SDG No.:	Q1675	
Lab Sample ID:	Q1675-16		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	94.9	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 22:01	PB167381

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.35		1	1.24	2.10	mg/kg	FC068458.D
Aliphatic C9-C28	Aliphatic C9-C28	7.45		1	0.96	4.20	mg/kg	FC068458.D
Total AliphaticEPH	Total AliphaticEPH	12.8			2.20	6.30	mg/kg	
Total EPH	Total EPH	12.8			2.20	6.30	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D4		SDG No.:	Q1675	
Lab Sample ID:	Q1675-16		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	94.9	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068458.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.45		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.35		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-16	Acq On:	31 Mar 2025 22:01
Client Sample ID:	D4	Operator:	YP/AJ
Data file:	FC068458.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	2943120	18.132	300	ug/ml
Aliphatic C12-C16	6.360	9.743	1871536	11.127	200	ug/ml
Aliphatic C16-C21	9.744	13.097	7366150	42.949	300	ug/ml
Aliphatic C21-C28	13.098	16.748	5758222	34.099	400	ug/ml
Aliphatic C28-C40	16.749	21.546	10385706	76.269	600	ug/ml
Aliphatic EPH	3.098	21.546	28324734	182.575		ug/ml
ortho-Terphenyl (SURR)	11.387	11.387	6614146	33.3		ug/ml
1-chlorooctadecane (SURR)	12.829	12.829	4884405	32.76		ug/ml
Aliphatic C9-C28	3.098	16.748	17939028	106.307	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-17		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	94.6	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 22:38	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.25		1	1.24	2.11	mg/kg	FC068459.D
Aliphatic C9-C28	Aliphatic C9-C28	207		5	4.79	21.1	mg/kg	FC068466.D
Total AliphaticEPH	Total AliphaticEPH	210			6.03	23.2	mg/kg	
Total EPH	Total EPH	210			6.03	23.2	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-17		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	94.6	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068459.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	222	E	0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.25		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.7		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-17	Acq On:	31 Mar 2025 22:38
Client Sample ID:	D5	Operator:	YP/AJ
Data file:	FC068459.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	59456922	366.296	300	ug/ml
Aliphatic C12-C16	6.360	9.743	221971621	1320	200	ug/ml
Aliphatic C16-C21	9.744	13.097	217705944	1270	300	ug/ml
Aliphatic C21-C28	13.098	16.748	33848676	200.442	400	ug/ml
Aliphatic C28-C40	16.749	21.546	6294231	46.223	600	ug/ml
Aliphatic EPH	3.098	21.546	539277394	3200		ug/ml
ortho-Terphenyl (SURR)	11.390	11.390	5852009	29.46		ug/ml
1-chlorooctadecane (SURR)	12.830	12.830	3825417	25.66		ug/ml
Aliphatic C9-C28	3.098	16.748	532983163	3160	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	D5DL		SDG No.:	Q1675	
Lab Sample ID:	Q1675-17DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	94.6	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068466.D	5	03/31/25	04/01/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	207		4.79	21.1	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.22	U	6.22	10.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.08		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.70		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-17DL	Acq On:	01 Apr 2025 08:49
Client Sample ID:	D5DL	Operator:	YP/AJ
Data file:	FC068466.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	10430144	64.257	300	ug/ml
Aliphatic C12-C16	6.360	9.742	40947434	243.453	200	ug/ml
Aliphatic C16-C21	9.743	13.096	41736937	243.349	300	ug/ml
Aliphatic C21-C28	13.097	16.749	6303669	37.329	400	ug/ml
Aliphatic C28-C40	16.750	21.544	1541873	11.323	600	ug/ml
Aliphatic EPH	3.097	21.544	100960057	599.711		ug/ml
ortho-Terphenyl (SURR)	11.382	11.382	1132153	5.7		ug/ml
1-chlorooctadecane (SURR)	12.824	12.824	756885	5.08		ug/ml
Aliphatic C9-C28	3.097	16.749	99418184	588.388	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Run Number: FC033125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167381BL	71	71		0
PB167381BS	73	74		0
PB167381BSD	71	72		0
RT5358MS	66	67		0
RT5358MSD	67	67		0
D1	53	51		0
D2	68	68		0
D3	49	51		0
D4	66	67		0
D5	51	59		0

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Run Number: FC040125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
D2DL	66	75		0
D5DL	51	57		0

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

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

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1675 **SAS No :** Q1675 **SDG No:** Q1675

Sample No : Q1674-01MS **Datafile:** FC068452.D

Client ID : RT5358MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	33.6	3.59	30.7	81		(40-140)
Aliphatic C9-C28	112.1	6.25	76.6	63		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1675 **SAS No :** Q1675 **SDG No:** Q1675

Sample No : Q1674-01MSD **Datafile:** FC068453.D

Client ID : RT5358MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	33.6	3.59	27.3	71		13.4 |	(40-140)	25
Aliphatic C9-C28	112.1	6.25	75.9	62		1.1 |	(40-140)	25

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167381BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Instrument ID: FID_C Lab Sample ID: PB167381BL

Matrix: (soil/water) Solid Date Extracted: 3/31/2025 8:56:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167381BS	PB167381BS
PB167381BSD	PB167381BSD
RT5358MS	Q1674-01MS
RT5358MSD	Q1674-01MSD
D1	Q1675-13
D2	Q1675-14
D3	Q1675-15
D4	Q1675-16
D5	Q1675-17

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167381BL			SDG No.:	Q1675
Lab Sample ID:	PB167381BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 13:54	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC068445.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FC068445.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167381BL		SDG No.:	Q1675	
Lab Sample ID:	PB167381BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068445.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.7		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167381BL	Acq On:	31 Mar 2025 13:54
Client Sample ID:	PB167381BL	Operator:	YP/AJ
Data file:	FC068445.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	3.098	6.359	0	0	300	ug/ml
Aliphatic C12-C16	6.360	9.743	0	0	200	ug/ml
Aliphatic C16-C21	9.744	13.097	0	0	300	ug/ml
Aliphatic C21-C28	13.098	16.748	0	0	400	ug/ml
Aliphatic C28-C40	16.749	21.546	0	0	600	ug/ml
Aliphatic EPH	3.098	21.546	0	0		ug/ml
ortho-Terphenyl (SURR)	11.387	11.387	7084773	35.67		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	5268449	35.34		ug/ml
Aliphatic C9-C28	3.098	16.748	0	0	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167381BS		SDG No.:	Q1675	
Lab Sample ID:	PB167381BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 14:31	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.18	2.00	mg/kg	FC068446.D
Aliphatic C9-C28	Aliphatic C9-C28	68.2		1	0.91	3.99	mg/kg	FC068446.D
Total AliphaticEPH	Total AliphaticEPH	90.8			2.09	5.99	mg/kg	
Total EPH	Total EPH	90.8			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167381BS			SDG No.:	Q1675
Lab Sample ID:	PB167381BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068446.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	68.2		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.9		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167381BS	Acq On:	31 Mar 2025 14:31
Client Sample ID:	PB167381BS	Operator:	YP/AJ
Data file:	FC068446.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	3.098	6.359	29606309	182.396	300	ug/ml
Aliphatic C12-C16	6.360	9.743	41030530	243.947	200	ug/ml
Aliphatic C16-C21	9.744	13.097	47462012	276.729	300	ug/ml
Aliphatic C21-C28	13.098	16.748	54540738	322.975	400	ug/ml
Aliphatic C28-C40	16.749	21.546	46162046	338.999	600	ug/ml
Aliphatic EPH	3.098	21.546	218801635	1370		ug/ml
ortho-Terphenyl (SURR)	11.388	11.388	7332248	36.91		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	5457920	36.61		ug/ml
Aliphatic C9-C28	3.098	16.748	172639589	1030	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167381BSD		SDG No.:	Q1675	
Lab Sample ID:	PB167381BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 15:08	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1	1.18	2.00	mg/kg	FC068447.D
Aliphatic C9-C28	Aliphatic C9-C28	67.3		1	0.91	4.00	mg/kg	FC068447.D
Total AliphaticEPH	Total AliphaticEPH	89.5			2.09	6.00	mg/kg	
Total EPH	Total EPH	89.5			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167381BSD		SDG No.:	Q1675	
Lab Sample ID:	PB167381BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068447.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.3		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.6		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167381BSD	Acq On:	31 Mar 2025 15:08
Client Sample ID:	PB167381BSD	Operator:	YP/AJ
Data file:	FC068447.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	3.098	6.359	29831285	183.782	300	ug/ml
Aliphatic C12-C16	6.360	9.743	40449019	240.49	200	ug/ml
Aliphatic C16-C21	9.744	13.097	46233510	269.567	300	ug/ml
Aliphatic C21-C28	13.098	16.748	53364669	316.01	400	ug/ml
Aliphatic C28-C40	16.749	21.546	45316617	332.79	600	ug/ml
Aliphatic EPH	3.098	21.546	215195100	1340		ug/ml
ortho-Terphenyl (SURR)	11.388	11.388	7127983	35.89		ug/ml
1-chlorooctadecane (SURR)	12.829	12.829	5308935	35.61		ug/ml
Aliphatic C9-C28	3.098	16.748	169878483	1010	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	RT5358MS		SDG No.:	Q1675	
Lab Sample ID:	Q1674-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.2	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 18:15	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.7		1	1.32	2.24	mg/kg	FC068452.D
Aliphatic C9-C28	Aliphatic C9-C28	76.6		1	1.02	4.48	mg/kg	FC068452.D
Total AliphaticEPH	Total AliphaticEPH	107			2.34	6.72	mg/kg	
Total EPH	Total EPH	107			2.34	6.72	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	RT5358MS		SDG No.:	Q1675	
Lab Sample ID:	Q1674-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.2	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068452.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.6		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.7		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1674-01MS	Acq On:	31 Mar 2025 18:15
Client Sample ID:	RT5358MS	Operator:	YP/AJ
Data file:	FC068452.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	28570900	176.017	300	ug/ml
Aliphatic C12-C16	6.360	9.743	38958045	231.625	200	ug/ml
Aliphatic C16-C21	9.744	13.097	46976371	273.898	300	ug/ml
Aliphatic C21-C28	13.098	16.748	58171667	344.476	400	ug/ml
Aliphatic C28-C40	16.749	21.546	56022477	411.41	600	ug/ml
Aliphatic EPH	3.098	21.546	228699460	1440		ug/ml
ortho-Terphenyl (SURR)	11.388	11.388	6654048	33.5		ug/ml
1-chlorooctadecane (SURR)	12.829	12.829	4909904	32.94		ug/ml
Aliphatic C9-C28	3.098	16.748	172676983	1030	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	RT5358MSD		SDG No.:	Q1675	
Lab Sample ID:	Q1674-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.2	
Sample Wt/Vol:	30.04 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 18:53	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.3		1	1.32	2.24	mg/kg	FC068453.D
Aliphatic C9-C28	Aliphatic C9-C28	75.9		1	1.02	4.48	mg/kg	FC068453.D
Total AliphaticEPH	Total AliphaticEPH	103			2.34	6.72	mg/kg	
Total EPH	Total EPH	103			2.34	6.72	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	RT5358MSD		SDG No.:	Q1675	
Lab Sample ID:	Q1674-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.2	
Sample Wt/Vol:	30.04 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068453.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	75.9		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.3		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.7		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1674-01MSD	Acq On:	31 Mar 2025 18:53
Client Sample ID:	RT5358MSD	Operator:	YP/AJ
Data file:	FC068453.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	28309867	174.409	300	ug/ml
Aliphatic C12-C16	6.360	9.743	38917046	231.382	200	ug/ml
Aliphatic C16-C21	9.744	13.097	47159405	274.965	300	ug/ml
Aliphatic C21-C28	13.098	16.748	56815073	336.443	400	ug/ml
Aliphatic C28-C40	16.749	21.546	49790057	365.642	600	ug/ml
Aliphatic EPH	3.098	21.546	220991448	1380		ug/ml
ortho-Terphenyl (SURR)	11.388	11.388	6691900	33.69		ug/ml
1-chlorooctadecane (SURR)	12.829	12.829	4963718	33.3		ug/ml
Aliphatic C9-C28	3.098	16.748	171201391	1020	1200	ug/ml

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC032625AL

AreaCount

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	45086767.000	23957696.000	10109387.000	5032376.000	2480291.000	
Aliphatic C12-C16	31366027.000	16525288.000	7021727.000	3486717.000	1690088.000	
Aliphatic C16-C21	46215435.000	24301108.000	10733415.000	5433148.000	2722484.000	
Aliphatic C21-C28	57370908.000	30982953.000	13741558.000	7153138.000	3908195.000	
Aliphatic C28-C40	66709018.000	35774110.000	16746543.000	8713011.000	4969759.000	
Aliphatic EPH	246748155.000	131541155.000	58352630.000	29818390.000	15770817.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	162319.1159996	4.653				
Aliphatic C12-C16	168194.168	4.51				
Aliphatic C16-C21	171510.5906664	7.383				
Aliphatic C21-C28	168869.942	12.042				
Aliphatic C28-C40	136171.7476664	15.894				
Aliphatic EPH	157243.7616662	9.786				

Concentration

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.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	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	150289.223333	159717.973333	168489.783333	167745.866666	165352.733333	
Aliphatic C12-C16	156830.135000	165252.880000	175543.175000	174335.850000	169008.800000	
Aliphatic C16-C21	154051.450000	162007.386666	178890.250000	181104.933333	181498.933333	

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Fax : 908 789 8922

Inital Calibration Report for SequenceID : FC032625AL

Aliphatic C21-C28	143427.270000	154914.765000	171769.475000	178828.450000	195409.750000	
Aliphatic C28-C40	111181.696666	119247.033333	139554.525000	145216.850000	165658.633333	
Aliphatic EPH	137082.308333	146156.838888	162090.638888	165657.722222	175231.300000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
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: Mar 26 13:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.397	18022152	87.143 ug/ml
Spiked Amount	50.000		Recovery =	174.29%
12) S	1-chlorooctadecane (S...	12.835	13391425	85.929 ug/ml
Spiked Amount	50.000		Recovery =	171.86%
	Target Compounds			
1) T	n-Nonane (C9)	3.203	14755216	88.977 ug/ml
2) T	n-Decane (C10)	4.260	15026852	89.124 ug/ml
3) T	A~Naphthalene (C11.7)	5.825	16689744	90.339 ug/ml
4) T	n-Dodecane (C12)	6.267	15304699	89.485 ug/ml
5) T	A~2-methylnaphthalene...	6.878	16293302	91.366 ug/ml
6) T	n-Tetradecane (C14)	8.055	15405712	89.847 ug/ml
7) T	n-Hexadecane (C16)	9.651	15960315	88.855 ug/ml
8) T	n-Octadecane (C18)	11.091	16014633	87.298 ug/ml
10) T	n-Eicosane (C20)	12.395	15259809	85.614 ug/ml
11) T	n-Heneicosane (C21)	13.006	14940993	85.386 ug/ml
13) T	n-Docosane (C22)	13.591	14810036	84.833 ug/ml
14) T	n-Tetracosane (C24)	14.691	14604400	83.903 ug/ml
15) T	n-Hexacosane (C26)	15.709	14222474	83.552 ug/ml
16) T	n-Octacosane (C28)	16.657	13733998	81.646 ug/ml
17) T	n-Tricontane (C30)	17.545	13722934	78.333 ug/ml
18) T	n-Dotriacontane (C32)	18.374	12956119	76.432 ug/ml
19) T	n-Tetratriacontane (C34)	19.156	11776981	77.993 ug/ml
20) T	n-Hexatriacontane (C36)	19.893	10216728	80.554 ug/ml
21) T	n-Octatriacontane (C38)	20.603	9266089	82.732 ug/ml
22) T	n-Tetracontane (C40)	21.453	8770167	85.317 ug/ml

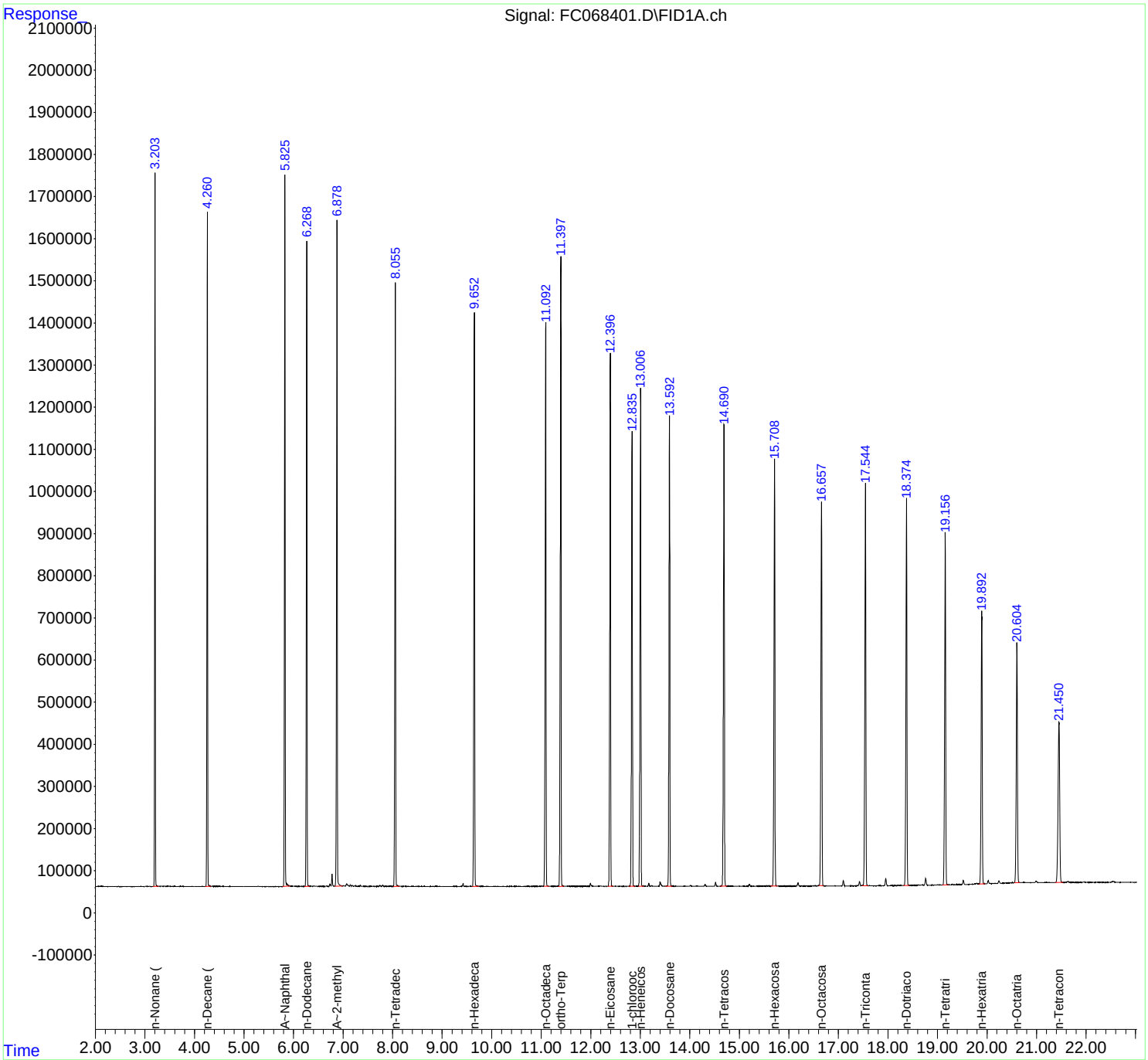
(f)=RT Delta > 1/2 Window (m)=manual int.

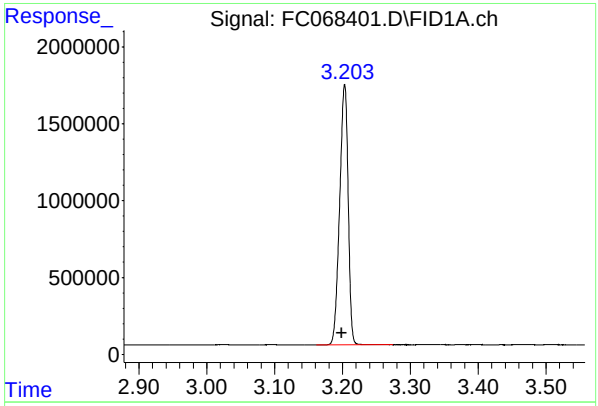
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 26 13:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

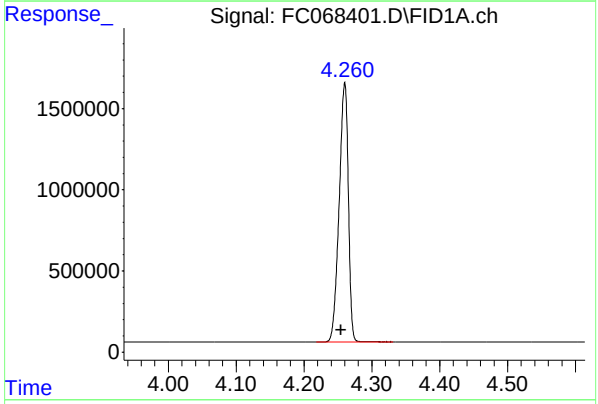




#1 n-Nonane (C9)

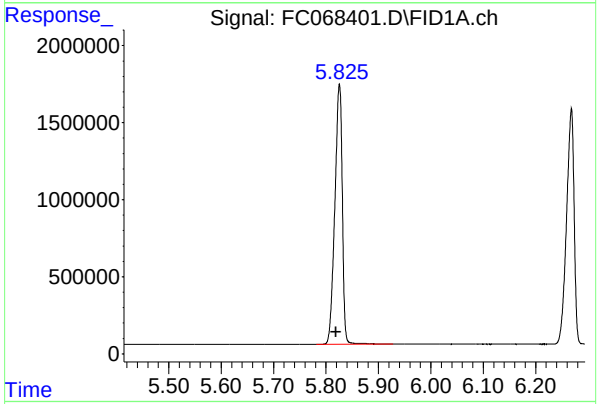
R.T.: 3.203 min
Delta R.T.: 0.004 min
Response: 14755216
Conc: 88.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



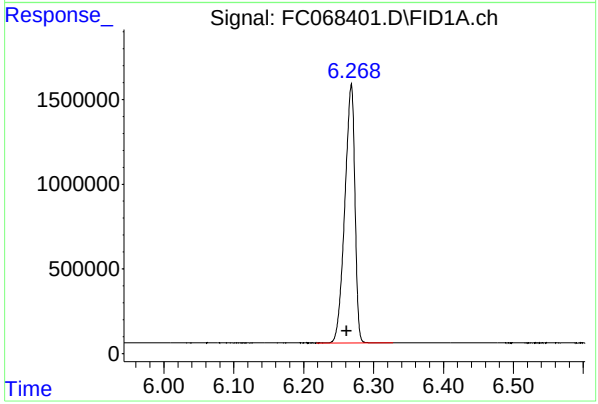
#2 n-Decane (C10)

R.T.: 4.260 min
Delta R.T.: 0.005 min
Response: 15026852
Conc: 89.12 ug/ml



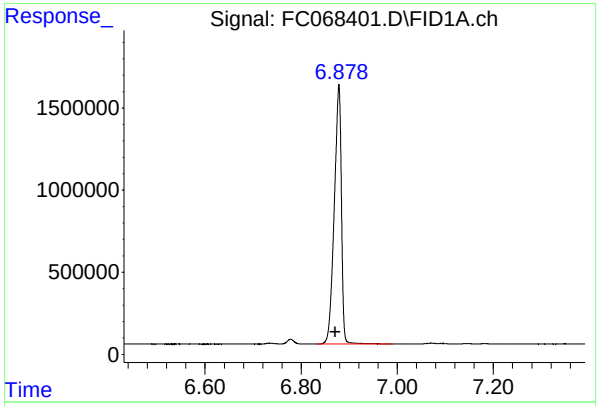
#3 A~Naphthalene (C11.7)

R.T.: 5.825 min
Delta R.T.: 0.006 min
Response: 16689744
Conc: 90.34 ug/ml



#4 n-Dodecane (C12)

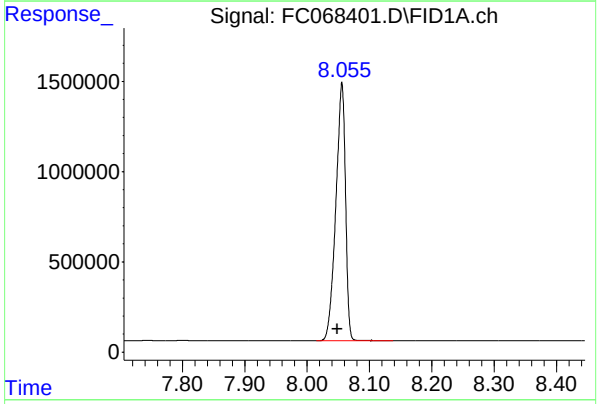
R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 15304699
Conc: 89.49 ug/ml



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

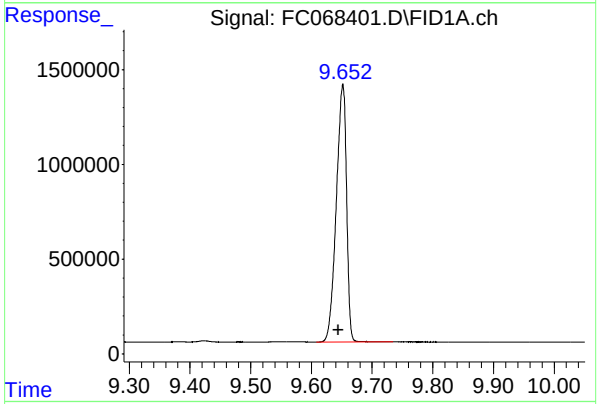
R.T.: 6.878 min
Delta R.T.: 0.007 min
Response: 16293302
Conc: 91.37 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



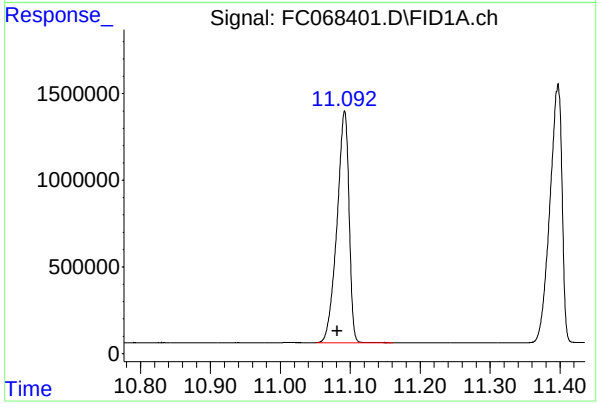
#6 n-Tetradecane (C14)

R.T.: 8.055 min
Delta R.T.: 0.007 min
Response: 15405712
Conc: 89.85 ug/ml



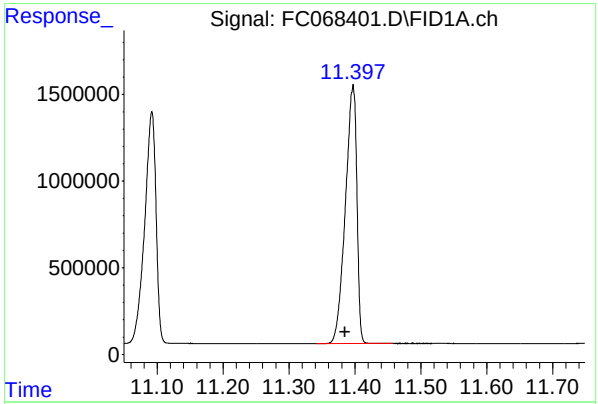
#7 n-Hexadecane (C16)

R.T.: 9.651 min
Delta R.T.: 0.007 min
Response: 15960315
Conc: 88.86 ug/ml



#8 n-Octadecane (C18)

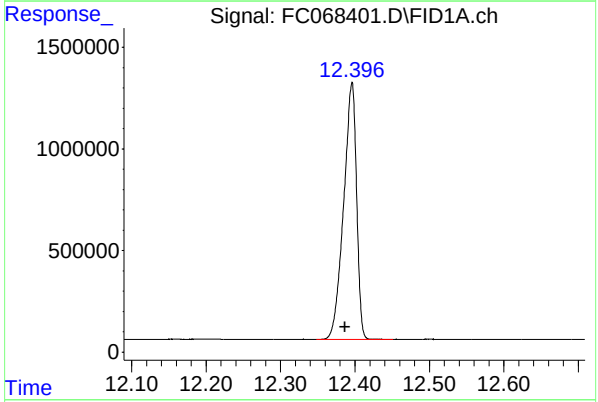
R.T.: 11.091 min
Delta R.T.: 0.010 min
Response: 16014633
Conc: 87.30 ug/ml



#9 ortho-Terphenyl (SURR)

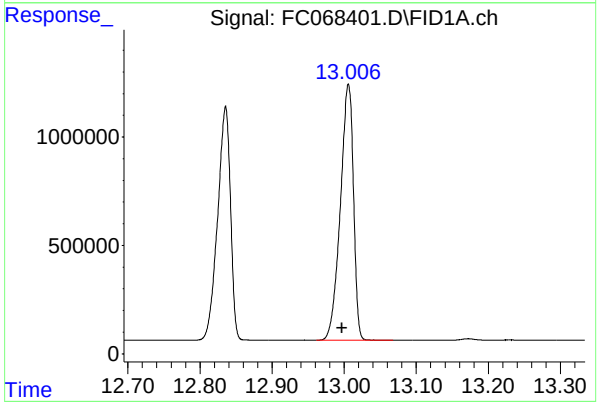
R.T.: 11.397 min
Delta R.T.: 0.012 min
Response: 18022152
Conc: 87.14 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



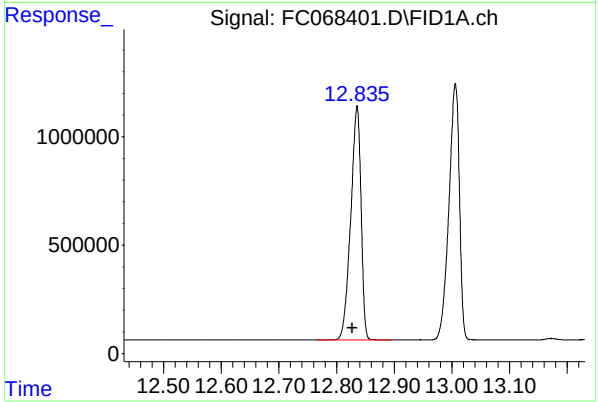
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.009 min
Response: 15259809
Conc: 85.61 ug/ml



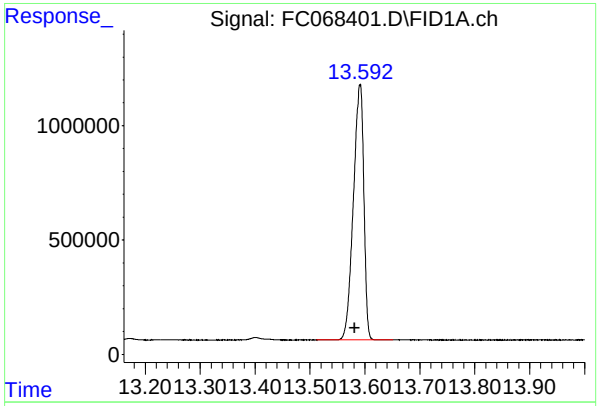
#11 n-Heneicosane (C21)

R.T.: 13.006 min
Delta R.T.: 0.009 min
Response: 14940993
Conc: 85.39 ug/ml



#12 1-chlorooctadecane (SURR)

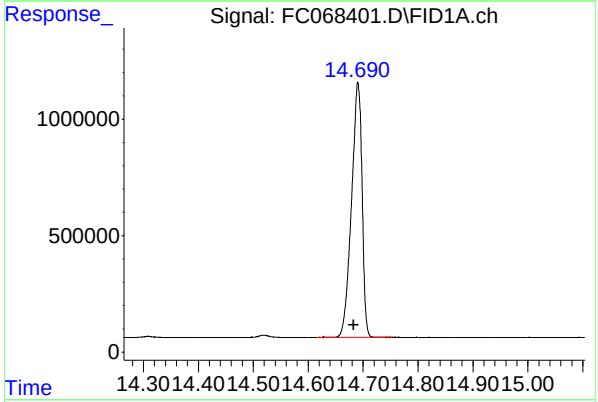
R.T.: 12.835 min
Delta R.T.: 0.008 min
Response: 13391425
Conc: 85.93 ug/ml



#13 n-Docosane (C22)

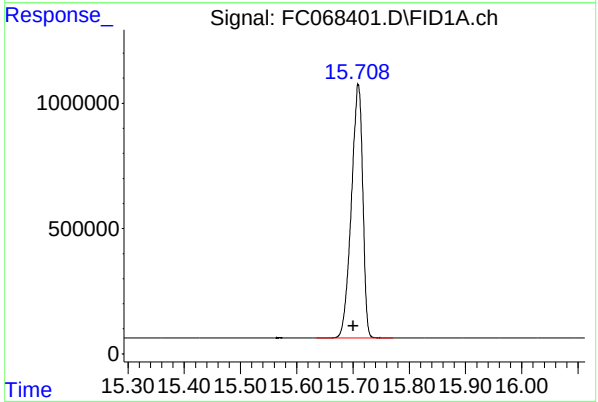
R.T.: 13.591 min
Delta R.T.: 0.009 min
Response: 14810036
Conc: 84.83 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



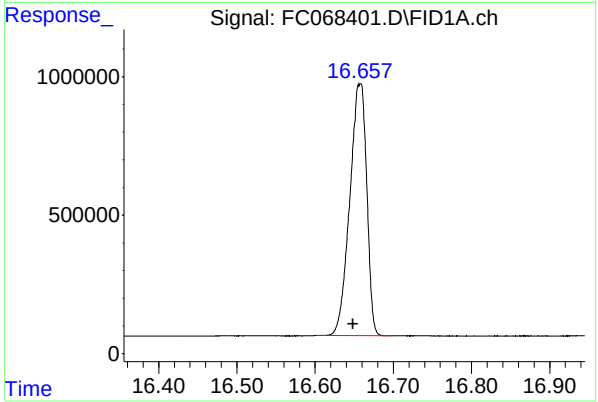
#14 n-Tetracosane (C24)

R.T.: 14.691 min
Delta R.T.: 0.008 min
Response: 14604400
Conc: 83.90 ug/ml



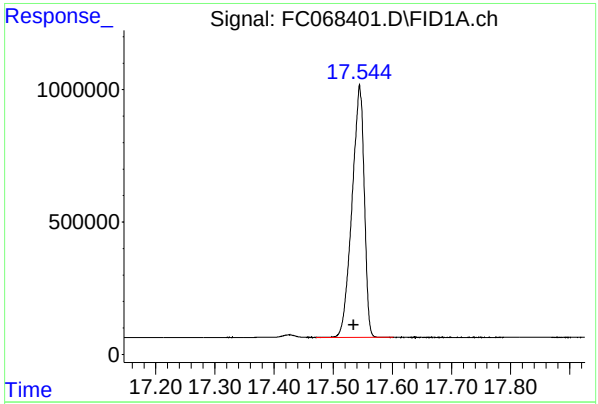
#15 n-Hexacosane (C26)

R.T.: 15.709 min
Delta R.T.: 0.009 min
Response: 14222474
Conc: 83.55 ug/ml



#16 n-Octacosane (C28)

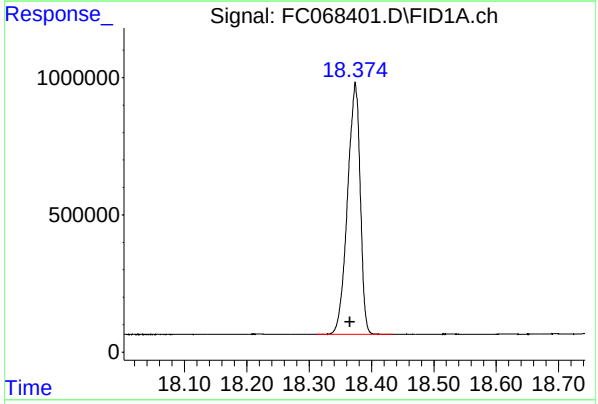
R.T.: 16.657 min
Delta R.T.: 0.009 min
Response: 13733998
Conc: 81.65 ug/ml



#17 n-Tricontane (C30)

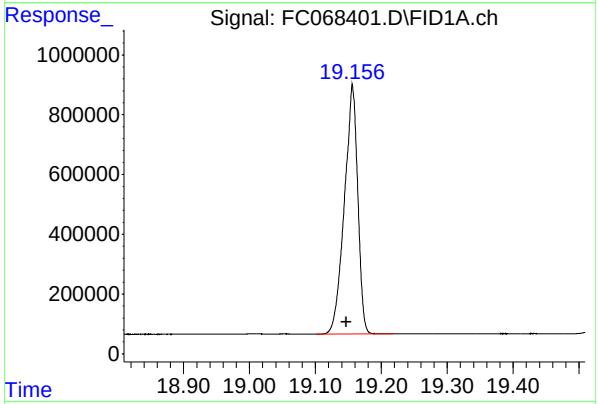
R.T.: 17.545 min
Delta R.T.: 0.010 min
Response: 13722934
Conc: 78.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



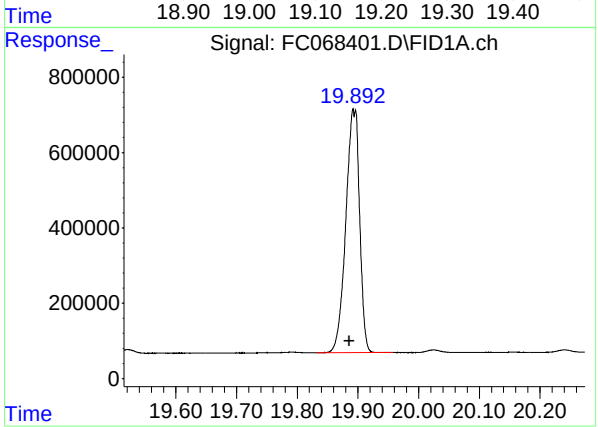
#18 n-Dotriacontane (C32)

R.T.: 18.374 min
Delta R.T.: 0.008 min
Response: 12956119
Conc: 76.43 ug/ml



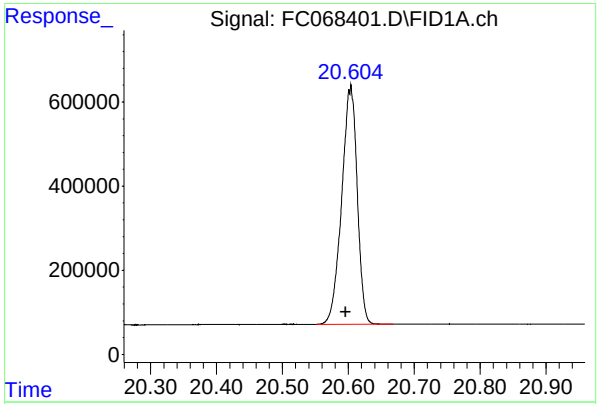
#19 n-Tetratriacontane (C34)

R.T.: 19.156 min
Delta R.T.: 0.009 min
Response: 11776981
Conc: 77.99 ug/ml



#20 n-Hexatriacontane (C36)

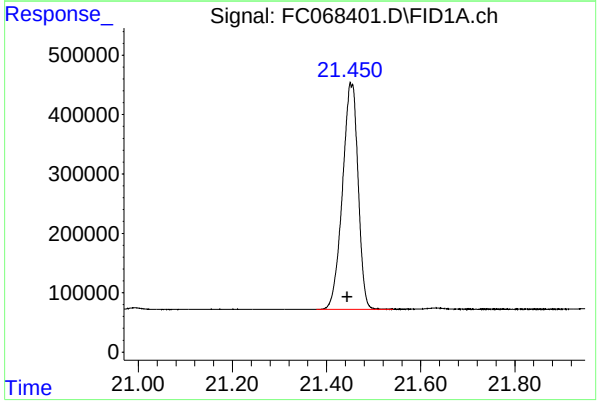
R.T.: 19.893 min
Delta R.T.: 0.008 min
Response: 10216728
Conc: 80.55 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.603 min
Delta R.T.: 0.008 min
Response: 9266089
Conc: 82.73 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.453 min
Delta R.T.: 0.008 min
Response: 8770167
Conc: 85.32 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
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 032625.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	3.203	3.161	3.274	BB	1719447	14755216	81.87%	4.742%
2	4.260	4.218	4.331	BB	1625059	15026852	83.38%	4.830%
3	5.825	5.781	5.928	BB	1681263	16689744	92.61%	5.364%
4	6.267	6.218	6.328	BB	1530304	15304699	84.92%	4.919%
5	6.878	6.831	6.991	BB	1564426	16293302	90.41%	5.237%
6	8.055	8.014	8.138	BB	1408500	15405712	85.48%	4.951%
7	9.651	9.608	9.734	BB	1357579	15960315	88.56%	5.130%
8	11.091	11.051	11.161	BB	1333868	16014633	88.86%	5.147%
9	11.397	11.341	11.458	BB	1500552	18022152	100.00%	5.792%
10	12.395	12.348	12.451	BB	1252392	15259809	84.67%	4.904%
11	12.835	12.764	12.898	BB	1068260	13391425	74.31%	4.304%
12	13.006	12.961	13.068	BB	1179776	14940993	82.90%	4.802%
13	13.591	13.511	13.651	BB	1126355	14810036	82.18%	4.760%
14	14.691	14.614	14.754	BB	1095361	14604400	81.04%	4.694%
15	15.709	15.634	15.771	BB	1007727	14222474	78.92%	4.571%
16	16.657	16.601	16.699	BBA	911782	13733998	76.21%	4.414%
17	17.545	17.471	17.601	BB	951533	13722934	76.14%	4.410%
18	18.374	18.311	18.434	BB	915155	12956119	71.89%	4.164%
19	19.156	19.101	19.218	BB	825897	11776981	65.35%	3.785%
20	19.893	19.831	19.958	BB	636073	10216728	56.69%	3.284%
21	20.603	20.551	20.668	BB	561524	9266089	51.41%	2.978%
22	21.453	21.378	21.541	BB	380222	8770167	48.66%	2.819%
			Sum of corrected areas:			311144777		

Aliphatic EPH 032625.M Wed Mar 26 15:20:51 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
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: Mar 26 13:12:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.390	9464670	45.765 ug/ml
	Spiked Amount 50.000		Recovery = 91.53%	
12)	S 1-chlorooctadecane (S...	12.830	7002346	44.932 ug/ml
	Spiked Amount 50.000		Recovery = 89.86%	
	Target Compounds			
1)	T n-Nonane (C9)	3.202	7855746	47.372 ug/ml
2)	T n-Decane (C10)	4.257	7995500	47.421 ug/ml
3)	T A~Naphthalene (C11.7)	5.821	8815730	47.718 ug/ml
4)	T n-Dodecane (C12)	6.263	8106450	47.398 ug/ml
5)	T A~2-methylnaphthalene...	6.873	8570514	48.060 ug/ml
6)	T n-Tetradecane (C14)	8.050	8121733	47.367 ug/ml
7)	T n-Hexadecane (C16)	9.646	8403555	46.785 ug/ml
8)	T n-Octadecane (C18)	11.085	8427177	45.938 ug/ml
10)	T n-Eicosane (C20)	12.389	8040363	45.110 ug/ml
11)	T n-Heneicosane (C21)	13.000	7833568	44.768 ug/ml
13)	T n-Docosane (C22)	13.585	7826241	44.829 ug/ml
14)	T n-Tetracosane (C24)	14.685	7903096	45.404 ug/ml
15)	T n-Hexacosane (C26)	15.704	7744438	45.496 ug/ml
16)	T n-Octacosane (C28)	16.652	7509178	44.641 ug/ml
17)	T n-Tricontane (C30)	17.537	7529162	42.978 ug/ml
18)	T n-Dotriacontane (C32)	18.368	7082773	41.783 ug/ml
19)	T n-Tetratriacontane (C34)	19.151	6355847	42.092 ug/ml
20)	T n-Hexatriacontane (C36)	19.888	5418030	42.719 ug/ml
21)	T n-Octatriacontane (C38)	20.599	4849344	43.297 ug/ml
22)	T n-Tetracontane (C40)	21.447	4538954	44.155 ug/ml

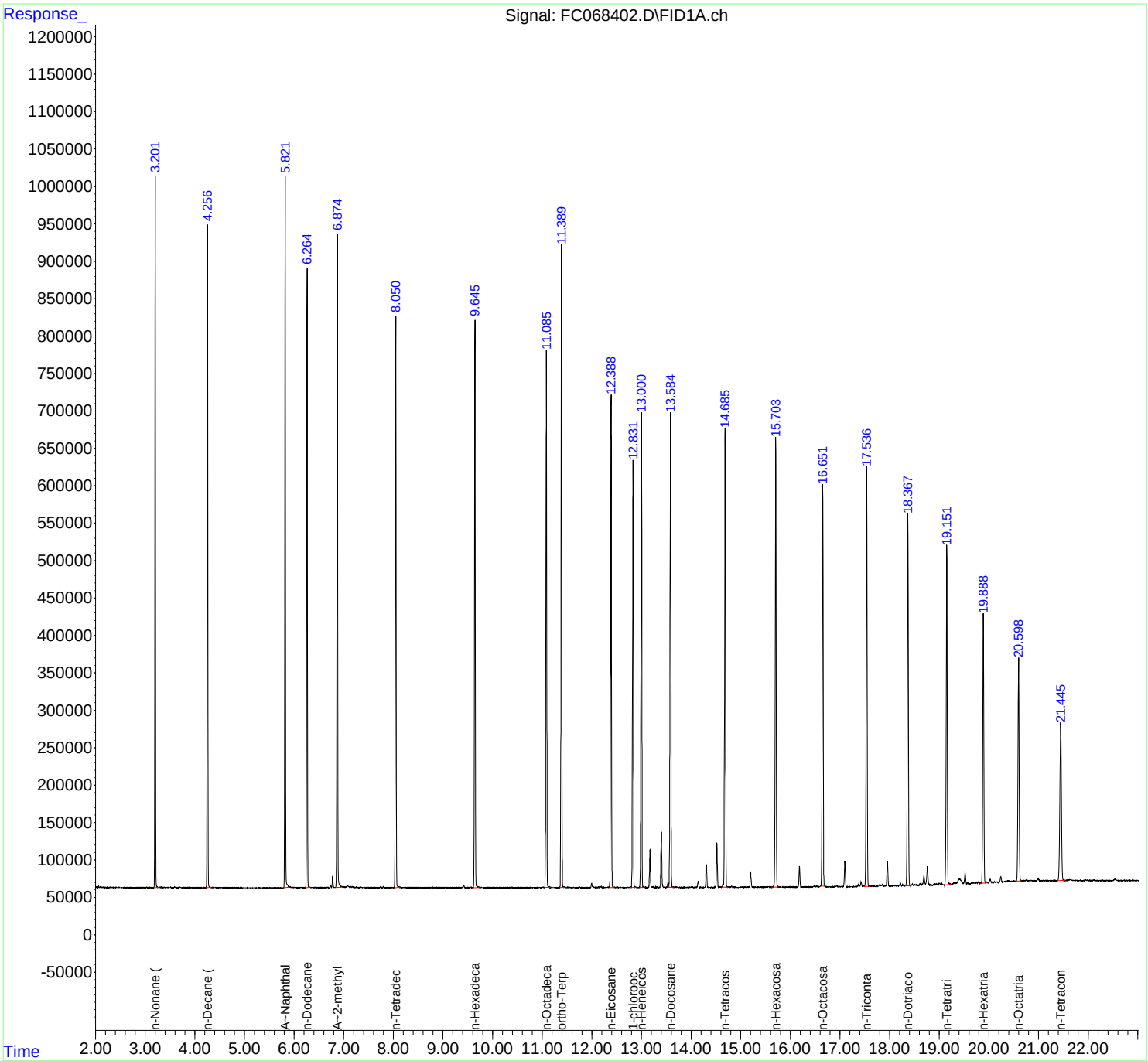
(f)=RT Delta > 1/2 Window (m)=manual int.

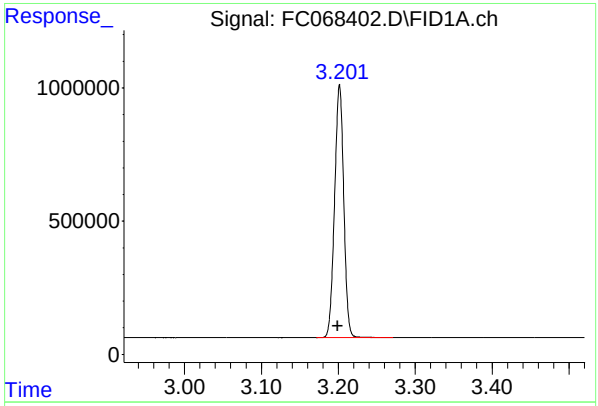
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 26 13:12:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

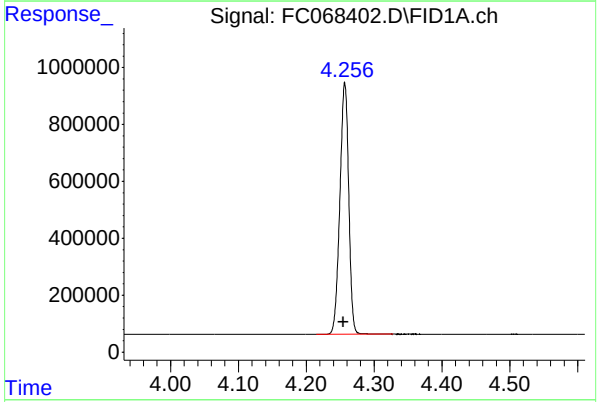




#1 n-Nonane (C9)

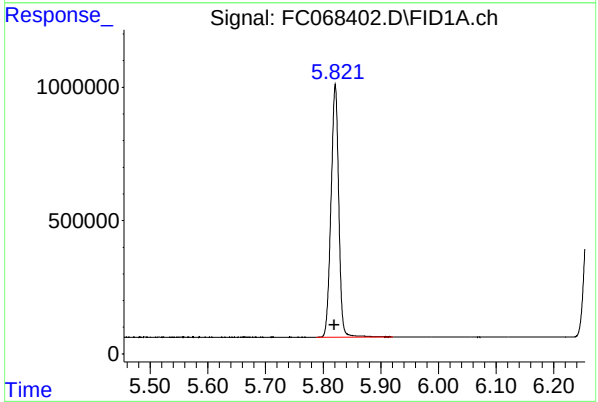
R.T.: 3.202 min
Delta R.T.: 0.003 min
Response: 7855746
Conc: 47.37 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



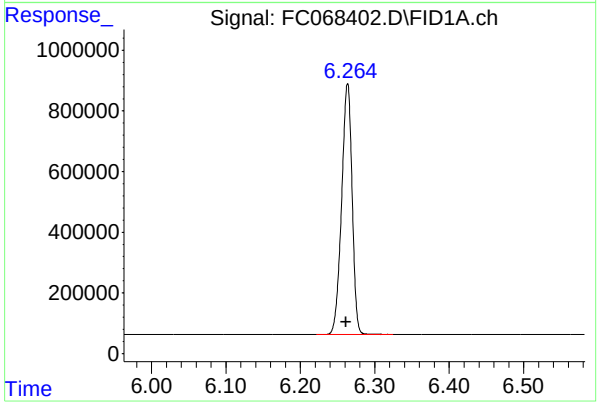
#2 n-Decane (C10)

R.T.: 4.257 min
Delta R.T.: 0.002 min
Response: 7995500
Conc: 47.42 ug/ml



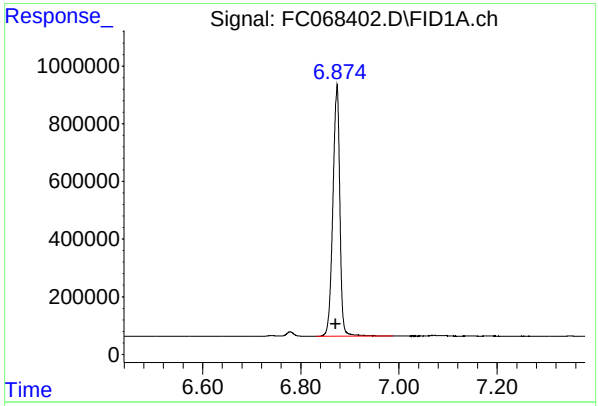
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.002 min
Response: 8815730
Conc: 47.72 ug/ml



#4 n-Dodecane (C12)

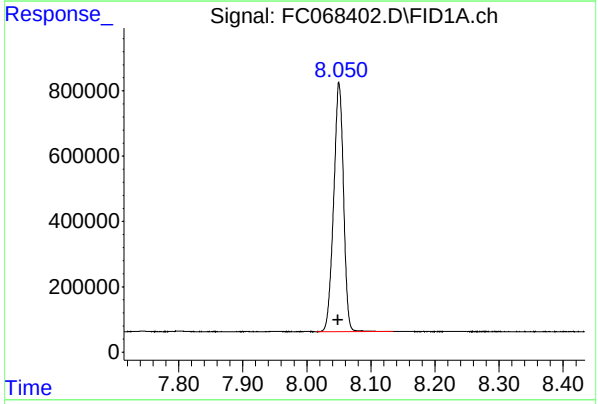
R.T.: 6.263 min
Delta R.T.: 0.002 min
Response: 8106450
Conc: 47.40 ug/ml



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

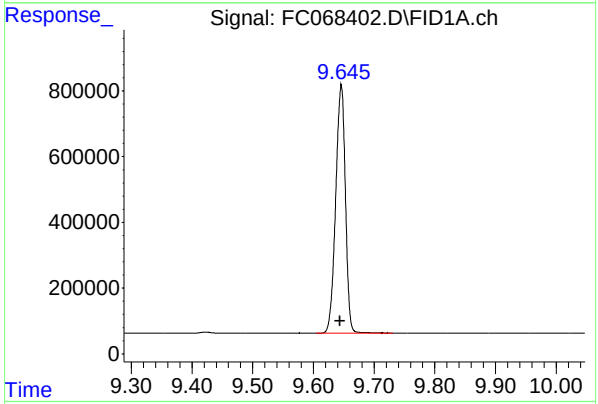
R.T.: 6.873 min
Delta R.T.: 0.003 min
Response: 8570514
Conc: 48.06 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



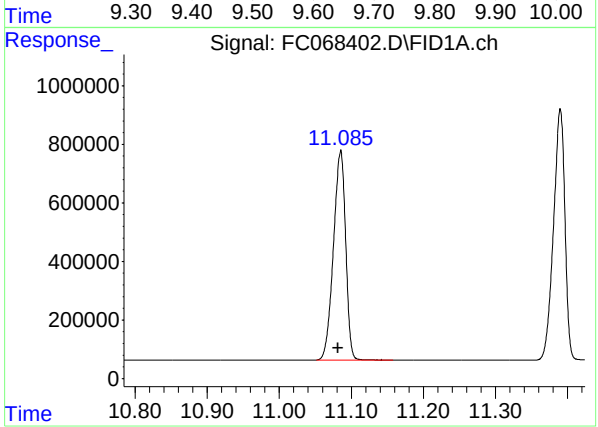
#6 n-Tetradecane (C14)

R.T.: 8.050 min
Delta R.T.: 0.002 min
Response: 8121733
Conc: 47.37 ug/ml



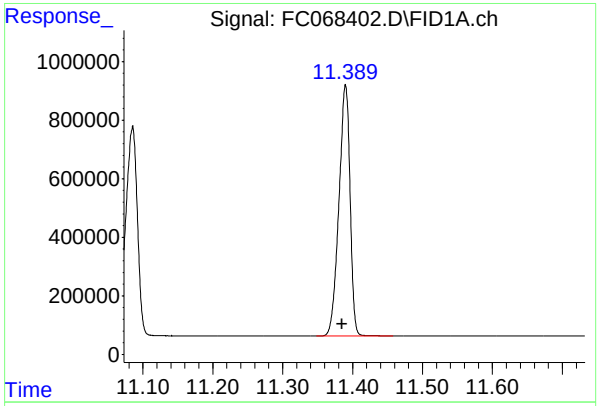
#7 n-Hexadecane (C16)

R.T.: 9.646 min
Delta R.T.: 0.002 min
Response: 8403555
Conc: 46.78 ug/ml



#8 n-Octadecane (C18)

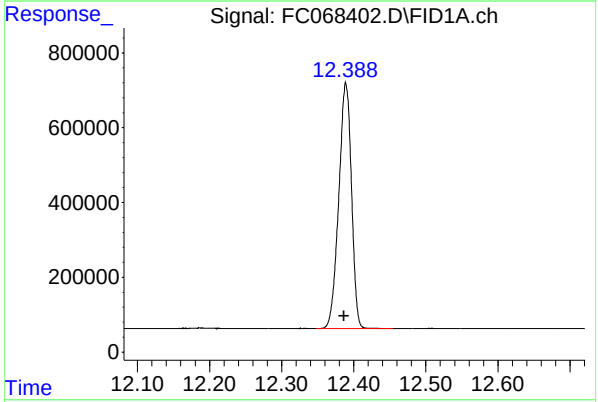
R.T.: 11.085 min
Delta R.T.: 0.003 min
Response: 8427177
Conc: 45.94 ug/ml



#9 ortho-Terphenyl (SURR)

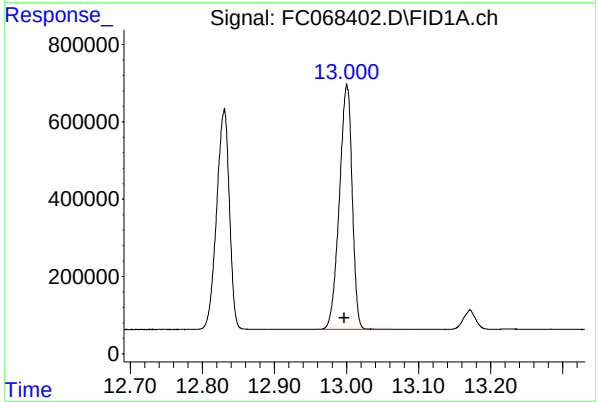
R.T.: 11.390 min
Delta R.T.: 0.005 min
Response: 9464670
Conc: 45.76 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



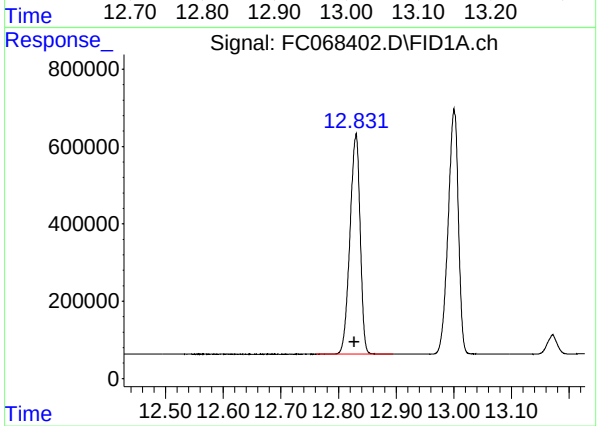
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 8040363
Conc: 45.11 ug/ml



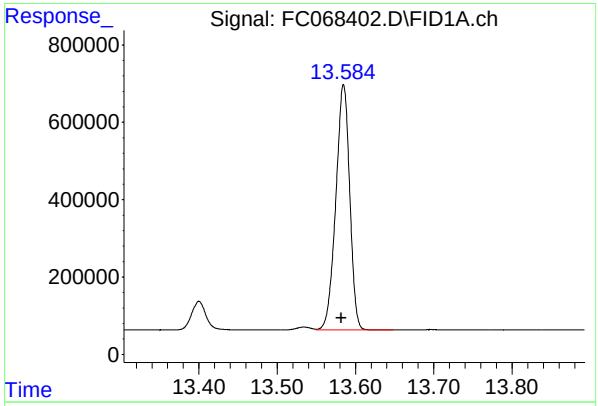
#11 n-Heneicosane (C21)

R.T.: 13.000 min
Delta R.T.: 0.003 min
Response: 7833568
Conc: 44.77 ug/ml



#12 1-chlorooctadecane (SURR)

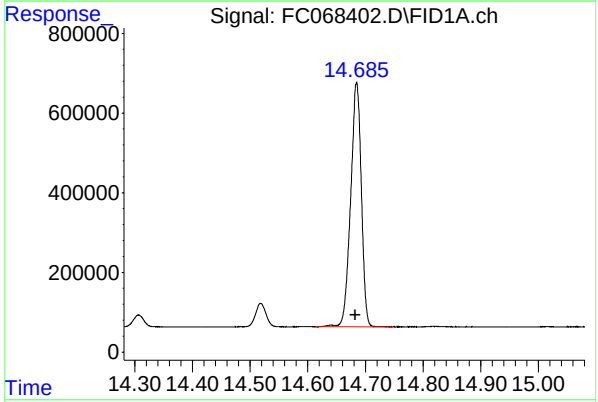
R.T.: 12.830 min
Delta R.T.: 0.003 min
Response: 7002346
Conc: 44.93 ug/ml



#13 n-Docosane (C22)

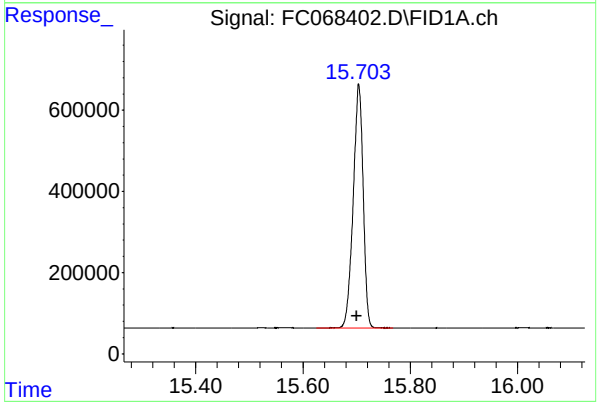
R.T.: 13.585 min
Delta R.T.: 0.003 min
Response: 7826241
Conc: 44.83 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



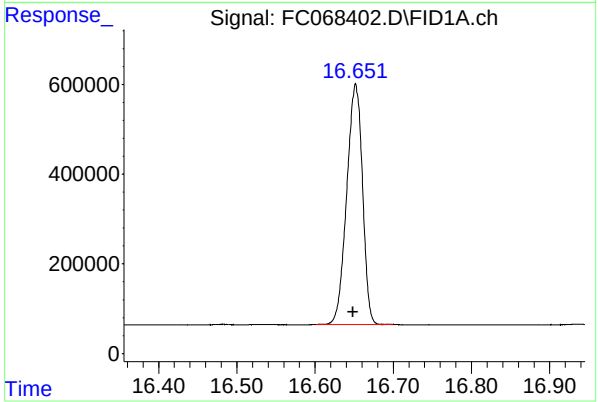
#14 n-Tetracosane (C24)

R.T.: 14.685 min
Delta R.T.: 0.002 min
Response: 7903096
Conc: 45.40 ug/ml



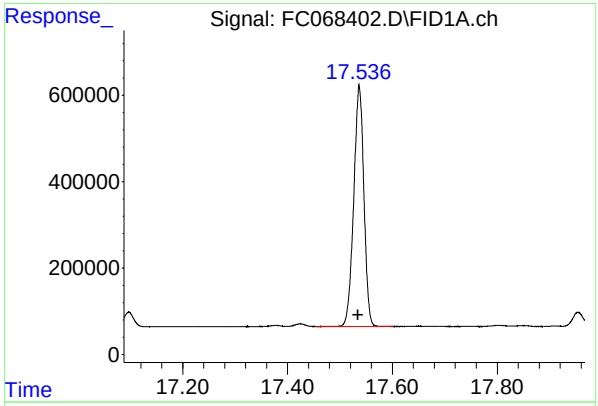
#15 n-Hexacosane (C26)

R.T.: 15.704 min
Delta R.T.: 0.004 min
Response: 7744438
Conc: 45.50 ug/ml



#16 n-Octacosane (C28)

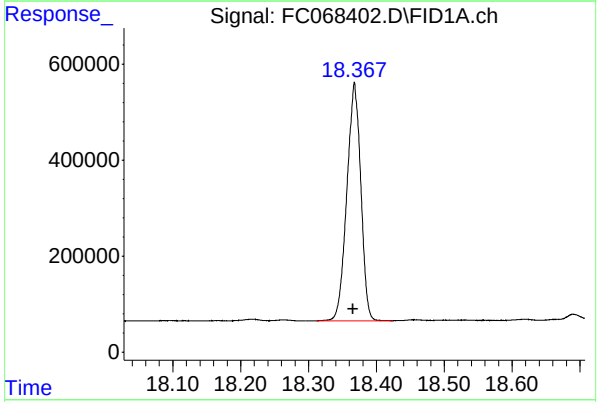
R.T.: 16.652 min
Delta R.T.: 0.003 min
Response: 7509178
Conc: 44.64 ug/ml



#17 n-Tricontane (C30)

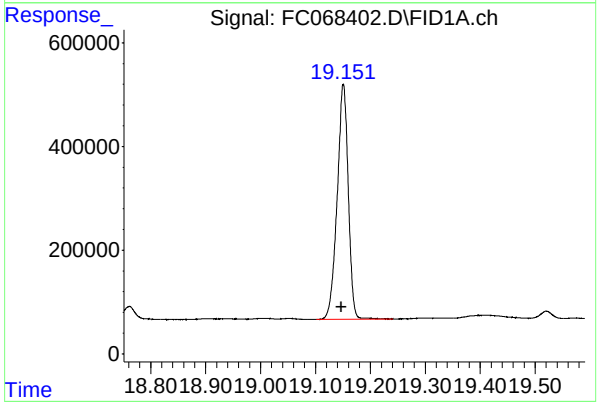
R.T.: 17.537 min
Delta R.T.: 0.003 min
Response: 7529162
Conc: 42.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



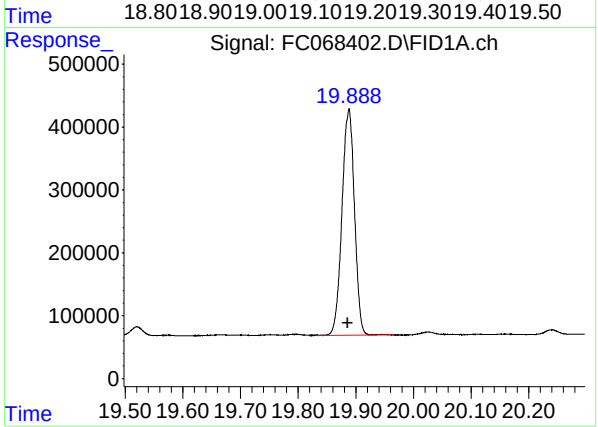
#18 n-Dotriacontane (C32)

R.T.: 18.368 min
Delta R.T.: 0.002 min
Response: 7082773
Conc: 41.78 ug/ml



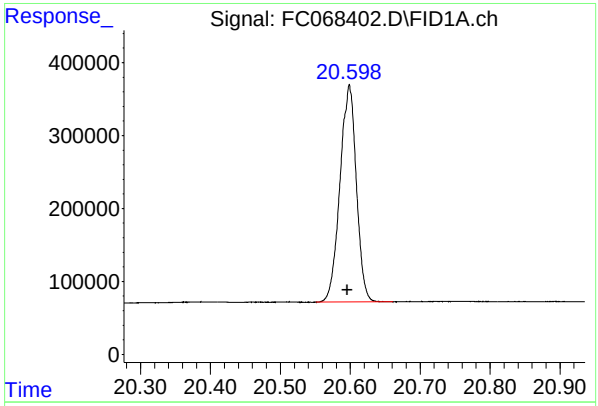
#19 n-Tetratriacontane (C34)

R.T.: 19.151 min
Delta R.T.: 0.003 min
Response: 6355847
Conc: 42.09 ug/ml



#20 n-Hexatriacontane (C36)

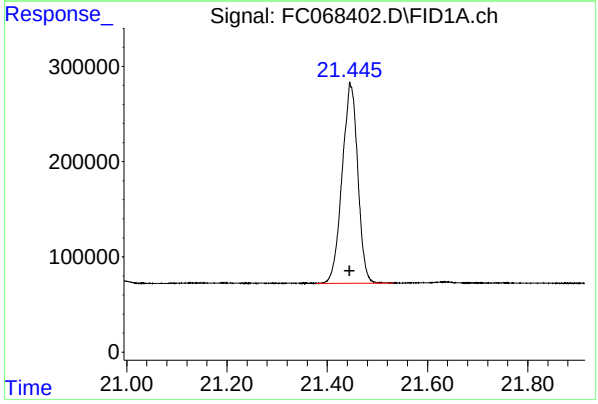
R.T.: 19.888 min
Delta R.T.: 0.002 min
Response: 5418030
Conc: 42.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.599 min
Delta R.T.: 0.003 min
Response: 4849344
Conc: 43.30 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.447 min
Delta R.T.: 0.002 min
Response: 4538954
Conc: 44.16 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
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 032625.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	3.202	3.171	3.271	BB	944694	7855746	83.00%	4.750%
2	4.257	4.214	4.328	BB	886400	7995500	84.48%	4.834%
3	5.821	5.788	5.921	BB	946921	8815730	93.14%	5.330%
4	6.263	6.221	6.324	BB	834713	8106450	85.65%	4.901%
5	6.873	6.831	6.988	BB	878081	8570514	90.55%	5.182%
6	8.050	8.014	8.134	BB	759159	8121733	85.81%	4.911%
7	9.646	9.604	9.731	BB	747325	8403555	88.79%	5.081%
8	11.085	11.051	11.158	BB	711590	8427177	89.04%	5.095%
9	11.390	11.348	11.458	BB	860822	9464670	100.00%	5.722%
10	12.389	12.348	12.454	BB	654201	8040363	84.95%	4.861%
11	12.830	12.761	12.894	BB	572237	7002346	73.98%	4.234%
12	13.000	12.958	13.064	BB	633767	7833568	82.77%	4.736%
13	13.585	13.550	13.648	VB	635349	7826241	82.69%	4.732%
14	14.685	14.614	14.748	BB	614585	7903096	83.50%	4.778%
15	15.704	15.624	15.768	BB	600248	7744438	81.82%	4.682%
16	16.652	16.601	16.699	BBA	533202	7509178	79.34%	4.540%
17	17.537	17.454	17.601	PB	553842	7529162	79.55%	4.552%
18	18.368	18.311	18.424	BV	493502	7082773	74.83%	4.282%
19	19.151	19.101	19.241	BB	454434	6355847	67.15%	3.843%
20	19.888	19.831	19.964	BB	358256	5418030	57.24%	3.276%
21	20.599	20.551	20.661	BB	296533	4849344	51.24%	2.932%
22	21.447	21.378	21.531	BB	206613	4538954	47.96%	2.744%
			Sum of corrected areas:			165394413		

Aliphatic EPH 032625.M Wed Mar 26 15:20:27 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
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: Mar 26 13:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.385	4136235	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.827	3116874	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.199	3316650	20.000 ug/ml
2) T	n-Decane (C10)	4.255	3372128	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.819	3694929	20.000 ug/ml
4) T	n-Dodecane (C12)	6.261	3420609	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.871	3566583	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.048	3429304	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.644	3592423	20.000 ug/ml
8) T	n-Octadecane (C18)	11.081	3668970	20.000 ug/ml
10) T	n-Eicosane (C20)	12.387	3564802	20.000 ug/ml
11) T	n-Heneicosane (C21)	12.997	3499643	20.000 ug/ml
13) T	n-Docosane (C22)	13.582	3491593	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.682	3481248	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.700	3404454	20.000 ug/ml
16) T	n-Octacosane (C28)	16.648	3364263	20.000 ug/ml
17) T	n-Tricontane (C30)	17.534	3503743	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.365	3390251	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.147	3020004	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.886	2536609	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.596	2240024	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.445	2055912	20.000 ug/ml

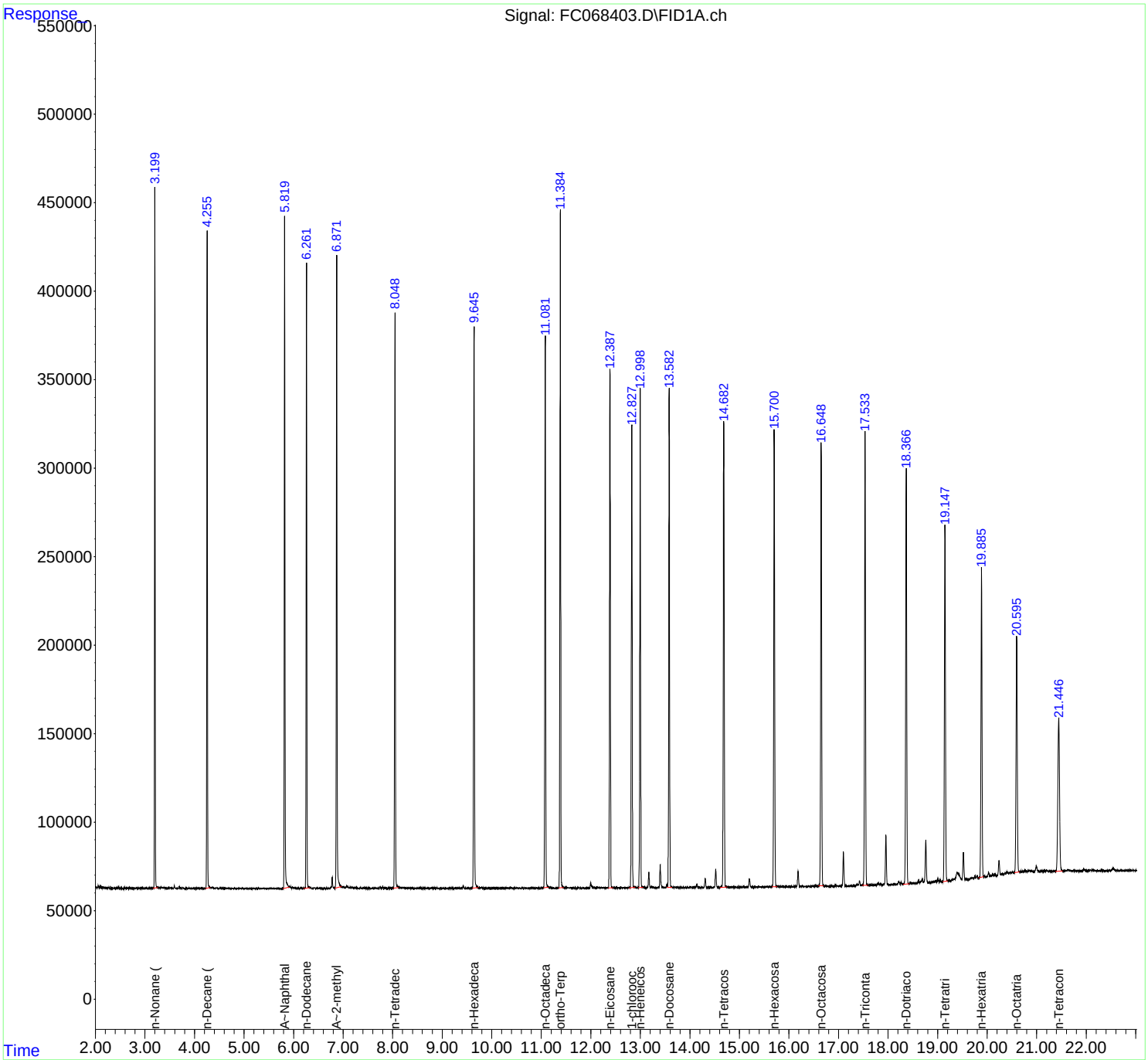
(f)=RT Delta > 1/2 Window (m)=manual int.

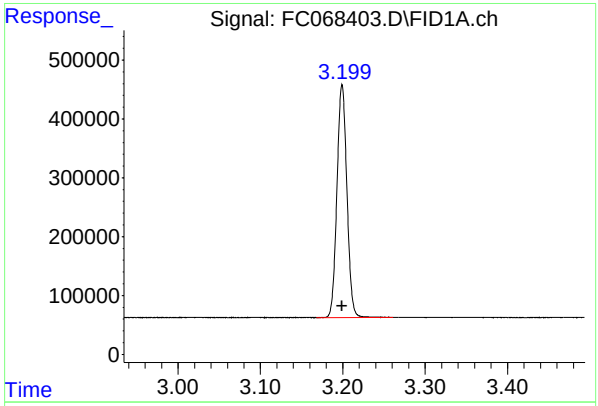
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 26 13:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

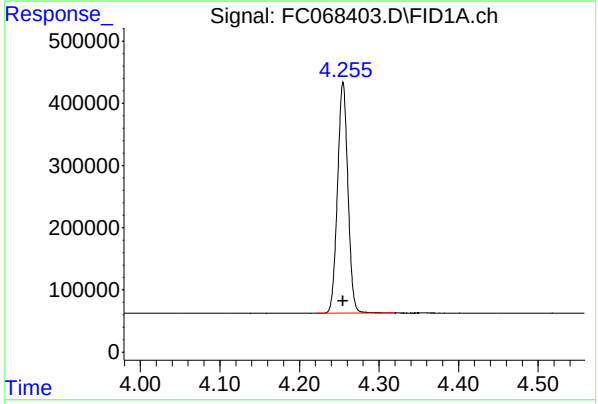




#1 n-Nonane (C9)

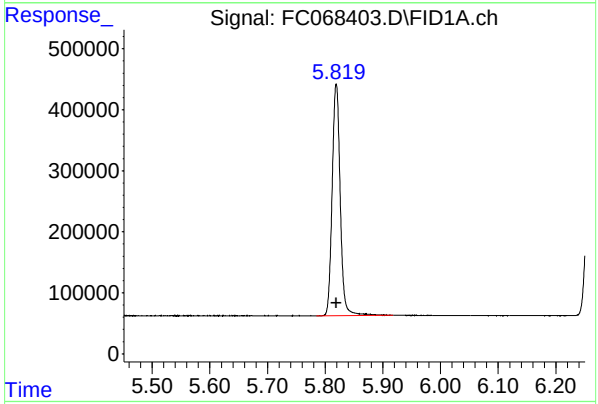
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3316650
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



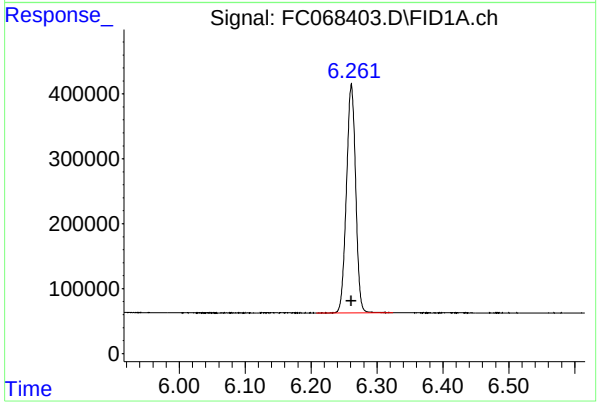
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3372128
Conc: 20.00 ug/ml



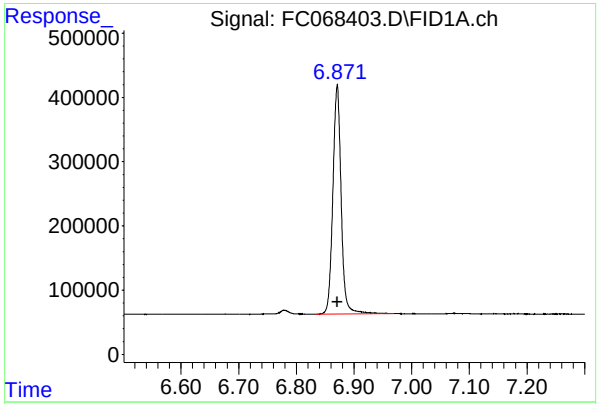
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3694929
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

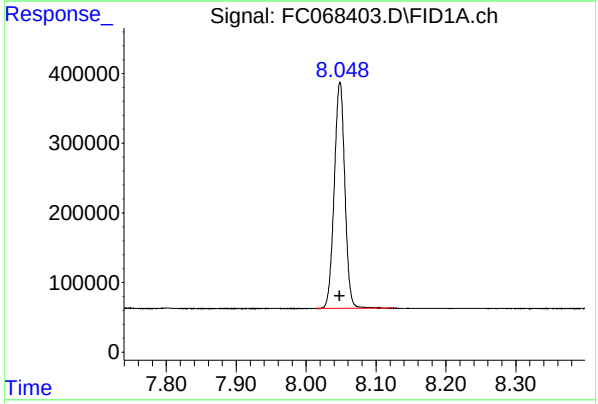
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3420609
Conc: 20.00 ug/ml



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

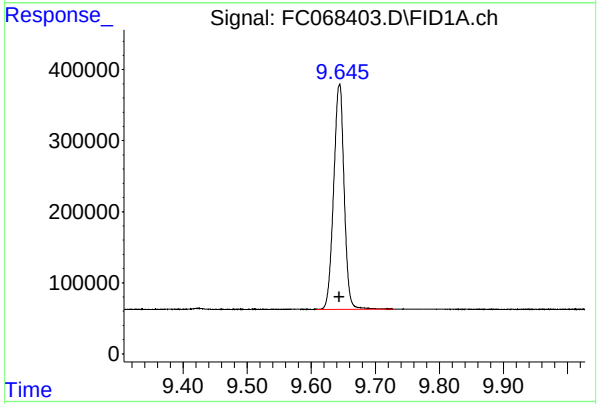
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3566583
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



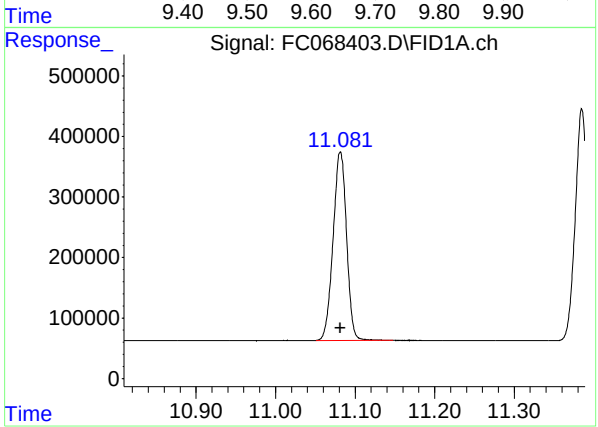
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 3429304
Conc: 20.00 ug/ml



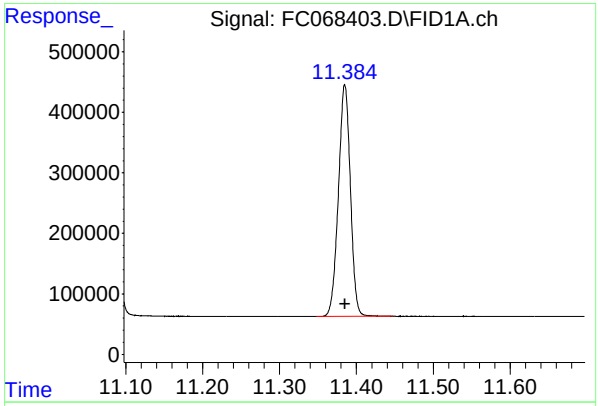
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3592423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

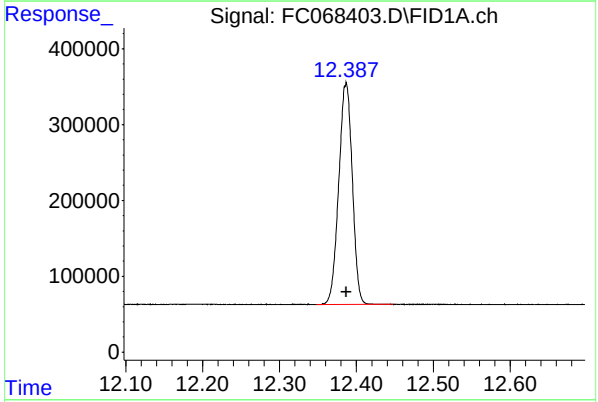
R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3668970
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

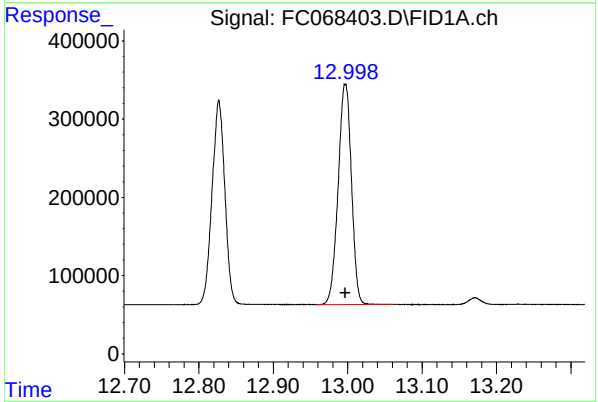
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4136235
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



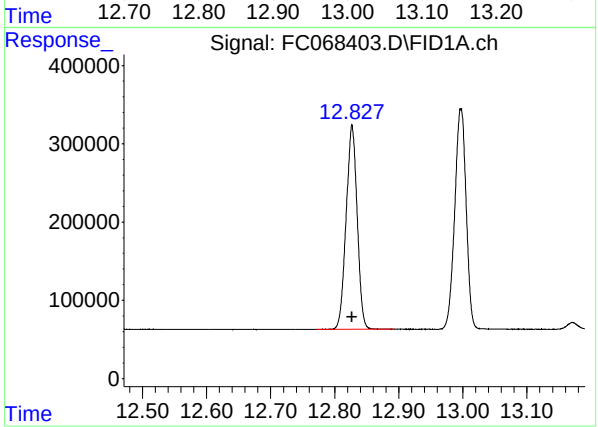
#10 n-Eicosane (C20)

R.T.: 12.387 min
Delta R.T.: 0.000 min
Response: 3564802
Conc: 20.00 ug/ml



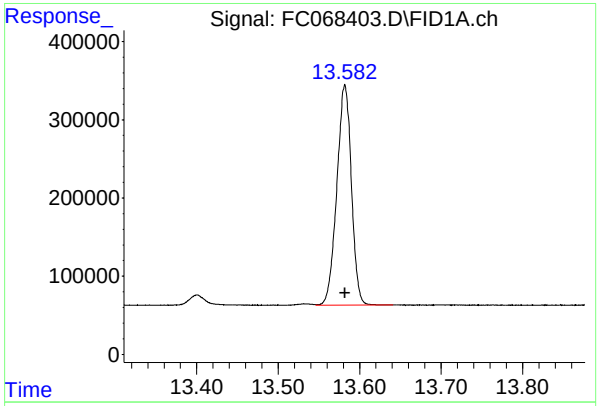
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3499643
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

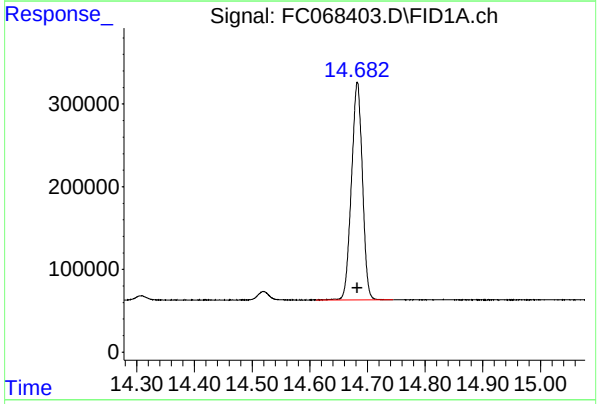
R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3116874
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

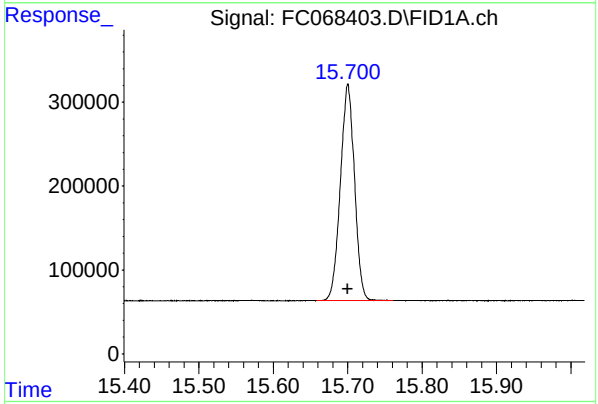
R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3491593
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



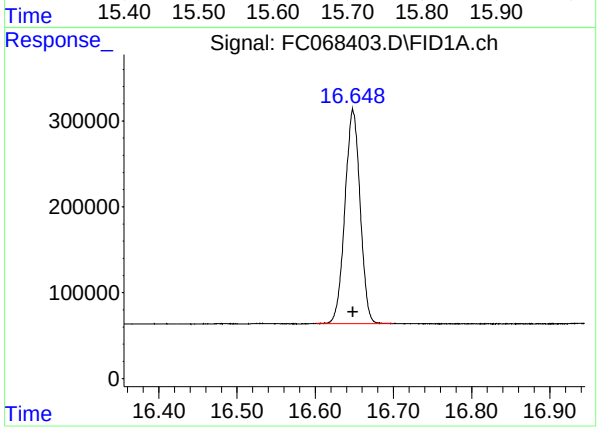
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3481248
Conc: 20.00 ug/ml



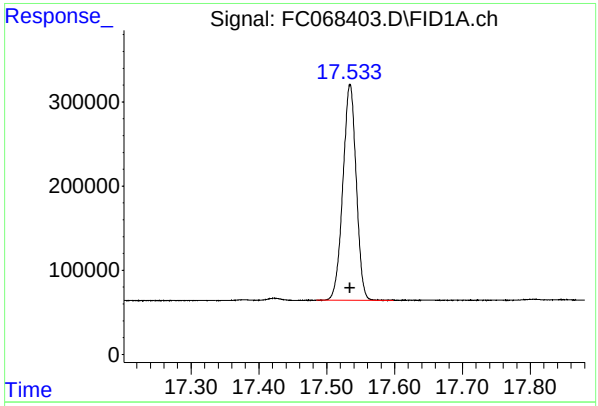
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3404454
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

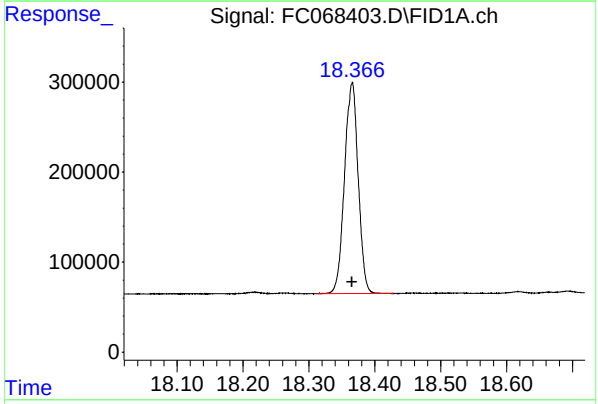
R.T.: 16.648 min
Delta R.T.: 0.000 min
Response: 3364263
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

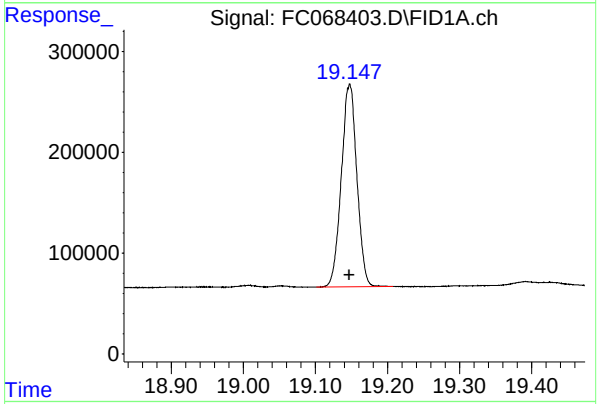
R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 3503743
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



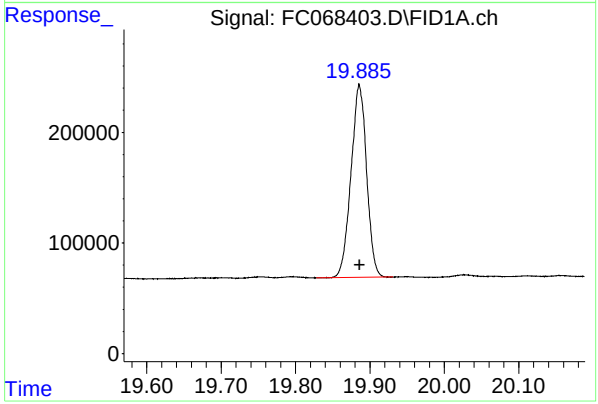
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3390251
Conc: 20.00 ug/ml



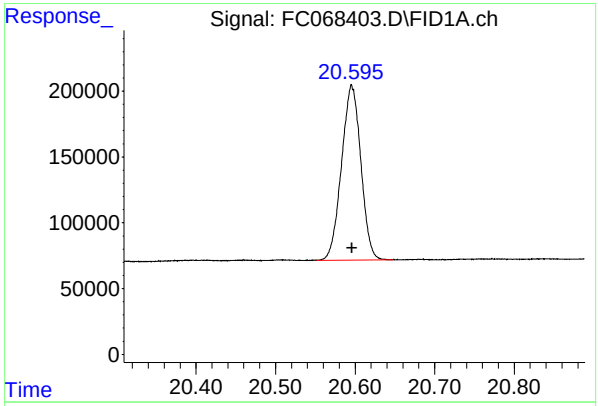
#19 n-Tetratriacontane (C34)

R.T.: 19.147 min
Delta R.T.: 0.000 min
Response: 3020004
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

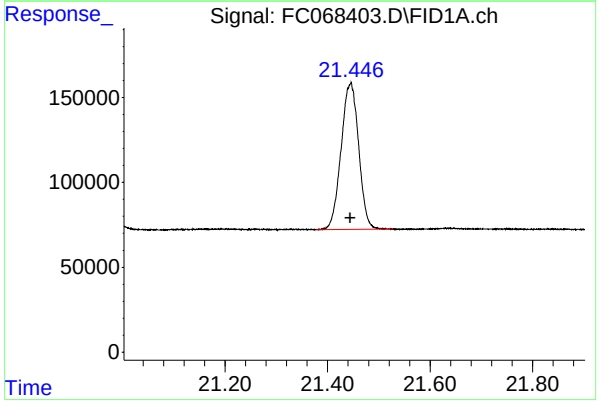
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 2536609
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 2240024
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.445 min
Delta R.T.: 0.000 min
Response: 2055912
Conc: 20.00 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
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 032625.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	3.199	3.168	3.261	BB	391897	3316650	80.19%	4.552%
2	4.255	4.221	4.318	BB	370053	3372128	81.53%	4.628%
3	5.819	5.784	5.918	BB	378942	3694929	89.33%	5.071%
4	6.261	6.208	6.324	BB	350271	3420609	82.70%	4.694%
5	6.871	6.834	6.968	BB	355486	3566583	86.23%	4.895%
6	8.048	8.014	8.124	BB	324096	3429304	82.91%	4.706%
7	9.644	9.608	9.728	BB	317980	3592423	86.85%	4.930%
8	11.081	11.051	11.148	BB	312639	3668970	88.70%	5.035%
9	11.385	11.348	11.448	BB	382989	4136235	100.00%	5.676%
10	12.387	12.348	12.448	BB	292059	3564802	86.18%	4.892%
11	12.827	12.771	12.891	BB	259906	3116874	75.36%	4.277%
12	12.997	12.958	13.061	BB	282416	3499643	84.61%	4.803%
13	13.582	13.547	13.641	VB	280961	3491593	84.41%	4.792%
14	14.682	14.611	14.744	BB	261965	3481248	84.16%	4.778%
15	15.700	15.658	15.761	BB	257212	3404454	82.31%	4.672%
16	16.648	16.601	16.699	BBA	248532	3364263	81.34%	4.617%
17	17.534	17.484	17.598	BB	256544	3503743	84.71%	4.808%
18	18.365	18.311	18.428	BB	232854	3390251	81.96%	4.653%
19	19.147	19.101	19.208	BB	200496	3020004	73.01%	4.145%
20	19.886	19.828	19.931	BB	173623	2536609	61.33%	3.481%
21	20.596	20.551	20.648	BB	132667	2240024	54.16%	3.074%
22	21.445	21.378	21.528	BB	85789	2055912	49.70%	2.821%
			Sum of corrected areas:			72867248		

Aliphatic EPH 032625.M Wed Mar 26 15:19:45 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
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: Mar 26 13:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 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)	11.384	2086658	10.090 ug/ml
Spiked Amount	50.000		Recovery =	20.18%
12) S	1-chlorooctadecane (S...	12.826	1580360	10.141 ug/ml
Spiked Amount	50.000		Recovery =	20.28%
	Target Compounds			
1) T	n-Nonane (C9)	3.200	1652195	9.963 ug/ml
2) T	n-Decane (C10)	4.255	1673518	9.926 ug/ml
3) T	A~Naphthalene (C11.7)	5.820	1817299	9.837 ug/ml
4) T	n-Dodecane (C12)	6.261	1706663	9.979 ug/ml
5) T	A~2-methylnaphthalene...	6.871	1740430	9.760 ug/ml
6) T	n-Tetradecane (C14)	8.047	1699414	9.911 ug/ml
7) T	n-Hexadecane (C16)	9.643	1787303	9.950 ug/ml
8) T	n-Octadecane (C18)	11.080	1839600	10.028 ug/ml
10) T	n-Eicosane (C20)	12.386	1812535	10.169 ug/ml
11) T	n-Heneicosane (C21)	12.996	1781013	10.178 ug/ml
13) T	n-Docosane (C22)	13.581	1793771	10.275 ug/ml
14) T	n-Tetracosane (C24)	14.681	1816027	10.433 ug/ml
15) T	n-Hexacosane (C26)	15.699	1777806	10.444 ug/ml
16) T	n-Octacosane (C28)	16.647	1765534	10.496 ug/ml
17) T	n-Tricontane (C30)	17.533	1853554	10.580 ug/ml
18) T	n-Dotriacontane (C32)	18.365	1792145	10.572 ug/ml
19) T	n-Tetratriacontane (C34)	19.146	1586807	10.509 ug/ml
20) T	n-Hexatriacontane (C36)	19.886	1308753	10.319 ug/ml
21) T	n-Octatriacontane (C38)	20.595	1139413	10.173 ug/ml
22) T	n-Tetracontane (C40)	21.443	1032339	10.043 ug/ml

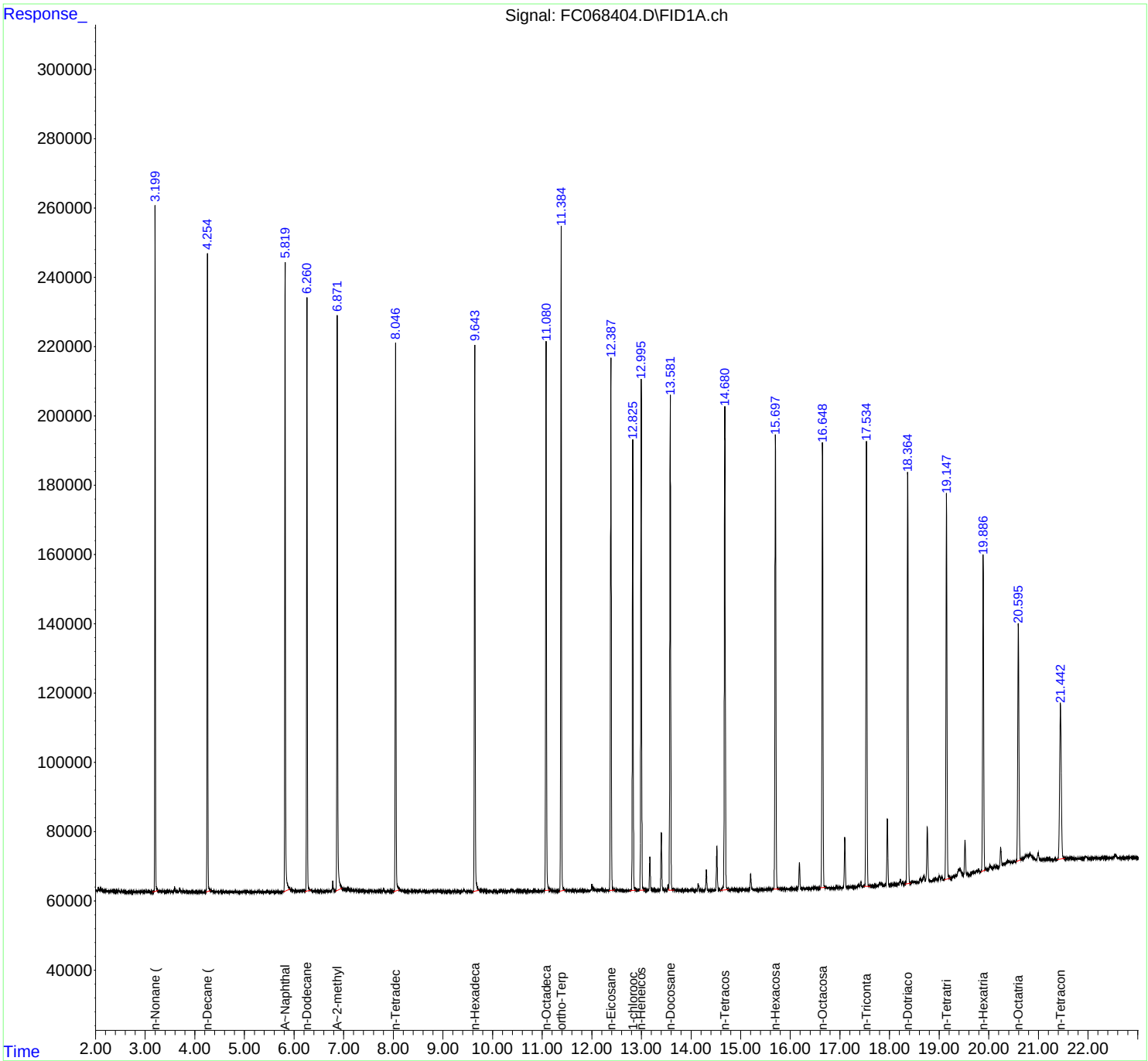
(f)=RT Delta > 1/2 Window (m)=manual int.

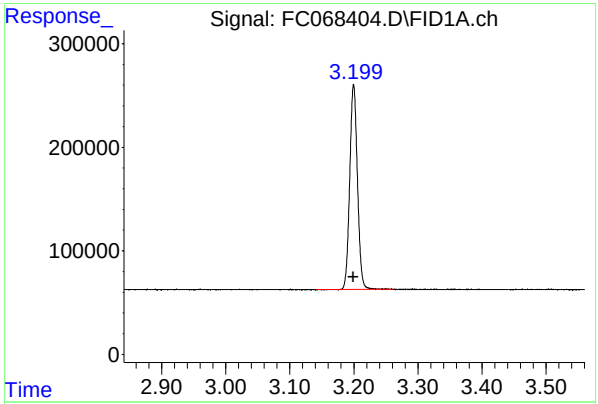
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 26 13:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

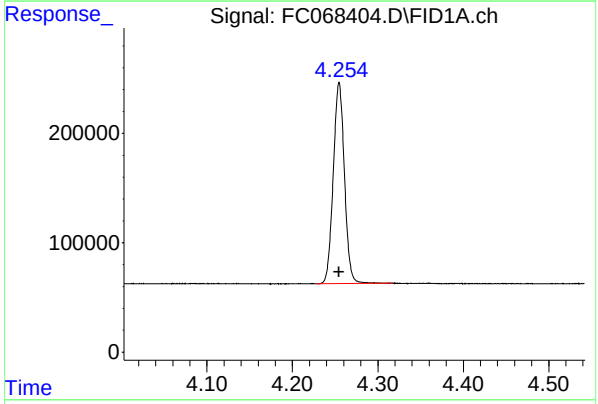




#1 n-Nonane (C9)

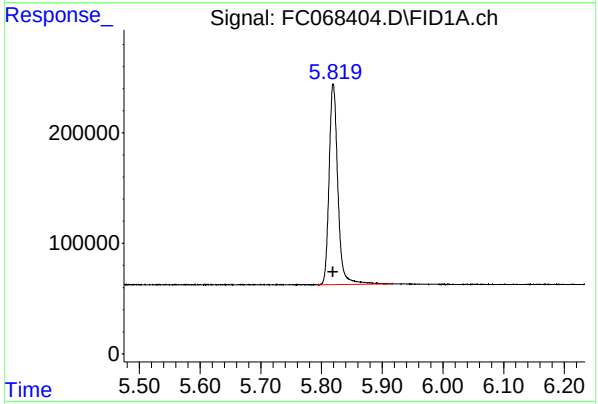
R.T.: 3.200 min
Delta R.T.: 0.000 min
Response: 1652195
Conc: 9.96 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



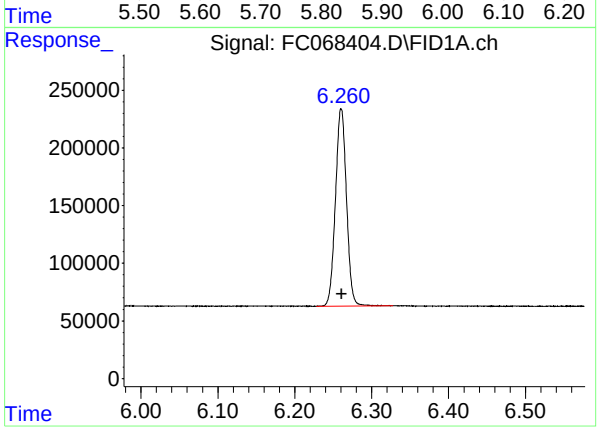
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1673518
Conc: 9.93 ug/ml



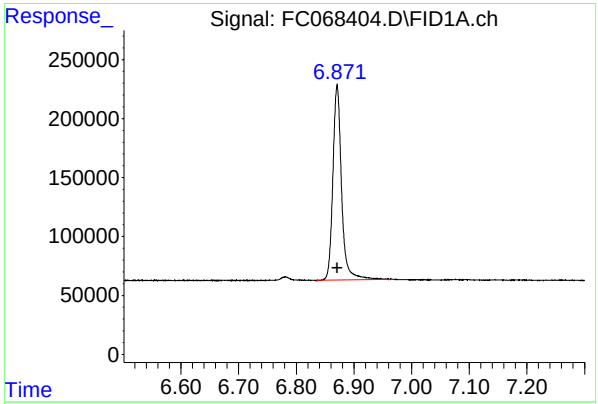
#3 A~Naphthalene (C11.7)

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 1817299
Conc: 9.84 ug/ml



#4 n-Dodecane (C12)

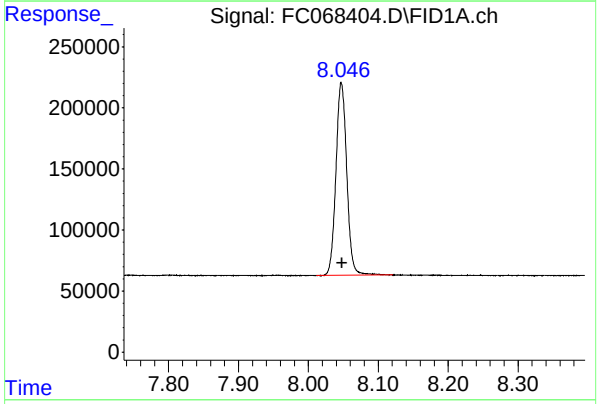
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 1706663
Conc: 9.98 ug/ml



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

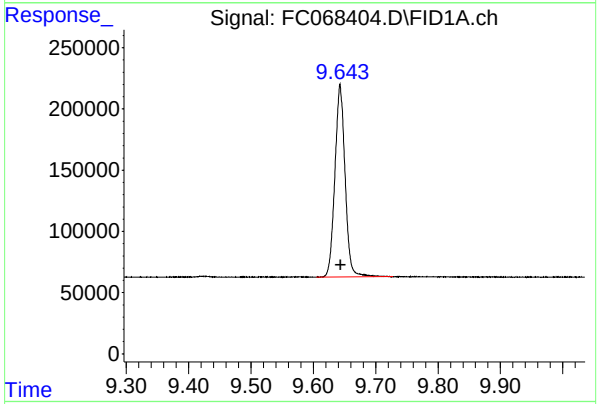
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 1740430
Conc: 9.76 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



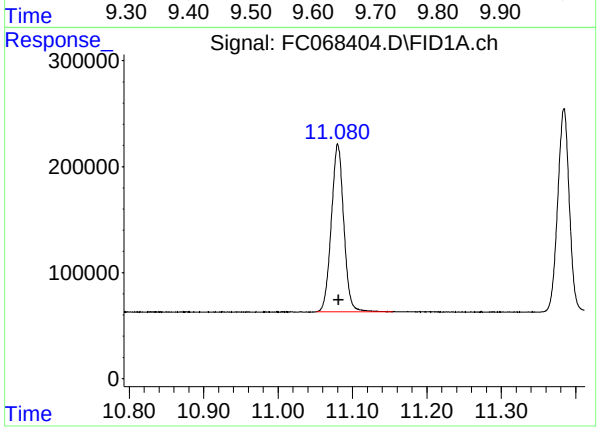
#6 n-Tetradecane (C14)

R.T.: 8.047 min
Delta R.T.: 0.000 min
Response: 1699414
Conc: 9.91 ug/ml



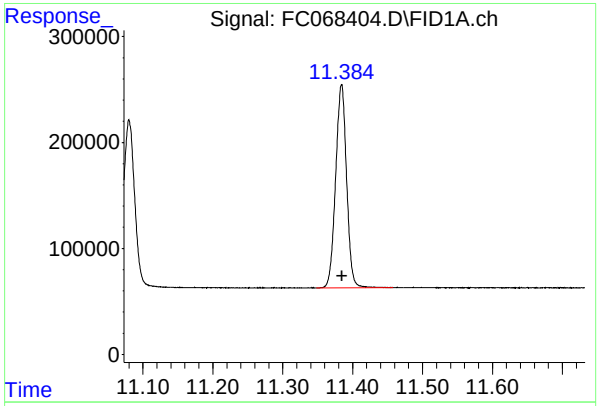
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 1787303
Conc: 9.95 ug/ml



#8 n-Octadecane (C18)

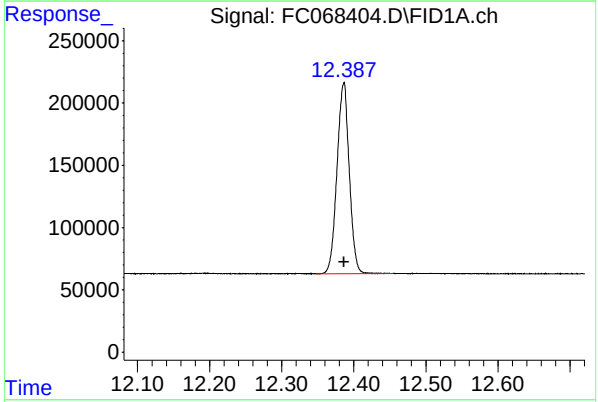
R.T.: 11.080 min
Delta R.T.: -0.001 min
Response: 1839600
Conc: 10.03 ug/ml



#9 ortho-Terphenyl (SURR)

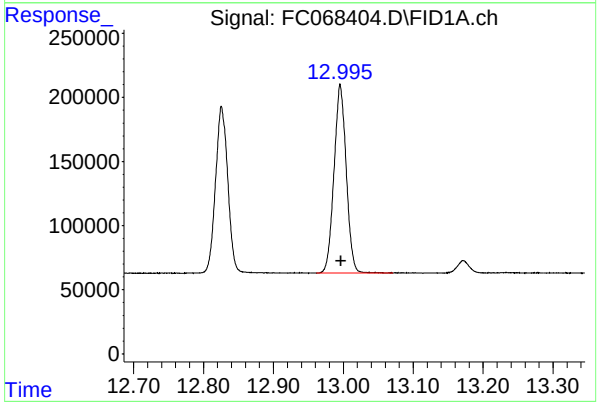
R.T.: 11.384 min
Delta R.T.: 0.000 min
Response: 2086658
Conc: 10.09 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



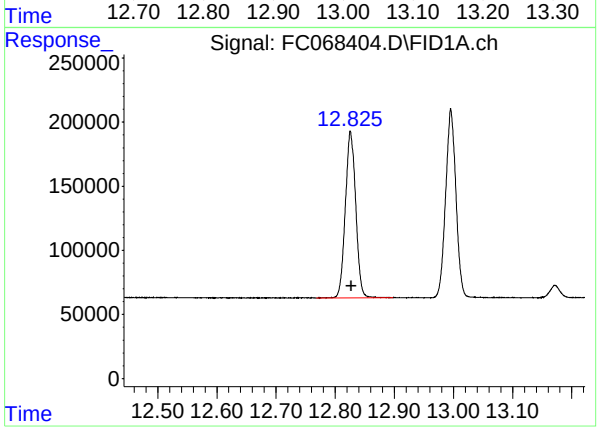
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 1812535
Conc: 10.17 ug/ml



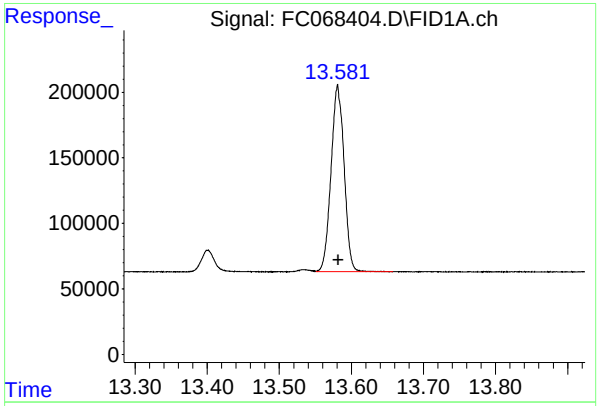
#11 n-Heneicosane (C21)

R.T.: 12.996 min
Delta R.T.: -0.001 min
Response: 1781013
Conc: 10.18 ug/ml



#12 1-chlorooctadecane (SURR)

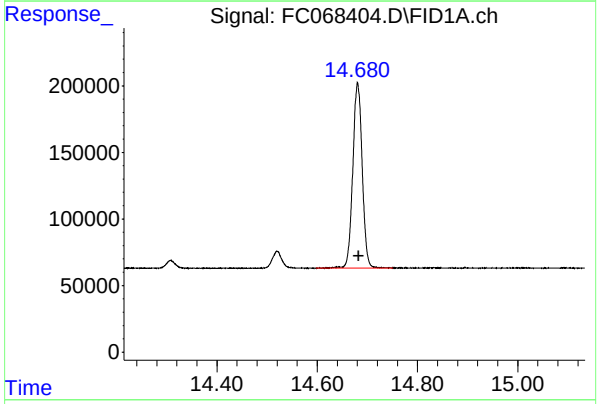
R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 1580360
Conc: 10.14 ug/ml



#13 n-Docosane (C22)

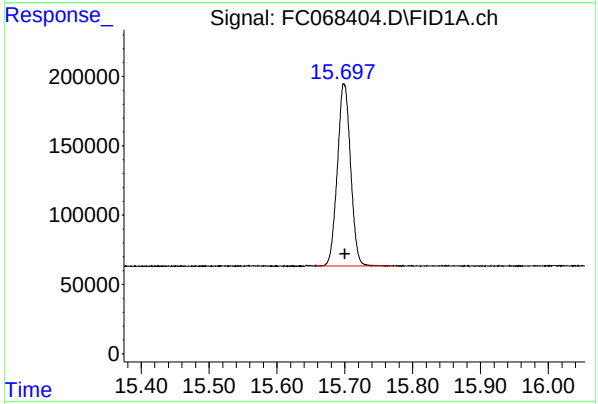
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 1793771
Conc: 10.27 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



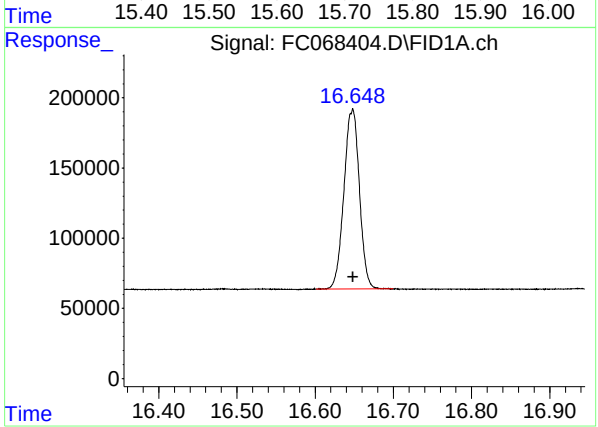
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 1816027
Conc: 10.43 ug/ml



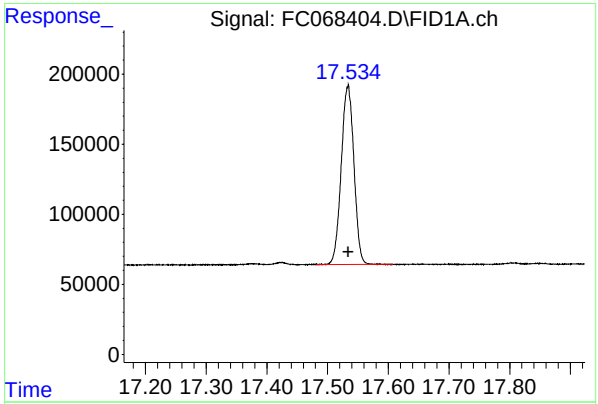
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 1777806
Conc: 10.44 ug/ml



#16 n-Octacosane (C28)

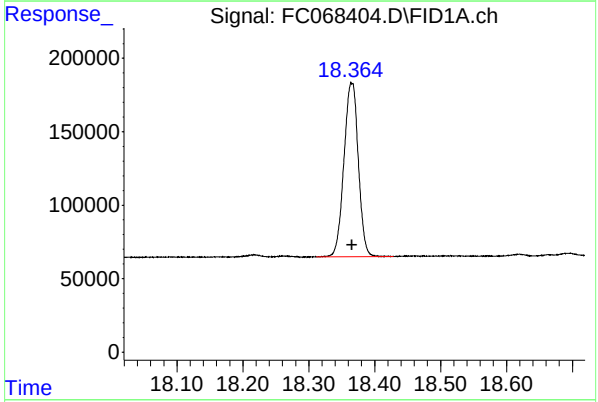
R.T.: 16.647 min
Delta R.T.: 0.000 min
Response: 1765534
Conc: 10.50 ug/ml



#17 n-Tricontane (C30)

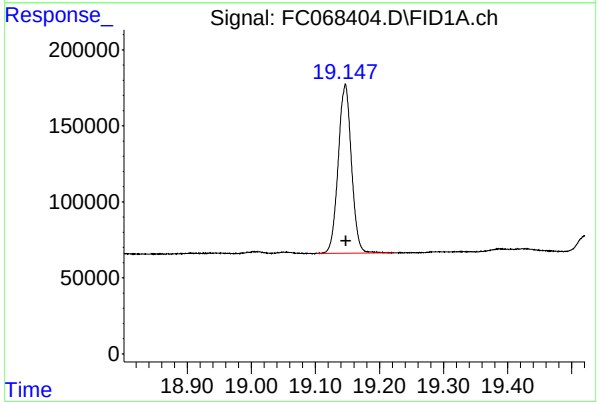
R.T.: 17.533 min
Delta R.T.: 0.000 min
Response: 1853554
Conc: 10.58 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



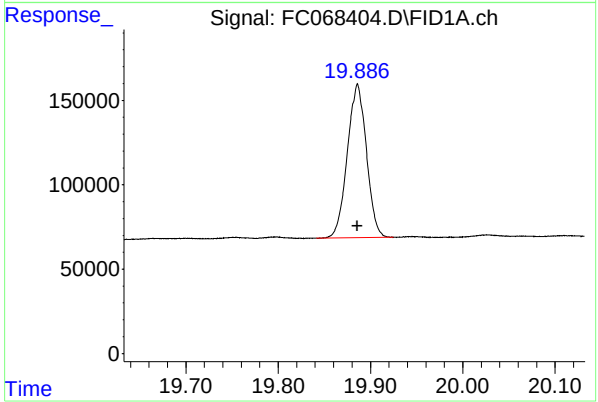
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 1792145
Conc: 10.57 ug/ml



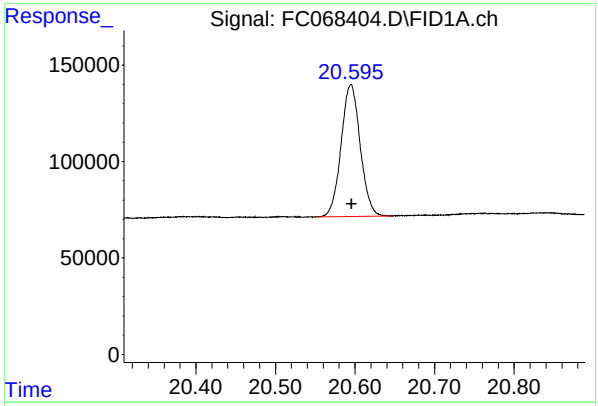
#19 n-Tetratriacontane (C34)

R.T.: 19.146 min
Delta R.T.: 0.000 min
Response: 1586807
Conc: 10.51 ug/ml



#20 n-Hexatriacontane (C36)

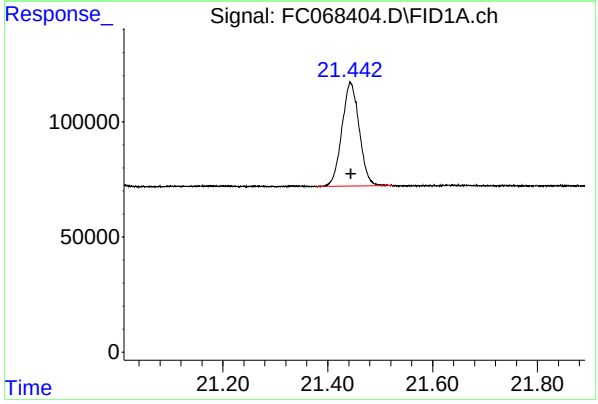
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 1308753
Conc: 10.32 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: -0.001 min
Response: 1139413
Conc: 10.17 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 1032339
Conc: 10.04 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
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 032625.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	3.200	3.141	3.261	BB	195607	1652195	79.18%	4.460%
2	4.255	4.228	4.318	BB	183136	1673518	80.20%	4.518%
3	5.820	5.791	5.918	BB	179866	1817299	87.09%	4.906%
4	6.261	6.228	6.328	BB	171723	1706663	81.79%	4.607%
5	6.871	6.834	6.968	BB	164818	1740430	83.41%	4.698%
6	8.047	8.011	8.121	BB	157213	1699414	81.44%	4.588%
7	9.643	9.604	9.728	BB	153517	1787303	85.65%	4.825%
8	11.080	11.051	11.154	BB	157591	1839600	88.16%	4.966%
9	11.384	11.348	11.458	BB	192679	2086658	100.00%	5.633%
10	12.386	12.348	12.454	BB	151695	1812535	86.86%	4.893%
11	12.826	12.768	12.898	BB	125830	1580360	75.74%	4.266%
12	12.996	12.961	13.071	BB	145688	1781013	85.35%	4.808%
13	13.581	13.551	13.658	VB	140685	1793771	85.96%	4.842%
14	14.681	14.598	14.751	BB	138837	1816027	87.03%	4.902%
15	15.699	15.658	15.771	BB	132082	1777806	85.20%	4.799%
16	16.647	16.601	16.699	BBA	127402	1765534	84.61%	4.766%
17	17.533	17.481	17.608	BB	127760	1853554	88.83%	5.004%
18	18.365	18.311	18.428	BB	118545	1792145	85.89%	4.838%
19	19.146	19.101	19.221	BB	111502	1586807	76.05%	4.284%
20	19.886	19.841	19.924	BB	89375	1308753	62.72%	3.533%
21	20.595	20.551	20.648	BB	68161	1139413	54.60%	3.076%
22	21.443	21.378	21.524	BB	44776	1032339	49.47%	2.787%
			Sum of corrected areas:			37043136		

Aliphatic EPH 032625.M Wed Mar 26 15:19:19 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
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: Mar 26 13:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:16:01 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)	11.383	1040771	5.303 ug/ml
Spiked Amount	50.000		Recovery =	10.61%
12)	S 1-chlorooctadecane (S...	12.826	787660	5.360 ug/ml
Spiked Amount	50.000		Recovery =	10.72%
	Target Compounds			
1)	T n-Nonane (C9)	3.200	819968	5.159 ug/ml
2)	T n-Decane (C10)	4.255	821987	5.089 ug/ml
3)	T A~Naphthalene (C11.7)	5.821	868483	4.895 ug/ml
4)	T n-Dodecane (C12)	6.261	838336	5.105 ug/ml
5)	T A~2-methylnaphthalene...	6.872	818798	4.769 ug/ml
6)	T n-Tetradecane (C14)	8.048	823942	5.010 ug/ml
7)	T n-Hexadecane (C16)	9.643	866146	5.050 ug/ml
8)	T n-Octadecane (C18)	11.080	907661	5.216 ug/ml
10)	T n-Eicosane (C20)	12.385	917135	5.452 ug/ml
11)	T n-Heneicosane (C21)	12.995	897688	5.447 ug/ml
13)	T n-Docosane (C22)	13.580	924581	5.616 ug/ml
14)	T n-Tetracosane (C24)	14.681	982703	5.958 ug/ml
15)	T n-Hexacosane (C26)	15.699	982054	6.089 ug/ml
16)	T n-Octacosane (C28)	16.647	1018857	6.446 ug/ml
17)	T n-Tricontane (C30)	17.533	1117126	6.892 ug/ml
18)	T n-Dotriacontane (C32)	18.363	1085377	7.003 ug/ml
19)	T n-Tetratriacontane (C34)	19.145	914648	6.597 ug/ml
20)	T n-Hexatriacontane (C36)	19.884	718338	6.137 ug/ml
21)	T n-Octatriacontane (C38)	20.594	606676	5.839 ug/ml
22)	T n-Tetracontane (C40)	21.442	527594	5.488 ug/ml

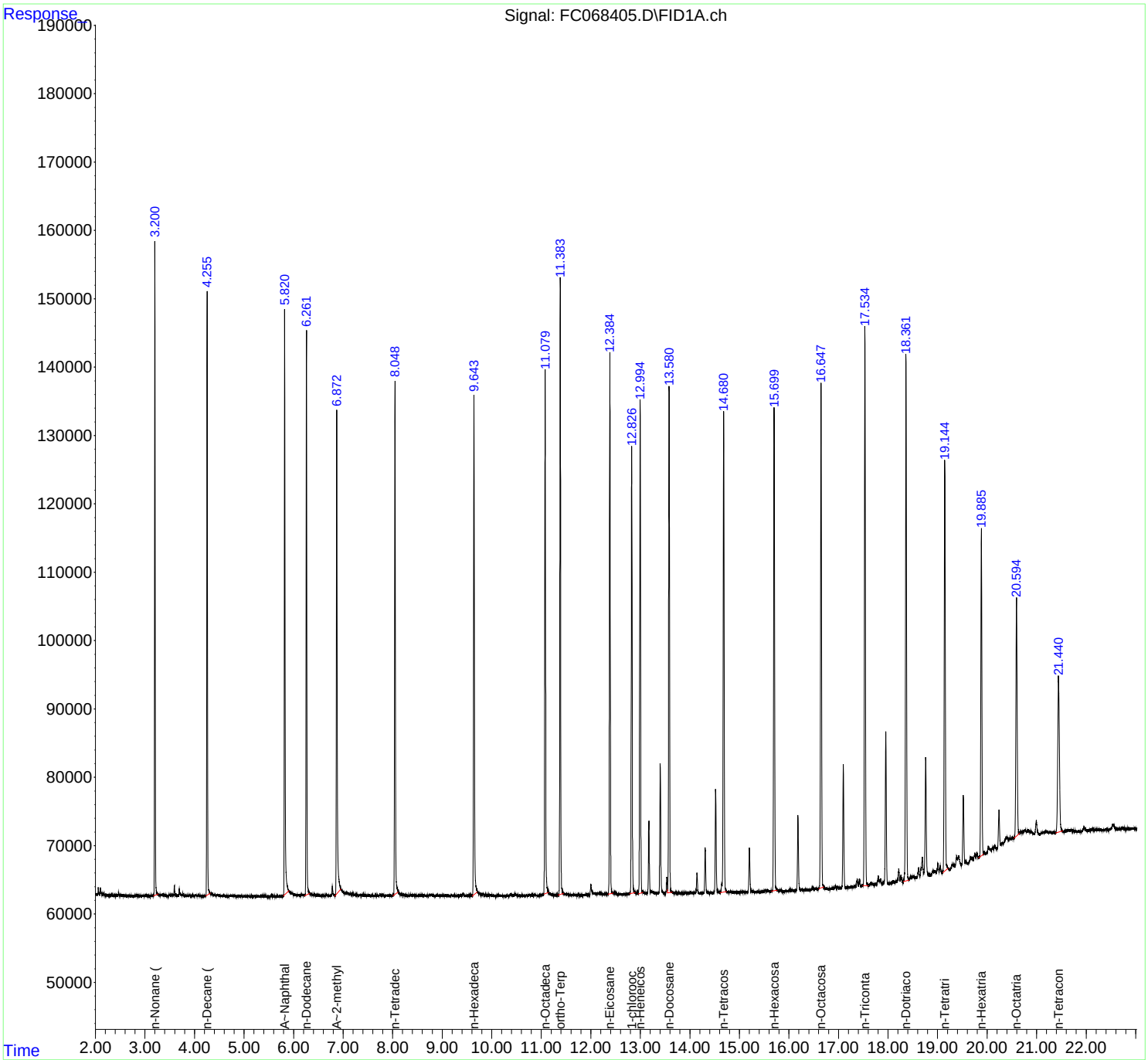
(f)=RT Delta > 1/2 Window (m)=manual int.

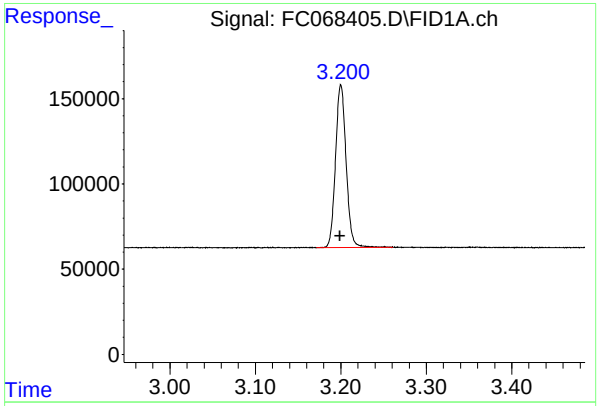
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 26 13:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:16:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

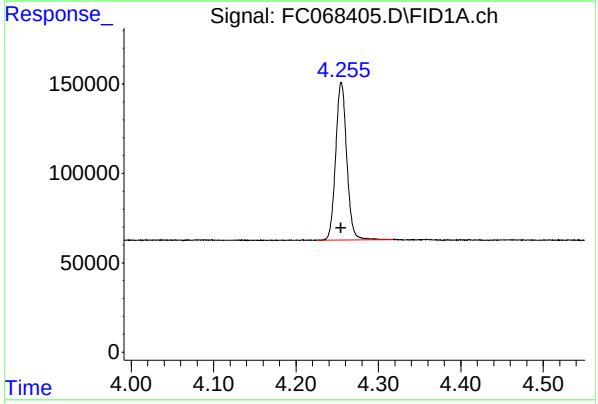




#1 n-Nonane (C9)

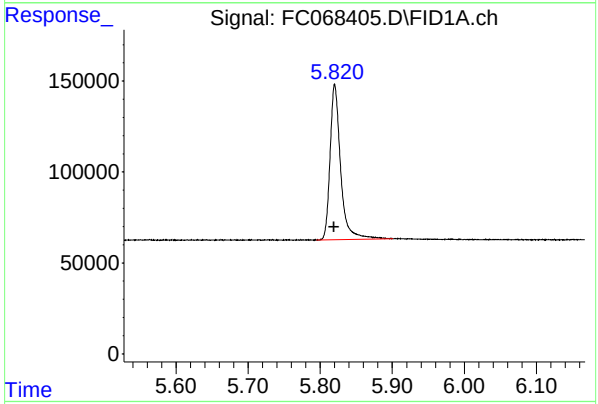
R.T.: 3.200 min
Delta R.T.: 0.001 min
Response: 819968
Conc: 5.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



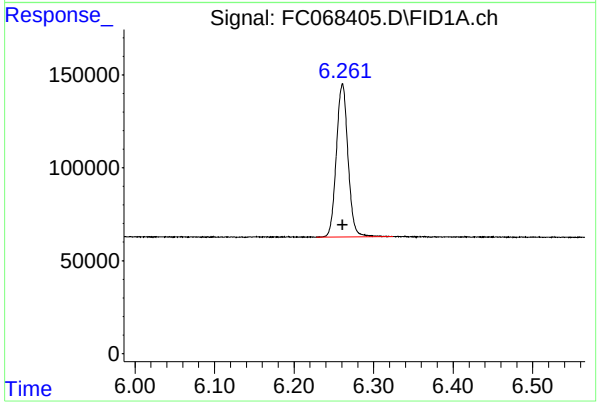
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 821987
Conc: 5.09 ug/ml



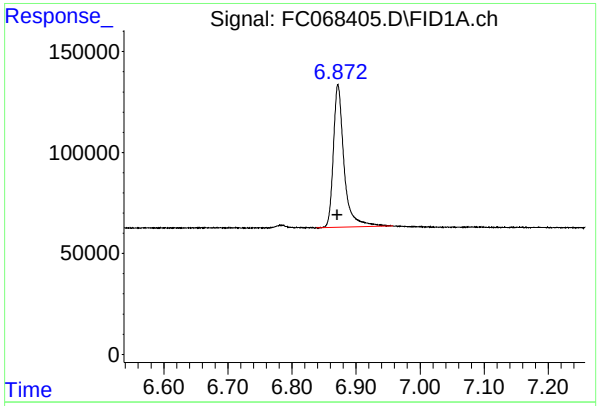
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.001 min
Response: 868483
Conc: 4.90 ug/ml



#4 n-Dodecane (C12)

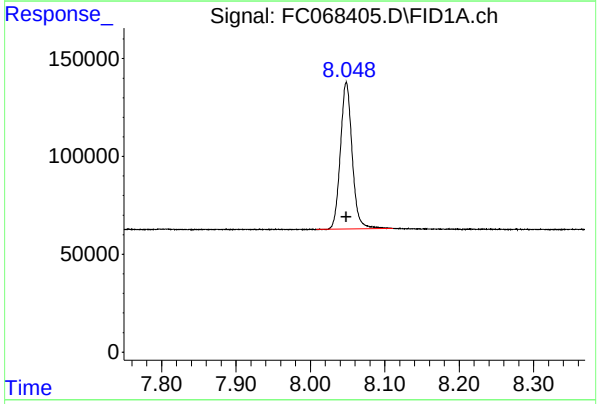
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 838336
Conc: 5.11 ug/ml



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

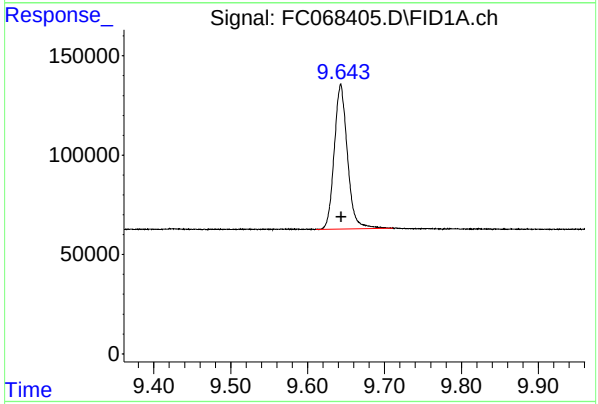
R.T.: 6.872 min
Delta R.T.: 0.001 min
Response: 818798
Conc: 4.77 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



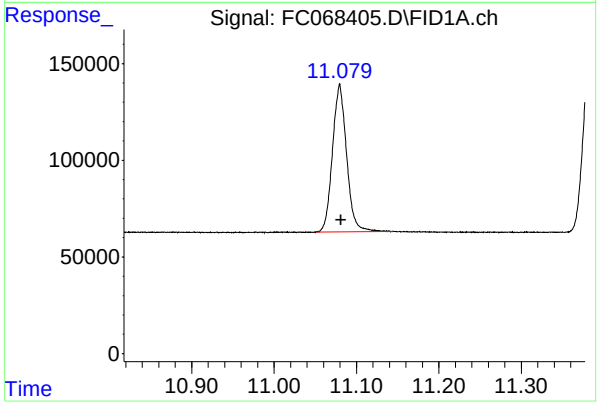
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 823942
Conc: 5.01 ug/ml



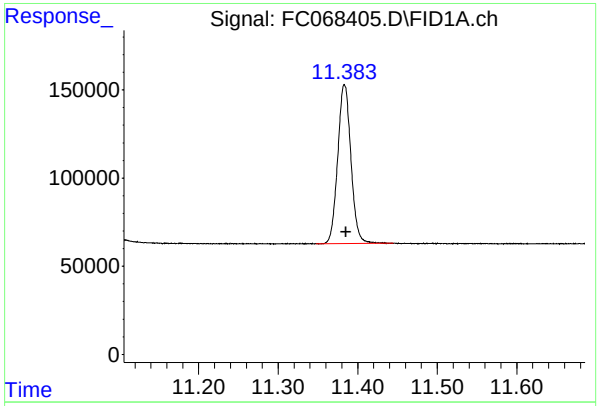
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 866146
Conc: 5.05 ug/ml



#8 n-Octadecane (C18)

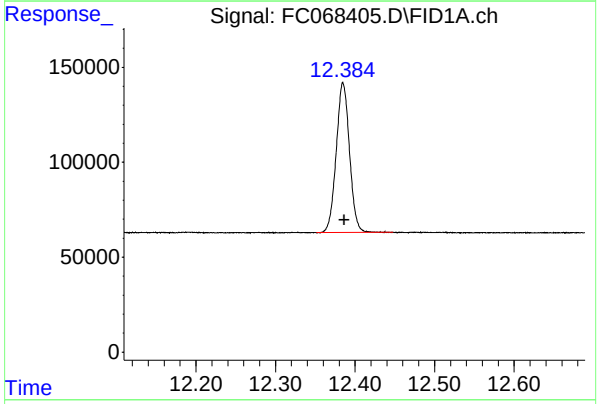
R.T.: 11.080 min
Delta R.T.: -0.002 min
Response: 907661
Conc: 5.22 ug/ml



#9 ortho-Terphenyl (SURR)

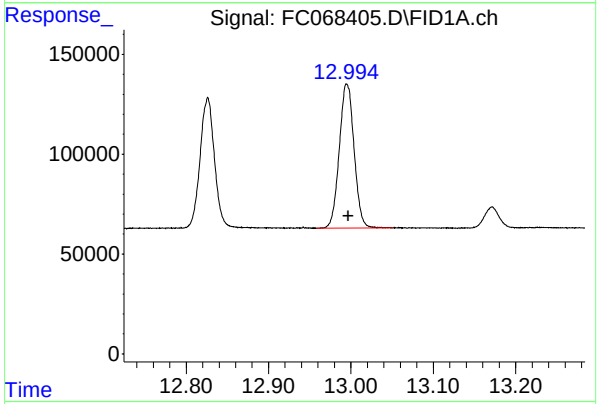
R.T.: 11.383 min
Delta R.T.: -0.002 min
Response: 1040771
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



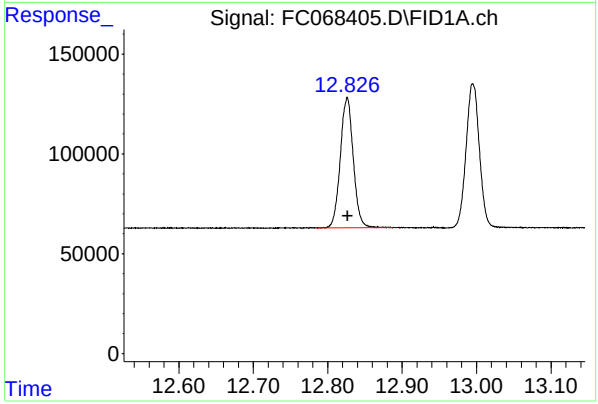
#10 n-Eicosane (C20)

R.T.: 12.385 min
Delta R.T.: -0.002 min
Response: 917135
Conc: 5.45 ug/ml



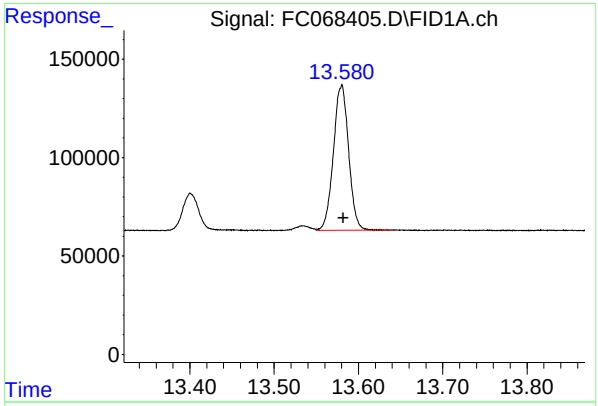
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.002 min
Response: 897688
Conc: 5.45 ug/ml



#12 1-chlorooctadecane (SURR)

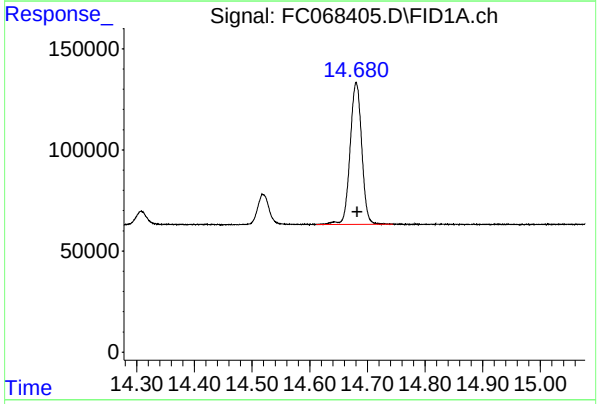
R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 787660
Conc: 5.36 ug/ml



#13 n-Docosane (C22)

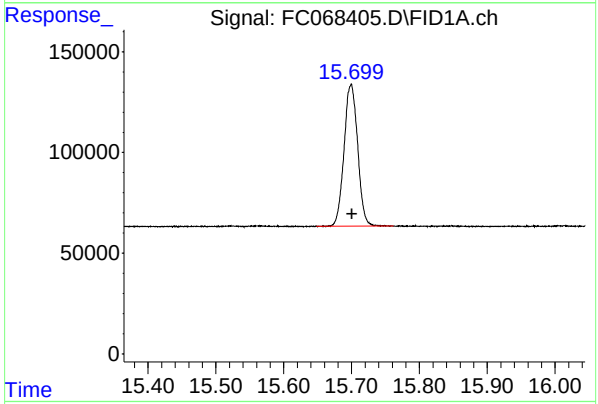
R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 924581
Conc: 5.62 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



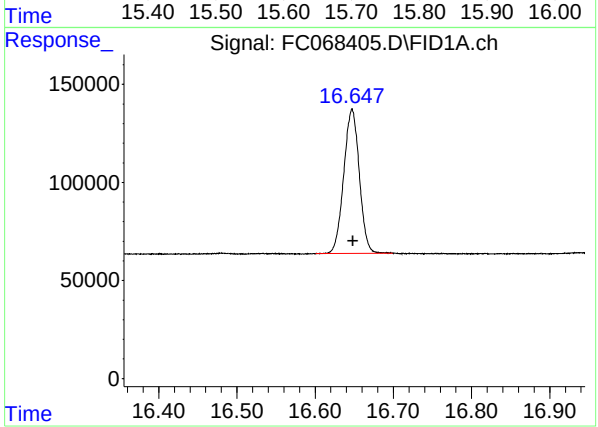
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 982703
Conc: 5.96 ug/ml



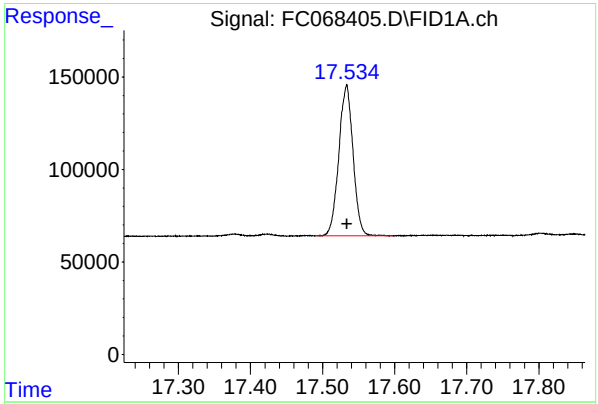
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 982054
Conc: 6.09 ug/ml



#16 n-Octacosane (C28)

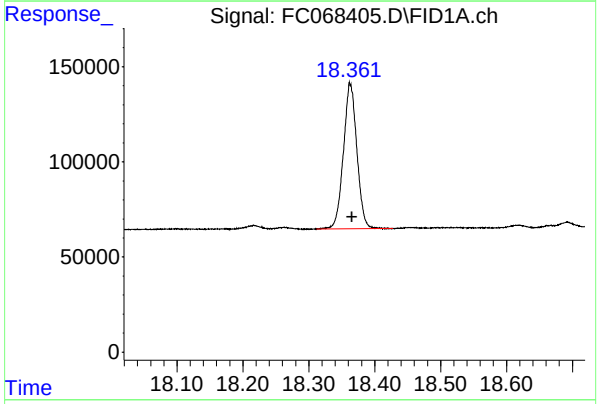
R.T.: 16.647 min
Delta R.T.: -0.001 min
Response: 1018857
Conc: 6.45 ug/ml



#17 n-Tricontane (C30)

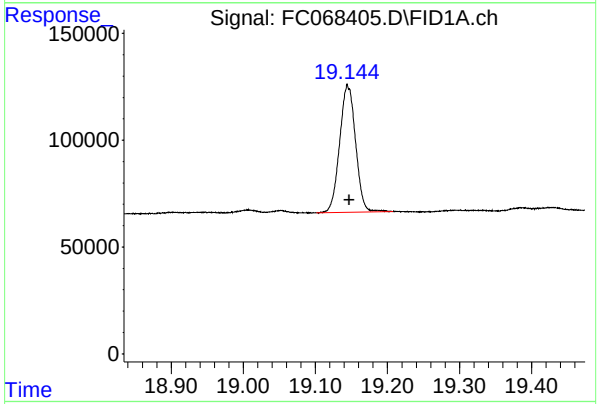
R.T.: 17.533 min
Delta R.T.: -0.001 min
Response: 1117126
Conc: 6.89 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



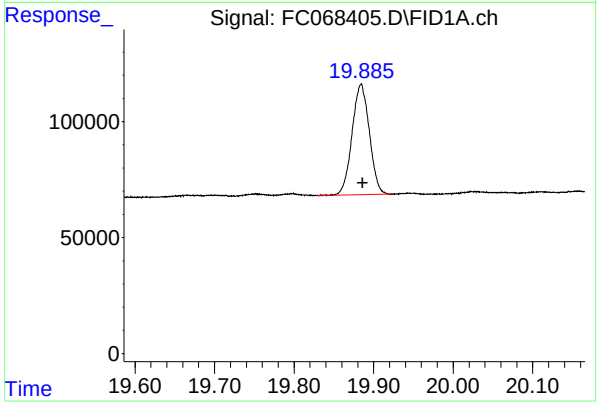
#18 n-Dotriacontane (C32)

R.T.: 18.363 min
Delta R.T.: -0.002 min
Response: 1085377
Conc: 7.00 ug/ml



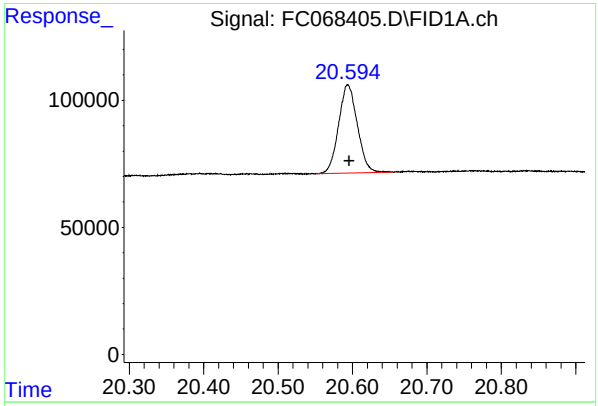
#19 n-Tetratriacontane (C34)

R.T.: 19.145 min
Delta R.T.: -0.002 min
Response: 914648
Conc: 6.60 ug/ml



#20 n-Hexatriacontane (C36)

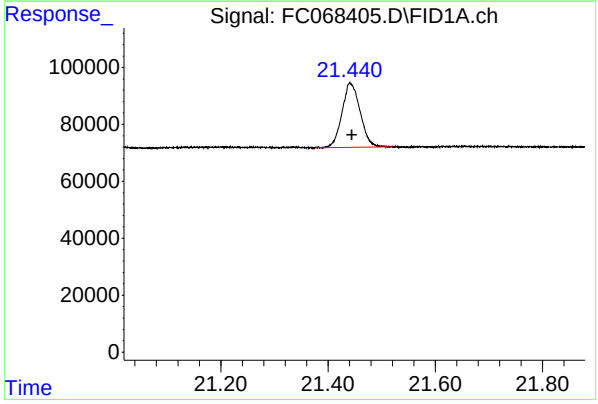
R.T.: 19.884 min
Delta R.T.: -0.002 min
Response: 718338
Conc: 6.14 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.594 min
Delta R.T.: -0.002 min
Response: 606676
Conc: 5.84 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.442 min
Delta R.T.: -0.003 min
Response: 527594
Conc: 5.49 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
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 032625.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	3.200	3.171	3.261	BB	95009	819968	73.40%	4.252%
2	4.255	4.224	4.318	BB	88062	821987	73.58%	4.262%
3	5.821	5.794	5.901	BB	84303	868483	77.74%	4.503%
4	6.261	6.228	6.324	BB	82314	838336	75.04%	4.347%
5	6.872	6.838	6.958	BB	70545	818798	73.30%	4.245%
6	8.048	8.008	8.111	BB	74911	823942	73.76%	4.272%
7	9.643	9.611	9.711	BB	72124	866146	77.53%	4.491%
8	11.080	11.051	11.144	BB	75142	907661	81.25%	4.706%
9	11.383	11.348	11.444	BB	90389	1040771	93.17%	5.396%
10	12.385	12.351	12.448	BB	78929	917135	82.10%	4.755%
11	12.826	12.784	12.888	BB	64234	787660	70.51%	4.084%
12	12.995	12.958	13.051	BB	72551	897688	80.36%	4.654%
13	13.580	13.550	13.641	VB	74173	924581	82.76%	4.794%
14	14.681	14.611	14.744	BB	70161	982703	87.97%	5.095%
15	15.699	15.648	15.761	BB	69966	982054	87.91%	5.092%
16	16.647	16.601	16.699	BBA	73620	1018857	91.20%	5.283%
17	17.533	17.491	17.598	BB	81984	1117126	100.00%	5.792%
18	18.363	18.311	18.428	BB	75142	1085377	97.16%	5.628%
19	19.145	19.101	19.208	BB	59372	914648	81.88%	4.742%
20	19.884	19.828	19.924	BB	47750	718338	64.30%	3.725%
21	20.594	20.551	20.654	BB	34654	606676	54.31%	3.146%
22	21.442	21.378	21.521	BB	22563	527594	47.23%	2.736%
			Sum of corrected areas:			19286529		

Aliphatic EPH 032625.M Wed Mar 26 15:17:56 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
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: Mar 26 15:08:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.385	4184619	21.067 ug/ml
	Spiked Amount 50.000		Recovery = 42.13%	
12)	S 1-chlorooctadecane (S...	12.827	3169108	21.259 ug/ml
	Spiked Amount 50.000		Recovery = 42.52%	
	Target Compounds			
1)	T n-Nonane (C9)	3.199	3345481	20.917 ug/ml
2)	T n-Decane (C10)	4.255	3402627	20.990 ug/ml
3)	T A~Naphthalene (C11.7)	5.819	3710999	21.004 ug/ml
4)	T n-Dodecane (C12)	6.261	3451156	20.928 ug/ml
5)	T A~2-methylnaphthalene...	6.871	3589505	21.103 ug/ml
6)	T n-Tetradecane (C14)	8.049	3457908	21.016 ug/ml
7)	T n-Hexadecane (C16)	9.644	3639050	21.176 ug/ml
8)	T n-Octadecane (C18)	11.081	3725197	21.223 ug/ml
10)	T n-Eicosane (C20)	12.386	3623685	21.158 ug/ml
11)	T n-Heneicosane (C21)	12.997	3557280	21.207 ug/ml
13)	T n-Docosane (C22)	13.581	3546383	21.022 ug/ml
14)	T n-Tetracosane (C24)	14.682	3528543	20.603 ug/ml
15)	T n-Hexacosane (C26)	15.700	3433946	20.403 ug/ml
16)	T n-Octacosane (C28)	16.649	3381117	20.221 ug/ml
17)	T n-Tricontane (C30)	17.535	3518206	20.178 ug/ml
18)	T n-Dotriacontane (C32)	18.365	3395540	20.284 ug/ml
19)	T n-Tetratriacontane (C34)	19.148	3029523	20.539 ug/ml
20)	T n-Hexatriacontane (C36)	19.885	2556410	20.889 ug/ml
21)	T n-Octatriacontane (C38)	20.597	2239784	20.857 ug/ml
22)	T n-Tetracontane (C40)	21.443	2055815	20.976 ug/ml

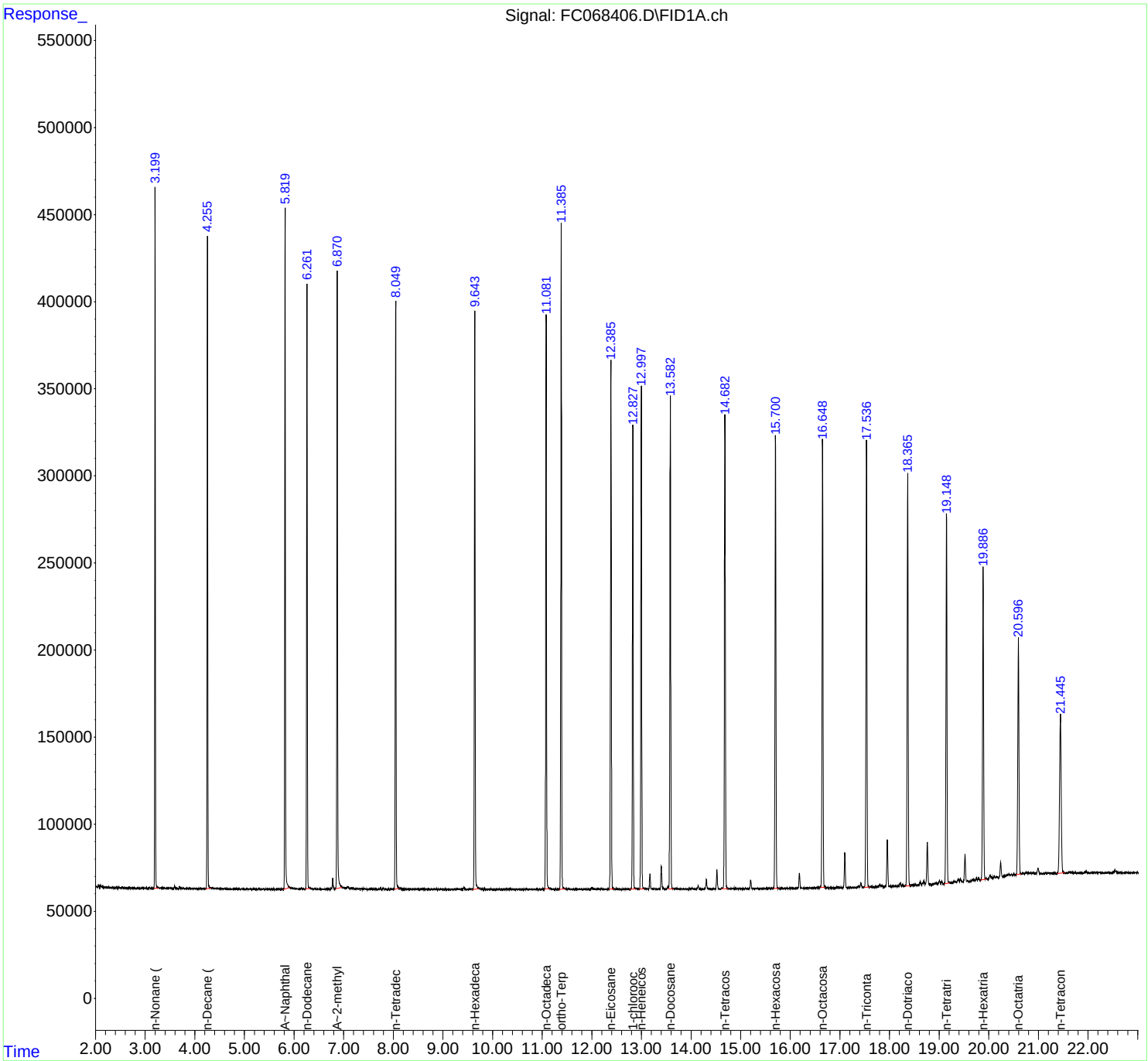
(f)=RT Delta > 1/2 Window (m)=manual int.

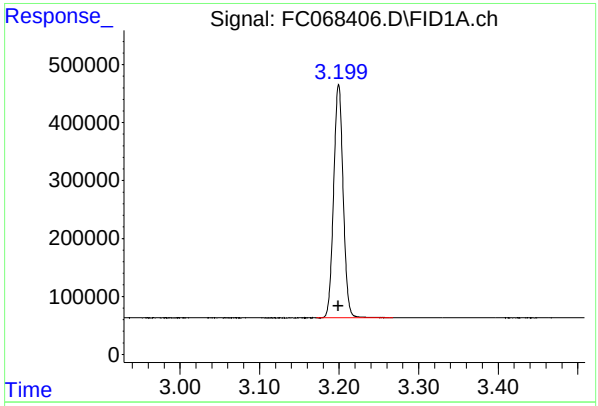
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 26 15:08:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

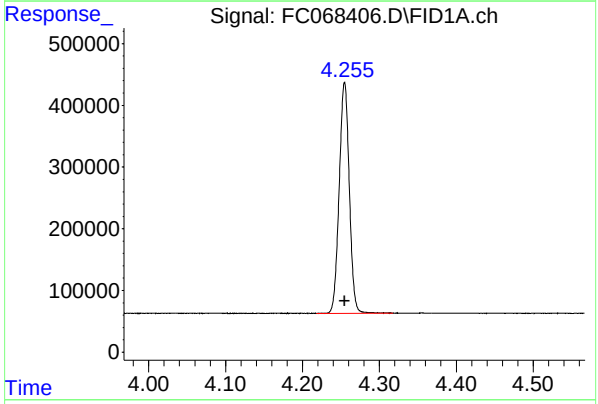




#1 n-Nonane (C9)

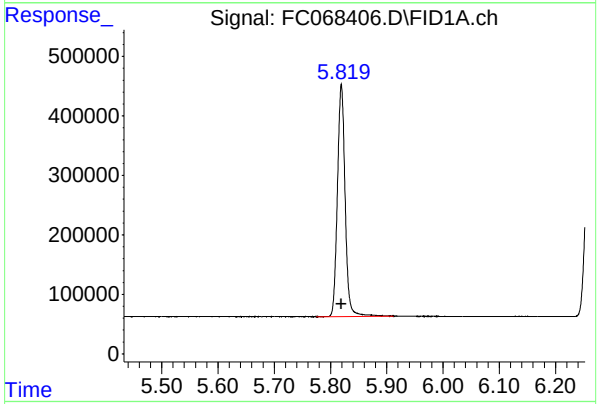
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3345481
Conc: 20.92 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



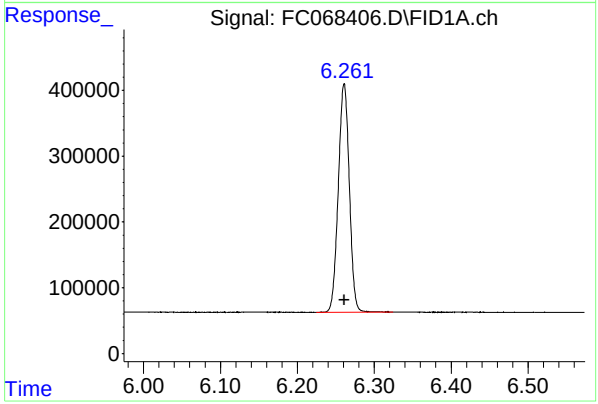
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3402627
Conc: 20.99 ug/ml



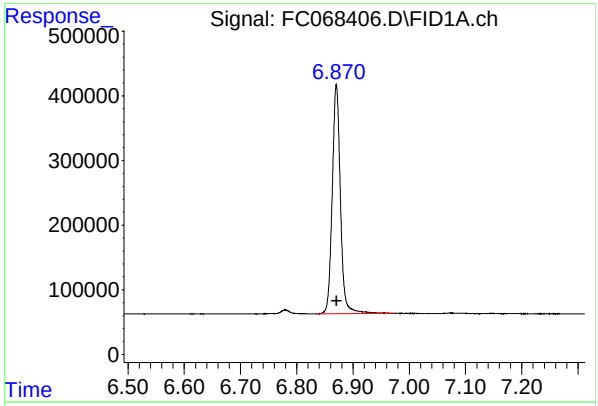
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3710999
Conc: 21.00 ug/ml



#4 n-Dodecane (C12)

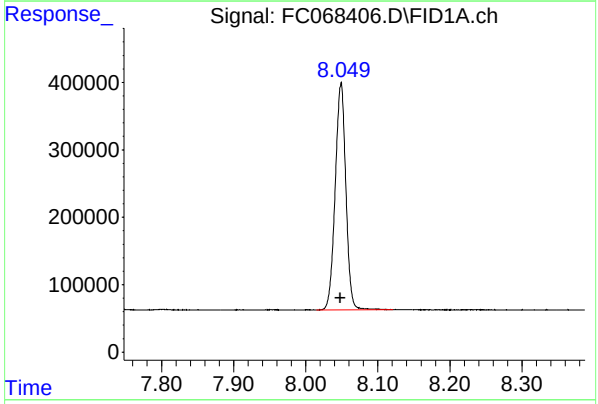
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3451156
Conc: 20.93 ug/ml



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

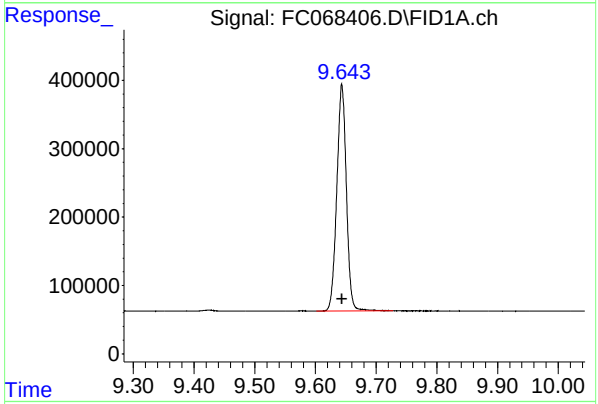
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3589505
Conc: 21.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



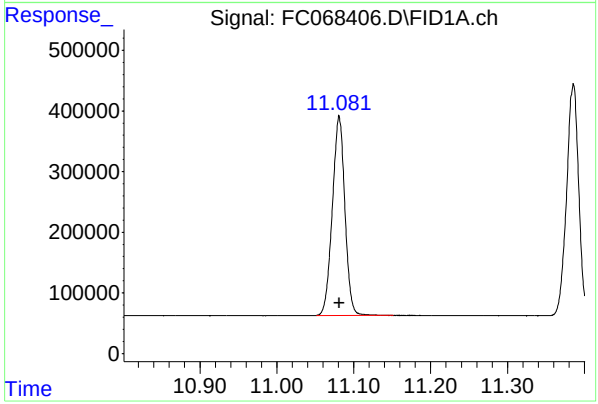
#6 n-Tetradecane (C14)

R.T.: 8.049 min
Delta R.T.: 0.000 min
Response: 3457908
Conc: 21.02 ug/ml



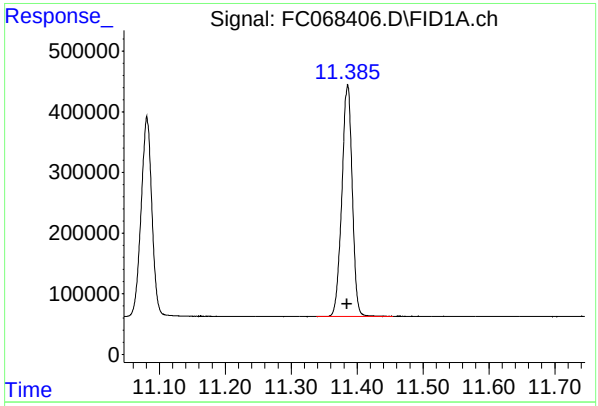
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3639050
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

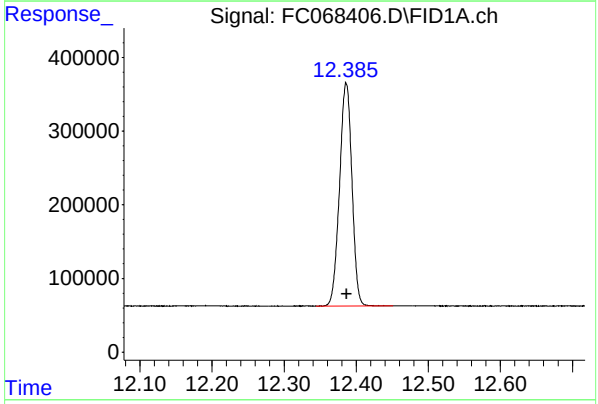
R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3725197
Conc: 21.22 ug/ml



#9 ortho-Terphenyl (SURR)

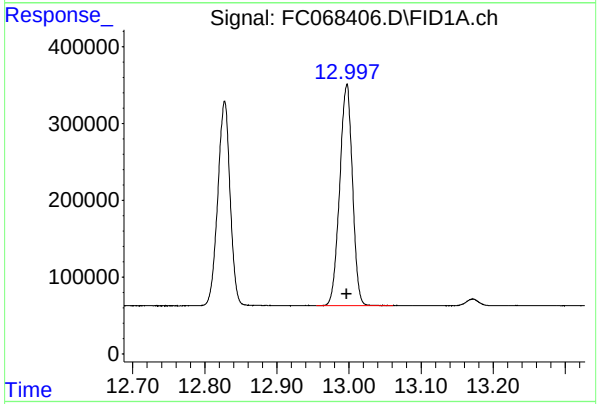
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4184619
Conc: 21.07 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



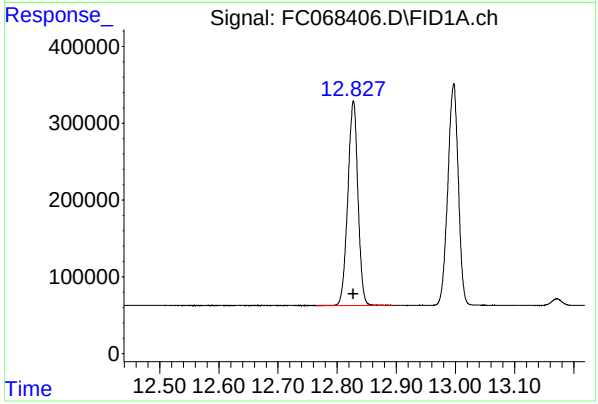
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 3623685
Conc: 21.16 ug/ml



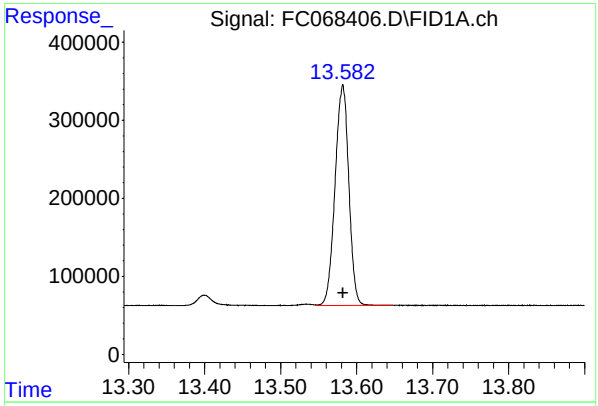
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3557280
Conc: 21.21 ug/ml



#12 1-chlorooctadecane (SURR)

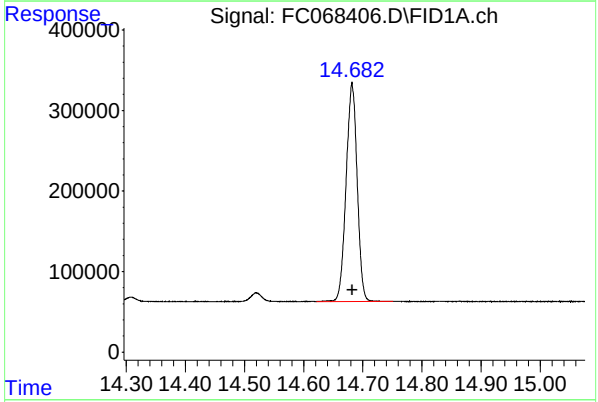
R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3169108
Conc: 21.26 ug/ml



#13 n-Docosane (C22)

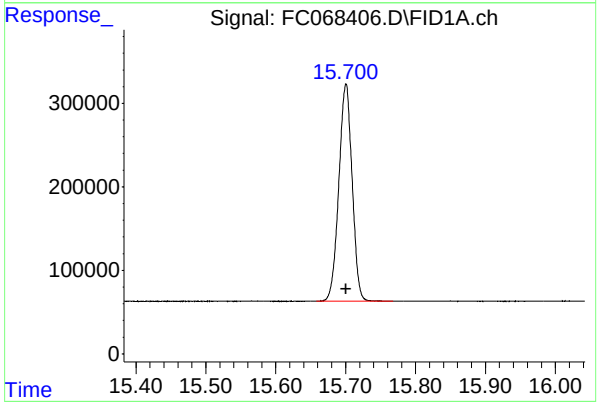
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 3546383
Conc: 21.02 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



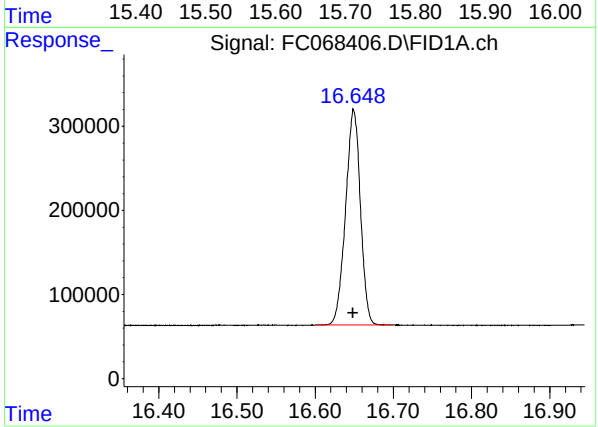
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3528543
Conc: 20.60 ug/ml



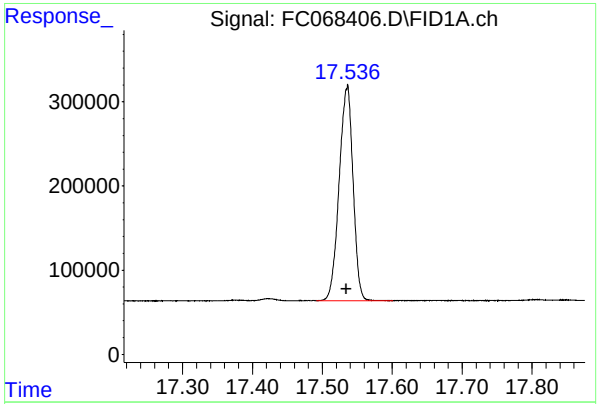
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3433946
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

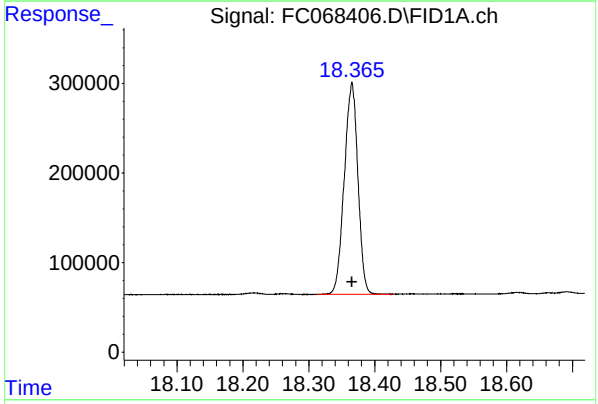
R.T.: 16.649 min
Delta R.T.: 0.001 min
Response: 3381117
Conc: 20.22 ug/ml



#17 n-Tricontane (C30)

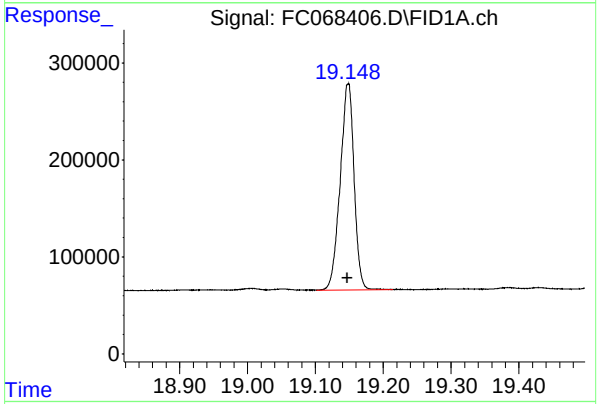
R.T.: 17.535 min
Delta R.T.: 0.000 min
Response: 3518206
Conc: 20.18 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



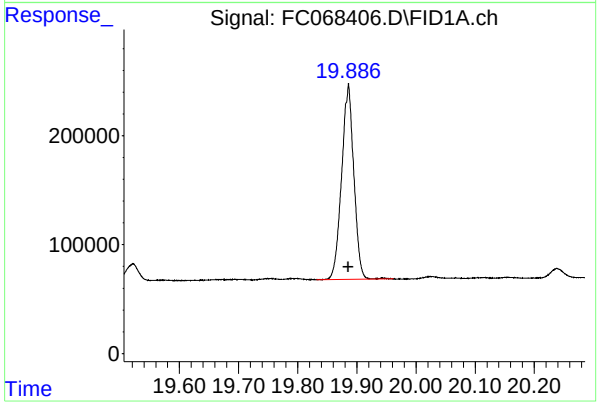
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3395540
Conc: 20.28 ug/ml



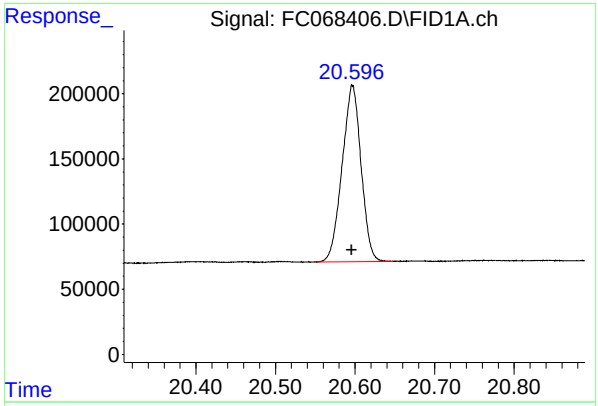
#19 n-Tetratriacontane (C34)

R.T.: 19.148 min
Delta R.T.: 0.000 min
Response: 3029523
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

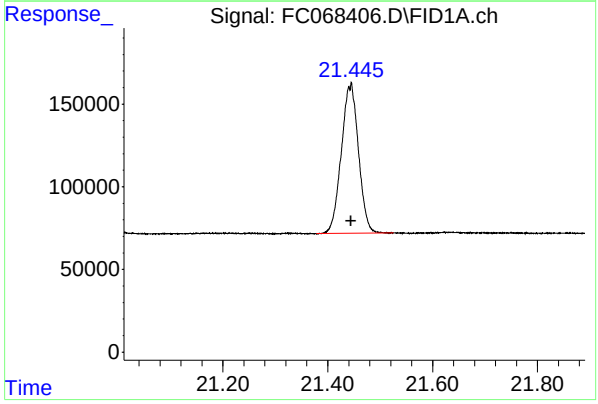
R.T.: 19.885 min
Delta R.T.: 0.000 min
Response: 2556410
Conc: 20.89 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2239784
Conc: 20.86 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 2055815
Conc: 20.98 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
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 032625.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	3.199	3.171	3.268	BB	400920	3345481	79.95%	4.549%
2	4.255	4.218	4.318	BB	374377	3402627	81.31%	4.627%
3	5.819	5.774	5.911	BB	385060	3710999	88.68%	5.046%
4	6.261	6.224	6.324	BB	347782	3451156	82.47%	4.693%
5	6.871	6.834	6.971	BB	353264	3589505	85.78%	4.881%
6	8.049	8.014	8.121	BB	333413	3457908	82.63%	4.702%
7	9.644	9.601	9.728	BB	328720	3639050	86.96%	4.948%
8	11.081	11.051	11.151	BB	327947	3725197	89.02%	5.065%
9	11.385	11.338	11.454	BB	378645	4184619	100.00%	5.690%
10	12.386	12.344	12.451	BB	303646	3623685	86.60%	4.927%
11	12.827	12.764	12.894	BB	267436	3169108	75.73%	4.309%
12	12.997	12.954	13.061	BB	290830	3557280	85.01%	4.837%
13	13.581	13.547	13.648	VB	280698	3546383	84.75%	4.822%
14	14.682	14.621	14.751	BB	269951	3528543	84.32%	4.798%
15	15.700	15.658	15.768	BB	261469	3433946	82.06%	4.669%
16	16.649	16.601	16.699	BBA	252617	3381117	80.80%	4.598%
17	17.535	17.491	17.601	BB	252856	3518206	84.07%	4.784%
18	18.365	18.311	18.428	BB	233659	3395540	81.14%	4.617%
19	19.148	19.101	19.214	BB	213686	3029523	72.40%	4.119%
20	19.885	19.831	19.961	BB	172391	2556410	61.09%	3.476%
21	20.597	20.551	20.648	BB	135273	2239784	53.52%	3.046%
22	21.443	21.378	21.524	BB	90309	2055815	49.13%	2.795%
			Sum of corrected areas:			73541882		

Aliphatic EPH 032625.M Wed Mar 26 15:17:11 2025

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

Continuing Calibration Report for SequenceID : FC033125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068444.D**						
Aliphatic C9-C12	9465089.000	60.000	3.098	6.359	157751.483	162319.116	2.814
Aliphatic C12-C16	6556350.000	40.000	6.360	9.743	163908.750	168194.168	2.548
Aliphatic C16-C21	10024155.000	60.000	9.744	13.097	167069.250	171510.591	2.590
Aliphatic C21-C28	12608586.000	80.000	13.098	16.748	157607.325	168869.942	6.669
Aliphatic C28-C40	14864058.000	120.000	16.749	21.546	123867.150	136171.748	9.036
Aliphatic EPH	53518238.000	360.000	3.098	21.546	148661.772	157243.762	5.458

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	31 Mar 2025 11:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068444.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.098	6.359	9465089.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.743	6556350.000	40.000	ug/ml
Aliphatic C16-C21	9.744	13.097	10024155.000	60.000	ug/ml
Aliphatic C21-C28	13.098	16.748	12608586.000	80.000	ug/ml
Aliphatic C28-C40	16.749	21.546	14864058.000	120.000	ug/ml
Aliphatic EPH	3.098	21.546	53518238.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC033125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068461.D**						
Aliphatic C9-C12	10317792.000	60.000	3.098	6.359	171963.200	162319.116	-5.941
Aliphatic C12-C16	7151887.000	40.000	6.360	9.743	178797.175	168194.168	-6.304
Aliphatic C16-C21	10644632.000	60.000	9.744	13.097	177410.533	171510.591	-3.440
Aliphatic C21-C28	13003247.000	80.000	13.098	16.748	162540.588	168869.942	3.748
Aliphatic C28-C40	15298197.000	120.000	16.749	21.546	127484.975	136171.748	6.379
Aliphatic EPH	56415755.000	360.000	3.098	21.546	156710.431	157243.762	0.339

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Apr 2025 01:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068461.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.098	6.359	10317792.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.743	7151887.000	40.000	ug/ml
Aliphatic C16-C21	9.744	13.097	10644632.000	60.000	ug/ml
Aliphatic C21-C28	13.098	16.748	13003247.000	80.000	ug/ml
Aliphatic C28-C40	16.749	21.546	15298197.000	120.000	ug/ml
Aliphatic EPH	3.098	21.546	56415755.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068464.D**						
Aliphatic C9-C12	9793802.000	60.000	3.097	6.359	163230.033	162319.116	-0.561
Aliphatic C12-C16	6722165.000	40.000	6.360	9.742	168054.125	168194.168	0.083
Aliphatic C16-C21	9852986.000	60.000	9.743	13.096	164216.433	171510.591	4.253
Aliphatic C21-C28	12280464.000	80.000	13.097	16.749	153505.800	168869.942	9.098
Aliphatic C28-C40	14868463.000	120.000	16.750	21.544	123903.858	136171.748	9.009
Aliphatic EPH	53517880.000	360.000	3.097	21.544	148660.778	157243.762	5.458

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Apr 2025 07:35
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068464.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.097	6.359	9793802.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.742	6722165.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.096	9852986.000	60.000	ug/ml
Aliphatic C21-C28	13.097	16.749	12280464.000	80.000	ug/ml
Aliphatic C28-C40	16.750	21.544	14868463.000	120.000	ug/ml
Aliphatic EPH	3.097	21.544	53517880.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068468.D**						
Aliphatic C9-C12	9682294.000	60.000	3.097	6.359	161371.567	162319.116	0.584
Aliphatic C12-C16	6682574.000	40.000	6.360	9.742	167064.350	168194.168	0.672
Aliphatic C16-C21	9959123.000	60.000	9.743	13.096	165985.383	171510.591	3.221
Aliphatic C21-C28	12456931.000	80.000	13.097	16.749	155711.638	168869.942	7.792
Aliphatic C28-C40	14862509.000	120.000	16.750	21.544	123854.242	136171.748	9.046
Aliphatic EPH	53643431.000	360.000	3.097	21.544	149009.531	157243.762	5.237

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Apr 2025 11:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068468.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.097	6.359	9682294.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.742	6682574.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.096	9959123.000	60.000	ug/ml
Aliphatic C21-C28	13.097	16.749	12456931.000	80.000	ug/ml
Aliphatic C28-C40	16.750	21.544	14862509.000	120.000	ug/ml
Aliphatic EPH	3.097	21.544	53643431.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068455.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 20:08
Operator : YP/AJ
Sample : Q1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D1

Integration File: autoint1.e
Quant Time: Apr 01 03:20:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.386	5108416	25.718 ug/ml
Spiked Amount 50.000		Recovery = 51.44%	
12) S 1-chlorooctadecane (S...	12.828	3955469	26.533 ug/ml
Spiked Amount 50.000		Recovery = 53.07%	
Target Compounds			

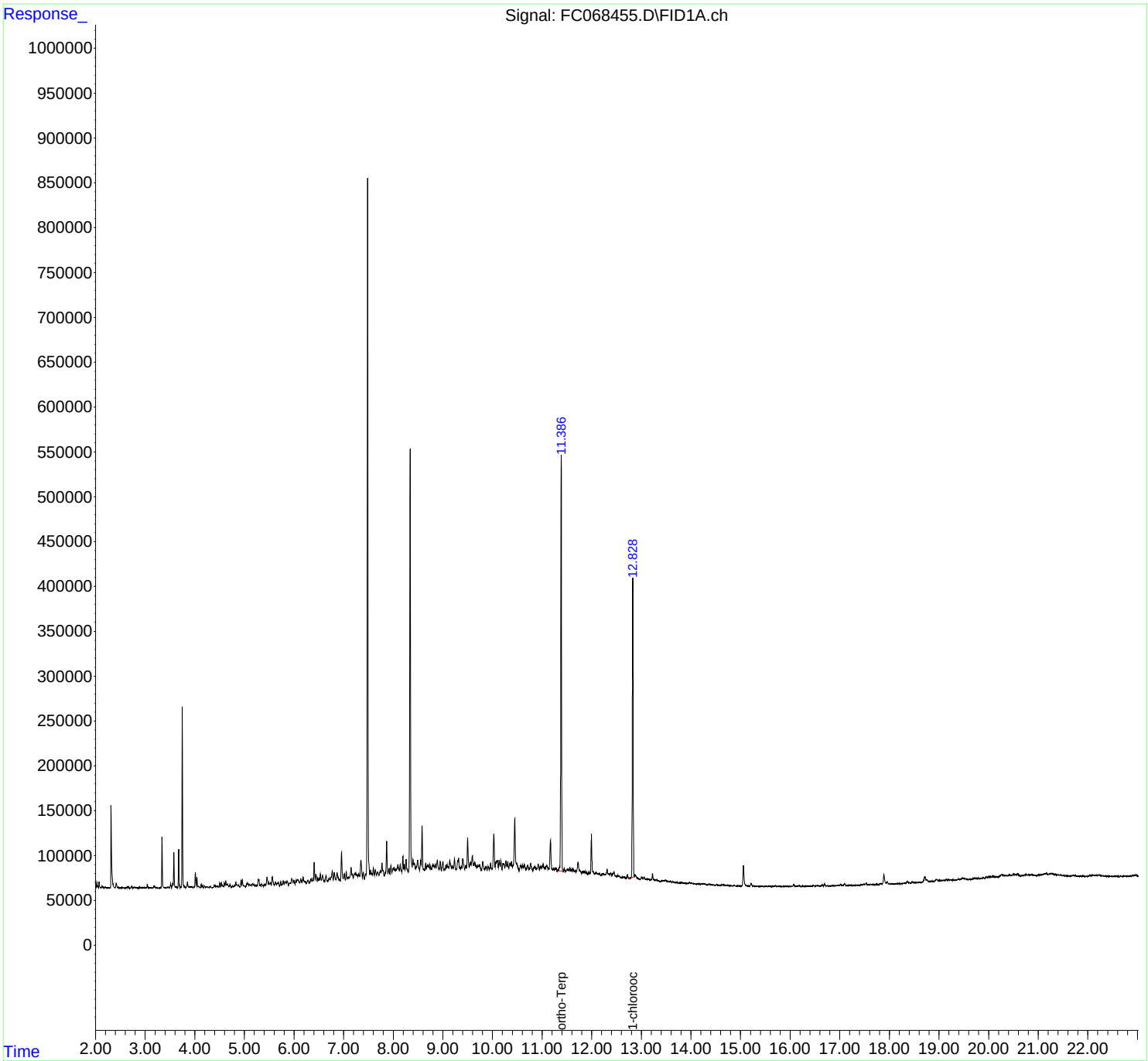
(f)=RT Delta > 1/2 Window (m)=manual int.

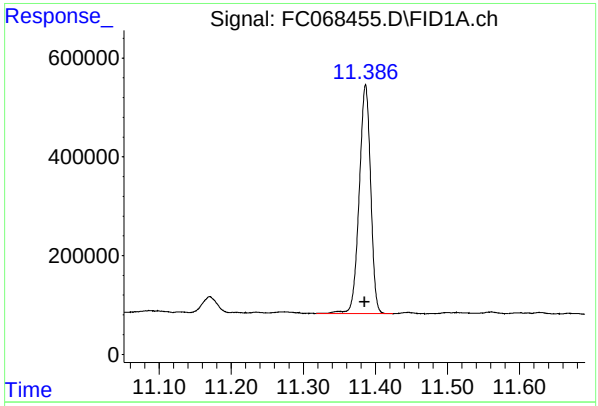
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068455.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 20:08
Operator : YP/AJ
Sample : Q1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D1

Integration File: autoint1.e
Quant Time: Apr 01 03:20:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

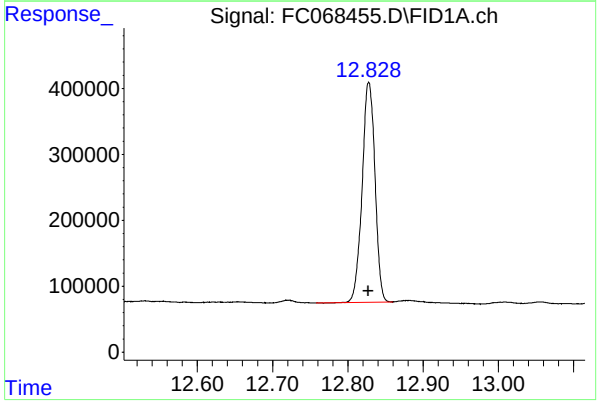




#9 ortho-Terphenyl (SURR)

R.T.: 11.386 min
Delta R.T.: 0.001 min
Response: 5108416
Conc: 25.72 ug/ml

Instrument :
FID_C
ClientSampleId :
D1



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.001 min
Response: 3955469
Conc: 26.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068455.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 20:08
Sample : Q1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.416	2.354	2.444	BV	3656	7818	0.12%	0.007%
2	2.453	2.444	2.487	PV	439	4795	0.08%	0.004%
3	2.505	2.487	2.519	PV	173	2078	0.03%	0.002%
4	2.537	2.519	2.607	PV	865	11728	0.19%	0.011%
5	2.635	2.607	2.645	VV	1549	14466	0.23%	0.013%
6	2.657	2.645	2.679	VV	1993	18972	0.30%	0.018%
7	2.686	2.679	2.701	VV	171	1275	0.02%	0.001%
8	2.724	2.701	2.764	PV	1922	31521	0.50%	0.029%
9	2.778	2.764	2.789	VV	1360	12890	0.21%	0.012%
10	2.797	2.789	2.811	VV	995	10858	0.17%	0.010%
11	2.820	2.811	2.865	VV	791	11977	0.19%	0.011%
12	2.896	2.865	2.914	VV	1265	17810	0.28%	0.016%
13	2.943	2.914	2.958	VV	998	15878	0.25%	0.015%
14	2.978	2.958	2.992	VV	757	11965	0.19%	0.011%
15	3.011	2.992	3.025	VV	645	9629	0.15%	0.009%
16	3.043	3.025	3.106	VV	3840	55316	0.88%	0.051%
17	3.123	3.106	3.144	VV	499	8029	0.13%	0.007%
18	3.178	3.144	3.221	VV	2984	45260	0.72%	0.042%
19	3.235	3.221	3.258	VV	377	5060	0.08%	0.005%
20	3.282	3.258	3.293	PV	400	4490	0.07%	0.004%
21	3.308	3.293	3.318	VV	791	7959	0.13%	0.007%
22	3.339	3.318	3.378	VV	55493	476544	7.60%	0.440%
23	3.387	3.378	3.408	VV	930	10263	0.16%	0.009%
24	3.421	3.408	3.433	VV	654	6769	0.11%	0.006%
25	3.463	3.433	3.483	VV	1102	22440	0.36%	0.021%
26	3.513	3.483	3.532	VV	5080	60429	0.96%	0.056%
27	3.578	3.532	3.606	VV	39917	410641	6.55%	0.379%
28	3.626	3.606	3.658	VV	1602	33879	0.54%	0.031%
29	3.675	3.658	3.708	VV	43271	365607	5.83%	0.338%
30	3.718	3.708	3.726	VV	1329	11601	0.19%	0.011%
31	3.748	3.726	3.817	VV	200776	1672728	26.69%	1.544%
32	3.852	3.817	3.897	VV	7087	109826	1.75%	0.101%
33	3.912	3.897	3.931	VV	1553	28021	0.45%	0.026%
34	3.940	3.931	3.963	VV	1420	19905	0.32%	0.018%
35	3.982	3.963	3.991	VV	1852	20613	0.33%	0.019%
36	4.012	3.991	4.030	VV	17577	194744	3.11%	0.180%

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37	4.043	4.030	4.065	VV	12264	124789	1.99%	0.115%
38	4.075	4.065	4.114	VV	1825	34298	0.55%	0.032%
39	4.129	4.114	4.144	VV	4332	38531	0.61%	0.036%
40	4.159	4.144	4.181	VV	2892	34913	0.56%	0.032%
41	4.198	4.181	4.221	VV	2153	32587	0.52%	0.030%
42	4.251	4.221	4.272	VV	1589	34335	0.55%	0.032%
43	4.282	4.272	4.297	VV	929	11099	0.18%	0.010%
44	4.315	4.297	4.337	VV	2070	26140	0.42%	0.024%
45	4.361	4.337	4.374	VV	647	11748	0.19%	0.011%
46	4.394	4.374	4.426	VV	3637	68245	1.09%	0.063%
47	4.441	4.426	4.458	VV	2342	37071	0.59%	0.034%
48	4.468	4.458	4.484	VV	1990	26164	0.42%	0.024%
49	4.500	4.484	4.515	VV	5563	57254	0.91%	0.053%
50	4.533	4.515	4.581	VV	5892	125487	2.00%	0.116%
51	4.597	4.581	4.609	VV	5626	61863	0.99%	0.057%
52	4.625	4.609	4.642	VV	7573	101423	1.62%	0.094%
53	4.660	4.642	4.691	VV	4650	93451	1.49%	0.086%
54	4.710	4.691	4.738	VV	4759	71636	1.14%	0.066%
55	4.765	4.738	4.782	VV	2163	44400	0.71%	0.041%
56	4.801	4.782	4.812	VV	3583	44360	0.71%	0.041%
57	4.827	4.812	4.871	VV	6813	132643	2.12%	0.122%
58	4.884	4.871	4.908	VV	3387	49701	0.79%	0.046%
59	4.932	4.908	4.945	VV	8363	94747	1.51%	0.087%
60	4.958	4.945	5.021	VV	9137	165589	2.64%	0.153%
61	5.050	5.021	5.060	VV	4907	72592	1.16%	0.067%
62	5.072	5.060	5.089	VV	4827	73718	1.18%	0.068%
63	5.101	5.089	5.121	VV	4354	69464	1.11%	0.064%
64	5.136	5.121	5.150	VV	3838	54467	0.87%	0.050%
65	5.167	5.150	5.181	VV	4984	71001	1.13%	0.066%
66	5.191	5.181	5.213	VV	3975	65759	1.05%	0.061%
67	5.225	5.213	5.241	VV	3370	47339	0.76%	0.044%
68	5.293	5.241	5.314	VV	9768	230321	3.67%	0.213%
69	5.323	5.314	5.333	VV	3271	34402	0.55%	0.032%
70	5.350	5.333	5.382	VV	4264	93490	1.49%	0.086%
71	5.400	5.382	5.412	VV	3638	53345	0.85%	0.049%
72	5.456	5.412	5.482	VV	12014	263501	4.20%	0.243%
73	5.493	5.482	5.509	VV	5965	77332	1.23%	0.071%
74	5.528	5.509	5.542	VV	6270	95772	1.53%	0.088%
75	5.563	5.542	5.603	VV	12407	257516	4.11%	0.238%
76	5.627	5.603	5.653	VV	6660	137579	2.20%	0.127%
77	5.686	5.653	5.707	VV	6369	145025	2.31%	0.134%
78	5.733	5.707	5.750	VV	7340	111888	1.79%	0.103%
79	5.783	5.750	5.800	VV	8089	157168	2.51%	0.145%
80	5.825	5.800	5.841	VV	7009	146701	2.34%	0.135%
81	5.857	5.841	5.891	VV	7650	183205	2.92%	0.169%
82	5.914	5.891	5.931	VV	5519	111135	1.77%	0.103%
83	5.956	5.931	5.983	VV	10587	238709	3.81%	0.220%
84	6.000	5.983	6.021	VV	8383	157792	2.52%	0.146%
85	6.038	6.021	6.048	VV	7822	103596	1.65%	0.096%
86	6.078	6.048	6.116	VV	9453	315472	5.03%	0.291%
87	6.136	6.116	6.161	VV	9792	202334	3.23%	0.187%
88	6.184	6.161	6.254	VV	12231	431643	6.89%	0.398%
89	6.276	6.254	6.305	VV	8502	210859	3.36%	0.195%

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90	6.343	6.305	6.362	VV	10359	262429	4.19%	0.242%
91	6.379	6.362	6.388	VV	9914	130608	2.08%	0.121%
92	6.407	6.388	6.428	VV	28176	404092	6.45%	0.373%
93	6.442	6.428	6.465	VV	15295	267342	4.27%	0.247%
94	6.478	6.465	6.490	VV	11311	145404	2.32%	0.134%
95	6.504	6.490	6.515	VV	9700	132132	2.11%	0.122%
96	6.532	6.515	6.552	VV	15218	253243	4.04%	0.234%
97	6.574	6.552	6.601	VV	13998	315522	5.03%	0.291%
98	6.609	6.601	6.621	VV	8452	92084	1.47%	0.085%
99	6.645	6.621	6.676	VV	13508	333709	5.32%	0.308%
100	6.714	6.676	6.731	VV	10467	296241	4.73%	0.273%
101	6.771	6.731	6.792	VV	18661	475569	7.59%	0.439%
102	6.812	6.792	6.844	VV	16971	386295	6.16%	0.357%
103	6.869	6.844	6.907	VV	16693	457074	7.29%	0.422%
104	6.919	6.907	6.933	VV	9818	135296	2.16%	0.125%
105	6.958	6.933	6.993	VV	39246	700353	11.17%	0.647%
106	7.014	6.993	7.034	VV	15492	296893	4.74%	0.274%
107	7.055	7.034	7.072	VV	17492	300208	4.79%	0.277%
108	7.082	7.072	7.090	VV	11117	111638	1.78%	0.103%
109	7.102	7.090	7.111	VV	11361	142682	2.28%	0.132%
110	7.152	7.111	7.169	VV	22642	539441	8.61%	0.498%
111	7.177	7.169	7.196	VV	15239	217861	3.48%	0.201%
112	7.226	7.196	7.234	VV	15803	324334	5.17%	0.299%
113	7.244	7.234	7.287	VV	15990	460408	7.35%	0.425%
114	7.303	7.287	7.328	VV	15203	337713	5.39%	0.312%
115	7.349	7.328	7.379	VV	30588	658420	10.51%	0.608%
116	7.397	7.379	7.420	VV	17122	322760	5.15%	0.298%
117	7.541	7.528	7.581	VV	19755	523588	8.35%	0.483%
118	7.601	7.581	7.621	VV	22056	420172	6.70%	0.388%
119	7.640	7.621	7.664	VV	19738	438204	6.99%	0.405%
120	7.688	7.664	7.712	VV	17362	450668	7.19%	0.416%
121	7.738	7.712	7.753	VV	18051	403381	6.44%	0.372%
122	7.775	7.753	7.820	VV	27478	781117	12.46%	0.721%
123	7.868	7.820	7.896	VV	51370	1077314	17.19%	0.995%
124	7.915	7.896	7.933	VV	21178	408975	6.53%	0.378%
125	7.954	7.933	7.975	VV	24852	510276	8.14%	0.471%
126	8.009	7.975	8.034	VV	21522	713292	11.38%	0.659%
127	8.053	8.034	8.064	VV	20214	353341	5.64%	0.326%
128	8.095	8.064	8.124	VV	25718	788252	12.58%	0.728%
129	8.142	8.124	8.174	VV	25900	618507	9.87%	0.571%
130	8.195	8.174	8.212	VV	34889	595363	9.50%	0.550%
131	8.224	8.212	8.240	VV	26123	380852	6.08%	0.352%
132	8.260	8.240	8.304	VV	31183	887431	14.16%	0.819%
133	8.398	8.382	8.413	VV	31311	513120	8.19%	0.474%
134	8.425	8.413	8.447	VV	27079	506805	8.09%	0.468%
135	8.493	8.447	8.531	VV	30717	1198953	19.13%	1.107%
136	8.554	8.531	8.564	VV	30520	511396	8.16%	0.472%
137	8.583	8.564	8.608	VV	68223	1043456	16.65%	0.963%
138	8.617	8.608	8.638	VV	20547	359925	5.74%	0.332%
139	8.654	8.638	8.668	VV	27162	427651	6.82%	0.395%
140	8.699	8.668	8.712	VV	24274	608484	9.71%	0.562%
141	8.725	8.712	8.741	VV	25980	413051	6.59%	0.381%

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142	8.753	8.741	8.770	VV	23584	375891	6.00%	0.347%
143	8.803	8.770	8.833	VV	25989	890590	14.21%	0.822%
144	8.848	8.833	8.862	VV	26322	421914	6.73%	0.390%
145	8.889	8.862	8.921	VV	30402	879199	14.03%	0.812%
146	8.949	8.921	8.971	VV	29212	708613	11.31%	0.654%
147	9.002	8.971	9.023	VV	28766	725081	11.57%	0.669%
148	9.033	9.023	9.044	VV	20579	260288	4.15%	0.240%
149	9.061	9.044	9.073	VV	24622	388803	6.20%	0.359%
150	9.087	9.073	9.120	VV	25148	652541	10.41%	0.602%
151	9.141	9.120	9.176	VV	30462	844507	13.47%	0.780%
152	9.190	9.176	9.206	VV	23664	407961	6.51%	0.377%
153	9.236	9.206	9.261	VV	31876	823023	13.13%	0.760%
154	9.317	9.261	9.344	VV	32322	1267766	20.23%	1.170%
155	9.374	9.344	9.384	VV	22780	522264	8.33%	0.482%
156	9.402	9.384	9.441	VV	32112	876383	13.98%	0.809%
157	9.461	9.441	9.476	VV	23727	465231	7.42%	0.430%
158	9.501	9.476	9.532	VV	55549	1131827	18.06%	1.045%
159	9.555	9.532	9.569	VV	27556	578061	9.22%	0.534%
160	9.595	9.569	9.619	VV	35058	876903	13.99%	0.810%
161	9.643	9.619	9.684	VV	27603	963306	15.37%	0.889%
162	9.719	9.684	9.726	VV	24186	596048	9.51%	0.550%
163	9.744	9.726	9.780	VV	25648	729685	11.64%	0.674%
164	9.806	9.780	9.841	VV	28715	849484	13.55%	0.784%
165	9.869	9.841	9.894	VV	23288	688981	10.99%	0.636%
166	9.913	9.894	9.934	VV	22920	522239	8.33%	0.482%
167	9.964	9.934	9.998	VV	27180	853053	13.61%	0.788%
168	10.029	9.998	10.054	VV	59232	1249005	19.93%	1.153%
169	10.096	10.054	10.119	VV	29457	1048966	16.74%	0.968%
170	10.136	10.119	10.154	VV	30220	556258	8.88%	0.514%
171	10.171	10.154	10.193	VV	29992	592464	9.45%	0.547%
172	10.214	10.193	10.225	VV	26881	460942	7.35%	0.426%
173	10.233	10.225	10.250	VV	26246	373912	5.97%	0.345%
174	10.272	10.250	10.292	VV	29551	634950	10.13%	0.586%
175	10.309	10.292	10.327	VV	28381	530222	8.46%	0.490%
176	10.352	10.327	10.365	VV	27040	560874	8.95%	0.518%
177	10.382	10.365	10.404	VV	28078	600094	9.57%	0.554%
178	10.451	10.404	10.536	VV	76530	2595283	41.41%	2.396%
179	10.571	10.536	10.591	VV	24433	724834	11.56%	0.669%
180	10.608	10.591	10.625	VV	24146	474275	7.57%	0.438%
181	10.645	10.625	10.671	VV	25122	628210	10.02%	0.580%
182	10.707	10.671	10.736	VV	24317	854650	13.64%	0.789%
183	10.771	10.736	10.809	VV	26421	964318	15.39%	0.890%
184	10.846	10.809	10.891	VV	22740	1037944	16.56%	0.958%
185	10.925	10.891	10.947	VV	25656	752064	12.00%	0.694%
186	10.976	10.947	10.990	VV	23386	564676	9.01%	0.521%
187	11.019	10.990	11.058	VV	23964	912339	14.56%	0.842%
188	11.087	11.058	11.142	VV	24091	1105866	17.64%	1.021%
189	11.170	11.142	11.222	VV	52372	1409102	22.48%	1.301%
190	11.235	11.222	11.251	VV	20864	345950	5.52%	0.319%
191	11.273	11.251	11.317	VV	21459	779967	12.44%	0.720%
192	11.386	11.317	11.424	VV	480188	6267506	100.00%	5.786%
193	11.445	11.424	11.484	VV	20153	666999	10.64%	0.616%
194	11.500	11.484	11.537	VV	20141	608981	9.72%	0.562%

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195	11.560	11.537	11.581	VV	21460	511687	8.16%	0.472%
196	11.599	11.581	11.617	VV	19235	402297	6.42%	0.371%
197	11.628	11.617	11.657	VV	20147	450284	7.18%	0.416%
198	11.669	11.657	11.689	VV	18564	340623	5.43%	0.314%
199	11.725	11.689	11.797	VV	27826	1299294	20.73%	1.200%
200	11.817	11.797	11.837	VV	17617	396619	6.33%	0.366%
201	11.854	11.837	11.889	VV	17537	530366	8.46%	0.490%
202	11.897	11.889	11.923	VV	16054	308488	4.92%	0.285%
203	11.945	11.923	11.968	VV	17060	422027	6.73%	0.390%
204	11.996	11.968	12.071	VV	59513	1441293	23.00%	1.331%
205	12.093	12.071	12.140	VV	16262	628532	10.03%	0.580%
206	12.156	12.140	12.191	VV	15154	429383	6.85%	0.396%
207	12.215	12.191	12.241	VV	14635	425782	6.79%	0.393%
208	12.248	12.241	12.280	VV	14247	332580	5.31%	0.307%
209	12.310	12.280	12.332	VV	19433	513701	8.20%	0.474%
210	12.340	12.332	12.362	VV	14790	258081	4.12%	0.238%
211	12.386	12.362	12.411	VV	15518	416812	6.65%	0.385%
212	12.448	12.411	12.514	VV	17238	851123	13.58%	0.786%
213	12.530	12.514	12.542	VV	12978	208135	3.32%	0.192%
214	12.554	12.542	12.598	VV	12338	373085	5.95%	0.344%
215	12.622	12.598	12.637	VV	11099	252793	4.03%	0.233%
216	12.655	12.637	12.695	VV	11409	369336	5.89%	0.341%
217	12.721	12.695	12.769	VV	13867	481128	7.68%	0.444%
218	12.828	12.769	12.860	VV	344857	4537776	72.40%	4.189%
219	12.879	12.860	12.976	VV	13491	733178	11.70%	0.677%
220	13.008	12.976	13.033	VV	10963	329320	5.25%	0.304%
221	13.056	13.033	13.081	VV	11048	282757	4.51%	0.261%
222	13.091	13.081	13.101	VV	8726	102655	1.64%	0.095%
223	13.121	13.101	13.139	VV	8987	194227	3.10%	0.179%
224	13.153	13.139	13.178	VV	8919	196514	3.14%	0.181%
225	13.224	13.178	13.294	VV	14550	627699	10.02%	0.579%
226	13.310	13.294	13.381	VV	8291	360967	5.76%	0.333%
227	13.424	13.381	13.448	VV	7221	266949	4.26%	0.246%
228	13.460	13.448	13.474	VV	7189	110968	1.77%	0.102%
229	13.494	13.474	13.524	VV	7597	207227	3.31%	0.191%
230	13.534	13.524	13.556	VV	6615	118113	1.88%	0.109%
231	13.585	13.556	13.605	VV	6595	175124	2.79%	0.162%
232	13.629	13.605	13.685	VV	5788	254514	4.06%	0.235%
233	13.704	13.685	13.746	VV	4962	172699	2.76%	0.159%
234	13.811	13.746	13.849	VV	4930	273825	4.37%	0.253%
235	13.873	13.849	13.911	VV	4203	148807	2.37%	0.137%
236	13.928	13.911	13.948	VV	4132	86675	1.38%	0.080%
237	13.971	13.948	13.997	VV	4784	126153	2.01%	0.116%
238	14.015	13.997	14.039	VV	4211	97419	1.55%	0.090%
239	14.048	14.039	14.113	VV	3734	147122	2.35%	0.136%
240	14.141	14.113	14.184	VV	3564	134078	2.14%	0.124%
241	14.207	14.184	14.228	VV	3456	83119	1.33%	0.077%
242	14.238	14.228	14.251	VV	3317	44789	0.71%	0.041%
243	14.263	14.251	14.341	VV	3418	151405	2.42%	0.140%
244	14.365	14.341	14.405	VV	3308	102335	1.63%	0.094%
245	14.414	14.405	14.475	VV	2363	88383	1.41%	0.082%
246	14.520	14.475	14.570	VV	2485	111996	1.79%	0.103%

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247	14.588	14.570	14.597	VV	1789	27146	0.43%	0.025%
248	14.608	14.597	14.623	VV	1850	27542	0.44%	0.025%
249	14.645	14.623	14.666	VV	2584	54194	0.86%	0.050%
250	14.680	14.666	14.707	VV	1926	41890	0.67%	0.039%
251	14.726	14.707	14.778	VV	1741	62731	1.00%	0.058%
252	14.794	14.778	14.804	VV	1279	19988	0.32%	0.018%
253	14.823	14.804	14.850	VV	1292	32091	0.51%	0.030%
254	14.872	14.850	14.896	VV	1703	34704	0.55%	0.032%
255	14.904	14.896	14.924	VV	976	16376	0.26%	0.015%
256	14.927	14.924	15.011	VV	1016	42386	0.68%	0.039%
257	15.057	15.011	15.176	VV	23688	428204	6.83%	0.395%
258	15.213	15.176	15.239	VV	3898	73408	1.17%	0.068%
259	15.254	15.239	15.297	VV	971	23722	0.38%	0.022%
260	15.314	15.297	15.369	VV	493	14550	0.23%	0.013%
261	15.382	15.369	15.390	VV	304	2840	0.05%	0.003%
262	15.403	15.390	15.431	VV	325	6548	0.10%	0.006%
263	15.445	15.431	15.478	VV	376	7572	0.12%	0.007%
264	15.511	15.478	15.547	VV	496	12917	0.21%	0.012%
265	15.578	15.547	15.629	VV	795	19952	0.32%	0.018%
266	15.699	15.629	15.748	VV	1093	24554	0.39%	0.023%
267	15.768	15.748	15.826	VV	286	5599	0.09%	0.005%
268	15.881	15.826	15.911	PV	174	4949	0.08%	0.005%
269	15.918	15.911	15.964	VV	202	2760	0.04%	0.003%
270	15.981	15.964	16.001	VV	367	4725	0.08%	0.004%
271	16.071	16.001	16.112	VV	2434	49722	0.79%	0.046%
272	16.121	16.112	16.132	VV	338	3517	0.06%	0.003%
273	16.183	16.132	16.220	VV	1486	28491	0.45%	0.026%
274	16.259	16.220	16.282	VV	595	10717	0.17%	0.010%
275	16.317	16.282	16.364	PV	455	9013	0.14%	0.008%
276	16.370	16.364	16.406	VV	117	3081	0.05%	0.003%
277	16.480	16.406	16.511	VV	625	21728	0.35%	0.020%
278	16.544	16.511	16.621	VV	731	25360	0.40%	0.023%
279	16.648	16.621	16.671	VV	1559	22717	0.36%	0.021%
280	16.693	16.671	16.754	VV	2474	38439	0.61%	0.035%
281	16.768	16.754	16.778	PV	130	1034	0.02%	0.001%
282	16.789	16.778	16.828	VV	129	1441	0.02%	0.001%
283	16.865	16.828	16.875	PV	179	3517	0.06%	0.003%
284	16.932	16.875	16.941	VV	305	8246	0.13%	0.008%
285	16.959	16.941	16.988	VV	304	7179	0.11%	0.007%
286	17.013	16.988	17.071	VV	1429	36409	0.58%	0.034%
287	17.097	17.071	17.140	VV	2426	40304	0.64%	0.037%
288	17.184	17.140	17.218	VV	390	12496	0.20%	0.012%
289	17.223	17.218	17.248	VV	202	2307	0.04%	0.002%
290	17.254	17.248	17.274	VV	99	981	0.02%	0.001%
291	17.296	17.274	17.329	PV	125	1803	0.03%	0.002%
292	17.351	17.329	17.363	VV	148	1093	0.02%	0.001%
293	17.382	17.363	17.395	VV	112	1241	0.02%	0.001%
294	17.432	17.395	17.441	VV	225	3260	0.05%	0.003%
295	17.489	17.441	17.514	VV	1265	27481	0.44%	0.025%
296	17.532	17.514	17.568	VV	2029	32134	0.51%	0.030%
297	17.625	17.568	17.678	VV	652	22950	0.37%	0.021%
298	17.697	17.678	17.714	VV	284	5029	0.08%	0.005%
299	17.740	17.714	17.785	VV	841	14969	0.24%	0.014%

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300	17.827	17.785	17.850	VV	820	19117	0.31%	0.018%
301	17.889	17.850	17.934	VV	11143	209607	3.34%	0.194%
302	17.956	17.934	18.003	VV	3295	60814	0.97%	0.056%
303	18.014	18.003	18.037	VV	420	6961	0.11%	0.006%
304	18.048	18.037	18.088	VV	358	6535	0.10%	0.006%
305	18.129	18.088	18.138	VV	286	5039	0.08%	0.005%
306	18.162	18.138	18.190	VV	457	7915	0.13%	0.007%
307	18.202	18.190	18.231	PV	344	5320	0.08%	0.005%
308	18.239	18.231	18.287	VV	284	6387	0.10%	0.006%
309	18.313	18.287	18.334	VV	714	15012	0.24%	0.014%
310	18.364	18.334	18.425	VV	2710	66466	1.06%	0.061%
311	18.461	18.425	18.491	VV	1396	36816	0.59%	0.034%
312	18.506	18.491	18.547	VV	980	24145	0.39%	0.022%
313	18.554	18.547	18.568	VV	748	6684	0.11%	0.006%
314	18.612	18.568	18.647	VV	798	29903	0.48%	0.028%
315	18.716	18.647	18.747	VV	6705	193245	3.08%	0.178%
316	18.756	18.747	18.798	VV	3443	70827	1.13%	0.065%
317	18.808	18.798	18.838	VV	1547	33414	0.53%	0.031%
318	18.866	18.838	18.897	VV	1590	46615	0.74%	0.043%
319	18.949	18.897	18.986	VV	3127	116886	1.86%	0.108%
320	18.996	18.986	19.018	VV	2273	40351	0.64%	0.037%
321	19.027	19.018	19.057	VV	2108	45440	0.73%	0.042%
322	19.083	19.057	19.098	VV	2064	47377	0.76%	0.044%
323	19.147	19.098	19.172	VV	2921	99404	1.59%	0.092%
324	19.200	19.172	19.211	VV	2390	53910	0.86%	0.050%
325	19.225	19.211	19.232	VV	2303	26670	0.43%	0.025%
326	19.239	19.232	19.255	VV	2434	29084	0.46%	0.027%
327	19.293	19.255	19.311	VV	2192	63458	1.01%	0.059%
328	19.332	19.311	19.344	VV	1964	32470	0.52%	0.030%
329	19.399	19.344	19.428	VV	2817	110932	1.77%	0.102%
330	19.461	19.428	19.481	VV	3344	94153	1.50%	0.087%
331	19.486	19.481	19.505	VV	3581	45422	0.72%	0.042%
332	19.521	19.505	19.587	VV	3356	125575	2.00%	0.116%
333	19.597	19.587	19.628	VV	1965	44110	0.70%	0.041%
334	19.635	19.628	19.641	VV	1695	13568	0.22%	0.013%
335	19.737	19.641	19.755	VV	3338	167339	2.67%	0.154%
336	19.795	19.755	19.861	VV	3027	167824	2.68%	0.155%
337	19.897	19.861	19.918	VV	3349	96656	1.54%	0.089%
338	19.952	19.918	19.975	VV	3946	114208	1.82%	0.105%
339	20.032	19.975	20.048	VV	4117	161212	2.57%	0.149%
340	20.061	20.048	20.070	VV	4052	49716	0.79%	0.046%
341	20.085	20.070	20.125	VV	4144	122333	1.95%	0.113%
342	20.135	20.125	20.142	VV	3692	35816	0.57%	0.033%
343	20.169	20.142	20.198	VV	3778	116516	1.86%	0.108%
344	20.267	20.198	20.294	VV	5838	274702	4.38%	0.254%
345	20.310	20.294	20.344	VV	5101	139921	2.23%	0.129%
346	20.351	20.344	20.384	VV	4765	101521	1.62%	0.094%
347	20.424	20.384	20.464	VV	5520	229588	3.66%	0.212%
348	20.496	20.464	20.527	VV	5615	194111	3.10%	0.179%
349	20.590	20.527	20.650	VV	5633	352478	5.62%	0.325%
350	20.683	20.650	20.707	VV	4039	128448	2.05%	0.119%
351	20.725	20.707	20.784	VV	4651	202906	3.24%	0.187%

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352	20.801	20.784	20.861	VV	4465	194154	3.10%	0.179%
353	20.870	20.861	20.906	VV	4386	106999	1.71%	0.099%
354	20.918	20.906	20.964	VV	3794	124951	1.99%	0.115%
355	21.027	20.964	21.044	VV	3805	170344	2.72%	0.157%
356	21.076	21.044	21.089	VV	3956	99788	1.59%	0.092%
357	21.164	21.089	21.198	VV	5070	301727	4.81%	0.279%
358	21.215	21.198	21.223	VV	4288	63868	1.02%	0.059%
359	21.233	21.223	21.239	VV	4393	40647	0.65%	0.038%
360	21.257	21.239	21.342	VV	4765	253882	4.05%	0.234%
361	21.354	21.342	21.393	VV	3389	90963	1.45%	0.084%
362	21.415	21.393	21.432	VV	3132	66588	1.06%	0.061%
363	21.447	21.432	21.459	VV	2860	43510	0.69%	0.040%
364	21.464	21.459	21.488	VV	2532	39496	0.63%	0.036%
365	21.499	21.488	21.512	VV	2143	30470	0.49%	0.028%
366	21.519	21.512	21.580	VV	2054	66196	1.06%	0.061%
367	21.598	21.580	21.619	VV	1384	29998	0.48%	0.028%
368	21.636	21.619	21.655	VV	1431	28449	0.45%	0.026%
369	21.691	21.655	21.701	VV	1645	39928	0.64%	0.037%
370	21.721	21.701	21.778	VV	1917	60337	0.96%	0.056%
371	21.800	21.778	21.830	VV	924	24230	0.39%	0.022%
372	21.850	21.830	21.911	VV	1025	30545	0.49%	0.028%
373	21.921	21.911	21.954	VV	565	6497	0.10%	0.006%
374	21.979	21.954	21.988	PV	223	2834	0.05%	0.003%
375	22.051	21.988	22.060	PV	799	14488	0.23%	0.013%
376	22.086	22.060	22.104	VV	893	15960	0.25%	0.015%
377	22.121	22.104	22.148	VV	787	12954	0.21%	0.012%
378	22.163	22.148	22.174	VV	255	2676	0.04%	0.002%

Sum of corrected areas: 108318656

Aliphatic EPH 032625.M Tue Apr 01 04:47:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068456.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 20:45
Operator : YP/AJ
Sample : Q1675-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D2

Integration File: autoint1.e
Quant Time: Apr 01 03:20:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.391	6750631	33.986 ug/ml
Spiked Amount 50.000		Recovery =	67.97%
12) S 1-chlorooctadecane (S...	12.832	5043806	33.834 ug/ml
Spiked Amount 50.000		Recovery =	67.67%
Target Compounds			

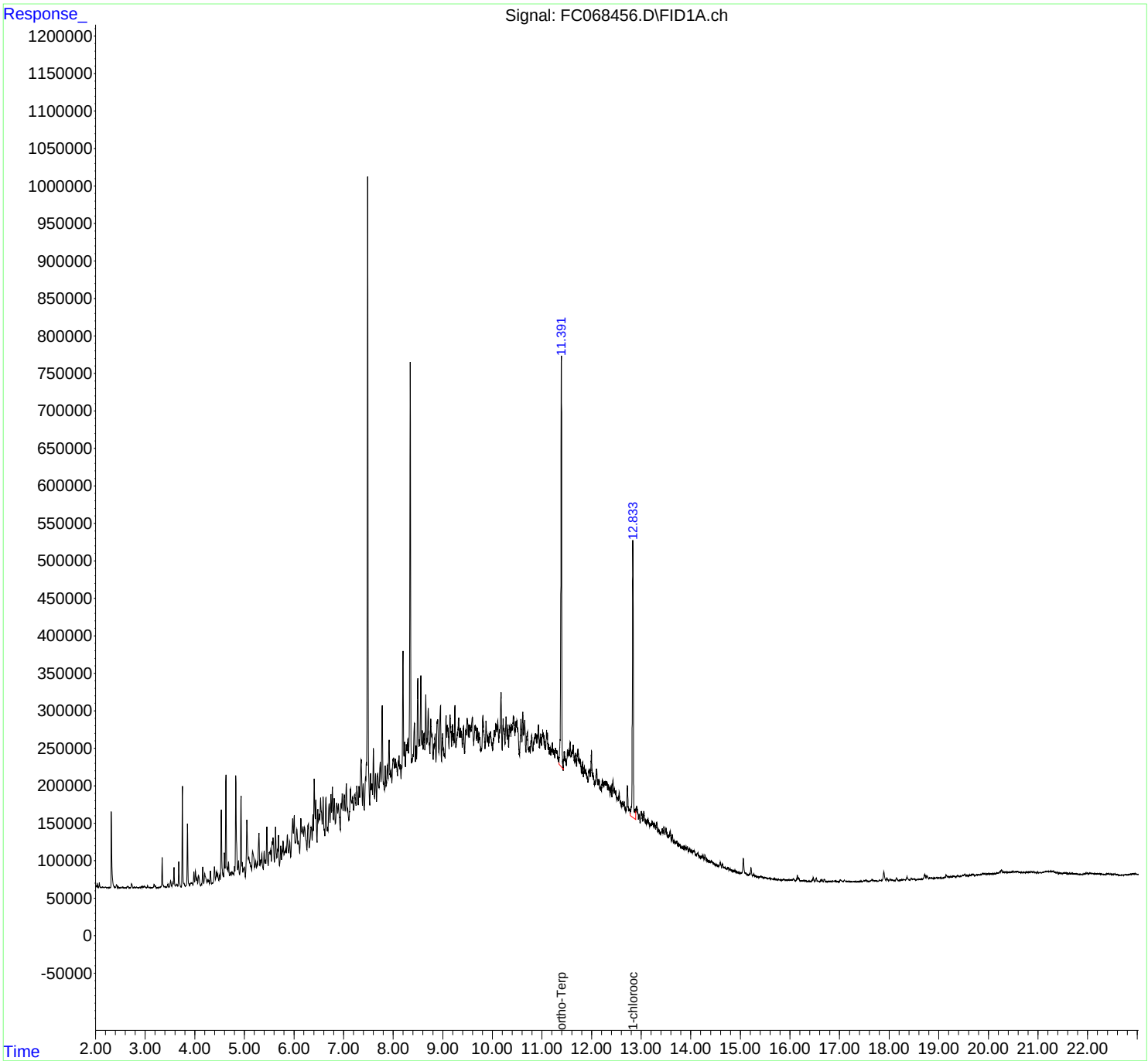
(f)=RT Delta > 1/2 Window (m)=manual int.

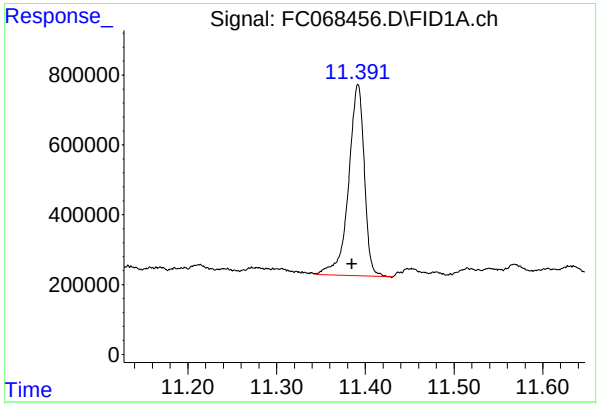
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068456.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 20:45
Operator : YP/AJ
Sample : Q1675-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D2

Integration File: autoint1.e
Quant Time: Apr 01 03:20:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

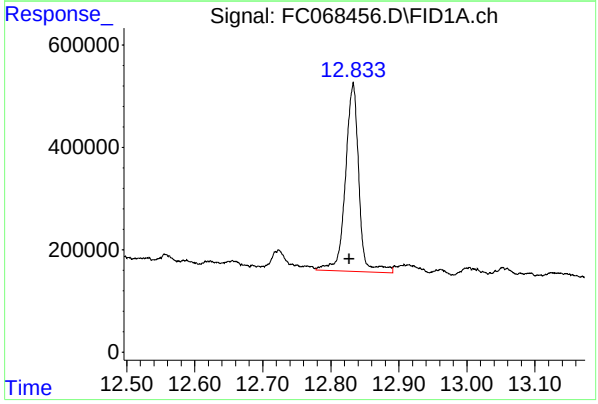




#9 ortho-Terphenyl (SURR)

R.T.: 11.391 min
Delta R.T.: 0.006 min
Response: 6750631
Conc: 33.99 ug/ml

Instrument :
FID_C
ClientSampleId :
D2



#12 1-chlorooctadecane (SURR)

R.T.: 12.832 min
Delta R.T.: 0.005 min
Response: 5043806
Conc: 33.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068456.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 20:45
Sample : Q1675-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.318	2.305	2.400	PV	91560	938188	6.29%	0.122%
2	2.422	2.400	2.512	PV	3844	54655	0.37%	0.007%
3	2.539	2.512	2.607	PV	870	15757	0.11%	0.002%
4	2.638	2.607	2.648	VV	2149	20100	0.13%	0.003%
5	2.658	2.648	2.704	VV	1943	21714	0.15%	0.003%
6	2.726	2.704	2.768	PV	5716	79970	0.54%	0.010%
7	2.783	2.768	2.810	VV	1283	18083	0.12%	0.002%
8	2.824	2.810	2.865	VV	743	15684	0.11%	0.002%
9	2.898	2.865	2.911	VV	967	12594	0.08%	0.002%
10	2.926	2.911	2.934	VV	1787	15819	0.11%	0.002%
11	2.945	2.934	2.959	VV	2441	23867	0.16%	0.003%
12	2.978	2.959	2.992	VV	2110	30386	0.20%	0.004%
13	3.001	2.992	3.023	VV	1709	17451	0.12%	0.002%
14	3.051	3.023	3.082	VV	2867	38715	0.26%	0.005%
15	3.096	3.082	3.114	VV	636	8435	0.06%	0.001%
16	3.180	3.114	3.197	VV	5207	75485	0.51%	0.010%
17	3.208	3.197	3.263	VV	2967	38000	0.25%	0.005%
18	3.285	3.263	3.299	PV	1002	11708	0.08%	0.002%
19	3.343	3.299	3.382	VV	39381	394031	2.64%	0.051%
20	3.393	3.382	3.415	VV	2101	30561	0.20%	0.004%
21	3.423	3.415	3.434	VV	1527	13850	0.09%	0.002%
22	3.456	3.434	3.484	VV	4934	71495	0.48%	0.009%
23	3.514	3.484	3.536	VV	9475	149373	1.00%	0.019%
24	3.582	3.536	3.608	VV	27316	370658	2.48%	0.048%
25	3.628	3.608	3.639	VV	4565	64918	0.43%	0.008%
26	3.647	3.639	3.660	VV	4159	43070	0.29%	0.006%
27	3.678	3.660	3.721	VV	34777	370805	2.48%	0.048%
28	3.750	3.721	3.809	VV	133302	1230267	8.24%	0.159%
29	3.854	3.809	3.898	VV	84802	946380	6.34%	0.123%
30	3.942	3.898	3.963	VV	6612	207121	1.39%	0.027%
31	3.983	3.963	3.999	VV	21557	252573	1.69%	0.033%
32	4.015	3.999	4.059	VV	22300	467114	3.13%	0.061%
33	4.078	4.059	4.119	VV	16146	329062	2.20%	0.043%
34	4.161	4.119	4.181	VV	27676	380485	2.55%	0.049%
35	4.202	4.181	4.247	VV	18694	478968	3.21%	0.062%
36	4.261	4.247	4.273	VV	10487	135532	0.91%	0.018%

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37	4.284	4.273	4.297	VV	9886	118250	0.79%	0.015%
38	4.316	4.297	4.341	VV	22353	314122	2.10%	0.041%
39	4.397	4.341	4.418	VV	27527	573295	3.84%	0.074%
40	4.441	4.418	4.454	VV	21309	349224	2.34%	0.045%
41	4.464	4.454	4.485	VV	18283	256154	1.72%	0.033%
42	4.500	4.485	4.512	VV	16502	215582	1.44%	0.028%
43	4.535	4.512	4.581	VV	103866	1542903	10.34%	0.200%
44	4.599	4.581	4.610	VV	46395	538265	3.61%	0.070%
45	4.629	4.610	4.668	VV	149342	2028632	13.59%	0.263%
46	4.682	4.668	4.702	VV	34227	512243	3.43%	0.066%
47	4.723	4.702	4.735	VV	20278	355628	2.38%	0.046%
48	4.750	4.735	4.786	VV	21233	575162	3.85%	0.075%
49	4.802	4.786	4.810	VV	28055	318602	2.13%	0.041%
50	4.829	4.810	4.866	VV	148613	2198535	14.73%	0.285%
51	4.883	4.866	4.904	VV	35242	594338	3.98%	0.077%
52	4.933	4.904	4.970	VV	121490	1825981	12.23%	0.237%
53	4.997	4.970	5.020	VV	27155	684149	4.58%	0.089%
54	5.052	5.020	5.081	VV	90060	1815809	12.16%	0.235%
55	5.091	5.081	5.147	VV	40438	1273495	8.53%	0.165%
56	5.167	5.147	5.207	VV	48008	1359793	9.11%	0.176%
57	5.227	5.207	5.243	VV	35269	659734	4.42%	0.085%
58	5.259	5.243	5.267	VV	33096	424379	2.84%	0.055%
59	5.294	5.267	5.315	VV	72234	1382206	9.26%	0.179%
60	5.329	5.315	5.339	VV	36452	477830	3.20%	0.062%
61	5.353	5.339	5.380	VV	44895	828470	5.55%	0.107%
62	5.399	5.380	5.415	VV	48057	750114	5.03%	0.097%
63	5.424	5.415	5.434	VV	35703	389592	2.61%	0.050%
64	5.454	5.434	5.481	VV	80157	1402283	9.39%	0.182%
65	5.509	5.481	5.520	VV	46288	988837	6.62%	0.128%
66	5.530	5.520	5.545	VV	49232	659278	4.42%	0.085%
67	5.579	5.545	5.607	VV	65411	1945937	13.04%	0.252%
68	5.629	5.607	5.656	VV	79680	1555574	10.42%	0.202%
69	5.688	5.656	5.709	VV	69256	1526170	10.22%	0.198%
70	5.735	5.709	5.750	VV	54405	1008225	6.75%	0.131%
71	5.782	5.750	5.802	VV	61025	1520920	10.19%	0.197%
72	5.835	5.802	5.846	VV	51448	1252987	8.39%	0.162%
73	5.868	5.846	5.894	VV	69622	1624134	10.88%	0.210%
74	5.916	5.894	5.935	VV	60032	1250775	8.38%	0.162%
75	5.975	5.935	5.989	VV	91370	2234015	14.97%	0.290%
76	6.006	5.989	6.027	VV	94902	1764448	11.82%	0.229%
77	6.059	6.027	6.115	VV	76558	3258384	21.83%	0.422%
78	6.141	6.115	6.161	VV	90677	1964396	13.16%	0.255%
79	6.182	6.161	6.197	VV	79767	1648535	11.04%	0.214%
80	6.215	6.197	6.261	VV	79288	2581147	17.29%	0.335%
81	6.290	6.261	6.310	VV	83581	2005799	13.44%	0.260%
82	6.346	6.310	6.367	VV	79441	2361127	15.82%	0.306%
83	6.382	6.367	6.393	VV	95678	1241709	8.32%	0.161%
84	6.410	6.393	6.430	VV	143731	2422532	16.23%	0.314%
85	6.442	6.430	6.465	VV	114854	1920507	12.87%	0.249%
86	6.482	6.465	6.495	VV	102867	1527593	10.23%	0.198%
87	6.512	6.495	6.521	VV	96367	1477341	9.90%	0.191%
88	6.538	6.521	6.571	VV	118448	2988111	20.02%	0.387%
89	6.590	6.571	6.623	VV	118924	2776166	18.60%	0.360%

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90	6.645	6.623	6.669	VV	119020	2592309	17.37%	0.336%
91	6.677	6.669	6.685	VV	79327	739743	4.96%	0.096%
92	6.710	6.685	6.728	VV	109878	2461020	16.49%	0.319%
93	6.745	6.728	6.759	VV	122920	1965260	13.17%	0.255%
94	6.776	6.759	6.794	VV	132187	2352913	15.76%	0.305%
95	6.814	6.794	6.836	VV	116873	2532709	16.97%	0.328%
96	6.862	6.836	6.883	VV	111300	2799482	18.75%	0.363%
97	6.897	6.883	6.933	VV	109700	2914863	19.53%	0.378%
98	6.974	6.933	6.993	VV	123093	3759011	25.18%	0.487%
99	7.014	6.993	7.033	VV	121742	2666675	17.86%	0.346%
100	7.057	7.033	7.108	VV	137291	4864068	32.59%	0.630%
101	7.140	7.108	7.170	VV	129994	4104680	27.50%	0.532%
102	7.184	7.170	7.208	VV	119303	2535294	16.98%	0.329%
103	7.229	7.208	7.255	VV	122492	3198746	21.43%	0.415%
104	7.269	7.255	7.296	VV	132768	3041681	20.38%	0.394%
105	7.313	7.296	7.327	VV	133442	2255688	15.11%	0.292%
106	7.354	7.327	7.382	VV	168396	4645389	31.12%	0.602%
107	7.396	7.382	7.417	VV	135800	2479747	16.61%	0.321%
108	7.546	7.527	7.559	VV	148380	2513815	16.84%	0.326%
109	7.571	7.559	7.584	VV	136838	1983781	13.29%	0.257%
110	7.603	7.584	7.626	VV	182327	3685843	24.69%	0.478%
111	7.646	7.626	7.666	VV	150470	3177657	21.29%	0.412%
112	7.688	7.666	7.714	VV	149737	3871716	25.94%	0.502%
113	7.740	7.714	7.757	VV	164777	3856191	25.83%	0.500%
114	7.780	7.757	7.823	VV	241646	6656009	44.59%	0.863%
115	7.841	7.823	7.858	VV	158985	3010304	20.17%	0.390%
116	7.883	7.858	7.897	VV	160301	3508132	23.50%	0.455%
117	7.919	7.897	7.945	VV	193961	4697041	31.47%	0.609%
118	7.958	7.945	7.975	VV	153719	2675237	17.92%	0.347%
119	8.008	7.975	8.031	VV	169339	5440633	36.45%	0.705%
120	8.045	8.031	8.087	VV	167910	5384111	36.07%	0.698%
121	8.118	8.087	8.135	VV	172327	4663612	31.24%	0.604%
122	8.143	8.135	8.158	VV	160729	2130921	14.28%	0.276%
123	8.199	8.158	8.219	VV	310837	7314737	49.00%	0.948%
124	8.229	8.219	8.247	VV	192040	3083281	20.66%	0.400%
125	8.268	8.247	8.281	VV	187573	3591506	24.06%	0.465%
126	8.297	8.281	8.311	VV	196577	3423975	22.94%	0.444%
127	8.429	8.385	8.450	VV	216465	7302612	48.92%	0.946%
128	8.464	8.450	8.475	VV	185176	2613153	17.51%	0.339%
129	8.497	8.475	8.536	VV	275436	7748240	51.91%	1.004%
130	8.559	8.536	8.578	VV	278998	5801998	38.87%	0.752%
131	8.587	8.578	8.605	VV	206477	3112500	20.85%	0.403%
132	8.621	8.605	8.641	VV	202524	4204001	28.16%	0.545%
133	8.659	8.641	8.678	VV	254358	4748610	31.81%	0.615%
134	8.708	8.678	8.741	VV	235532	7685792	51.49%	0.996%
135	8.761	8.741	8.806	VV	222228	7741333	51.86%	1.003%
136	8.847	8.806	8.865	VV	201293	6482690	43.43%	0.840%
137	8.894	8.865	8.923	VV	218048	7021014	47.04%	0.910%
138	8.953	8.923	8.976	VV	239950	6395702	42.85%	0.829%
139	8.997	8.976	9.044	VV	201088	7424643	49.74%	0.962%
140	9.067	9.044	9.081	VV	225051	4483588	30.04%	0.581%
141	9.092	9.081	9.125	VV	212062	5318376	35.63%	0.689%

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142	9.149	9.125	9.180	VV	226121	6741172	45.16%	0.874%
143	9.198	9.180	9.229	VV	214067	5904747	39.56%	0.765%
144	9.246	9.229	9.267	VV	239740	4824657	32.32%	0.625%
145	9.322	9.267	9.341	VV	221276	9032284	60.51%	1.171%
146	9.355	9.341	9.366	VV	208605	3011142	20.17%	0.390%
147	9.376	9.366	9.395	VV	204322	3417750	22.90%	0.443%
148	9.419	9.395	9.445	VV	211413	5835495	39.09%	0.756%
149	9.466	9.445	9.476	VV	206357	3786707	25.37%	0.491%
150	9.496	9.476	9.537	VV	220616	7661231	51.33%	0.993%
151	9.551	9.537	9.575	VV	212804	4644735	31.12%	0.602%
152	9.598	9.575	9.624	VV	223040	6187024	41.45%	0.802%
153	9.652	9.624	9.685	VV	211122	7473538	50.07%	0.969%
154	9.700	9.685	9.718	VV	207866	3997889	26.78%	0.518%
155	9.733	9.718	9.767	VV	201697	5657282	37.90%	0.733%
156	9.808	9.767	9.854	VV	224811	10277318	68.85%	1.332%
157	9.875	9.854	9.900	VV	218754	5513007	36.93%	0.714%
158	9.911	9.900	9.925	VV	200197	2907694	19.48%	0.377%
159	9.961	9.925	10.008	VV	204093	9614479	64.41%	1.246%
160	10.040	10.008	10.053	VV	203855	5279221	35.37%	0.684%
161	10.072	10.053	10.095	VV	213265	5236151	35.08%	0.679%
162	10.110	10.095	10.128	VV	217136	4179836	28.00%	0.542%
163	10.175	10.128	10.199	VV	252621	9159308	61.36%	1.187%
164	10.218	10.199	10.258	VV	220352	7094757	47.53%	0.919%
165	10.278	10.258	10.300	VV	220845	5227014	35.02%	0.677%
166	10.314	10.300	10.330	VV	211392	3580002	23.98%	0.464%
167	10.349	10.330	10.375	VV	211299	5551636	37.19%	0.719%
168	10.391	10.375	10.405	VV	213639	3689566	24.72%	0.478%
169	10.426	10.405	10.456	VV	224386	6583955	44.11%	0.853%
170	10.474	10.456	10.483	VV	214930	3494847	23.41%	0.453%
171	10.494	10.483	10.548	VV	218070	7756151	51.96%	1.005%
172	10.578	10.548	10.596	VV	219948	5701270	38.19%	0.739%
173	10.614	10.596	10.638	VV	229551	5333246	35.73%	0.691%
174	10.652	10.638	10.678	VV	218445	4811354	32.23%	0.624%
175	10.706	10.678	10.737	VV	204695	6763901	45.31%	0.877%
176	10.749	10.737	10.765	VV	184075	3006131	20.14%	0.390%
177	10.793	10.765	10.821	VV	197562	6381380	42.75%	0.827%
178	10.867	10.821	10.897	VV	200826	8761187	58.69%	1.135%
179	10.928	10.897	10.955	VV	209679	6844330	45.85%	0.887%
180	10.971	10.955	10.995	VV	201007	4612891	30.90%	0.598%
181	11.017	10.995	11.075	VV	203743	9280257	62.17%	1.203%
182	11.095	11.075	11.125	VV	204347	5896380	39.50%	0.764%
183	11.134	11.125	11.148	VV	184072	2501219	16.76%	0.324%
184	11.167	11.148	11.178	VV	181040	3218897	21.56%	0.417%
185	11.212	11.178	11.232	VV	188428	5839149	39.12%	0.757%
186	11.241	11.232	11.257	VV	177119	2568089	17.20%	0.333%
187	11.277	11.257	11.345	VV	180333	9106943	61.01%	1.180%
188	11.391	11.345	11.431	VV	705833	14926829	100.00%	1.934%
189	11.451	11.431	11.493	VV	176636	6173719	41.36%	0.800%
190	11.516	11.493	11.530	VV	178785	3811180	25.53%	0.494%
191	11.541	11.530	11.555	VV	177586	2606353	17.46%	0.338%
192	11.568	11.555	11.588	VV	189717	3604286	24.15%	0.467%
193	11.606	11.588	11.616	VV	177093	2971896	19.91%	0.385%
194	11.632	11.616	11.659	VV	184127	4452831	29.83%	0.577%

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195	11.675	11.659	11.696	VV	173410	3764066	25.22%	0.488%
196	11.725	11.696	11.808	VV	180498	11032469	73.91%	1.430%
197	11.819	11.808	11.834	VV	162225	2478957	16.61%	0.321%
198	11.853	11.834	11.866	VV	155553	2830874	18.97%	0.367%
199	11.880	11.866	11.929	VV	151970	5583430	37.41%	0.724%
200	11.957	11.929	11.974	VV	152316	3889382	26.06%	0.504%
201	11.998	11.974	12.060	VV	176748	7792514	52.20%	1.010%
202	12.100	12.060	12.144	VV	150911	7017693	47.01%	0.909%
203	12.153	12.144	12.198	VV	136379	4184273	28.03%	0.542%
204	12.221	12.198	12.238	VV	137903	3215849	21.54%	0.417%
205	12.274	12.238	12.288	VV	136130	4011190	26.87%	0.520%
206	12.299	12.288	12.374	VV	136959	6736483	45.13%	0.873%
207	12.394	12.374	12.411	VV	130675	2739999	18.36%	0.355%
208	12.430	12.411	12.515	VV	138566	7683204	51.47%	0.996%
209	12.530	12.515	12.540	VV	115262	1756517	11.77%	0.228%
210	12.557	12.540	12.607	VV	121573	4470080	29.95%	0.579%
211	12.621	12.607	12.639	VV	108422	2024627	13.56%	0.262%
212	12.655	12.639	12.697	VV	109362	3603411	24.14%	0.467%
213	12.723	12.697	12.778	VV	128593	5194655	34.80%	0.673%
214	12.832	12.778	12.864	VV	450002	9470914	63.45%	1.227%
215	12.873	12.864	12.891	VV	98727	1575338	10.55%	0.204%
216	12.912	12.891	12.946	VV	100482	3150053	21.10%	0.408%
217	12.961	12.946	12.980	VV	92633	1795493	12.03%	0.233%
218	13.002	12.980	13.031	VV	95108	2774502	18.59%	0.360%
219	13.053	13.031	13.110	VV	94495	4090133	27.40%	0.530%
220	13.126	13.110	13.175	VV	85715	3204898	21.47%	0.415%
221	13.198	13.175	13.211	VV	80266	1711998	11.47%	0.222%
222	13.224	13.211	13.258	VV	82306	2215724	14.84%	0.287%
223	13.267	13.258	13.294	VV	79934	1687941	11.31%	0.219%
224	13.313	13.294	13.335	VV	81829	1851922	12.41%	0.240%
225	13.355	13.335	13.390	VV	71619	2293552	15.37%	0.297%
226	13.424	13.390	13.443	VV	72637	2221228	14.88%	0.288%
227	13.460	13.443	13.478	VV	75350	1498627	10.04%	0.194%
228	13.501	13.478	13.528	VV	72548	2038719	13.66%	0.264%
229	13.585	13.528	13.608	VV	70182	3090185	20.70%	0.400%
230	13.627	13.608	13.650	VV	64392	1489084	9.98%	0.193%
231	13.662	13.650	13.685	VV	57238	1175523	7.88%	0.152%
232	13.720	13.685	13.751	VV	56331	2117503	14.19%	0.274%
233	13.762	13.751	13.840	VV	51938	2621385	17.56%	0.340%
234	13.849	13.840	13.856	VV	47467	452663	3.03%	0.059%
235	13.875	13.856	13.914	VV	49165	1651209	11.06%	0.214%
236	13.930	13.914	13.948	VV	48655	953402	6.39%	0.124%
237	13.976	13.948	14.001	VV	46843	1421329	9.52%	0.184%
238	14.010	14.001	14.038	VV	43225	931591	6.24%	0.121%
239	14.047	14.038	14.062	VV	43057	612185	4.10%	0.079%
240	14.072	14.062	14.111	VV	43454	1193058	7.99%	0.155%
241	14.135	14.111	14.201	VV	40164	2010251	13.47%	0.261%
242	14.212	14.201	14.225	VV	36241	496072	3.32%	0.064%
243	14.240	14.225	14.265	VV	36857	850291	5.70%	0.110%
244	14.284	14.265	14.305	VV	37551	822441	5.51%	0.107%
245	14.314	14.305	14.345	VV	32855	736974	4.94%	0.096%
246	14.371	14.345	14.391	VV	29951	809095	5.42%	0.105%

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247	14.406	14.391	14.565	VV	29688	2680026	17.95%	0.347%
248	14.597	14.565	14.619	VV	27414	790115	5.29%	0.102%
249	14.638	14.619	14.709	VV	25895	1164365	7.80%	0.151%
250	14.717	14.709	14.733	VV	19241	279747	1.87%	0.036%
251	14.753	14.733	14.776	VV	20697	492457	3.30%	0.064%
252	14.791	14.776	14.818	VV	19062	448035	3.00%	0.058%
253	14.823	14.818	14.857	VV	17074	375833	2.52%	0.049%
254	14.874	14.857	14.890	VV	16099	314104	2.10%	0.041%
255	14.900	14.890	15.002	VV	15884	961802	6.44%	0.125%
256	15.058	15.002	15.162	VV	32417	1472578	9.87%	0.191%
257	15.213	15.162	15.242	VV	20421	612742	4.10%	0.079%
258	15.269	15.242	15.291	VV	11357	295111	1.98%	0.038%
259	15.308	15.291	15.332	VV	9611	213641	1.43%	0.028%
260	15.346	15.332	15.375	VV	8144	197166	1.32%	0.026%
261	15.406	15.375	15.481	VV	8613	479682	3.21%	0.062%
262	15.498	15.481	15.561	VV	6651	292674	1.96%	0.038%
263	15.590	15.561	15.652	VV	6098	292699	1.96%	0.038%
264	15.660	15.652	15.741	VV	5173	247909	1.66%	0.032%
265	15.757	15.741	15.818	VV	4269	173544	1.16%	0.022%
266	15.878	15.818	15.961	VV	4363	295230	1.98%	0.038%
267	15.979	15.961	16.001	VV	3483	78093	0.52%	0.010%
268	16.019	16.001	16.047	VV	3791	90708	0.61%	0.012%
269	16.070	16.047	16.125	VV	5125	156783	1.05%	0.020%
270	16.148	16.125	16.168	VV	9580	156738	1.05%	0.020%
271	16.178	16.168	16.241	VV	5130	124378	0.83%	0.016%
272	16.283	16.241	16.389	VV	2753	163445	1.09%	0.021%
273	16.402	16.389	16.414	VV	1350	19437	0.13%	0.003%
274	16.468	16.414	16.503	VV	6332	152169	1.02%	0.020%
275	16.528	16.503	16.598	VV	5289	130218	0.87%	0.017%
276	16.647	16.598	16.671	VV	2959	85494	0.57%	0.011%
277	16.693	16.671	16.745	VV	4047	79401	0.53%	0.010%
278	16.768	16.745	16.798	VV	1064	28896	0.19%	0.004%
279	16.809	16.798	16.843	VV	967	25929	0.17%	0.003%
280	16.863	16.843	16.905	VV	1363	44509	0.30%	0.006%
281	16.915	16.905	16.922	VV	1208	11138	0.07%	0.001%
282	16.942	16.922	16.982	VV	1232	32728	0.22%	0.004%
283	17.023	16.982	17.075	VV	2578	77946	0.52%	0.010%
284	17.097	17.075	17.134	VV	2630	47729	0.32%	0.006%
285	17.150	17.134	17.164	VV	732	10180	0.07%	0.001%
286	17.184	17.164	17.220	VV	1494	26823	0.18%	0.003%
287	17.250	17.220	17.291	VV	572	14141	0.09%	0.002%
288	17.308	17.291	17.328	VV	291	3151	0.02%	0.000%
289	17.415	17.328	17.441	PV	579	15641	0.10%	0.002%
290	17.491	17.441	17.515	VV	1627	40263	0.27%	0.005%
291	17.532	17.515	17.581	VV	2517	45477	0.30%	0.006%
292	17.653	17.581	17.722	VV	2514	91615	0.61%	0.012%
293	17.745	17.722	17.778	VV	861	16904	0.11%	0.002%
294	17.810	17.778	17.848	PV	1273	35428	0.24%	0.005%
295	17.892	17.848	17.933	VV	12502	255292	1.71%	0.033%
296	17.956	17.933	17.986	VV	3999	71637	0.48%	0.009%
297	18.019	17.986	18.119	VV	2346	85253	0.57%	0.011%
298	18.146	18.119	18.194	VV	3972	67903	0.45%	0.009%
299	18.245	18.194	18.265	VV	668	18891	0.13%	0.002%

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300	18.288	18.265	18.305	VV	1258	22913	0.15%	0.003%
301	18.315	18.305	18.330	VV	1080	14850	0.10%	0.002%
302	18.361	18.330	18.411	VV	4480	93050	0.62%	0.012%
303	18.444	18.411	18.478	VV	2056	55795	0.37%	0.007%
304	18.492	18.478	18.545	VV	1718	41268	0.28%	0.005%
305	18.579	18.545	18.601	VV	833	18440	0.12%	0.002%
306	18.654	18.601	18.674	VV	1610	44243	0.30%	0.006%
307	18.718	18.674	18.742	VV	6607	157563	1.06%	0.020%
308	18.763	18.742	18.801	VV	4802	119127	0.80%	0.015%
309	18.835	18.801	18.888	VV	2592	104737	0.70%	0.014%
310	18.902	18.888	18.914	VV	1845	24160	0.16%	0.003%
311	18.956	18.914	18.991	VV	2501	91024	0.61%	0.012%
312	19.039	18.991	19.081	VV	2015	96885	0.65%	0.013%
313	19.150	19.081	19.171	VV	5202	152963	1.02%	0.020%
314	19.188	19.171	19.214	VV	3739	82725	0.55%	0.011%
315	19.229	19.214	19.268	VV	3107	91217	0.61%	0.012%
316	19.309	19.268	19.337	VV	3638	125788	0.84%	0.016%
317	19.377	19.337	19.425	VV	4509	170646	1.14%	0.022%
318	19.433	19.425	19.442	VV	2911	27784	0.19%	0.004%
319	19.494	19.442	19.504	VV	4397	138824	0.93%	0.018%
320	19.523	19.504	19.596	VV	5609	231800	1.55%	0.030%
321	19.695	19.596	19.733	VV	5022	336209	2.25%	0.044%
322	19.763	19.733	19.778	VV	4852	114206	0.77%	0.015%
323	19.798	19.778	19.816	VV	4536	98478	0.66%	0.013%
324	19.827	19.816	19.858	VV	4478	108420	0.73%	0.014%
325	19.890	19.858	19.909	VV	6117	163631	1.10%	0.021%
326	19.928	19.909	19.955	VV	5274	133703	0.90%	0.017%
327	19.998	19.955	20.011	VV	5248	166261	1.11%	0.022%
328	20.023	20.011	20.052	VV	5173	123153	0.83%	0.016%
329	20.075	20.052	20.141	VV	5094	263043	1.76%	0.034%
330	20.266	20.141	20.292	VV	9981	613238	4.11%	0.079%
331	20.314	20.292	20.378	VV	7139	341978	2.29%	0.044%
332	20.431	20.378	20.448	VV	6397	257721	1.73%	0.033%
333	20.500	20.448	20.524	VV	7113	301740	2.02%	0.039%
334	20.542	20.524	20.561	VV	6886	146573	0.98%	0.019%
335	20.590	20.561	20.651	VV	7100	345328	2.31%	0.045%
336	20.664	20.651	20.681	VV	5631	97451	0.65%	0.013%
337	20.701	20.681	20.728	VV	5573	151077	1.01%	0.020%
338	20.763	20.728	20.771	VV	5826	142023	0.95%	0.018%
339	20.798	20.771	20.808	VV	5907	124025	0.83%	0.016%
340	20.829	20.808	20.841	VV	5863	114246	0.77%	0.015%
341	20.844	20.841	20.855	VV	5796	45288	0.30%	0.006%
342	20.869	20.855	20.898	VV	6020	149552	1.00%	0.019%
343	20.906	20.898	20.978	VV	5775	245289	1.64%	0.032%
344	20.994	20.978	21.068	VV	5211	248623	1.67%	0.032%
345	21.079	21.068	21.084	VV	4407	41024	0.27%	0.005%
346	21.188	21.084	21.219	VV	6028	431406	2.89%	0.056%
347	21.253	21.219	21.272	VV	6069	180707	1.21%	0.023%
348	21.289	21.272	21.354	VV	5913	254884	1.71%	0.033%
349	21.364	21.354	21.430	VV	4032	155051	1.04%	0.020%
350	21.440	21.430	21.476	VV	3088	73905	0.50%	0.010%
351	21.551	21.476	21.615	VV	2979	211385	1.42%	0.027%

rteres

352	21.647	21.615	21.723	VV	2205	114337	0.77%	0.015%
353	21.761	21.723	21.812	VV	1440	60971	0.41%	0.008%
354	21.823	21.812	21.885	VV	752	16783	0.11%	0.002%
355	21.967	21.885	21.985	PV	1639	52482	0.35%	0.007%
356	21.996	21.985	22.018	VV	1409	22127	0.15%	0.003%
357	22.039	22.018	22.048	VV	1346	19221	0.13%	0.002%
358	22.061	22.048	22.081	VV	1477	24672	0.17%	0.003%
359	22.091	22.081	22.101	VV	1194	12390	0.08%	0.002%
360	22.110	22.101	22.141	VV	1043	18719	0.13%	0.002%
361	22.146	22.141	22.174	VV	549	7440	0.05%	0.001%

Sum of corrected areas: 771641951

Aliphatic EPH 032625.M Tue Apr 01 04:48:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068465.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 08:12
Operator : YP/AJ
Sample : Q1675-14DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D2DL

Integration File: autoint1.e
Quant Time: Apr 02 02:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.381	744143	3.746 ug/ml
Spiked Amount 50.000		Recovery =	7.49%
12) S 1-chlorooctadecane (S...	12.824	489435	3.283 ug/ml
Spiked Amount 50.000		Recovery =	6.57%
Target Compounds			

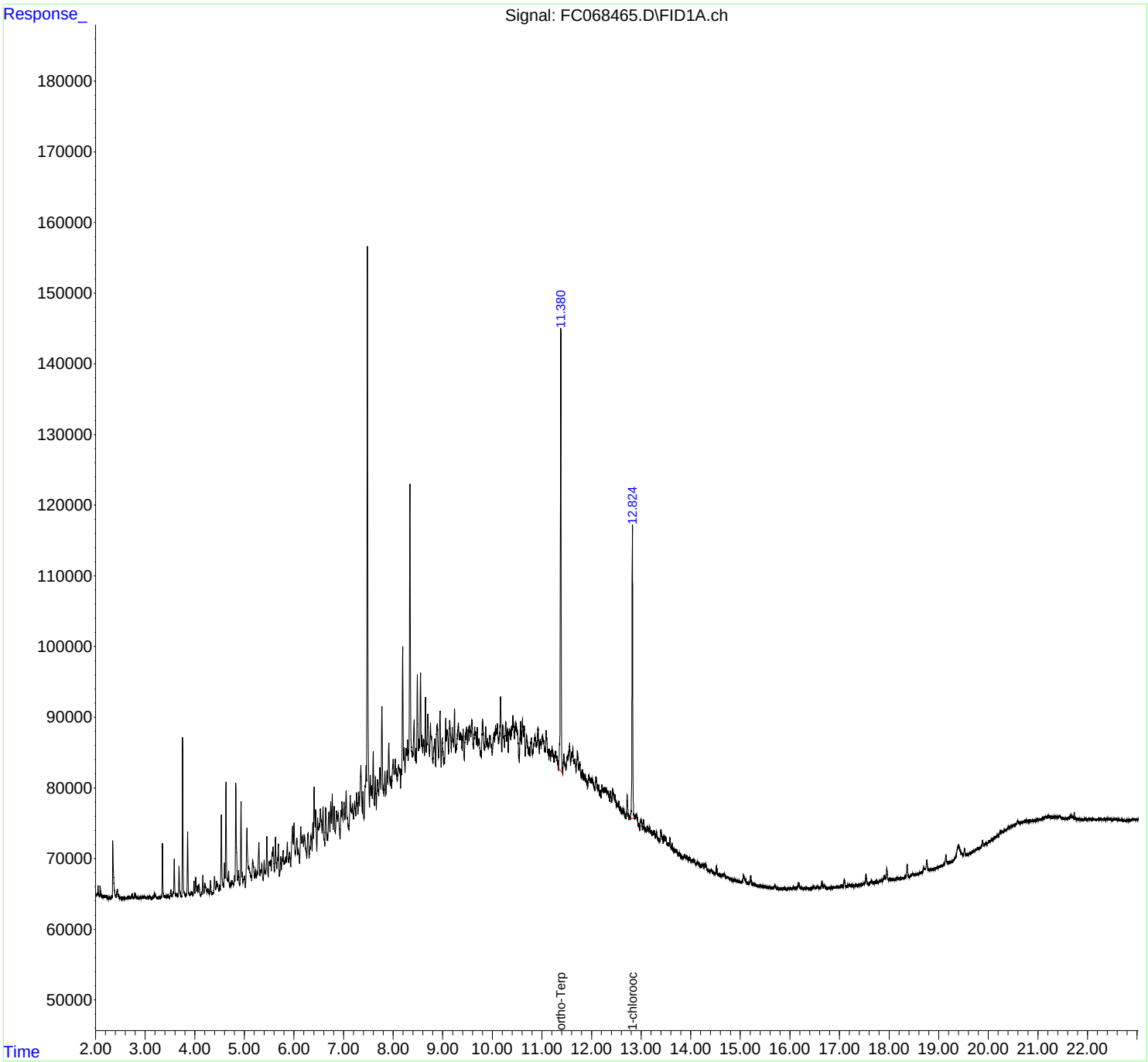
(f)=RT Delta > 1/2 Window (m)=manual int.

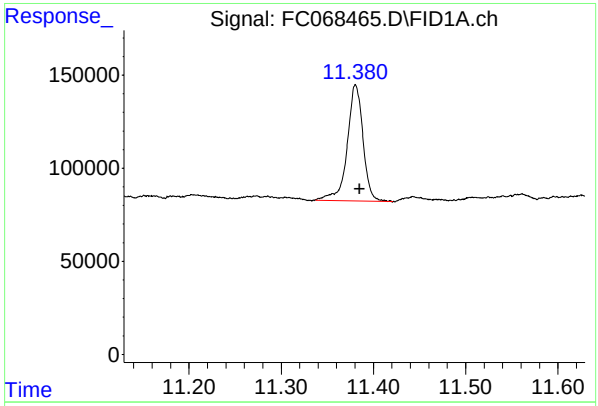
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068465.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 08:12
Operator : YP/AJ
Sample : Q1675-14DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D2DL

Integration File: autoint1.e
Quant Time: Apr 02 02:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

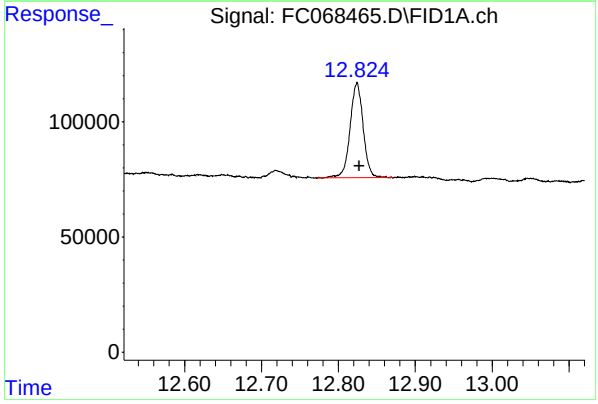




#9 ortho-Terphenyl (SURR)

R.T.: 11.381 min
Delta R.T.: -0.004 min
Response: 744143
Conc: 3.75 ug/ml

Instrument :
FID_C
ClientSampleId :
D2DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.824 min
Delta R.T.: -0.003 min
Response: 489435
Conc: 3.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068465.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 08:12
Sample : Q1675-14DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.349	2.304	2.421	BV	7909	98680	6.00%	0.118%
2	2.436	2.421	2.456	VV	1213	16486	1.00%	0.020%
3	2.463	2.456	2.504	VV	518	5326	0.32%	0.006%
4	2.513	2.504	2.531	VV	136	1009	0.06%	0.001%
5	2.550	2.531	2.571	VV	226	2165	0.13%	0.003%
6	2.580	2.571	2.594	VV	69	530	0.03%	0.001%
7	2.650	2.594	2.714	PV	297	9897	0.60%	0.012%
8	2.735	2.714	2.774	VV	586	10480	0.64%	0.013%
9	2.789	2.774	2.868	VV	808	13560	0.82%	0.016%
10	2.905	2.868	2.919	VV	202	3489	0.21%	0.004%
11	2.933	2.919	2.941	VV	270	2353	0.14%	0.003%
12	2.954	2.941	2.965	VV	334	2836	0.17%	0.003%
13	2.984	2.965	2.998	VV	253	3857	0.23%	0.005%
14	3.006	2.998	3.044	VV	228	3433	0.21%	0.004%
15	3.053	3.044	3.071	VV	215	2032	0.12%	0.002%
16	3.086	3.071	3.112	VV	217	2898	0.18%	0.003%
17	3.121	3.112	3.148	VV	122	1241	0.08%	0.001%
18	3.188	3.148	3.274	VV	736	15697	0.95%	0.019%
19	3.349	3.274	3.392	PV	7748	75034	4.56%	0.090%
20	3.401	3.392	3.420	VV	373	4094	0.25%	0.005%
21	3.431	3.420	3.441	VV	268	2644	0.16%	0.003%
22	3.461	3.441	3.492	VV	545	7801	0.47%	0.009%
23	3.520	3.492	3.544	VV	1150	16938	1.03%	0.020%
24	3.586	3.544	3.621	VV	5466	68247	4.15%	0.082%
25	3.632	3.621	3.664	VV	638	12081	0.73%	0.014%
26	3.684	3.664	3.731	VV	4429	52593	3.20%	0.063%
27	3.755	3.731	3.814	VV	22560	208152	12.66%	0.249%
28	3.857	3.814	3.906	VV	9431	108162	6.58%	0.130%
29	3.946	3.906	3.965	VV	748	20248	1.23%	0.024%
30	3.986	3.965	4.002	VV	2385	27907	1.70%	0.033%
31	4.019	4.002	4.040	VV	2883	42418	2.58%	0.051%
32	4.050	4.040	4.064	VV	1647	18105	1.10%	0.022%
33	4.080	4.064	4.122	VV	1794	36227	2.20%	0.043%
34	4.164	4.122	4.183	VV	3153	43848	2.67%	0.053%
35	4.204	4.183	4.247	VV	2024	50450	3.07%	0.060%
36	4.262	4.247	4.274	VV	1194	16483	1.00%	0.020%

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37	4.285	4.274	4.299	VV	959	11850	0.72%	0.014%
38	4.318	4.299	4.343	VV	2396	33150	2.02%	0.040%
39	4.354	4.343	4.364	VV	650	7559	0.46%	0.009%
40	4.399	4.364	4.420	VV	2942	52266	3.18%	0.063%
41	4.443	4.420	4.486	VV	2256	63706	3.88%	0.076%
42	4.502	4.486	4.514	VV	1703	22075	1.34%	0.026%
43	4.536	4.514	4.582	VV	11690	166311	10.12%	0.199%
44	4.600	4.582	4.611	VV	4973	56803	3.46%	0.068%
45	4.630	4.611	4.668	VV	16239	217956	13.26%	0.261%
46	4.682	4.668	4.702	VV	3656	53695	3.27%	0.064%
47	4.725	4.702	4.736	VV	2099	37211	2.26%	0.045%
48	4.751	4.736	4.787	VV	2343	60315	3.67%	0.072%
49	4.802	4.787	4.810	VV	3000	33729	2.05%	0.040%
50	4.829	4.810	4.867	VV	16198	240687	14.64%	0.288%
51	4.883	4.867	4.904	VV	3714	61609	3.75%	0.074%
52	4.933	4.904	4.971	VV	13460	197002	11.98%	0.236%
53	4.999	4.971	5.020	VV	2975	71847	4.37%	0.086%
54	5.052	5.020	5.082	VV	9666	196792	11.97%	0.236%
55	5.090	5.082	5.147	VV	4322	133732	8.13%	0.160%
56	5.168	5.147	5.206	VV	5208	141688	8.62%	0.170%
57	5.227	5.206	5.244	VV	3771	72999	4.44%	0.087%
58	5.259	5.244	5.266	VV	3569	43907	2.67%	0.053%
59	5.294	5.266	5.315	VV	7728	147943	9.00%	0.177%
60	5.329	5.315	5.338	VV	3819	48768	2.97%	0.058%
61	5.353	5.338	5.380	VV	4642	88162	5.36%	0.106%
62	5.399	5.380	5.414	VV	5114	79498	4.84%	0.095%
63	5.424	5.414	5.433	VV	3743	40429	2.46%	0.048%
64	5.454	5.433	5.481	VV	8541	149884	9.12%	0.180%
65	5.510	5.481	5.520	VV	4983	104919	6.38%	0.126%
66	5.531	5.520	5.544	VV	5198	65589	3.99%	0.079%
67	5.578	5.544	5.605	VV	6988	203292	12.37%	0.244%
68	5.627	5.605	5.655	VV	8397	165776	10.08%	0.199%
69	5.686	5.655	5.708	VV	7407	162167	9.86%	0.194%
70	5.734	5.708	5.748	VV	5653	104127	6.33%	0.125%
71	5.781	5.748	5.800	VV	6436	162648	9.89%	0.195%
72	5.811	5.800	5.818	VV	4985	50376	3.06%	0.060%
73	5.833	5.818	5.845	VV	5517	85157	5.18%	0.102%
74	5.866	5.845	5.892	VV	7657	169099	10.29%	0.203%
75	5.914	5.892	5.935	VV	6305	138437	8.42%	0.166%
76	5.973	5.935	5.987	VV	9984	237035	14.42%	0.284%
77	6.004	5.987	6.024	VV	10287	184925	11.25%	0.222%
78	6.057	6.024	6.081	VV	8123	234360	14.26%	0.281%
79	6.088	6.081	6.113	VV	6553	113097	6.88%	0.135%
80	6.139	6.113	6.161	VV	9816	220962	13.44%	0.265%
81	6.179	6.161	6.195	VV	8615	163774	9.96%	0.196%
82	6.212	6.195	6.258	VV	8636	275620	16.77%	0.330%
83	6.287	6.258	6.308	VV	8947	217816	13.25%	0.261%
84	6.342	6.308	6.365	VV	8551	251772	15.31%	0.302%
85	6.381	6.365	6.390	VV	10310	128828	7.84%	0.154%
86	6.408	6.390	6.427	VV	15415	264651	16.10%	0.317%
87	6.440	6.427	6.462	VV	12062	204546	12.44%	0.245%
88	6.479	6.462	6.492	VV	10962	166546	10.13%	0.199%
89	6.534	6.492	6.568	VV	12226	475566	28.93%	0.570%

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90	6.587	6.568	6.620	VV	12607	296598	18.04%	0.355%
91	6.642	6.620	6.682	VV	12518	355332	21.61%	0.426%
92	6.707	6.682	6.725	VV	11805	266488	16.21%	0.319%
93	6.742	6.725	6.756	VV	13333	207932	12.65%	0.249%
94	6.773	6.756	6.792	VV	14289	256909	15.63%	0.308%
95	6.811	6.792	6.834	VV	12598	276012	16.79%	0.331%
96	6.860	6.834	6.878	VV	11942	282377	17.18%	0.338%
97	6.893	6.878	6.930	VV	11676	321332	19.55%	0.385%
98	6.949	6.930	6.957	VV	12027	168311	10.24%	0.202%
99	6.970	6.957	6.989	VV	13231	238900	14.53%	0.286%
100	7.011	6.989	7.028	VV	13206	273169	16.62%	0.327%
101	7.053	7.028	7.105	VV	14843	533784	32.47%	0.639%
102	7.136	7.105	7.167	VV	14018	447291	27.21%	0.536%
103	7.180	7.167	7.201	VV	12776	242600	14.76%	0.291%
104	7.226	7.201	7.248	VV	13221	341233	20.76%	0.409%
105	7.266	7.248	7.291	VV	14451	337762	20.54%	0.405%
106	7.307	7.291	7.321	VV	14443	237379	14.44%	0.284%
107	7.350	7.321	7.377	VV	18391	513642	31.24%	0.615%
108	7.392	7.377	7.412	VV	14676	269759	16.41%	0.323%
109	7.541	7.523	7.556	VV	16951	292163	17.77%	0.350%
110	7.567	7.556	7.579	VV	15336	208939	12.71%	0.250%
111	7.599	7.579	7.624	VV	20307	428882	26.09%	0.514%
112	7.642	7.624	7.662	VV	16664	325805	19.82%	0.390%
113	7.683	7.662	7.710	VV	16329	430917	26.21%	0.516%
114	7.733	7.710	7.753	VV	17904	419487	25.52%	0.502%
115	7.775	7.753	7.816	VV	26616	700669	42.62%	0.839%
116	7.836	7.816	7.855	VV	17502	360167	21.91%	0.431%
117	7.879	7.855	7.893	VV	17549	376138	22.88%	0.451%
118	7.914	7.893	7.941	VV	21383	512997	31.20%	0.614%
119	7.954	7.941	7.970	VV	16764	279916	17.03%	0.335%
120	8.001	7.970	8.024	VV	19163	576663	35.08%	0.691%
121	8.041	8.024	8.081	VV	18949	602260	36.63%	0.721%
122	8.112	8.081	8.151	VV	18357	729851	44.39%	0.874%
123	8.193	8.151	8.212	VV	34972	810651	49.31%	0.971%
124	8.223	8.212	8.241	VV	20877	328539	19.98%	0.394%
125	8.262	8.241	8.275	VV	20600	404651	24.61%	0.485%
126	8.290	8.275	8.305	VV	21614	363888	22.13%	0.436%
127	8.423	8.385	8.445	VV	24631	771217	46.91%	0.924%
128	8.457	8.445	8.471	VV	20543	302989	18.43%	0.363%
129	8.489	8.471	8.513	VV	31031	626642	38.12%	0.751%
130	8.553	8.513	8.572	VV	31134	842862	51.27%	1.010%
131	8.581	8.572	8.596	VV	22344	316921	19.28%	0.380%
132	8.615	8.596	8.634	VV	21946	475099	28.90%	0.569%
133	8.653	8.634	8.671	VV	28056	520612	31.67%	0.624%
134	8.700	8.671	8.734	VV	25309	843574	51.31%	1.010%
135	8.755	8.734	8.803	VV	24207	885169	53.84%	1.060%
136	8.840	8.803	8.858	VV	21774	667492	40.60%	0.800%
137	8.889	8.858	8.918	VV	23902	776500	47.23%	0.930%
138	8.947	8.918	8.970	VV	25975	691749	42.08%	0.829%
139	8.991	8.970	9.036	VV	22101	793362	48.26%	0.950%
140	9.061	9.036	9.075	VV	24746	501247	30.49%	0.600%
141	9.088	9.075	9.118	VV	23207	574998	34.98%	0.689%

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142	9.143	9.118	9.174	VV	24579	754557	45.90%	0.904%
143	9.192	9.174	9.220	VV	23364	614759	37.39%	0.736%
144	9.238	9.220	9.260	VV	26012	537093	32.67%	0.643%
145	9.315	9.260	9.337	VV	24046	1028053	62.53%	1.231%
146	9.350	9.337	9.360	VV	22698	314008	19.10%	0.376%
147	9.369	9.360	9.390	VV	22509	384518	23.39%	0.461%
148	9.412	9.390	9.433	VV	23038	557550	33.91%	0.668%
149	9.483	9.433	9.501	VV	23452	894536	54.41%	1.071%
150	9.517	9.501	9.530	VV	23320	390548	23.76%	0.468%
151	9.545	9.530	9.568	VV	23593	522062	31.76%	0.625%
152	9.590	9.568	9.621	VV	24444	729290	44.36%	0.874%
153	9.647	9.621	9.682	VV	23504	820704	49.92%	0.983%
154	9.697	9.682	9.716	VV	23385	449536	27.34%	0.538%
155	9.737	9.716	9.759	VV	21861	547272	33.29%	0.656%
156	9.768	9.759	9.779	VV	20164	230679	14.03%	0.276%
157	9.801	9.779	9.848	VV	24421	912815	55.52%	1.093%
158	9.868	9.848	9.892	VV	23551	585712	35.63%	0.702%
159	9.905	9.892	9.918	VV	21861	334348	20.34%	0.400%
160	9.949	9.918	9.998	VV	22103	1018598	61.96%	1.220%
161	10.031	9.998	10.048	VV	22617	640789	38.98%	0.768%
162	10.064	10.048	10.081	VV	23605	456829	27.79%	0.547%
163	10.101	10.081	10.121	VV	23763	549645	33.43%	0.658%
164	10.167	10.121	10.194	VV	27733	1025457	62.38%	1.228%
165	10.211	10.194	10.247	VV	23616	703649	42.80%	0.843%
166	10.271	10.247	10.291	VV	24026	596927	36.31%	0.715%
167	10.306	10.291	10.322	VV	23259	411083	25.00%	0.492%
168	10.349	10.322	10.368	VV	23030	620743	37.76%	0.744%
169	10.415	10.368	10.446	VV	24930	1084756	65.98%	1.299%
170	10.468	10.446	10.541	VV	24081	1271776	77.36%	1.523%
171	10.570	10.541	10.589	VV	24077	636804	38.73%	0.763%
172	10.608	10.589	10.630	VV	24565	568814	34.60%	0.681%
173	10.644	10.630	10.667	VV	23377	485397	29.53%	0.581%
174	10.691	10.667	10.734	VV	22265	837690	50.95%	1.003%
175	10.745	10.734	10.756	VV	20477	269964	16.42%	0.323%
176	10.787	10.756	10.808	VV	21847	640202	38.94%	0.767%
177	10.857	10.808	10.893	VV	22283	1070960	65.14%	1.283%
178	10.922	10.893	10.946	VV	23390	699647	42.56%	0.838%
179	10.969	10.946	10.984	VV	21642	480378	29.22%	0.575%
180	11.015	10.984	11.064	VV	22496	1018237	61.94%	1.220%
181	11.086	11.064	11.142	VV	22750	969519	58.97%	1.161%
182	11.153	11.142	11.191	VV	20010	585647	35.62%	0.701%
183	11.205	11.191	11.249	VV	20589	683371	41.57%	0.819%
184	11.272	11.249	11.334	VV	19999	967783	58.87%	1.159%
185	11.381	11.334	11.421	VV	79557	1644013	100.00%	1.969%
186	11.444	11.421	11.482	VV	19506	673034	40.94%	0.806%
187	11.509	11.482	11.517	VV	19170	386652	23.52%	0.463%
188	11.560	11.517	11.587	VV	21088	813180	49.46%	0.974%
189	11.625	11.587	11.651	VV	20333	736723	44.81%	0.882%
190	11.670	11.651	11.690	VV	18906	431471	26.24%	0.517%
191	11.716	11.690	11.749	VV	19597	656378	39.93%	0.786%
192	11.767	11.749	11.795	VV	18314	474821	28.88%	0.569%
193	11.812	11.795	11.830	VV	17191	350203	21.30%	0.419%
194	11.840	11.830	11.860	VV	16613	293421	17.85%	0.351%

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195	11.871	11.860	11.920	VV	16687	574676	34.96%	0.688%
196	11.947	11.920	11.958	VV	16599	361393	21.98%	0.433%
197	11.964	11.958	11.984	VV	16228	248937	15.14%	0.298%
198	12.014	11.984	12.070	VV	16015	788220	47.94%	0.944%
199	12.089	12.070	12.131	VV	16241	569438	34.64%	0.682%
200	12.145	12.131	12.162	VV	14937	267172	16.25%	0.320%
201	12.177	12.162	12.192	VV	14302	253965	15.45%	0.304%
202	12.212	12.192	12.231	VV	14901	333530	20.29%	0.400%
203	12.250	12.231	12.281	VV	14787	434002	26.40%	0.520%
204	12.294	12.281	12.332	VV	14740	440210	26.78%	0.527%
205	12.337	12.332	12.367	VV	14149	279621	17.01%	0.335%
206	12.385	12.367	12.404	VV	14125	299718	18.23%	0.359%
207	12.427	12.404	12.498	VV	14476	765871	46.59%	0.917%
208	12.507	12.498	12.533	VV	12494	255678	15.55%	0.306%
209	12.551	12.533	12.598	VV	12712	463654	28.20%	0.555%
210	12.618	12.598	12.638	VV	11776	273384	16.63%	0.327%
211	12.650	12.638	12.698	VV	11651	396151	24.10%	0.475%
212	12.719	12.698	12.781	VV	13595	565649	34.41%	0.678%
213	12.824	12.781	12.884	VV	51506	1133163	68.93%	1.357%
214	12.899	12.884	12.942	VV	10823	358282	21.79%	0.429%
215	12.954	12.942	12.974	VV	9593	183417	11.16%	0.220%
216	13.000	12.974	13.024	VV	10150	288038	17.52%	0.345%
217	13.049	13.024	13.078	VV	10083	297916	18.12%	0.357%
218	13.085	13.078	13.104	VV	9002	140371	8.54%	0.168%
219	13.125	13.104	13.154	VV	9202	265860	16.17%	0.318%
220	13.172	13.154	13.227	VV	9163	369468	22.47%	0.443%
221	13.250	13.227	13.284	VV	8295	284178	17.29%	0.340%
222	13.308	13.284	13.374	VV	8445	410051	24.94%	0.491%
223	13.399	13.374	13.443	VV	8677	319936	19.46%	0.383%
224	13.459	13.443	13.478	VV	7866	155956	9.49%	0.187%
225	13.494	13.478	13.531	VV	7756	229417	13.95%	0.275%
226	13.537	13.531	13.559	VV	6748	111960	6.81%	0.134%
227	13.580	13.559	13.609	VV	7483	202620	12.32%	0.243%
228	13.627	13.609	13.648	VV	6751	142734	8.68%	0.171%
229	13.656	13.648	13.678	VV	5933	104207	6.34%	0.125%
230	13.692	13.678	13.703	VV	5772	85074	5.17%	0.102%
231	13.715	13.703	13.753	VV	5801	164754	10.02%	0.197%
232	13.773	13.753	13.831	VV	5428	235741	14.34%	0.282%
233	13.875	13.831	13.910	VV	5035	228583	13.90%	0.274%
234	13.922	13.910	13.947	VV	4893	103082	6.27%	0.123%
235	13.967	13.947	14.047	VV	4637	262698	15.98%	0.315%
236	14.064	14.047	14.108	VV	4453	151508	9.22%	0.181%
237	14.134	14.108	14.191	VV	4158	189293	11.51%	0.227%
238	14.207	14.191	14.222	VV	3545	65039	3.96%	0.078%
239	14.241	14.222	14.264	VV	3729	88461	5.38%	0.106%
240	14.304	14.264	14.390	VV	3746	241240	14.67%	0.289%
241	14.411	14.390	14.436	VV	2913	76355	4.64%	0.091%
242	14.449	14.436	14.485	VV	2713	74037	4.50%	0.089%
243	14.518	14.485	14.555	VV	3372	111860	6.80%	0.134%
244	14.565	14.555	14.595	VV	2281	52926	3.22%	0.063%
245	14.605	14.595	14.627	VV	2259	42368	2.58%	0.051%
246	14.646	14.627	14.658	VV	2319	41529	2.53%	0.050%

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247	14.677	14.658	14.726	VV	2395	83668	5.09%	0.100%
248	14.735	14.726	14.753	VV	1868	29477	1.79%	0.035%
249	14.759	14.753	14.814	VV	1840	62150	3.78%	0.074%
250	14.828	14.814	14.860	VV	1639	39731	2.42%	0.048%
251	14.869	14.860	14.898	VV	1445	32101	1.95%	0.038%
252	14.904	14.898	14.925	VV	1383	22027	1.34%	0.026%
253	14.938	14.925	14.956	VV	1359	22758	1.38%	0.027%
254	14.961	14.956	14.977	VV	1232	15822	0.96%	0.019%
255	14.986	14.977	15.032	VV	1263	36838	2.24%	0.044%
256	15.066	15.032	15.135	VV	2105	90816	5.52%	0.109%
257	15.143	15.135	15.168	VV	1020	18486	1.12%	0.022%
258	15.210	15.168	15.338	VV	2008	97076	5.90%	0.116%
259	15.357	15.338	15.375	VV	645	12315	0.75%	0.015%
260	15.405	15.375	15.428	VV	628	17677	1.08%	0.021%
261	15.437	15.428	15.482	VV	584	15763	0.96%	0.019%
262	15.491	15.482	15.554	VV	432	15975	0.97%	0.019%
263	15.564	15.554	15.571	VV	321	3282	0.20%	0.004%
264	15.590	15.571	15.658	VV	389	14574	0.89%	0.017%
265	15.669	15.658	15.678	VV	298	3201	0.19%	0.004%
266	15.699	15.678	15.769	VV	676	15994	0.97%	0.019%
267	15.775	15.769	15.819	VV	221	3675	0.22%	0.004%
268	15.835	15.819	15.864	VV	170	3364	0.20%	0.004%
269	15.882	15.864	15.938	VV	193	4564	0.28%	0.005%
270	15.965	15.938	15.994	VV	141	3760	0.23%	0.005%
271	16.008	15.994	16.048	VV	183	4102	0.25%	0.005%
272	16.075	16.048	16.133	VV	275	8720	0.53%	0.010%
273	16.178	16.133	16.220	VV	818	20693	1.26%	0.025%
274	16.239	16.220	16.277	VV	221	5526	0.34%	0.007%
275	16.293	16.277	16.318	VV	189	3145	0.19%	0.004%
276	16.340	16.318	16.362	VV	188	3264	0.20%	0.004%
277	16.371	16.362	16.408	VV	156	2186	0.13%	0.003%
278	16.478	16.408	16.521	PV	444	10847	0.66%	0.013%
279	16.550	16.521	16.584	VV	314	6868	0.42%	0.008%
280	16.601	16.584	16.624	VV	195	3395	0.21%	0.004%
281	16.646	16.624	16.678	VV	1012	15876	0.97%	0.019%
282	16.690	16.678	16.791	VV	460	9305	0.57%	0.011%
283	16.802	16.791	16.840	VV	149	2362	0.14%	0.003%
284	16.860	16.840	16.898	VV	220	3281	0.20%	0.004%
285	16.942	16.898	16.986	VV	234	6575	0.40%	0.008%
286	17.029	16.986	17.067	PV	311	8809	0.54%	0.011%
287	17.097	17.067	17.134	VV	1140	18523	1.13%	0.022%
288	17.144	17.134	17.163	VV	167	1995	0.12%	0.002%
289	17.202	17.163	17.221	VV	289	6501	0.40%	0.008%
290	17.237	17.221	17.274	VV	247	4017	0.24%	0.005%
291	17.319	17.274	17.404	VV	170	6991	0.43%	0.008%
292	17.419	17.404	17.427	VV	110	909	0.06%	0.001%
293	17.448	17.427	17.469	VV	128	2312	0.14%	0.003%
294	17.532	17.469	17.571	VV	1477	28520	1.73%	0.034%
295	17.576	17.571	17.593	VV	129	913	0.06%	0.001%
296	17.648	17.593	17.670	PV	420	10099	0.61%	0.012%
297	17.680	17.670	17.721	VV	219	4632	0.28%	0.006%
298	17.739	17.721	17.796	VV	212	4951	0.30%	0.006%
299	17.821	17.796	17.832	VV	286	4474	0.27%	0.005%

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300	17.899	17.832	17.924	VV	778	22106	1.34%	0.026%
301	17.954	17.924	17.998	VV	1735	35102	2.14%	0.042%
302	18.012	17.998	18.038	VV	433	7002	0.43%	0.008%
303	18.052	18.038	18.099	VV	228	5785	0.35%	0.007%
304	18.105	18.099	18.113	VV	117	869	0.05%	0.001%
305	18.161	18.113	18.201	VV	314	9324	0.57%	0.011%
306	18.211	18.201	18.225	VV	198	1939	0.12%	0.002%
307	18.257	18.225	18.287	VV	124	3091	0.19%	0.004%
308	18.363	18.287	18.408	PV	1843	33818	2.06%	0.041%
309	18.469	18.408	18.514	PV	281	12133	0.74%	0.015%
310	18.524	18.514	18.534	VV	231	1629	0.10%	0.002%
311	18.542	18.534	18.547	VV	142	809	0.05%	0.001%
312	18.564	18.547	18.579	VV	87	1768	0.11%	0.002%
313	18.653	18.579	18.671	PV	214	8960	0.55%	0.011%
314	18.703	18.671	18.727	VV	735	16929	1.03%	0.020%
315	18.759	18.727	18.794	VV	1599	33286	2.02%	0.040%
316	18.802	18.794	18.827	VV	339	4219	0.26%	0.005%
317	18.865	18.827	18.882	VV	211	5665	0.34%	0.007%
318	18.901	18.882	18.914	VV	106	1825	0.11%	0.002%
319	19.066	18.914	19.073	VV	275	16770	1.02%	0.020%
320	19.144	19.073	19.192	VV	1602	42368	2.58%	0.051%
321	19.201	19.192	19.234	VV	399	9882	0.60%	0.012%
322	19.255	19.234	19.265	VV	456	7597	0.46%	0.009%
323	19.403	19.265	19.492	VV	2534	165457	10.06%	0.198%
324	19.520	19.492	19.558	VV	1614	41109	2.50%	0.049%
325	19.762	19.558	19.770	VV	1065	106028	6.45%	0.127%
326	19.793	19.770	19.810	VV	1178	26466	1.61%	0.032%
327	19.823	19.810	19.830	VV	1120	12742	0.78%	0.015%
328	19.842	19.830	19.848	VV	1119	11501	0.70%	0.014%
329	19.883	19.848	19.904	VV	2012	51279	3.12%	0.061%
330	19.958	19.904	19.984	VV	1498	67334	4.10%	0.081%

Sum of corrected areas: 83485551

Aliphatic EPH 032625.M Wed Apr 02 04:29:34 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068457.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 21:23
Operator : YP/AJ
Sample : Q1675-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D3

Integration File: autoint1.e
Quant Time: Apr 01 03:21:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.387	5021222	25.279 ug/ml
Spiked Amount 50.000		Recovery =	50.56%
12) S 1-chlorooctadecane (S...	12.828	3644058	24.445 ug/ml
Spiked Amount 50.000		Recovery =	48.89%
Target Compounds			

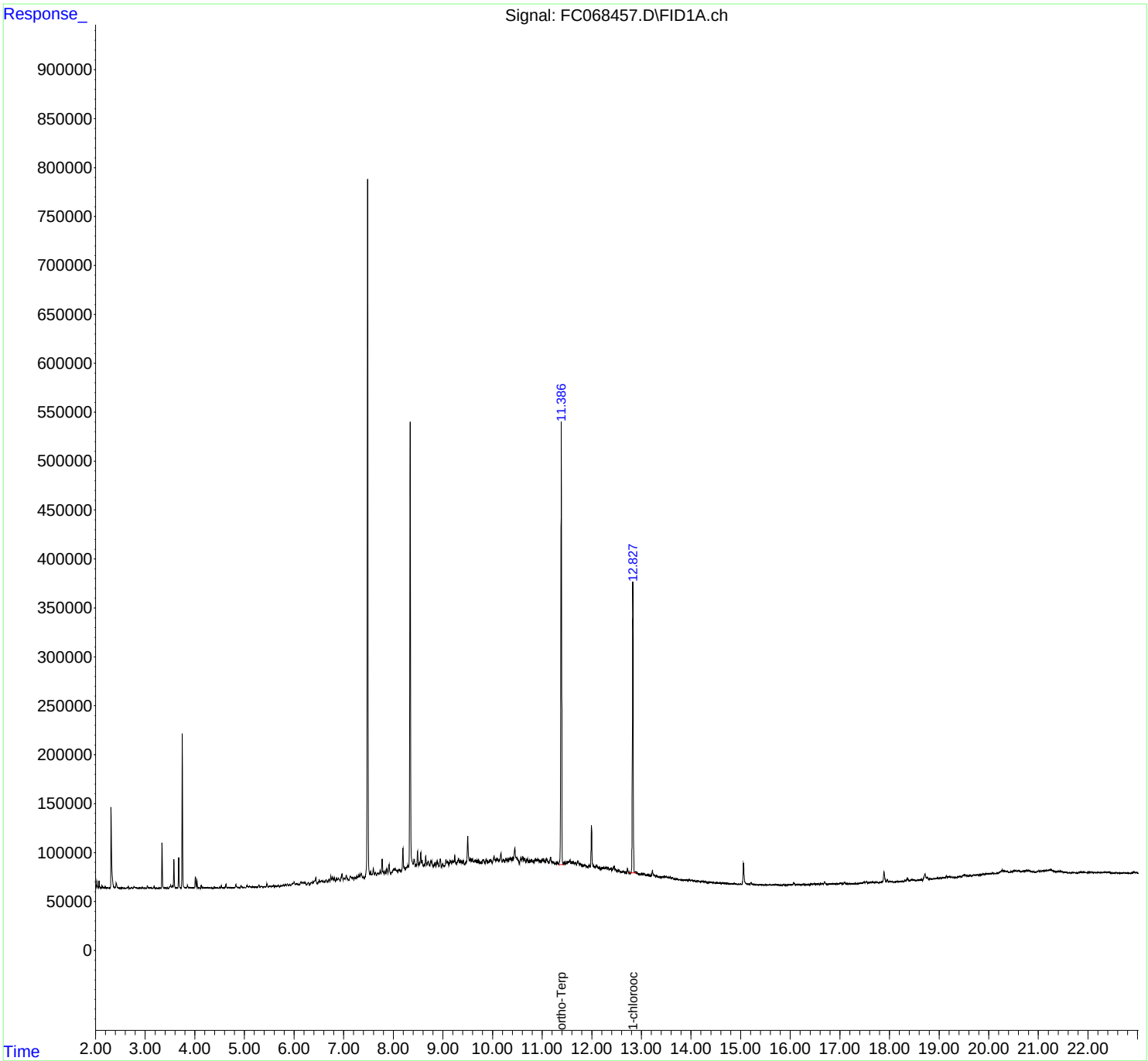
(f)=RT Delta > 1/2 Window (m)=manual int.

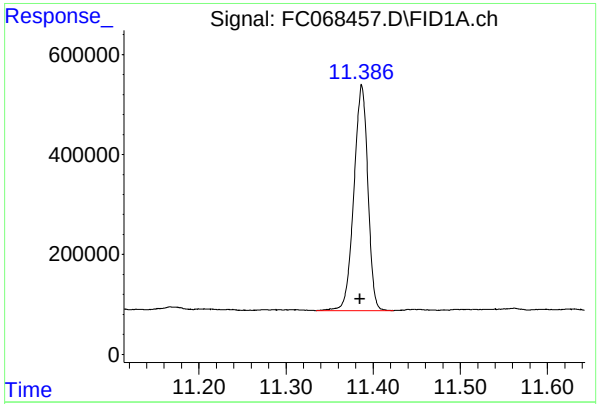
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068457.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 21:23
Operator : YP/AJ
Sample : Q1675-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D3

Integration File: autoint1.e
Quant Time: Apr 01 03:21:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

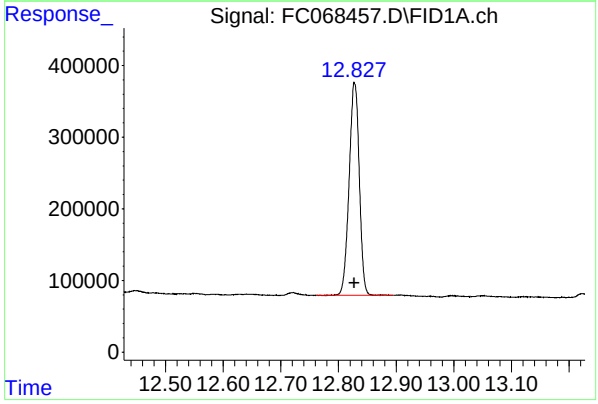




#9 ortho-Terphenyl (SURR)

R.T.: 11.387 min
Delta R.T.: 0.002 min
Response: 5021222
Conc: 25.28 ug/ml

Instrument :
FID_C
ClientSampleId :
D3



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.000 min
Response: 3644058
Conc: 24.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068457.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 21:23
Sample : Q1675-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.416	2.371	2.497	BV	4071	43967	0.71%	0.041%
2	2.507	2.497	2.521	PV	166	764	0.01%	0.001%
3	2.537	2.521	2.588	PV	327	4202	0.07%	0.004%
4	2.658	2.588	2.708	PV	1801	20627	0.33%	0.019%
5	2.724	2.708	2.757	PV	750	12173	0.20%	0.011%
6	2.776	2.757	2.855	VV	1881	37478	0.60%	0.035%
7	2.887	2.855	2.916	VV	463	10891	0.18%	0.010%
8	2.943	2.916	3.027	VV	817	23775	0.38%	0.022%
9	3.044	3.027	3.078	VV	2732	32600	0.53%	0.030%
10	3.088	3.078	3.115	VV	464	8367	0.13%	0.008%
11	3.122	3.115	3.137	VV	390	4247	0.07%	0.004%
12	3.150	3.137	3.160	VV	284	3590	0.06%	0.003%
13	3.179	3.160	3.221	VV	2175	28955	0.47%	0.027%
14	3.234	3.221	3.261	VV	276	3796	0.06%	0.004%
15	3.275	3.261	3.295	PV	410	4732	0.08%	0.004%
16	3.306	3.295	3.317	VV	373	3484	0.06%	0.003%
17	3.340	3.317	3.399	VV	45129	384894	6.20%	0.355%
18	3.418	3.399	3.477	VV	445	12617	0.20%	0.012%
19	3.514	3.477	3.533	VV	3402	55840	0.90%	0.052%
20	3.551	3.533	3.561	VV	3093	32762	0.53%	0.030%
21	3.579	3.561	3.654	VV	29789	269610	4.34%	0.249%
22	3.676	3.654	3.719	VV	31625	272398	4.39%	0.251%
23	3.748	3.719	3.831	VV	156815	1288475	20.75%	1.189%
24	3.852	3.831	3.873	VV	3106	38109	0.61%	0.035%
25	3.880	3.873	3.964	VV	833	30893	0.50%	0.029%
26	3.981	3.964	3.990	VV	511	6332	0.10%	0.006%
27	4.012	3.990	4.030	VV	11707	129148	2.08%	0.119%
28	4.044	4.030	4.110	VV	8113	88119	1.42%	0.081%
29	4.129	4.110	4.146	VV	3107	27194	0.44%	0.025%
30	4.159	4.146	4.178	VV	866	9457	0.15%	0.009%
31	4.198	4.178	4.238	VV	492	10302	0.17%	0.010%
32	4.250	4.238	4.270	VV	695	8685	0.14%	0.008%
33	4.285	4.270	4.298	VV	382	4280	0.07%	0.004%
34	4.315	4.298	4.366	VV	808	11792	0.19%	0.011%
35	4.396	4.366	4.423	VV	1100	15640	0.25%	0.014%
36	4.441	4.423	4.485	VV	483	10110	0.16%	0.009%

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37	4.500	4.485	4.513	PV	718	6074	0.10%	0.006%
38	4.534	4.513	4.560	VV	1957	23677	0.38%	0.022%
39	4.573	4.560	4.581	VV	339	3136	0.05%	0.003%
40	4.597	4.581	4.611	VV	906	10025	0.16%	0.009%
41	4.628	4.611	4.649	VV	3926	42465	0.68%	0.039%
42	4.660	4.649	4.670	VV	570	6721	0.11%	0.006%
43	4.682	4.670	4.696	VV	625	7730	0.12%	0.007%
44	4.709	4.696	4.752	VV	529	12449	0.20%	0.011%
45	4.827	4.752	4.869	VV	3728	68107	1.10%	0.063%
46	4.883	4.869	4.906	VV	958	13795	0.22%	0.013%
47	4.932	4.906	4.947	VV	2828	32492	0.52%	0.030%
48	4.956	4.947	4.973	VV	1112	12777	0.21%	0.012%
49	4.990	4.973	5.020	VV	649	14114	0.23%	0.013%
50	5.052	5.020	5.085	VV	2474	49325	0.79%	0.046%
51	5.104	5.085	5.148	VV	1657	43416	0.70%	0.040%
52	5.167	5.148	5.180	VV	1414	21173	0.34%	0.020%
53	5.190	5.180	5.211	VV	1183	17797	0.29%	0.016%
54	5.219	5.211	5.240	VV	868	13390	0.22%	0.012%
55	5.294	5.240	5.314	VV	3268	65071	1.05%	0.060%
56	5.329	5.314	5.340	VV	1670	21625	0.35%	0.020%
57	5.350	5.340	5.384	VV	1621	29543	0.48%	0.027%
58	5.399	5.384	5.434	VV	1602	35972	0.58%	0.033%
59	5.453	5.434	5.481	VV	4257	61087	0.98%	0.056%
60	5.504	5.481	5.522	VV	1847	38879	0.63%	0.036%
61	5.533	5.522	5.545	VV	1823	21070	0.34%	0.019%
62	5.586	5.545	5.607	VV	2140	63482	1.02%	0.059%
63	5.626	5.607	5.654	VV	2075	47866	0.77%	0.044%
64	5.685	5.654	5.706	VV	2584	60861	0.98%	0.056%
65	5.733	5.706	5.748	VV	2329	43888	0.71%	0.041%
66	5.783	5.748	5.801	VV	3077	78612	1.27%	0.073%
67	5.827	5.801	5.847	VV	3248	79066	1.27%	0.073%
68	5.868	5.847	5.894	VV	3966	87225	1.40%	0.080%
69	5.916	5.894	5.935	VV	3502	69968	1.13%	0.065%
70	6.002	5.935	6.023	VV	5892	218051	3.51%	0.201%
71	6.059	6.023	6.078	VV	4205	123798	1.99%	0.114%
72	6.089	6.078	6.114	VV	3651	71852	1.16%	0.066%
73	6.139	6.114	6.161	VV	5990	135340	2.18%	0.125%
74	6.179	6.161	6.195	VV	5458	105709	1.70%	0.098%
75	6.214	6.195	6.260	VV	5476	172155	2.77%	0.159%
76	6.290	6.260	6.311	VV	5371	129920	2.09%	0.120%
77	6.345	6.311	6.367	VV	5453	152689	2.46%	0.141%
78	6.381	6.367	6.393	VV	6688	85531	1.38%	0.079%
79	6.438	6.393	6.466	VV	10314	295952	4.77%	0.273%
80	6.512	6.466	6.540	VV	7220	258522	4.16%	0.239%
81	6.556	6.540	6.569	VV	7294	114985	1.85%	0.106%
82	6.584	6.569	6.622	VV	6787	194949	3.14%	0.180%
83	6.644	6.622	6.664	VV	7805	169385	2.73%	0.156%
84	6.674	6.664	6.685	VV	6692	79443	1.28%	0.073%
85	6.706	6.685	6.724	VV	8925	177476	2.86%	0.164%
86	6.743	6.724	6.758	VV	11629	187504	3.02%	0.173%
87	6.775	6.758	6.793	VV	11042	195127	3.14%	0.180%
88	6.811	6.793	6.834	VV	10003	210085	3.38%	0.194%
89	6.859	6.834	6.878	VV	9171	212127	3.42%	0.196%

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90	6.897	6.878	6.931	VV	9811	265532	4.28%	0.245%
91	6.968	6.931	6.990	VV	13969	365769	5.89%	0.338%
92	7.009	6.990	7.024	VV	9510	183681	2.96%	0.170%
93	7.054	7.024	7.101	VV	12600	444206	7.15%	0.410%
94	7.136	7.101	7.168	VV	11708	391351	6.30%	0.361%
95	7.182	7.168	7.208	VV	10748	235289	3.79%	0.217%
96	7.225	7.208	7.248	VV	10391	232641	3.75%	0.215%
97	7.264	7.248	7.276	VV	11498	176982	2.85%	0.163%
98	7.282	7.276	7.290	VV	10613	90595	1.46%	0.084%
99	7.308	7.290	7.321	VV	13382	216347	3.48%	0.200%
100	7.351	7.321	7.382	VV	14206	445701	7.18%	0.411%
101	7.395	7.382	7.410	VV	11364	178901	2.88%	0.165%
102	7.543	7.527	7.577	VV	15390	419357	6.75%	0.387%
103	7.599	7.577	7.625	VV	19559	449583	7.24%	0.415%
104	7.644	7.625	7.664	VV	15212	330367	5.32%	0.305%
105	7.688	7.664	7.711	VV	14653	385073	6.20%	0.355%
106	7.735	7.711	7.754	VV	16540	385387	6.21%	0.356%
107	7.777	7.754	7.819	VV	29019	731156	11.78%	0.675%
108	7.836	7.819	7.852	VV	16784	301776	4.86%	0.278%
109	7.872	7.852	7.894	VV	18699	407283	6.56%	0.376%
110	7.916	7.894	7.951	VV	22947	604004	9.73%	0.557%
111	8.011	7.951	8.028	VV	18782	771389	12.42%	0.712%
112	8.042	8.028	8.090	VV	18825	649509	10.46%	0.599%
113	8.115	8.090	8.152	VV	17915	633628	10.20%	0.585%
114	8.195	8.152	8.242	VV	40000	1211896	19.52%	1.118%
115	8.262	8.242	8.273	VV	20526	360864	5.81%	0.333%
116	8.292	8.273	8.309	VV	22338	450660	7.26%	0.416%
117	8.422	8.399	8.446	VV	28277	713591	11.49%	0.659%
118	8.460	8.446	8.471	VV	23611	338581	5.45%	0.312%
119	8.491	8.471	8.513	VV	36625	710096	11.44%	0.655%
120	8.555	8.513	8.571	VV	35147	952857	15.35%	0.879%
121	8.582	8.571	8.607	VV	27673	533124	8.59%	0.492%
122	8.624	8.607	8.635	VV	22928	374493	6.03%	0.346%
123	8.654	8.635	8.686	VV	31660	777539	12.52%	0.718%
124	8.705	8.686	8.737	VV	26548	742290	11.95%	0.685%
125	8.757	8.737	8.801	VV	26675	938903	15.12%	0.866%
126	8.844	8.801	8.860	VV	24981	805413	12.97%	0.743%
127	8.883	8.860	8.919	VV	26114	828270	13.34%	0.764%
128	8.948	8.919	8.972	VV	28510	782377	12.60%	0.722%
129	8.991	8.972	9.024	VV	23458	696098	11.21%	0.642%
130	9.063	9.024	9.081	VV	27974	809225	13.03%	0.747%
131	9.093	9.081	9.122	VV	25326	606660	9.77%	0.560%
132	9.160	9.122	9.174	VV	26633	796436	12.83%	0.735%
133	9.192	9.174	9.206	VV	26695	476366	7.67%	0.440%
134	9.215	9.206	9.225	VV	26557	291604	4.70%	0.269%
135	9.240	9.225	9.271	VV	31990	758422	12.21%	0.700%
136	9.317	9.271	9.336	VV	28806	1006535	16.21%	0.929%
137	9.354	9.336	9.365	VV	26440	447104	7.20%	0.413%
138	9.373	9.365	9.388	VV	26050	358574	5.78%	0.331%
139	9.414	9.388	9.436	VV	26594	724639	11.67%	0.669%
140	9.502	9.436	9.533	VV	51588	1783222	28.72%	1.646%
141	9.550	9.533	9.569	VV	28459	589787	9.50%	0.544%

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142	9.596	9.569	9.623	VV	28739	891415	14.36%	0.823%
143	9.643	9.623	9.658	VV	27305	544723	8.77%	0.503%
144	9.666	9.658	9.758	VV	26519	1543144	24.85%	1.424%
145	9.766	9.758	9.778	VV	24757	299997	4.83%	0.277%
146	9.811	9.778	9.854	VV	27748	1186030	19.10%	1.095%
147	9.870	9.854	9.915	VV	28131	947547	15.26%	0.874%
148	9.952	9.915	10.000	VV	27945	1328521	21.40%	1.226%
149	10.030	10.000	10.064	VV	30308	1075762	17.33%	0.993%
150	10.085	10.064	10.098	VV	27732	553530	8.91%	0.511%
151	10.106	10.098	10.127	VV	28522	469886	7.57%	0.434%
152	10.171	10.127	10.198	VV	34229	1219804	19.65%	1.126%
153	10.215	10.198	10.247	VV	27937	789627	12.72%	0.729%
154	10.271	10.247	10.291	VV	29022	719690	11.59%	0.664%
155	10.308	10.291	10.324	VV	28172	546872	8.81%	0.505%
156	10.346	10.324	10.378	VV	28929	886571	14.28%	0.818%
157	10.449	10.378	10.544	VV	38772	2947761	47.48%	2.720%
158	10.573	10.544	10.590	VV	30021	749491	12.07%	0.692%
159	10.610	10.590	10.635	VV	30522	756261	12.18%	0.698%
160	10.647	10.635	10.673	VV	28639	623366	10.04%	0.575%
161	10.696	10.673	10.734	VV	28215	967068	15.58%	0.892%
162	10.748	10.734	10.761	VV	26324	424595	6.84%	0.392%
163	10.786	10.761	10.813	VV	27267	807684	13.01%	0.745%
164	10.858	10.813	10.889	VV	28016	1203569	19.38%	1.111%
165	10.909	10.889	10.954	VV	27147	1046519	16.85%	0.966%
166	10.972	10.954	10.988	VV	26195	517308	8.33%	0.477%
167	11.017	10.988	11.061	VV	27842	1164779	18.76%	1.075%
168	11.088	11.061	11.122	VV	28535	968898	15.60%	0.894%
169	11.130	11.122	11.140	VV	24733	260649	4.20%	0.241%
170	11.169	11.140	11.255	VV	29640	1756228	28.28%	1.621%
171	11.276	11.255	11.298	VV	23973	616116	9.92%	0.569%
172	11.307	11.298	11.334	VV	24049	512483	8.25%	0.473%
173	11.387	11.334	11.423	VV	472633	6209049	100.00%	5.730%
174	11.447	11.423	11.475	VV	24702	745925	12.01%	0.688%
175	11.561	11.475	11.579	VV	26958	1535122	24.72%	1.417%
176	11.596	11.579	11.610	VV	24933	452400	7.29%	0.417%
177	11.628	11.610	11.660	VV	25251	722629	11.64%	0.667%
178	11.672	11.660	11.695	VV	24277	483540	7.79%	0.446%
179	11.720	11.695	11.798	VV	25981	1438490	23.17%	1.327%
180	11.815	11.798	11.830	VV	21822	411170	6.62%	0.379%
181	11.851	11.830	11.923	VV	21964	1157793	18.65%	1.068%
182	11.951	11.923	11.971	VV	21531	594214	9.57%	0.548%
183	11.996	11.971	12.065	VV	62063	1605791	25.86%	1.482%
184	12.090	12.065	12.135	VV	21290	848262	13.66%	0.783%
185	12.149	12.135	12.188	VV	19271	574193	9.25%	0.530%
186	12.214	12.188	12.267	VV	19215	877362	14.13%	0.810%
187	12.295	12.267	12.371	VV	19254	1130916	18.21%	1.044%
188	12.387	12.371	12.407	VV	18414	381854	6.15%	0.352%
189	12.448	12.407	12.541	VV	20085	1367010	22.02%	1.262%
190	12.551	12.541	12.571	VV	16191	279538	4.50%	0.258%
191	12.585	12.571	12.610	VV	15058	335627	5.41%	0.310%
192	12.642	12.610	12.697	VV	15061	752116	12.11%	0.694%
193	12.721	12.697	12.774	VV	17351	670503	10.80%	0.619%
194	12.828	12.774	12.865	VV	311373	4372131	70.42%	4.035%

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195	12.880	12.865	12.893	VV	14122	238759	3.85%	0.220%
196	12.907	12.893	12.976	VV	13905	625526	10.07%	0.577%
197	12.997	12.976	13.029	VV	12724	388399	6.26%	0.358%
198	13.051	13.029	13.107	VV	12871	544236	8.77%	0.502%
199	13.120	13.107	13.178	VV	11346	463228	7.46%	0.427%
200	13.189	13.178	13.194	VV	10812	105037	1.69%	0.097%
201	13.223	13.194	13.293	VV	15869	680294	10.96%	0.628%
202	13.308	13.293	13.396	VV	10199	575821	9.27%	0.531%
203	13.421	13.396	13.441	VV	9379	243239	3.92%	0.224%
204	13.459	13.441	13.479	VV	9767	207918	3.35%	0.192%
205	13.496	13.479	13.524	VV	9485	248576	4.00%	0.229%
206	13.533	13.524	13.568	VV	9077	222392	3.58%	0.205%
207	13.582	13.568	13.608	VV	9290	201011	3.24%	0.186%
208	13.625	13.608	13.748	VV	8417	594111	9.57%	0.548%
209	13.766	13.748	13.781	VV	6319	122951	1.98%	0.113%
210	13.790	13.781	13.838	VV	6316	203586	3.28%	0.188%
211	13.862	13.838	13.880	VV	5919	143869	2.32%	0.133%
212	13.894	13.880	13.911	VV	5794	105201	1.69%	0.097%
213	13.928	13.911	13.951	VV	5877	135420	2.18%	0.125%
214	13.972	13.951	13.993	VV	6464	144962	2.33%	0.134%
215	14.015	13.993	14.038	VV	5677	143129	2.31%	0.132%
216	14.069	14.038	14.107	VV	5336	202150	3.26%	0.187%
217	14.140	14.107	14.194	VV	5045	233124	3.75%	0.215%
218	14.208	14.194	14.223	VV	4447	73325	1.18%	0.068%
219	14.244	14.223	14.275	VV	4379	127883	2.06%	0.118%
220	14.288	14.275	14.344	VV	3985	152631	2.46%	0.141%
221	14.364	14.344	14.497	VV	3727	286393	4.61%	0.264%
222	14.519	14.497	14.561	VV	3223	108273	1.74%	0.100%
223	14.568	14.561	14.621	VV	2599	88176	1.42%	0.081%
224	14.645	14.621	14.666	VV	3012	69985	1.13%	0.065%
225	14.680	14.666	14.705	VV	2469	52066	0.84%	0.048%
226	14.723	14.705	14.734	VV	2218	37485	0.60%	0.035%
227	14.754	14.734	14.805	VV	2170	81551	1.31%	0.075%
228	14.813	14.805	14.851	VV	1753	45475	0.73%	0.042%
229	14.871	14.851	14.892	VV	2210	43878	0.71%	0.040%
230	14.900	14.892	14.944	VV	1523	44664	0.72%	0.041%
231	14.955	14.944	15.020	VV	1327	55395	0.89%	0.051%
232	15.057	15.020	15.159	VV	22480	432633	6.97%	0.399%
233	15.212	15.159	15.236	VV	3098	75296	1.21%	0.069%
234	15.254	15.236	15.288	VV	1230	30350	0.49%	0.028%
235	15.305	15.288	15.378	VV	757	30182	0.49%	0.028%
236	15.389	15.378	15.398	VV	551	5738	0.09%	0.005%
237	15.425	15.398	15.469	VV	629	21786	0.35%	0.020%
238	15.510	15.469	15.546	VV	563	19827	0.32%	0.018%
239	15.575	15.546	15.668	VV	960	32842	0.53%	0.030%
240	15.700	15.668	15.735	VV	700	16841	0.27%	0.016%
241	15.767	15.735	15.827	VV	341	10652	0.17%	0.010%
242	15.880	15.827	15.905	PV	468	9742	0.16%	0.009%
243	15.987	15.905	16.008	VV	387	11572	0.19%	0.011%
244	16.022	16.008	16.038	VV	437	6603	0.11%	0.006%
245	16.069	16.038	16.121	VV	2096	41898	0.67%	0.039%
246	16.180	16.121	16.209	VV	772	19185	0.31%	0.018%

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247	16.258	16.209	16.298	PV	721	14713	0.24%	0.014%
248	16.309	16.298	16.355	VV	380	7302	0.12%	0.007%
249	16.375	16.355	16.388	VV	255	3650	0.06%	0.003%
250	16.401	16.388	16.415	VV	226	2622	0.04%	0.002%
251	16.482	16.415	16.514	VV	680	26112	0.42%	0.024%
252	16.548	16.514	16.593	VV	606	19750	0.32%	0.018%
253	16.648	16.593	16.669	VV	1407	33024	0.53%	0.030%
254	16.694	16.669	16.748	VV	2604	42852	0.69%	0.040%
255	16.767	16.748	16.781	VV	202	2537	0.04%	0.002%
256	16.812	16.781	16.833	VV	374	6963	0.11%	0.006%
257	16.862	16.833	16.918	VV	469	12846	0.21%	0.012%
258	16.958	16.918	16.978	VV	404	9059	0.15%	0.008%
259	17.014	16.978	17.068	VV	1258	30857	0.50%	0.028%
260	17.097	17.068	17.140	VV	1860	29743	0.48%	0.027%
261	17.186	17.140	17.201	VV	260	6511	0.10%	0.006%
262	17.206	17.201	17.294	VV	303	7329	0.12%	0.007%
263	17.311	17.294	17.323	PV	126	1412	0.02%	0.001%
264	17.364	17.323	17.388	VV	193	4719	0.08%	0.004%
265	17.488	17.388	17.508	VV	1360	42022	0.68%	0.039%
266	17.534	17.508	17.565	VV	1748	36783	0.59%	0.034%
267	17.625	17.565	17.633	VV	774	19849	0.32%	0.018%
268	17.652	17.633	17.697	VV	961	27929	0.45%	0.026%
269	17.709	17.697	17.721	VV	591	7046	0.11%	0.007%
270	17.740	17.721	17.775	VV	853	13864	0.22%	0.013%
271	17.831	17.775	17.845	VV	784	14126	0.23%	0.013%
272	17.888	17.845	17.934	VV	10990	206473	3.33%	0.191%
273	17.957	17.934	17.986	VV	2760	50288	0.81%	0.046%
274	18.016	17.986	18.075	VV	954	29192	0.47%	0.027%
275	18.088	18.075	18.108	VV	308	4072	0.07%	0.004%
276	18.163	18.108	18.195	PV	596	11667	0.19%	0.011%
277	18.222	18.195	18.231	VV	344	4646	0.07%	0.004%
278	18.271	18.231	18.281	VV	380	8968	0.14%	0.008%
279	18.361	18.281	18.411	VV	3466	103559	1.67%	0.096%
280	18.449	18.411	18.475	VV	1800	47974	0.77%	0.044%
281	18.492	18.475	18.535	VV	1237	35751	0.58%	0.033%
282	18.568	18.535	18.585	VV	814	19821	0.32%	0.018%
283	18.589	18.585	18.594	VV	706	3935	0.06%	0.004%
284	18.602	18.594	18.608	VV	794	5548	0.09%	0.005%
285	18.651	18.608	18.665	VV	1241	30253	0.49%	0.028%
286	18.714	18.665	18.740	VV	6520	169006	2.72%	0.156%
287	18.758	18.740	18.811	VV	3459	98944	1.59%	0.091%
288	18.818	18.811	18.838	VV	1634	23499	0.38%	0.022%
289	18.849	18.838	18.886	VV	1478	40188	0.65%	0.037%
290	18.968	18.886	18.988	VV	2245	106077	1.71%	0.098%
291	19.023	18.988	19.053	VV	2200	74540	1.20%	0.069%
292	19.074	19.053	19.098	VV	2057	52344	0.84%	0.048%
293	19.149	19.098	19.167	VV	3384	105718	1.70%	0.098%
294	19.194	19.167	19.209	VV	2905	67791	1.09%	0.063%
295	19.226	19.209	19.242	VV	2679	49686	0.80%	0.046%
296	19.252	19.242	19.268	VV	2468	35075	0.56%	0.032%
297	19.293	19.268	19.313	VV	2179	55477	0.89%	0.051%
298	19.330	19.313	19.350	VV	2013	41023	0.66%	0.038%
299	19.389	19.350	19.401	VV	2509	65335	1.05%	0.060%

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300	19.429	19.401	19.445	VV	2662	63767	1.03%	0.059%
301	19.493	19.445	19.504	VV	3876	110384	1.78%	0.102%
302	19.523	19.504	19.565	VV	4202	132317	2.13%	0.122%
303	19.576	19.565	19.598	VV	3058	57947	0.93%	0.053%
304	19.622	19.598	19.654	VV	3170	97940	1.58%	0.090%
305	19.666	19.654	19.671	VV	3053	29064	0.47%	0.027%
306	19.709	19.671	19.741	VV	3476	137142	2.21%	0.127%
307	19.769	19.741	19.808	VV	3562	131283	2.11%	0.121%
308	19.821	19.808	19.841	VV	3592	65366	1.05%	0.060%
309	19.890	19.841	19.922	VV	4315	181811	2.93%	0.168%
310	19.961	19.922	19.981	VV	4174	139307	2.24%	0.129%
311	20.025	19.981	20.055	VV	4338	179006	2.88%	0.165%
312	20.071	20.055	20.147	VV	4667	231635	3.73%	0.214%
313	20.187	20.147	20.197	VV	4337	125048	2.01%	0.115%
314	20.266	20.197	20.291	VV	7250	327392	5.27%	0.302%
315	20.308	20.291	20.343	VV	6684	192090	3.09%	0.177%
316	20.352	20.343	20.415	VV	5885	225156	3.63%	0.208%
317	20.459	20.415	20.467	VV	5110	149435	2.41%	0.138%
318	20.479	20.467	20.491	VV	5357	76791	1.24%	0.071%
319	20.549	20.491	20.570	VV	5849	268064	4.32%	0.247%
320	20.591	20.570	20.660	VV	5930	283063	4.56%	0.261%
321	20.708	20.660	20.718	VV	5152	172045	2.77%	0.159%
322	20.735	20.718	20.744	VV	5362	79841	1.29%	0.074%
323	20.753	20.744	20.757	VV	5386	42283	0.68%	0.039%
324	20.775	20.757	20.789	VV	5507	103437	1.67%	0.095%
325	20.810	20.789	20.948	VV	5391	412037	6.64%	0.380%
326	21.024	20.948	21.031	VV	4477	198876	3.20%	0.184%
327	21.049	21.031	21.078	VV	4498	120272	1.94%	0.111%
328	21.094	21.078	21.131	VV	4653	140350	2.26%	0.130%
329	21.250	21.131	21.345	VV	5299	566476	9.12%	0.523%
330	21.359	21.345	21.375	VV	3135	53683	0.86%	0.050%
331	21.392	21.375	21.417	VV	3253	79857	1.29%	0.074%
332	21.438	21.417	21.503	VV	3414	146273	2.36%	0.135%
333	21.511	21.503	21.519	VV	2224	21430	0.35%	0.020%
334	21.526	21.519	21.594	VV	2058	75557	1.22%	0.070%
335	21.608	21.594	21.658	VV	1303	46414	0.75%	0.043%
336	21.698	21.658	21.711	VV	1297	38252	0.62%	0.035%
337	21.727	21.711	21.791	VV	1246	46372	0.75%	0.043%
338	21.866	21.791	21.887	VV	1312	58067	0.94%	0.054%
339	21.908	21.887	21.962	VV	1094	40672	0.66%	0.038%
340	21.971	21.962	21.978	VV	473	4323	0.07%	0.004%
341	21.986	21.978	21.992	VV	527	3721	0.06%	0.003%
342	22.052	21.992	22.063	VV	1049	30883	0.50%	0.029%
343	22.066	22.063	22.115	VV	843	17367	0.28%	0.016%
344	22.122	22.115	22.142	VV	367	4231	0.07%	0.004%
345	22.150	22.142	22.161	VV	330	2525	0.04%	0.002%

Sum of corrected areas: 108361439

Aliphatic EPH 032625.M Tue Apr 01 04:48:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068458.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 22:01
Operator : YP/AJ
Sample : Q1675-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D4

Integration File: autoint1.e
Quant Time: Apr 01 03:21:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.387	6614146	33.299 ug/ml
Spiked Amount 50.000		Recovery =	66.60%
12) S 1-chlorooctadecane (S...	12.829	4884405	32.765 ug/ml
Spiked Amount 50.000		Recovery =	65.53%
Target Compounds			

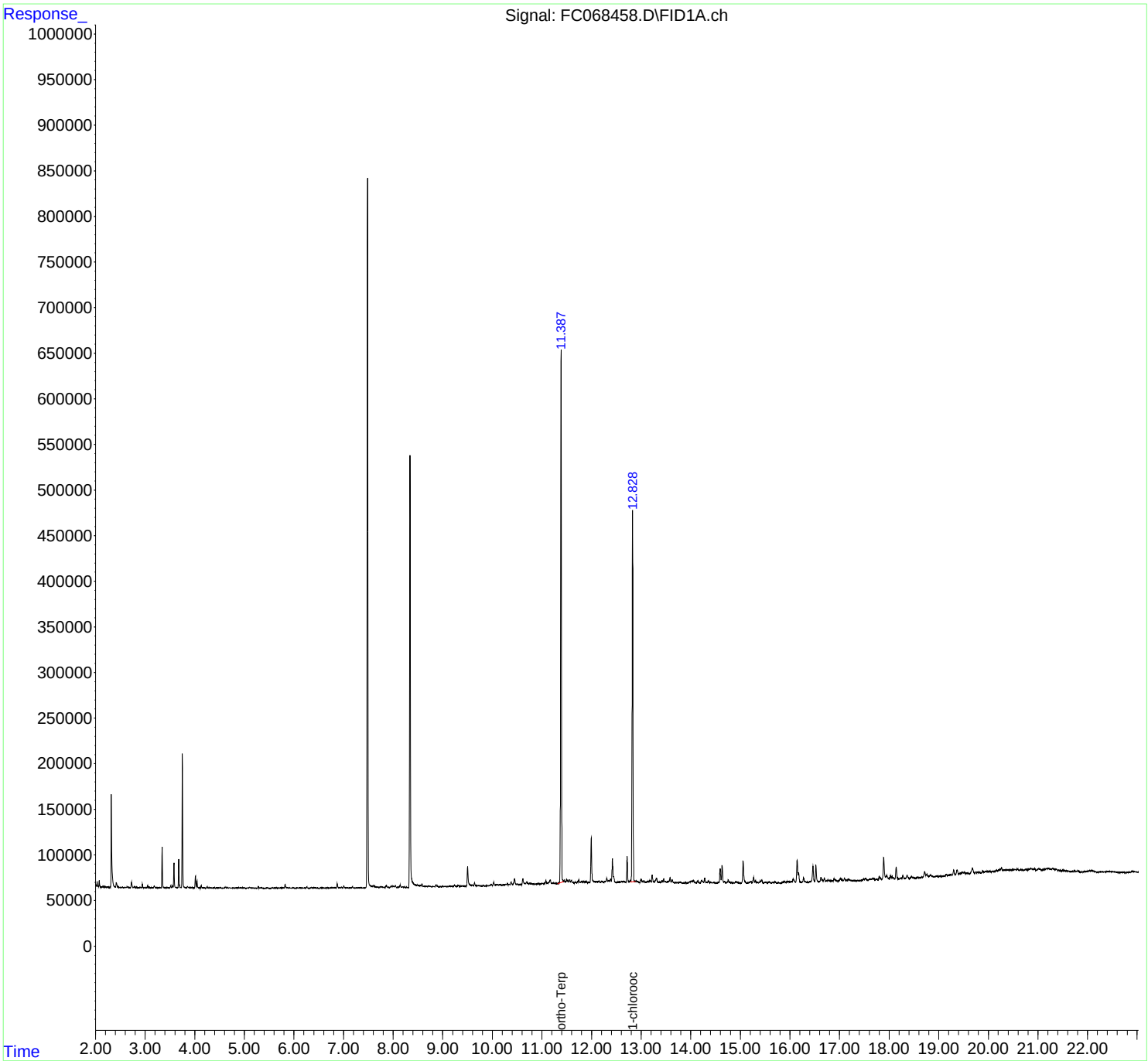
(f)=RT Delta > 1/2 Window (m)=manual int.

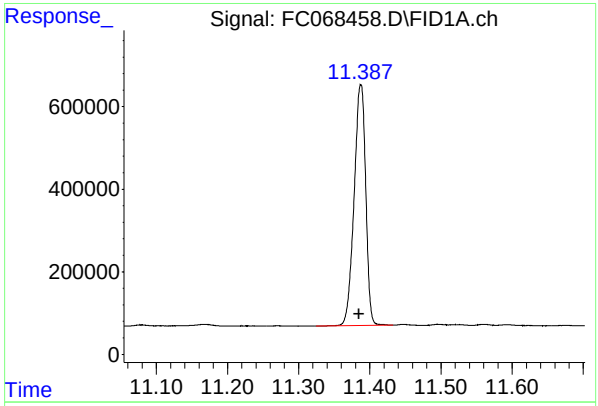
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068458.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 22:01
Operator : YP/AJ
Sample : Q1675-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D4

Integration File: autoint1.e
Quant Time: Apr 01 03:21:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

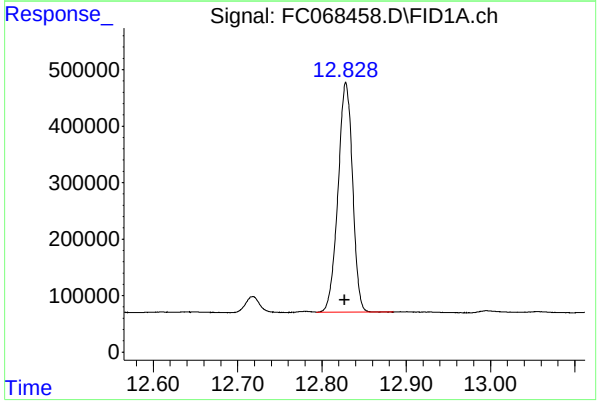




#9 ortho-Terphenyl (SURR)

R.T.: 11.387 min
Delta R.T.: 0.002 min
Response: 6614146
Conc: 33.30 ug/ml

Instrument :
FID_C
ClientSampleId :
D4



#12 1-chlorooctadecane (SURR)

R.T.: 12.829 min
Delta R.T.: 0.001 min
Response: 4884405
Conc: 32.76 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068458.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 22:01
Sample : Q1675-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.419	2.371	2.494	BV	4305	41974	0.61%	0.103%
2	2.508	2.494	2.528	PV	250	1939	0.03%	0.005%
3	2.538	2.528	2.573	VV	427	4725	0.07%	0.012%
4	2.584	2.573	2.613	PV	162	2469	0.04%	0.006%
5	2.637	2.613	2.651	VV	1272	11770	0.17%	0.029%
6	2.660	2.651	2.681	VV	544	4765	0.07%	0.012%
7	2.686	2.681	2.701	VV	75	676	0.01%	0.002%
8	2.724	2.701	2.768	PV	5971	73783	1.08%	0.180%
9	2.782	2.768	2.814	VV	916	16173	0.24%	0.039%
10	2.823	2.814	2.873	VV	497	9820	0.14%	0.024%
11	2.899	2.873	2.924	VV	558	8394	0.12%	0.021%
12	2.944	2.924	3.024	VV	4168	46259	0.68%	0.113%
13	3.049	3.024	3.157	VV	2012	35981	0.53%	0.088%
14	3.183	3.157	3.268	VV	2181	31276	0.46%	0.076%
15	3.285	3.268	3.297	PV	214	2846	0.04%	0.007%
16	3.308	3.297	3.324	VV	328	3389	0.05%	0.008%
17	3.342	3.324	3.406	VV	44673	359999	5.26%	0.879%
18	3.421	3.406	3.435	VV	268	2620	0.04%	0.006%
19	3.449	3.435	3.478	VV	392	4519	0.07%	0.011%
20	3.516	3.478	3.538	VV	2650	28396	0.42%	0.069%
21	3.553	3.538	3.563	VV	2801	26246	0.38%	0.064%
22	3.581	3.563	3.619	VV	27475	241868	3.54%	0.591%
23	3.626	3.619	3.651	VV	448	5495	0.08%	0.013%
24	3.677	3.651	3.727	VV	31091	274920	4.02%	0.671%
25	3.750	3.727	3.821	VV	144432	1213175	17.74%	2.963%
26	3.853	3.821	3.894	VV	1824	34420	0.50%	0.084%
27	3.906	3.894	3.928	VV	555	9805	0.14%	0.024%
28	3.944	3.928	3.987	VV	587	11318	0.17%	0.028%
29	4.014	3.987	4.032	VV	13070	137328	2.01%	0.335%
30	4.045	4.032	4.112	VV	7707	79957	1.17%	0.195%
31	4.130	4.112	4.191	VV	2903	30587	0.45%	0.075%
32	4.200	4.191	4.223	VV	378	3183	0.05%	0.008%
33	4.250	4.223	4.274	VV	1844	18295	0.27%	0.045%
34	4.288	4.274	4.305	VV	1084	10395	0.15%	0.025%
35	4.319	4.305	4.337	VV	539	6425	0.09%	0.016%
36	4.352	4.337	4.375	VV	319	4434	0.06%	0.011%

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37	4.397	4.375	4.427	PV	706	9912	0.14%	0.024%
38	4.442	4.427	4.485	VV	227	6252	0.09%	0.015%
39	4.502	4.485	4.517	VV	662	7039	0.10%	0.017%
40	4.526	4.517	4.564	VV	335	3392	0.05%	0.008%
41	4.600	4.564	4.610	VV	498	6189	0.09%	0.015%
42	4.625	4.610	4.645	VV	1097	13250	0.19%	0.032%
43	4.664	4.645	4.688	VV	764	11889	0.17%	0.029%
44	4.700	4.688	4.729	VV	590	8246	0.12%	0.020%
45	4.772	4.729	4.798	VV	446	6965	0.10%	0.017%
46	4.830	4.798	4.844	VV	292	4942	0.07%	0.012%
47	4.858	4.844	4.869	VV	355	3633	0.05%	0.009%
48	4.885	4.869	4.912	VV	637	10382	0.15%	0.025%
49	4.927	4.912	4.944	VV	530	7076	0.10%	0.017%
50	4.960	4.944	4.976	VV	847	9260	0.14%	0.023%
51	4.987	4.976	5.036	VV	385	5977	0.09%	0.015%
52	5.072	5.036	5.085	PV	264	5002	0.07%	0.012%
53	5.105	5.085	5.128	VV	1179	15150	0.22%	0.037%
54	5.150	5.128	5.216	VV	400	11486	0.17%	0.028%
55	5.232	5.216	5.258	VV	125	1975	0.03%	0.005%
56	5.281	5.258	5.304	VV	2048	23167	0.34%	0.057%
57	5.311	5.304	5.320	VV	466	4185	0.06%	0.010%
58	5.332	5.320	5.390	VV	537	11803	0.17%	0.029%
59	5.412	5.390	5.433	VV	165	1766	0.03%	0.004%
60	5.461	5.433	5.507	VV	375	8494	0.12%	0.021%
61	5.528	5.507	5.540	VV	174	2110	0.03%	0.005%
62	5.560	5.540	5.597	VV	528	10967	0.16%	0.027%
63	5.608	5.597	5.630	VV	295	3838	0.06%	0.009%
64	5.648	5.630	5.666	VV	462	5513	0.08%	0.013%
65	5.689	5.666	5.714	VV	314	6045	0.09%	0.015%
66	5.731	5.714	5.757	VV	381	5681	0.08%	0.014%
67	5.785	5.757	5.798	VV	391	7397	0.11%	0.018%
68	5.822	5.798	5.901	VV	4077	68682	1.00%	0.168%
69	5.916	5.901	5.938	VV	500	6880	0.10%	0.017%
70	5.983	5.938	6.031	VV	601	17393	0.25%	0.042%
71	6.039	6.031	6.052	VV	213	2439	0.04%	0.006%
72	6.076	6.052	6.089	VV	264	4980	0.07%	0.012%
73	6.108	6.089	6.231	VV	618	26021	0.38%	0.064%
74	6.259	6.231	6.319	VV	1551	21854	0.32%	0.053%
75	6.347	6.319	6.388	PV	815	14992	0.22%	0.037%
76	6.406	6.388	6.434	VV	918	13198	0.19%	0.032%
77	6.441	6.434	6.488	VV	328	5681	0.08%	0.014%
78	6.499	6.488	6.515	VV	207	2337	0.03%	0.006%
79	6.536	6.515	6.558	VV	643	8764	0.13%	0.021%
80	6.572	6.558	6.621	VV	331	8161	0.12%	0.020%
81	6.648	6.621	6.697	VV	489	10165	0.15%	0.025%
82	6.790	6.697	6.805	VV	798	28552	0.42%	0.070%
83	6.814	6.805	6.839	VV	561	7008	0.10%	0.017%
84	6.873	6.839	6.904	VV	4851	62499	0.91%	0.153%
85	6.921	6.904	6.938	VV	875	12254	0.18%	0.030%
86	6.958	6.938	6.983	VV	1463	19758	0.29%	0.048%
87	7.006	6.983	7.039	VV	2462	31505	0.46%	0.077%
88	7.053	7.039	7.108	VV	477	8089	0.12%	0.020%
89	7.116	7.108	7.121	VV	142	912	0.01%	0.002%

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90	7.179	7.121	7.208	VV	1799	25436	0.37%	0.062%
91	7.262	7.208	7.291	VV	243	8789	0.13%	0.021%
92	7.303	7.291	7.321	VV	211	2993	0.04%	0.007%
93	7.350	7.321	7.378	VV	657	10188	0.15%	0.025%
94	7.397	7.378	7.412	VV	171	1967	0.03%	0.005%
95	7.597	7.578	7.613	VV	2625	43402	0.63%	0.106%
96	7.623	7.613	7.684	VV	2069	50545	0.74%	0.123%
97	7.698	7.684	7.719	VV	862	15326	0.22%	0.037%
98	7.748	7.719	7.764	VV	1381	27319	0.40%	0.067%
99	7.775	7.764	7.788	VV	1126	14067	0.21%	0.034%
100	7.797	7.788	7.824	VV	847	12809	0.19%	0.031%
101	7.866	7.824	7.899	VV	2918	59324	0.87%	0.145%
102	7.918	7.899	7.931	VV	585	9364	0.14%	0.023%
103	7.963	7.931	7.978	VV	2433	34546	0.51%	0.084%
104	7.991	7.978	8.005	VV	1910	23602	0.35%	0.058%
105	8.014	8.005	8.031	VV	1463	19339	0.28%	0.047%
106	8.046	8.031	8.075	VV	2604	34707	0.51%	0.085%
107	8.144	8.075	8.178	VV	2802	58237	0.85%	0.142%
108	8.193	8.178	8.214	VV	1312	15885	0.23%	0.039%
109	8.233	8.214	8.251	VV	609	9323	0.14%	0.023%
110	8.258	8.251	8.273	VV	331	3923	0.06%	0.010%
111	8.294	8.273	8.306	VV	323	4782	0.07%	0.012%
112	8.490	8.476	8.537	VV	2910	81553	1.19%	0.199%
113	8.554	8.537	8.564	VV	2206	32495	0.48%	0.079%
114	8.581	8.564	8.611	VV	3943	63236	0.92%	0.154%
115	8.631	8.611	8.644	VV	1187	20481	0.30%	0.050%
116	8.654	8.644	8.667	VV	1217	14482	0.21%	0.035%
117	8.681	8.667	8.701	VV	1309	21947	0.32%	0.054%
118	8.718	8.701	8.743	VV	1624	30044	0.44%	0.073%
119	8.752	8.743	8.771	VV	925	13833	0.20%	0.034%
120	8.780	8.771	8.833	VV	906	28639	0.42%	0.070%
121	8.866	8.833	8.928	VV	2861	69471	1.02%	0.170%
122	8.948	8.928	8.970	VV	766	13822	0.20%	0.034%
123	9.004	8.970	9.022	VV	1088	19390	0.28%	0.047%
124	9.038	9.022	9.047	VV	794	9058	0.13%	0.022%
125	9.059	9.047	9.076	VV	804	11300	0.17%	0.028%
126	9.091	9.076	9.111	VV	726	11220	0.16%	0.027%
127	9.141	9.111	9.174	VV	1170	29062	0.42%	0.071%
128	9.185	9.174	9.193	VV	602	6422	0.09%	0.016%
129	9.238	9.193	9.272	VV	2224	53335	0.78%	0.130%
130	9.318	9.272	9.348	VV	1562	48853	0.71%	0.119%
131	9.370	9.348	9.386	VV	1174	21042	0.31%	0.051%
132	9.402	9.386	9.411	VV	1207	15156	0.22%	0.037%
133	9.422	9.411	9.457	VV	1145	25316	0.37%	0.062%
134	9.502	9.457	9.581	VV	22078	374278	5.47%	0.914%
135	9.595	9.581	9.621	VV	1932	39104	0.57%	0.096%
136	9.642	9.621	9.681	VV	4342	78991	1.15%	0.193%
137	9.703	9.681	9.730	VV	1307	34250	0.50%	0.084%
138	9.744	9.730	9.774	VV	1291	27312	0.40%	0.067%
139	9.808	9.774	9.841	VV	1117	37502	0.55%	0.092%
140	9.847	9.841	9.857	VV	833	8251	0.12%	0.020%
141	9.878	9.857	9.898	VV	921	21301	0.31%	0.052%

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142	9.932	9.898	9.944	VV	1152	28404	0.42%	0.069%
143	9.969	9.944	9.999	VV	2224	51852	0.76%	0.127%
144	10.029	9.999	10.054	VV	4362	86122	1.26%	0.210%
145	10.075	10.054	10.127	VV	1985	76823	1.12%	0.188%
146	10.142	10.127	10.152	VV	1793	25155	0.37%	0.061%
147	10.171	10.152	10.194	VV	2149	42030	0.61%	0.103%
148	10.221	10.194	10.248	VV	1860	52300	0.76%	0.128%
149	10.304	10.248	10.322	VV	2722	94151	1.38%	0.230%
150	10.340	10.322	10.352	VV	2194	36308	0.53%	0.089%
151	10.379	10.352	10.406	VV	4900	100111	1.46%	0.245%
152	10.449	10.406	10.479	VV	8317	184890	2.70%	0.452%
153	10.488	10.479	10.511	VV	2314	41019	0.60%	0.100%
154	10.520	10.511	10.538	VV	2275	32244	0.47%	0.079%
155	10.563	10.538	10.581	VV	2144	50248	0.73%	0.123%
156	10.616	10.581	10.670	VV	8407	208606	3.05%	0.509%
157	10.693	10.670	10.734	VV	4759	130571	1.91%	0.319%
158	10.746	10.734	10.758	VV	2965	40135	0.59%	0.098%
159	10.768	10.758	10.809	VV	3103	80713	1.18%	0.197%
160	10.832	10.809	10.864	VV	2489	75577	1.10%	0.185%
161	10.927	10.864	10.955	VV	2810	131337	1.92%	0.321%
162	11.011	10.955	11.031	VV	2972	119568	1.75%	0.292%
163	11.079	11.031	11.117	VV	5520	179210	2.62%	0.438%
164	11.167	11.117	11.206	VV	6600	216973	3.17%	0.530%
165	11.229	11.206	11.251	VV	3082	76894	1.12%	0.188%
166	11.270	11.251	11.300	VV	3196	79124	1.16%	0.193%
167	11.312	11.300	11.328	VV	2702	43340	0.63%	0.106%
168	11.387	11.328	11.432	VV	590663	6839778	100.00%	16.705%
169	11.447	11.432	11.478	VV	6369	137839	2.02%	0.337%
170	11.496	11.478	11.511	VV	6683	110950	1.62%	0.271%
171	11.523	11.511	11.543	VV	5872	98939	1.45%	0.242%
172	11.561	11.543	11.578	VV	6570	108704	1.59%	0.265%
173	11.593	11.578	11.661	VV	5735	192765	2.82%	0.471%
174	11.675	11.661	11.691	VV	3853	62209	0.91%	0.152%
175	11.746	11.691	11.771	VV	6173	202568	2.96%	0.495%
176	11.796	11.771	11.822	VV	4126	119962	1.75%	0.293%
177	11.842	11.822	11.866	VV	4317	105209	1.54%	0.257%
178	11.890	11.866	11.926	VV	4202	130930	1.91%	0.320%
179	11.947	11.926	11.965	VV	3696	79645	1.16%	0.195%
180	11.996	11.965	12.072	VV	52258	804792	11.77%	1.966%
181	12.090	12.072	12.110	VV	4310	89961	1.32%	0.220%
182	12.150	12.110	12.184	VV	4764	177765	2.60%	0.434%
183	12.205	12.184	12.242	VV	4450	132596	1.94%	0.324%
184	12.270	12.242	12.283	VV	4294	94826	1.39%	0.232%
185	12.309	12.283	12.329	VV	7724	153644	2.25%	0.375%
186	12.347	12.329	12.362	VV	5202	92176	1.35%	0.225%
187	12.383	12.362	12.400	VV	6876	122571	1.79%	0.299%
188	12.423	12.400	12.481	VV	29047	531723	7.77%	1.299%
189	12.499	12.481	12.508	VV	3235	50739	0.74%	0.124%
190	12.525	12.508	12.542	VV	3423	66299	0.97%	0.162%
191	12.561	12.542	12.578	VV	3787	71939	1.05%	0.176%
192	12.609	12.578	12.621	VV	4101	93724	1.37%	0.229%
193	12.641	12.621	12.690	VV	4181	149440	2.18%	0.365%
194	12.718	12.690	12.757	VV	31307	449667	6.57%	1.098%

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195	12.781	12.757	12.793	VV	5091	90024	1.32%	0.220%
196	12.829	12.793	12.884	VV	408646	5078418	74.25%	12.403%
197	12.899	12.884	12.919	VV	4359	83485	1.22%	0.204%
198	12.927	12.919	12.978	VV	3827	108532	1.59%	0.265%
199	12.996	12.978	13.034	VV	6195	146415	2.14%	0.358%
200	13.056	13.034	13.097	VV	4415	128041	1.87%	0.313%
201	13.145	13.097	13.164	VV	3700	132443	1.94%	0.323%
202	13.180	13.164	13.203	VV	4918	94308	1.38%	0.230%
203	13.223	13.203	13.264	VV	10876	200545	2.93%	0.490%
204	13.310	13.264	13.368	VV	7332	255258	3.73%	0.623%
205	13.379	13.368	13.396	VV	2835	44174	0.65%	0.108%
206	13.419	13.396	13.438	VV	4338	83130	1.22%	0.203%
207	13.457	13.438	13.480	VV	6371	107197	1.57%	0.262%
208	13.493	13.480	13.521	VV	3299	70782	1.03%	0.173%
209	13.583	13.521	13.608	VV	7648	215070	3.14%	0.525%
210	13.625	13.608	13.692	VV	4849	141261	2.07%	0.345%
211	13.712	13.692	13.736	VV	2219	51333	0.75%	0.125%
212	13.784	13.736	13.808	VV	2491	87552	1.28%	0.214%
213	13.817	13.808	13.878	VV	1846	64080	0.94%	0.157%
214	13.898	13.878	13.908	VV	1727	28864	0.42%	0.070%
215	13.927	13.908	13.946	VV	1680	36044	0.53%	0.088%
216	13.973	13.946	13.987	VV	2711	53836	0.79%	0.131%
217	14.014	13.987	14.034	VV	3605	86470	1.26%	0.211%
218	14.050	14.034	14.097	VV	4378	100668	1.47%	0.246%
219	14.144	14.097	14.181	VV	3544	106712	1.56%	0.261%
220	14.219	14.181	14.258	VV	4471	119568	1.75%	0.292%
221	14.282	14.258	14.318	VV	6845	121398	1.77%	0.297%
222	14.357	14.318	14.391	VV	3409	97571	1.43%	0.238%
223	14.403	14.391	14.424	VV	1810	30280	0.44%	0.074%
224	14.468	14.424	14.503	VV	1765	63592	0.93%	0.155%
225	14.519	14.503	14.531	VV	1290	18523	0.27%	0.045%
226	14.550	14.531	14.561	VV	1595	25013	0.37%	0.061%
227	14.592	14.561	14.612	VV	16819	230914	3.38%	0.564%
228	14.632	14.612	14.664	VV	19979	288413	4.22%	0.704%
229	14.680	14.664	14.719	VV	2590	58023	0.85%	0.142%
230	14.754	14.719	14.814	VV	4307	114360	1.67%	0.279%
231	14.828	14.814	14.851	VV	1169	22627	0.33%	0.055%
232	14.867	14.851	14.883	VV	1182	18544	0.27%	0.045%
233	14.908	14.883	14.918	VV	1874	30130	0.44%	0.074%
234	14.926	14.918	14.998	VV	1753	57391	0.84%	0.140%
235	15.055	14.998	15.119	VV	24274	411078	6.01%	1.004%
236	15.128	15.119	15.148	VV	1016	15474	0.23%	0.038%
237	15.156	15.148	15.164	VV	828	7635	0.11%	0.019%
238	15.209	15.164	15.239	VV	2225	62991	0.92%	0.154%
239	15.266	15.239	15.288	VV	6580	98625	1.44%	0.241%
240	15.304	15.288	15.334	VV	3203	51552	0.75%	0.126%
241	15.344	15.334	15.356	VV	925	11931	0.17%	0.029%
242	15.402	15.356	15.413	VV	2831	53307	0.78%	0.130%
243	15.429	15.413	15.474	VV	3108	61797	0.90%	0.151%
244	15.506	15.474	15.547	VV	1343	35723	0.52%	0.087%
245	15.591	15.547	15.622	VV	1638	41661	0.61%	0.102%
246	15.648	15.622	15.676	VV	945	22052	0.32%	0.054%

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247	15.700	15.676	15.737	VV	1830	35342	0.52%	0.086%
248	15.761	15.737	15.808	VV	638	14683	0.21%	0.036%
249	15.889	15.808	15.921	PV	1518	52096	0.76%	0.127%
250	15.939	15.921	15.954	VV	1534	21614	0.32%	0.053%
251	15.970	15.954	16.018	VV	1254	41904	0.61%	0.102%
252	16.067	16.018	16.104	VV	3985	104777	1.53%	0.256%
253	16.144	16.104	16.165	VV	24256	367995	5.38%	0.899%
254	16.174	16.165	16.234	VV	10964	145502	2.13%	0.355%
255	16.274	16.234	16.301	VV	4544	73364	1.07%	0.179%
256	16.314	16.301	16.380	VV	1185	22130	0.32%	0.054%
257	16.398	16.380	16.418	VV	748	10231	0.15%	0.025%
258	16.463	16.418	16.498	VV	17347	289608	4.23%	0.707%
259	16.522	16.498	16.578	VV	18694	264372	3.87%	0.646%
260	16.624	16.578	16.667	VV	5147	115004	1.68%	0.281%
261	16.693	16.667	16.719	VV	4351	69700	1.02%	0.170%
262	16.768	16.719	16.811	VV	2116	68226	1.00%	0.167%
263	16.832	16.811	16.847	VV	1153	19336	0.28%	0.047%
264	16.892	16.847	16.974	VV	2620	102846	1.50%	0.251%
265	17.019	16.974	17.074	VV	3219	105035	1.54%	0.257%
266	17.098	17.074	17.131	VV	3025	63146	0.92%	0.154%
267	17.144	17.131	17.154	VV	1170	13501	0.20%	0.033%
268	17.179	17.154	17.211	VV	2533	54651	0.80%	0.133%
269	17.224	17.211	17.264	VV	997	21393	0.31%	0.052%
270	17.294	17.264	17.318	VV	702	12202	0.18%	0.030%
271	17.368	17.318	17.381	PV	634	8786	0.13%	0.021%
272	17.420	17.381	17.439	VV	423	9558	0.14%	0.023%
273	17.487	17.439	17.504	VV	2101	42631	0.62%	0.104%
274	17.525	17.504	17.571	VV	2559	55625	0.81%	0.136%
275	17.620	17.571	17.634	VV	1562	37333	0.55%	0.091%
276	17.677	17.634	17.727	VV	2640	83197	1.22%	0.203%
277	17.750	17.727	17.774	VV	1461	25102	0.37%	0.061%
278	17.801	17.774	17.851	PV	4179	86766	1.27%	0.212%
279	17.889	17.851	17.923	VV	24529	397290	5.81%	0.970%
280	17.952	17.923	17.997	VV	4767	134540	1.97%	0.329%
281	18.024	17.997	18.042	VV	4333	70808	1.04%	0.173%
282	18.056	18.042	18.114	VV	3474	87822	1.28%	0.214%
283	18.141	18.114	18.204	VV	13811	219576	3.21%	0.536%
284	18.227	18.204	18.245	VV	1508	28443	0.42%	0.069%
285	18.278	18.245	18.328	VV	3487	84103	1.23%	0.205%
286	18.361	18.328	18.414	VV	4090	101186	1.48%	0.247%
287	18.458	18.414	18.481	VV	2275	62413	0.91%	0.152%
288	18.491	18.481	18.524	VV	1509	29448	0.43%	0.072%
289	18.581	18.524	18.600	VV	1835	50207	0.73%	0.123%
290	18.623	18.600	18.637	VV	1242	22295	0.33%	0.054%
291	18.660	18.637	18.676	VV	2277	36136	0.53%	0.088%
292	18.715	18.676	18.741	VV	7346	171466	2.51%	0.419%
293	18.760	18.741	18.798	VV	4316	111059	1.62%	0.271%
294	18.829	18.798	18.921	VV	3431	170889	2.50%	0.417%
295	18.956	18.921	18.988	VV	2285	74347	1.09%	0.182%
296	19.028	18.988	19.051	VV	1973	65170	0.95%	0.159%
297	19.152	19.051	19.174	VV	3661	166152	2.43%	0.406%
298	19.199	19.174	19.207	VV	2564	49297	0.72%	0.120%
299	19.249	19.207	19.268	VV	3297	104656	1.53%	0.256%

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300	19.301	19.268	19.335	VV	8297	194780	2.85%	0.476%
301	19.370	19.335	19.406	VV	8294	227294	3.32%	0.555%
302	19.455	19.406	19.464	VV	4614	145975	2.13%	0.357%
303	19.490	19.464	19.540	VV	5229	209646	3.07%	0.512%
304	19.551	19.540	19.560	VV	4088	49235	0.72%	0.120%
305	19.581	19.560	19.623	VV	4649	149095	2.18%	0.364%
306	19.679	19.623	19.724	VV	9400	349841	5.11%	0.854%
307	19.746	19.724	19.763	VV	5218	108774	1.59%	0.266%
308	19.776	19.763	19.794	VV	4736	84591	1.24%	0.207%
309	19.812	19.794	19.851	VV	4800	146219	2.14%	0.357%
310	19.891	19.851	19.914	VV	5843	179652	2.63%	0.439%
311	19.952	19.914	19.972	VV	5434	177535	2.60%	0.434%
312	20.031	19.972	20.058	VV	5432	258679	3.78%	0.632%
313	20.086	20.058	20.118	VV	5316	178454	2.61%	0.436%
314	20.129	20.118	20.138	VV	5241	60421	0.88%	0.148%
315	20.163	20.138	20.186	VV	6226	163790	2.39%	0.400%
316	20.265	20.186	20.307	VV	8375	476719	6.97%	1.164%
317	20.343	20.307	20.397	VV	6513	335664	4.91%	0.820%
318	20.409	20.397	20.441	VV	6344	156562	2.29%	0.382%
319	20.456	20.441	20.465	VV	5997	83084	1.21%	0.203%
320	20.594	20.465	20.620	VV	6508	567223	8.29%	1.385%
321	20.669	20.620	20.718	VV	6141	330804	4.84%	0.808%
322	20.752	20.718	20.778	VV	6077	201662	2.95%	0.493%
323	20.782	20.778	20.794	VV	5869	55325	0.81%	0.135%
324	20.852	20.794	20.896	VV	6693	369841	5.41%	0.903%
325	20.915	20.896	20.925	VV	5892	100529	1.47%	0.246%
326	20.937	20.925	20.968	VV	6040	137495	2.01%	0.336%
327	21.019	20.968	21.077	VV	6169	347791	5.08%	0.849%
328	21.189	21.077	21.196	VV	6039	375165	5.49%	0.916%
329	21.210	21.196	21.270	VV	6371	249672	3.65%	0.610%
330	21.295	21.270	21.345	VV	6222	244831	3.58%	0.598%
331	21.371	21.345	21.464	VV	5301	282104	4.12%	0.689%
332	21.479	21.464	21.487	VV	3257	43119	0.63%	0.105%
333	21.521	21.487	21.679	VV	3402	297498	4.35%	0.727%
334	21.732	21.679	21.759	VV	2304	101264	1.48%	0.247%
335	21.767	21.759	21.781	VV	2248	27129	0.40%	0.066%
336	21.800	21.781	21.874	VV	2104	82106	1.20%	0.201%
337	21.968	21.874	21.983	VV	1404	72756	1.06%	0.178%
338	21.995	21.983	22.001	VV	1471	14728	0.22%	0.036%
339	22.040	22.001	22.058	VV	1869	55539	0.81%	0.136%
340	22.068	22.058	22.185	VV	1984	87034	1.27%	0.213%
341	22.196	22.185	22.207	PV	150	1511	0.02%	0.004%

Sum of corrected areas: 40943722

Aliphatic EPH 032625.M Tue Apr 01 04:50:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068459.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 22:38
Operator : YP/AJ
Sample : Q1675-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D5

Integration File: autoint1.e
Quant Time: Apr 01 03:21:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.390	5852009	29.462 ug/ml
Spiked Amount 50.000		Recovery = 58.92%	
12) S 1-chlorooctadecane (S...	12.830	3825417	25.661 ug/ml
Spiked Amount 50.000		Recovery = 51.32%	
Target Compounds			

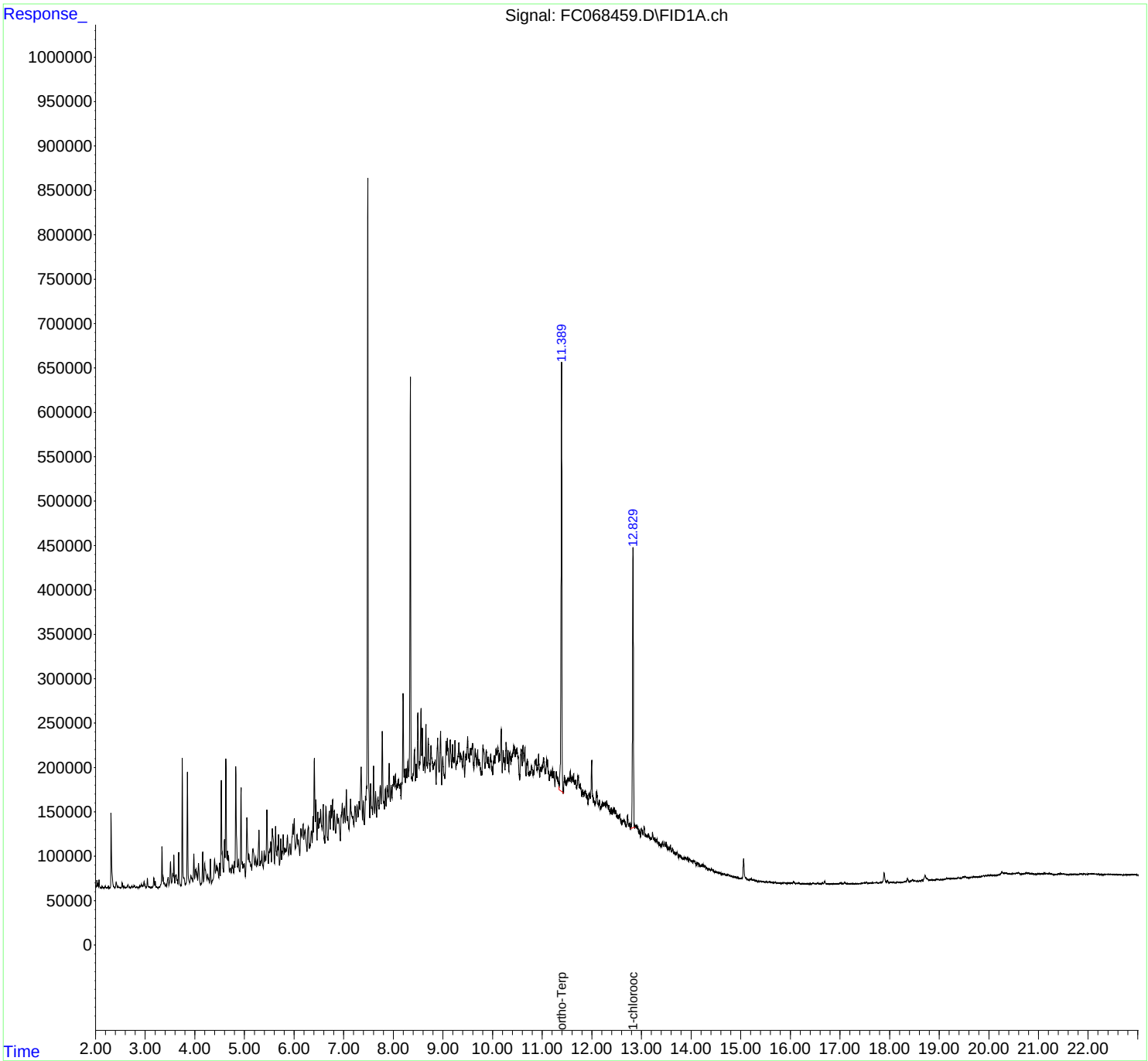
(f)=RT Delta > 1/2 Window (m)=manual int.

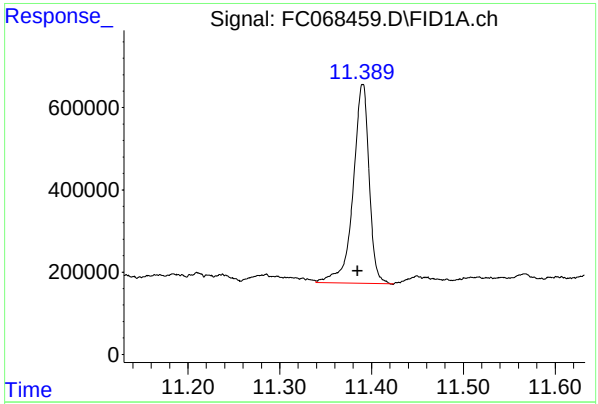
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068459.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 22:38
Operator : YP/AJ
Sample : Q1675-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D5

Integration File: autoint1.e
Quant Time: Apr 01 03:21:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

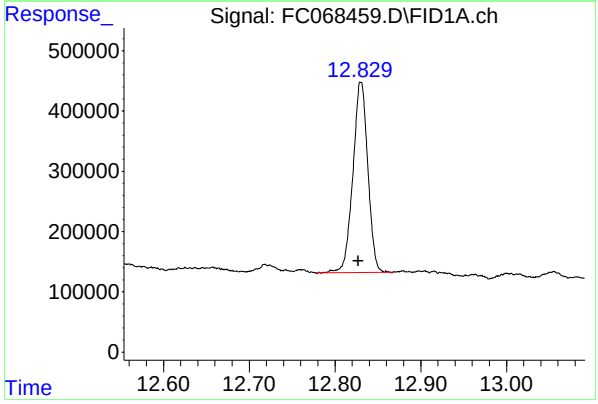




#9 ortho-Terphenyl (SURR)

R.T.: 11.390 min
Delta R.T.: 0.005 min
Response: 5852009
Conc: 29.46 ug/ml

Instrument :
FID_C
ClientSampleId :
D5



#12 1-chlorooctadecane (SURR)

R.T.: 12.830 min
Delta R.T.: 0.003 min
Response: 3825417
Conc: 25.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068459.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 22:38
Sample : Q1675-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.415	2.355	2.442	BV	4901	19091	0.17%	0.003%
2	2.455	2.442	2.514	PV	1089	17397	0.16%	0.003%
3	2.536	2.514	2.597	PV	5867	89105	0.80%	0.016%
4	2.653	2.597	2.681	VV	3907	70297	0.63%	0.013%
5	2.690	2.681	2.705	VV	984	7703	0.07%	0.001%
6	2.733	2.705	2.748	PV	2407	32686	0.29%	0.006%
7	2.775	2.748	2.809	VV	2966	59302	0.53%	0.011%
8	2.846	2.809	2.862	VV	1366	28052	0.25%	0.005%
9	2.895	2.862	2.907	VV	2661	40571	0.36%	0.007%
10	2.923	2.907	2.958	VV	4610	85500	0.76%	0.015%
11	2.978	2.958	3.019	VV	7650	125726	1.12%	0.023%
12	3.045	3.019	3.108	VV	11002	144298	1.29%	0.026%
13	3.175	3.108	3.192	VV	11748	165029	1.47%	0.030%
14	3.204	3.192	3.222	VV	7627	77960	0.70%	0.014%
15	3.231	3.222	3.260	VV	1348	16926	0.15%	0.003%
16	3.280	3.260	3.293	VV	1681	18748	0.17%	0.003%
17	3.339	3.293	3.411	VV	46409	672292	6.00%	0.120%
18	3.420	3.411	3.432	VV	3808	34860	0.31%	0.006%
19	3.461	3.432	3.479	VV	11949	207674	1.85%	0.037%
20	3.510	3.479	3.531	VV	29644	424748	3.79%	0.076%
21	3.578	3.531	3.597	VV	37102	609349	5.44%	0.109%
22	3.623	3.597	3.658	VV	14897	389187	3.47%	0.070%
23	3.675	3.658	3.727	VV	40046	460051	4.11%	0.082%
24	3.748	3.727	3.807	VV	145328	1457201	13.01%	0.261%
25	3.852	3.807	3.897	VV	129879	1482355	13.23%	0.265%
26	3.922	3.897	3.961	VV	13966	376711	3.36%	0.067%
27	3.981	3.961	3.999	VV	38087	471910	4.21%	0.084%
28	4.024	3.999	4.056	VV	21369	556857	4.97%	0.100%
29	4.075	4.056	4.117	VV	27495	502726	4.49%	0.090%
30	4.129	4.117	4.134	VV	5193	44452	0.40%	0.008%
31	4.159	4.134	4.178	VV	40298	473984	4.23%	0.085%
32	4.199	4.178	4.244	VV	27648	673700	6.01%	0.121%
33	4.258	4.244	4.294	VV	14867	312841	2.79%	0.056%
34	4.315	4.294	4.338	VV	32383	411082	3.67%	0.074%
35	4.399	4.338	4.417	VV	32110	739996	6.60%	0.132%
36	4.439	4.417	4.453	VV	25288	445629	3.98%	0.080%

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37	4.462	4.453	4.483	VV	22225	328906	2.94%	0.059%
38	4.499	4.483	4.513	VV	27985	352913	3.15%	0.063%
39	4.534	4.513	4.580	VV	120633	1864918	16.64%	0.334%
40	4.598	4.580	4.608	VV	54469	633139	5.65%	0.113%
41	4.627	4.608	4.647	VV	143448	1838150	16.41%	0.329%
42	4.659	4.647	4.699	VV	40828	983378	8.78%	0.176%
43	4.717	4.699	4.734	VV	22081	417495	3.73%	0.075%
44	4.764	4.734	4.783	VV	24951	620070	5.53%	0.111%
45	4.827	4.783	4.863	VV	134770	2389448	21.33%	0.428%
46	4.882	4.863	4.901	VV	32326	576889	5.15%	0.103%
47	4.932	4.901	4.966	VV	112320	1681710	15.01%	0.301%
48	4.976	4.966	4.985	VV	26692	278713	2.49%	0.050%
49	4.997	4.985	5.019	VV	26998	445362	3.97%	0.080%
50	5.051	5.019	5.078	VV	78745	1534677	13.70%	0.275%
51	5.090	5.078	5.147	VV	37413	1201178	10.72%	0.215%
52	5.170	5.147	5.207	VV	43348	1251974	11.17%	0.224%
53	5.225	5.207	5.242	VV	34119	600778	5.36%	0.108%
54	5.257	5.242	5.266	VV	30384	405223	3.62%	0.073%
55	5.294	5.266	5.313	VV	65106	1182649	10.55%	0.212%
56	5.352	5.313	5.380	VV	40863	1183381	10.56%	0.212%
57	5.399	5.380	5.413	VV	41614	625168	5.58%	0.112%
58	5.454	5.413	5.483	VV	86872	1966116	17.55%	0.352%
59	5.529	5.483	5.544	VV	50859	1470298	13.12%	0.263%
60	5.563	5.544	5.606	VV	65681	1784200	15.92%	0.319%
61	5.628	5.606	5.655	VV	68688	1340508	11.96%	0.240%
62	5.687	5.655	5.707	VV	59556	1346799	12.02%	0.241%
63	5.733	5.707	5.749	VV	54346	978365	8.73%	0.175%
64	5.782	5.749	5.800	VV	59442	1331139	11.88%	0.238%
65	5.812	5.800	5.824	VV	44001	594897	5.31%	0.106%
66	5.836	5.824	5.845	VV	42644	527949	4.71%	0.095%
67	5.867	5.845	5.893	VV	58700	1364747	12.18%	0.244%
68	5.917	5.893	5.936	VV	49197	1079078	9.63%	0.193%
69	5.976	5.936	5.988	VV	70845	1729666	15.44%	0.310%
70	6.004	5.988	6.025	VV	77424	1364805	12.18%	0.244%
71	6.061	6.025	6.078	VV	59227	1641825	14.65%	0.294%
72	6.087	6.078	6.115	VV	53736	1032440	9.21%	0.185%
73	6.138	6.115	6.160	VV	65913	1483772	13.24%	0.266%
74	6.182	6.160	6.198	VV	70684	1441676	12.87%	0.258%
75	6.223	6.198	6.261	VV	64351	2091095	18.66%	0.374%
76	6.288	6.261	6.308	VV	68255	1600577	14.28%	0.287%
77	6.319	6.308	6.324	VV	47913	460905	4.11%	0.083%
78	6.350	6.324	6.366	VV	63251	1403678	12.53%	0.251%
79	6.382	6.366	6.391	VV	79675	1009432	9.01%	0.181%
80	6.409	6.391	6.429	VV	145131	2342629	20.91%	0.419%
81	6.441	6.429	6.464	VV	98652	1591440	14.20%	0.285%
82	6.479	6.464	6.495	VV	84534	1304306	11.64%	0.233%
83	6.536	6.495	6.567	VV	87737	3207505	28.63%	0.574%
84	6.588	6.567	6.621	VV	93194	2239561	19.99%	0.401%
85	6.644	6.621	6.683	VV	90624	2528119	22.56%	0.453%
86	6.711	6.683	6.729	VV	84240	1998911	17.84%	0.358%
87	6.745	6.729	6.758	VV	91903	1380206	12.32%	0.247%
88	6.776	6.758	6.794	VV	97970	1812905	16.18%	0.325%
89	6.814	6.794	6.840	VV	87285	1994607	17.80%	0.357%

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90	6.868	6.840	6.884	VV	81721	1937874	17.30%	0.347%
91	6.897	6.884	6.932	VV	77069	2003462	17.88%	0.359%
92	6.972	6.932	6.992	VV	94603	2801168	25.00%	0.501%
93	7.012	6.992	7.032	VV	88414	1941772	17.33%	0.348%
94	7.055	7.032	7.075	VV	109274	2266640	20.23%	0.406%
95	7.083	7.075	7.107	VV	79595	1386072	12.37%	0.248%
96	7.140	7.107	7.208	VV	98791	4846763	43.26%	0.868%
97	7.229	7.208	7.252	VV	90614	2196025	19.60%	0.393%
98	7.269	7.252	7.295	VV	92344	2134829	19.05%	0.382%
99	7.311	7.295	7.325	VV	95371	1646424	14.69%	0.295%
100	7.352	7.325	7.381	VV	134932	3521119	31.43%	0.630%
101	7.396	7.381	7.417	VV	95759	1809178	16.15%	0.324%
102	7.544	7.526	7.585	VV	116138	3265388	29.14%	0.585%
103	7.603	7.585	7.625	VV	135376	2570949	22.95%	0.460%
104	7.644	7.625	7.665	VV	106777	2229664	19.90%	0.399%
105	7.691	7.665	7.715	VV	100244	2705817	24.15%	0.484%
106	7.739	7.715	7.756	VV	112307	2535110	22.63%	0.454%
107	7.779	7.756	7.822	VV	174821	4653386	41.53%	0.833%
108	7.840	7.822	7.856	VV	110223	1980920	17.68%	0.355%
109	7.878	7.856	7.897	VV	113668	2569654	22.93%	0.460%
110	7.917	7.897	7.941	VV	138302	3075634	27.45%	0.551%
111	7.958	7.941	7.974	VV	113926	2117287	18.90%	0.379%
112	8.009	7.974	8.028	VV	124717	3678648	32.83%	0.659%
113	8.043	8.028	8.062	VV	126108	2446528	21.83%	0.438%
114	8.102	8.062	8.132	VV	119261	4782410	42.68%	0.856%
115	8.142	8.132	8.157	VV	115787	1630421	14.55%	0.292%
116	8.199	8.157	8.218	VV	217574	5251984	46.87%	0.940%
117	8.228	8.218	8.244	VV	129918	1983796	17.71%	0.355%
118	8.262	8.244	8.275	VV	132365	2353102	21.00%	0.421%
119	8.295	8.275	8.310	VV	141423	2709399	24.18%	0.485%
120	8.427	8.385	8.449	VV	154044	5108140	45.59%	0.914%
121	8.464	8.449	8.476	VV	137173	2055980	18.35%	0.368%
122	8.495	8.476	8.519	VV	194194	4116243	36.74%	0.737%
123	8.529	8.519	8.538	VV	139977	1550112	13.83%	0.277%
124	8.559	8.538	8.574	VV	200429	3668753	32.74%	0.657%
125	8.587	8.574	8.608	VV	177718	3121391	27.86%	0.559%
126	8.627	8.608	8.641	VV	144994	2722914	24.30%	0.487%
127	8.658	8.641	8.688	VV	182227	4231119	37.76%	0.757%
128	8.706	8.688	8.740	VV	165964	4599041	41.05%	0.823%
129	8.760	8.740	8.799	VV	157247	5046197	45.04%	0.903%
130	8.845	8.799	8.863	VV	141580	5216925	46.56%	0.934%
131	8.894	8.863	8.928	VV	163817	5507482	49.15%	0.986%
132	8.953	8.928	8.975	VV	174106	4172863	37.24%	0.747%
133	8.998	8.975	9.041	VV	145892	5141243	45.88%	0.920%
134	9.065	9.041	9.077	VV	163984	3140102	28.02%	0.562%
135	9.091	9.077	9.128	VV	165931	4593709	41.00%	0.822%
136	9.147	9.128	9.178	VV	165181	4473321	39.92%	0.801%
137	9.195	9.178	9.231	VV	159007	4622558	41.26%	0.827%
138	9.244	9.231	9.264	VV	163624	2943152	26.27%	0.527%
139	9.321	9.264	9.343	VV	161757	6958385	62.10%	1.246%
140	9.356	9.343	9.393	VV	148671	4274571	38.15%	0.765%
141	9.418	9.393	9.439	VV	152676	3885782	34.68%	0.696%

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142	9.464	9.439	9.478	VV	147718	3261353	29.11%	0.584%
143	9.500	9.478	9.538	VV	166056	5460314	48.73%	0.977%
144	9.553	9.538	9.575	VV	155021	3303716	29.49%	0.591%
145	9.598	9.575	9.623	VV	160400	4351368	38.84%	0.779%
146	9.649	9.623	9.681	VV	153862	5047626	45.05%	0.904%
147	9.701	9.681	9.718	VV	153483	3148142	28.10%	0.564%
148	9.729	9.718	9.765	VV	142444	3808075	33.99%	0.682%
149	9.808	9.765	9.845	VV	159117	6817588	60.85%	1.220%
150	9.873	9.845	9.898	VV	153075	4520545	40.35%	0.809%
151	9.910	9.898	9.938	VV	145515	3318525	29.62%	0.594%
152	9.961	9.938	10.006	VV	148484	5619533	50.15%	1.006%
153	10.031	10.006	10.050	VV	145147	3752543	33.49%	0.672%
154	10.069	10.050	10.088	VV	153940	3341714	29.82%	0.598%
155	10.106	10.088	10.126	VV	156086	3471259	30.98%	0.621%
156	10.139	10.126	10.155	VV	148880	2451518	21.88%	0.439%
157	10.175	10.155	10.197	VV	175943	3940030	35.16%	0.705%
158	10.217	10.197	10.252	VV	151574	4618769	41.22%	0.827%
159	10.275	10.252	10.296	VV	159426	3913469	34.93%	0.701%
160	10.312	10.296	10.330	VV	152337	2869993	25.61%	0.514%
161	10.348	10.330	10.369	VV	149808	3370560	30.08%	0.603%
162	10.429	10.369	10.455	VV	156727	7652600	68.30%	1.370%
163	10.493	10.455	10.544	VV	155796	7778113	69.42%	1.392%
164	10.576	10.544	10.594	VV	152308	4179250	37.30%	0.748%
165	10.613	10.594	10.631	VV	155800	3294516	29.40%	0.590%
166	10.652	10.631	10.678	VV	154812	3952510	35.28%	0.708%
167	10.701	10.678	10.741	VV	142160	5034107	44.93%	0.901%
168	10.749	10.741	10.758	VV	128454	1263634	11.28%	0.226%
169	10.784	10.758	10.814	VV	135215	4356686	38.88%	0.780%
170	10.825	10.814	10.831	VV	128895	1302155	11.62%	0.233%
171	10.860	10.831	10.875	VV	141412	3561216	31.78%	0.637%
172	10.879	10.875	10.895	VV	141975	1641766	14.65%	0.294%
173	10.928	10.895	10.951	VV	148222	4577824	40.86%	0.819%
174	10.974	10.951	10.991	VV	132920	3169616	28.29%	0.567%
175	11.028	10.991	11.055	VV	143560	5177407	46.21%	0.927%
176	11.064	11.055	11.073	VV	129719	1459297	13.02%	0.261%
177	11.090	11.073	11.146	VV	141295	5738974	51.22%	1.027%
178	11.185	11.146	11.198	VV	128880	3914481	34.94%	0.701%
179	11.211	11.198	11.228	VV	131727	2305360	20.57%	0.413%
180	11.237	11.228	11.258	VV	127363	2143644	19.13%	0.384%
181	11.284	11.258	11.340	VV	127758	5893062	52.59%	1.055%
182	11.390	11.340	11.423	VV	595768	11204670	100.00%	2.006%
183	11.450	11.423	11.488	VV	122987	4503789	40.20%	0.806%
184	11.514	11.488	11.550	VV	120540	4372001	39.02%	0.783%
185	11.566	11.550	11.588	VV	129639	2797961	24.97%	0.501%
186	11.603	11.588	11.615	VV	120507	1983722	17.70%	0.355%
187	11.634	11.615	11.656	VV	125844	2946619	26.30%	0.527%
188	11.670	11.656	11.697	VV	118040	2778888	24.80%	0.497%
189	11.724	11.697	11.755	VV	123641	4050507	36.15%	0.725%
190	11.771	11.755	11.804	VV	115122	3218751	28.73%	0.576%
191	11.816	11.804	11.838	VV	105522	2094939	18.70%	0.375%
192	11.873	11.838	11.891	VV	106142	3283218	29.30%	0.588%
193	11.900	11.891	11.928	VV	101466	2188633	19.53%	0.392%
194	11.949	11.928	11.971	VV	104057	2608811	23.28%	0.467%

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195	11.998	11.971	12.071	VV	140006	6292910	56.16%	1.126%
196	12.095	12.071	12.131	VV	105724	3497466	31.21%	0.626%
197	12.149	12.131	12.173	VV	94781	2291943	20.46%	0.410%
198	12.216	12.173	12.238	VV	93049	3503772	31.27%	0.627%
199	12.252	12.238	12.286	VV	93055	2630386	23.48%	0.471%
200	12.303	12.286	12.376	VV	94813	4763310	42.51%	0.853%
201	12.390	12.376	12.410	VV	86164	1717801	15.33%	0.307%
202	12.447	12.410	12.468	VV	86604	2909857	25.97%	0.521%
203	12.482	12.468	12.509	VV	84349	1966453	17.55%	0.352%
204	12.528	12.509	12.541	VV	78650	1512763	13.50%	0.271%
205	12.555	12.541	12.604	VV	79131	2802432	25.01%	0.502%
206	12.657	12.604	12.695	VV	73677	3874700	34.58%	0.694%
207	12.720	12.695	12.750	VV	76518	2363204	21.09%	0.423%
208	12.761	12.750	12.785	VV	69305	1364767	12.18%	0.244%
209	12.830	12.785	12.868	VV	381983	7059508	63.01%	1.264%
210	12.879	12.868	12.890	VV	67287	887324	7.92%	0.159%
211	12.901	12.890	12.949	VV	66524	2267377	20.24%	0.406%
212	12.962	12.949	12.981	VV	61209	1134690	10.13%	0.203%
213	13.002	12.981	13.032	VV	63231	1822172	16.26%	0.326%
214	13.054	13.032	13.114	VV	65899	2872514	25.64%	0.514%
215	13.141	13.114	13.182	VV	57468	2244658	20.03%	0.402%
216	13.199	13.182	13.207	VV	52714	784307	7.00%	0.140%
217	13.224	13.207	13.298	VV	58982	2863443	25.56%	0.513%
218	13.313	13.298	13.335	VV	51843	1090548	9.73%	0.195%
219	13.341	13.335	13.394	VV	48229	1639506	14.63%	0.293%
220	13.422	13.394	13.441	VV	48300	1293916	11.55%	0.232%
221	13.457	13.441	13.480	VV	48047	1048937	9.36%	0.188%
222	13.495	13.480	13.561	VV	47993	2104622	18.78%	0.377%
223	13.584	13.561	13.606	VV	45118	1116463	9.96%	0.200%
224	13.625	13.606	13.693	VV	41229	1939184	17.31%	0.347%
225	13.718	13.693	13.748	VV	36432	1131124	10.10%	0.202%
226	13.767	13.748	13.832	VV	33257	1590398	14.19%	0.285%
227	13.874	13.832	13.915	VV	30928	1485632	13.26%	0.266%
228	13.928	13.915	13.945	VV	30847	530506	4.73%	0.095%
229	13.967	13.945	13.998	VV	29415	889766	7.94%	0.159%
230	14.014	13.998	14.038	VV	27530	642450	5.73%	0.115%
231	14.074	14.038	14.105	VV	26904	1020657	9.11%	0.183%
232	14.139	14.105	14.192	VV	24580	1197232	10.69%	0.214%
233	14.210	14.192	14.228	VV	22833	462339	4.13%	0.083%
234	14.241	14.228	14.267	VV	22554	500717	4.47%	0.090%
235	14.282	14.267	14.353	VV	21460	984810	8.79%	0.176%
236	14.372	14.353	14.395	VV	17688	431582	3.85%	0.077%
237	14.414	14.395	14.499	VV	17821	992452	8.86%	0.178%
238	14.506	14.499	14.515	VV	14452	133741	1.19%	0.024%
239	14.520	14.515	14.571	VV	14780	465842	4.16%	0.083%
240	14.580	14.571	14.621	VV	13557	384680	3.43%	0.069%
241	14.642	14.621	14.661	VV	12164	284551	2.54%	0.051%
242	14.677	14.661	14.738	VV	11945	513364	4.58%	0.092%
243	14.748	14.738	14.855	VV	11099	684138	6.11%	0.122%
244	14.871	14.855	14.884	VV	8967	155657	1.39%	0.028%
245	14.900	14.884	15.011	VV	8910	581423	5.19%	0.104%
246	15.016	15.011	15.022	VV	7022	43416	0.39%	0.008%

rteres

247	15.057	15.022	15.162	VV	29498	866182	7.73%	0.155%
248	15.209	15.162	15.250	VV	6438	291391	2.60%	0.052%
249	15.260	15.250	15.363	VV	5214	284929	2.54%	0.051%
250	15.386	15.363	15.396	VV	3620	71527	0.64%	0.013%
251	15.408	15.396	15.491	VV	3749	183457	1.64%	0.033%
252	15.498	15.491	15.550	VV	3024	97212	0.87%	0.017%
253	15.578	15.550	15.678	VV	3054	180520	1.61%	0.032%
254	15.700	15.678	15.731	VV	2396	62064	0.55%	0.011%
255	15.744	15.731	15.831	VV	1738	85558	0.76%	0.015%
256	15.875	15.831	15.935	VV	1663	82023	0.73%	0.015%
257	15.939	15.935	15.958	VV	1207	15660	0.14%	0.003%
258	15.980	15.958	15.999	VV	1395	30266	0.27%	0.005%
259	16.019	15.999	16.040	VV	1625	33612	0.30%	0.006%
260	16.069	16.040	16.118	VV	2991	76412	0.68%	0.014%
261	16.180	16.118	16.231	VV	1367	56732	0.51%	0.010%
262	16.255	16.231	16.276	VV	730	15738	0.14%	0.003%
263	16.311	16.276	16.411	VV	609	33504	0.30%	0.006%
264	16.468	16.411	16.514	VV	1143	38724	0.35%	0.007%
265	16.542	16.514	16.598	VV	852	28951	0.26%	0.005%
266	16.648	16.598	16.668	VV	1408	29796	0.27%	0.005%
267	16.692	16.668	16.768	VV	3061	52357	0.47%	0.009%
268	16.782	16.768	16.808	VV	175	2744	0.02%	0.000%
269	16.819	16.808	16.831	VV	329	2263	0.02%	0.000%
270	16.864	16.831	16.917	VV	538	12684	0.11%	0.002%
271	16.947	16.917	16.970	VV	388	7435	0.07%	0.001%
272	17.015	16.970	17.068	VV	1390	36637	0.33%	0.007%
273	17.097	17.068	17.132	VV	1803	33576	0.30%	0.006%
274	17.151	17.132	17.161	VV	351	4446	0.04%	0.001%
275	17.182	17.161	17.241	VV	358	11267	0.10%	0.002%
276	17.251	17.241	17.285	VV	185	2512	0.02%	0.000%
277	17.303	17.285	17.313	PV	139	1240	0.01%	0.000%
278	17.332	17.313	17.348	VV	177	1867	0.02%	0.000%
279	17.409	17.348	17.430	VV	352	7095	0.06%	0.001%
280	17.488	17.430	17.509	VV	1198	28009	0.25%	0.005%
281	17.532	17.509	17.573	VV	1586	30833	0.28%	0.006%
282	17.652	17.573	17.725	VV	864	43096	0.38%	0.008%
283	17.740	17.725	17.794	VV	858	15800	0.14%	0.003%
284	17.834	17.794	17.848	VV	900	16576	0.15%	0.003%
285	17.889	17.848	17.934	VV	11484	228404	2.04%	0.041%
286	17.957	17.934	17.998	VV	2909	50976	0.45%	0.009%
287	18.019	17.998	18.034	VV	719	11874	0.11%	0.002%
288	18.046	18.034	18.071	VV	573	9584	0.09%	0.002%
289	18.082	18.071	18.110	VV	405	3793	0.03%	0.001%
290	18.163	18.110	18.195	PV	651	14364	0.13%	0.003%
291	18.200	18.195	18.207	VV	134	937	0.01%	0.000%
292	18.217	18.207	18.241	PV	225	3048	0.03%	0.001%
293	18.361	18.241	18.405	VV	3580	109122	0.97%	0.020%
294	18.463	18.405	18.548	VV	2098	110120	0.98%	0.020%
295	18.572	18.548	18.591	VV	819	18896	0.17%	0.003%
296	18.651	18.591	18.670	VV	1798	49254	0.44%	0.009%
297	18.716	18.670	18.742	VV	6769	176690	1.58%	0.032%
298	18.755	18.742	18.803	VV	3370	86952	0.78%	0.016%
299	18.818	18.803	18.846	VV	1434	35027	0.31%	0.006%

rteres

300	18.862	18.846	18.885	VV	1545	32404	0.29%	0.006%
301	18.895	18.885	18.916	VV	1400	23242	0.21%	0.004%
302	18.956	18.916	19.000	VV	1983	79318	0.71%	0.014%
303	19.026	19.000	19.055	VV	1439	44010	0.39%	0.008%
304	19.062	19.055	19.069	VV	1508	11526	0.10%	0.002%
305	19.076	19.069	19.084	VV	1376	12298	0.11%	0.002%
306	19.150	19.084	19.169	VV	2771	93458	0.83%	0.017%
307	19.192	19.169	19.221	VV	2505	68280	0.61%	0.012%
308	19.229	19.221	19.245	VV	2319	31232	0.28%	0.006%
309	19.289	19.245	19.316	VV	2408	91352	0.82%	0.016%
310	19.338	19.316	19.348	VV	2106	35335	0.32%	0.006%
311	19.381	19.348	19.406	VV	2958	78919	0.70%	0.014%
312	19.421	19.406	19.442	VV	2179	43470	0.39%	0.008%
313	19.491	19.442	19.505	VV	3437	104366	0.93%	0.019%
314	19.522	19.505	19.594	VV	3998	152187	1.36%	0.027%
315	19.648	19.594	19.668	VV	2837	108499	0.97%	0.019%
316	19.707	19.668	19.743	VV	3408	134533	1.20%	0.024%
317	19.755	19.743	19.768	VV	2812	40444	0.36%	0.007%
318	19.818	19.768	19.834	VV	2992	110169	0.98%	0.020%
319	19.890	19.834	19.914	VV	3929	158724	1.42%	0.028%
320	19.945	19.914	19.965	VV	3839	109951	0.98%	0.020%
321	20.027	19.965	20.044	VV	3967	181721	1.62%	0.033%
322	20.059	20.044	20.093	VV	3905	107747	0.96%	0.019%
323	20.123	20.093	20.139	VV	3779	97788	0.87%	0.018%
324	20.155	20.139	20.171	VV	3734	68857	0.61%	0.012%
325	20.195	20.171	20.203	VV	4050	72423	0.65%	0.013%
326	20.265	20.203	20.301	VV	7267	326796	2.92%	0.058%
327	20.310	20.301	20.324	VV	6138	79747	0.71%	0.014%
328	20.335	20.324	20.395	VV	5744	223604	2.00%	0.040%
329	20.400	20.395	20.444	VV	4866	140067	1.25%	0.025%
330	20.475	20.444	20.495	VV	5025	141221	1.26%	0.025%
331	20.514	20.495	20.532	VV	4986	107608	0.96%	0.019%
332	20.600	20.532	20.668	VV	5396	384503	3.43%	0.069%
333	20.681	20.668	20.695	VV	3971	62329	0.56%	0.011%
334	20.699	20.695	20.704	VV	4087	22529	0.20%	0.004%
335	20.761	20.704	20.855	VV	4927	395269	3.53%	0.071%
336	20.867	20.855	20.915	VV	4027	128040	1.14%	0.023%
337	20.928	20.915	20.961	VV	3361	89208	0.80%	0.016%
338	20.994	20.961	21.011	VV	3453	99532	0.89%	0.018%
339	21.021	21.011	21.046	VV	3368	68362	0.61%	0.012%
340	21.128	21.046	21.213	VV	3589	323367	2.89%	0.058%
341	21.227	21.213	21.245	VV	3233	58562	0.52%	0.010%
342	21.254	21.245	21.310	VV	3016	94039	0.84%	0.017%
343	21.324	21.310	21.354	VV	1991	47799	0.43%	0.009%
344	21.452	21.354	21.481	VV	2624	169772	1.52%	0.030%
345	21.490	21.481	21.548	VV	2106	72503	0.65%	0.013%
346	21.560	21.548	21.576	VV	1524	23381	0.21%	0.004%
347	21.586	21.576	21.614	VV	1231	25851	0.23%	0.005%
348	21.665	21.614	21.687	VV	1480	56892	0.51%	0.010%
349	21.704	21.687	21.715	VV	1326	21296	0.19%	0.004%
350	21.726	21.715	21.761	VV	1213	30827	0.28%	0.006%
351	21.769	21.761	21.798	VV	995	20904	0.19%	0.004%

rteres

352	21.872	21.798	21.961	VV	1302	96689	0.86%	0.017%
353	21.969	21.961	21.981	VV	875	8828	0.08%	0.002%
354	21.996	21.981	22.003	VV	990	10102	0.09%	0.002%
355	22.022	22.003	22.043	VV	1101	22458	0.20%	0.004%
356	22.053	22.043	22.081	VV	1173	22405	0.20%	0.004%
357	22.090	22.081	22.188	VV	915	34510	0.31%	0.006%

Sum of corrected areas: 558635446

Aliphatic EPH 032625.M Tue Apr 01 04:51:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068466.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 08:49
Operator : YP/AJ
Sample : Q1675-17DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D5DL

Integration File: autoint1.e
Quant Time: Apr 02 02:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.382	1132153	5.700 ug/ml
Spiked Amount 50.000		Recovery =	11.40%
12) S 1-chlorooctadecane (S...	12.824	756885	5.077 ug/ml
Spiked Amount 50.000		Recovery =	10.15%
Target Compounds			

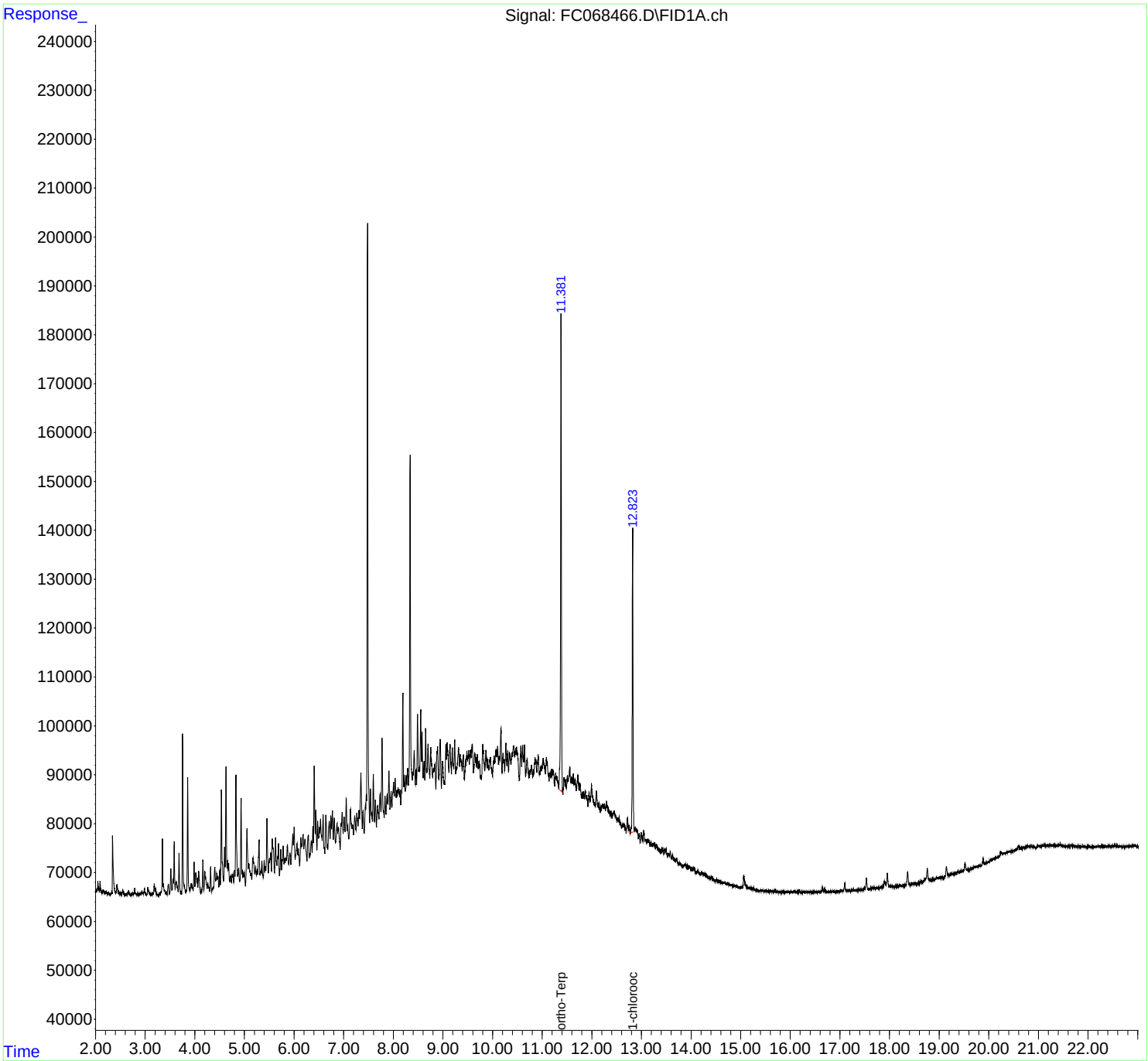
(f)=RT Delta > 1/2 Window (m)=manual int.

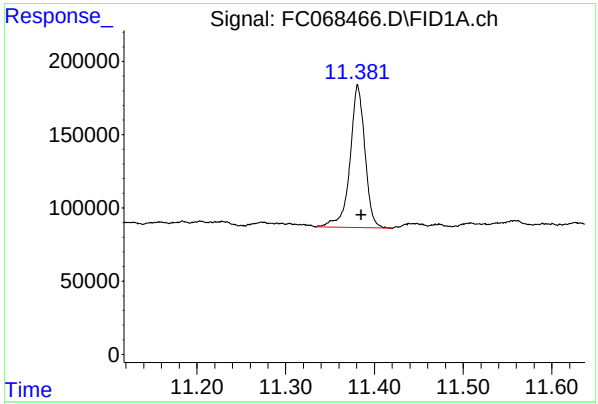
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068466.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 08:49
Operator : YP/AJ
Sample : Q1675-17DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
D5DL

Integration File: autoint1.e
Quant Time: Apr 02 02:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

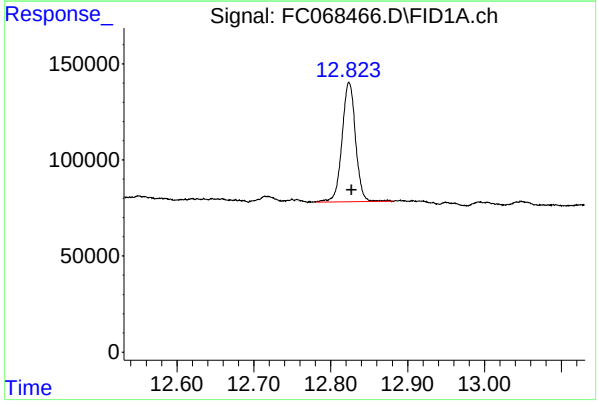




#9 ortho-Terphenyl (SURR)

R.T.: 11.382 min
Delta R.T.: -0.003 min
Response: 1132153
Conc: 5.70 ug/ml

Instrument :
FID_C
ClientSampleId :
D5DL



#12 1-chlorooctadecane (SURR)

R.T.: 12.824 min
Delta R.T.: -0.003 min
Response: 756885
Conc: 5.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040125AL\
Data File : FC068466.D
Signal(s) : FID1A.ch
Acq On : 01 Apr 2025 08:49
Sample : Q1675-17DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.344	2.304	2.410	BV	10598	145919	6.67%	0.139%
2	2.432	2.410	2.455	VV	1882	27984	1.28%	0.027%
3	2.463	2.455	2.531	VV	657	10377	0.47%	0.010%
4	2.547	2.531	2.609	VV	1007	15457	0.71%	0.015%
5	2.667	2.609	2.712	PV	920	16077	0.74%	0.015%
6	2.745	2.712	2.757	PV	368	5279	0.24%	0.005%
7	2.787	2.757	2.828	VV	1274	18229	0.83%	0.017%
8	2.854	2.828	2.871	VV	254	4293	0.20%	0.004%
9	2.904	2.871	2.915	VV	509	5933	0.27%	0.006%
10	2.932	2.915	2.964	VV	824	14248	0.65%	0.014%
11	2.986	2.964	3.034	VV	1353	22275	1.02%	0.021%
12	3.053	3.034	3.116	VV	1507	29214	1.34%	0.028%
13	3.134	3.116	3.146	VV	254	2907	0.13%	0.003%
14	3.183	3.146	3.200	VV	2237	29746	1.36%	0.028%
15	3.211	3.200	3.229	VV	1460	14750	0.67%	0.014%
16	3.237	3.229	3.266	VV	225	2384	0.11%	0.002%
17	3.286	3.266	3.301	PV	367	3395	0.16%	0.003%
18	3.348	3.301	3.408	VV	11459	141966	6.49%	0.135%
19	3.427	3.408	3.438	VV	681	8930	0.41%	0.009%
20	3.467	3.438	3.489	VV	2191	36044	1.65%	0.034%
21	3.517	3.489	3.538	VV	5392	71581	3.27%	0.068%
22	3.585	3.538	3.604	VV	10951	153149	7.00%	0.146%
23	3.628	3.604	3.665	VV	2720	71639	3.28%	0.068%
24	3.682	3.665	3.733	VV	8590	95467	4.37%	0.091%
25	3.754	3.733	3.812	VV	32781	325312	14.88%	0.310%
26	3.856	3.812	3.903	VV	24107	267346	12.23%	0.255%
27	3.928	3.903	3.966	VV	2328	61100	2.79%	0.058%
28	3.986	3.966	4.003	VV	6748	80738	3.69%	0.077%
29	4.021	4.003	4.062	VV	4481	114480	5.23%	0.109%
30	4.079	4.062	4.120	VV	4897	86603	3.96%	0.083%
31	4.163	4.120	4.182	VV	7132	90930	4.16%	0.087%
32	4.202	4.182	4.248	VV	4919	115821	5.30%	0.110%
33	4.262	4.248	4.297	VV	2481	50772	2.32%	0.048%
34	4.318	4.297	4.342	VV	5806	71398	3.26%	0.068%
35	4.402	4.342	4.421	VV	5613	125594	5.74%	0.120%
36	4.443	4.421	4.485	VV	4295	129498	5.92%	0.123%

rteres

37	4.502	4.485	4.515	VV	5047	60040	2.75%	0.057%
38	4.536	4.515	4.582	VV	21717	328426	15.02%	0.313%
39	4.600	4.582	4.610	VV	9610	109665	5.01%	0.105%
40	4.629	4.610	4.649	VV	26197	327577	14.98%	0.312%
41	4.661	4.649	4.701	VV	7140	169419	7.75%	0.162%
42	4.719	4.701	4.736	VV	3770	69806	3.19%	0.067%
43	4.767	4.736	4.785	VV	4229	101047	4.62%	0.096%
44	4.802	4.785	4.810	VV	4984	58794	2.69%	0.056%
45	4.829	4.810	4.864	VV	24540	359617	16.44%	0.343%
46	4.883	4.864	4.904	VV	5545	100177	4.58%	0.096%
47	4.933	4.904	4.968	VV	19759	291247	13.32%	0.278%
48	4.978	4.968	4.987	VV	4406	46422	2.12%	0.044%
49	4.998	4.987	5.020	VV	4618	71648	3.28%	0.068%
50	5.051	5.020	5.078	VV	13553	260763	11.92%	0.249%
51	5.090	5.078	5.127	VV	6397	152595	6.98%	0.146%
52	5.136	5.127	5.148	VV	4402	50568	2.31%	0.048%
53	5.170	5.148	5.209	VV	7475	214504	9.81%	0.205%
54	5.226	5.209	5.242	VV	5939	98728	4.51%	0.094%
55	5.258	5.242	5.267	VV	5209	68531	3.13%	0.065%
56	5.295	5.267	5.314	VV	11211	204670	9.36%	0.195%
57	5.352	5.314	5.380	VV	6909	193284	8.84%	0.184%
58	5.399	5.380	5.412	VV	7143	104399	4.77%	0.100%
59	5.424	5.412	5.433	VV	5843	66799	3.05%	0.064%
60	5.454	5.433	5.483	VV	15582	272372	12.46%	0.260%
61	5.529	5.483	5.544	VV	8654	248022	11.34%	0.237%
62	5.562	5.544	5.605	VV	11389	308194	14.09%	0.294%
63	5.627	5.605	5.655	VV	11733	230236	10.53%	0.220%
64	5.687	5.655	5.706	VV	10541	226993	10.38%	0.216%
65	5.732	5.706	5.749	VV	9238	167279	7.65%	0.160%
66	5.781	5.749	5.799	VV	9973	224350	10.26%	0.214%
67	5.811	5.799	5.822	VV	7362	98660	4.51%	0.094%
68	5.836	5.822	5.848	VV	7343	109002	4.98%	0.104%
69	5.867	5.848	5.893	VV	10263	223673	10.23%	0.213%
70	5.917	5.893	5.936	VV	8553	186269	8.52%	0.178%
71	5.975	5.936	5.986	VV	12370	293335	13.41%	0.280%
72	6.003	5.986	6.024	VV	13788	243029	11.11%	0.232%
73	6.059	6.024	6.076	VV	10426	282376	12.91%	0.269%
74	6.087	6.076	6.113	VV	9417	176616	8.08%	0.168%
75	6.137	6.113	6.159	VV	11663	264738	12.11%	0.252%
76	6.181	6.159	6.197	VV	12287	250091	11.44%	0.239%
77	6.221	6.197	6.260	VV	11369	363393	16.62%	0.347%
78	6.287	6.260	6.307	VV	12173	281880	12.89%	0.269%
79	6.349	6.307	6.364	VV	10932	319360	14.60%	0.305%
80	6.380	6.364	6.390	VV	13882	176888	8.09%	0.169%
81	6.407	6.390	6.427	VV	26135	411743	18.83%	0.393%
82	6.440	6.427	6.462	VV	17374	282663	12.93%	0.270%
83	6.477	6.462	6.498	VV	14877	264293	12.09%	0.252%
84	6.512	6.498	6.520	VV	13629	171119	7.82%	0.163%
85	6.534	6.520	6.566	VV	15493	364537	16.67%	0.348%
86	6.586	6.566	6.620	VV	16286	384740	17.59%	0.367%
87	6.641	6.620	6.680	VV	16297	430800	19.70%	0.411%
88	6.709	6.680	6.727	VV	14905	356217	16.29%	0.340%
89	6.742	6.727	6.756	VV	16017	244372	11.17%	0.233%

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90	6.773	6.756	6.792	VV	17191	317487	14.52%	0.303%
91	6.811	6.792	6.836	VV	15572	344666	15.76%	0.329%
92	6.866	6.836	6.882	VV	14625	350363	16.02%	0.334%
93	6.895	6.882	6.930	VV	13796	347426	15.89%	0.331%
94	6.969	6.930	6.990	VV	16705	501397	22.93%	0.478%
95	7.010	6.990	7.029	VV	15889	336832	15.40%	0.321%
96	7.053	7.029	7.071	VV	19775	396937	18.15%	0.379%
97	7.081	7.071	7.103	VV	14155	251089	11.48%	0.239%
98	7.137	7.103	7.169	VV	17379	574650	26.28%	0.548%
99	7.179	7.169	7.200	VV	14234	247232	11.31%	0.236%
100	7.224	7.200	7.248	VV	15949	418095	19.12%	0.399%
101	7.265	7.248	7.290	VV	16601	380032	17.38%	0.362%
102	7.309	7.290	7.321	VV	17146	292568	13.38%	0.279%
103	7.348	7.321	7.376	VV	24682	630353	28.82%	0.601%
104	7.392	7.376	7.414	VV	17192	334997	15.32%	0.319%
105	7.540	7.524	7.578	VV	21486	571756	26.15%	0.545%
106	7.598	7.578	7.621	VV	24443	489070	22.36%	0.466%
107	7.640	7.621	7.661	VV	19023	401218	18.35%	0.383%
108	7.685	7.661	7.710	VV	18136	484144	22.14%	0.462%
109	7.733	7.710	7.752	VV	20529	465970	21.31%	0.444%
110	7.775	7.752	7.817	VV	31964	829976	37.95%	0.792%
111	7.835	7.817	7.851	VV	19965	365467	16.71%	0.349%
112	7.875	7.851	7.894	VV	20481	489176	22.37%	0.467%
113	7.913	7.894	7.937	VV	25118	537628	24.58%	0.513%
114	7.955	7.937	7.970	VV	20912	387777	17.73%	0.370%
115	8.006	7.970	8.022	VV	22776	639898	29.26%	0.610%
116	8.038	8.022	8.058	VV	23651	471520	21.56%	0.450%
117	8.071	8.058	8.080	VV	21055	274718	12.56%	0.262%
118	8.095	8.080	8.106	VV	21679	327641	14.98%	0.312%
119	8.115	8.106	8.129	VV	21492	286509	13.10%	0.273%
120	8.138	8.129	8.151	VV	21000	267712	12.24%	0.255%
121	8.193	8.151	8.212	VV	40972	954067	43.63%	0.910%
122	8.222	8.212	8.239	VV	24410	372745	17.04%	0.355%
123	8.257	8.239	8.270	VV	23881	428565	19.60%	0.409%
124	8.289	8.270	8.305	VV	25658	498269	22.78%	0.475%
125	8.422	8.384	8.444	VV	29329	916639	41.92%	0.874%
126	8.458	8.444	8.470	VV	25403	386088	17.66%	0.368%
127	8.489	8.470	8.515	VV	36764	781648	35.74%	0.745%
128	8.554	8.515	8.569	VV	37790	959848	43.89%	0.915%
129	8.581	8.569	8.601	VV	32944	556407	25.44%	0.531%
130	8.620	8.601	8.636	VV	27100	526243	24.06%	0.502%
131	8.653	8.636	8.681	VV	33717	751910	34.38%	0.717%
132	8.701	8.681	8.736	VV	30739	898072	41.07%	0.856%
133	8.755	8.736	8.792	VV	29671	897834	41.06%	0.856%
134	8.839	8.792	8.858	VV	26231	985285	45.06%	0.940%
135	8.892	8.858	8.919	VV	30043	979306	44.78%	0.934%
136	8.947	8.919	8.971	VV	31565	825595	37.75%	0.787%
137	8.992	8.971	9.038	VV	27026	974104	44.54%	0.929%
138	9.061	9.038	9.072	VV	30464	561701	25.69%	0.536%
139	9.085	9.072	9.119	VV	30802	797561	36.47%	0.761%
140	9.143	9.119	9.173	VV	30419	895035	40.93%	0.854%
141	9.190	9.173	9.220	VV	29822	763343	34.91%	0.728%

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142	9.239	9.220	9.261	VV	31339	684538	31.30%	0.653%
143	9.316	9.261	9.334	VV	29992	1195853	54.68%	1.140%
144	9.349	9.334	9.388	VV	28460	866054	39.60%	0.826%
145	9.413	9.388	9.434	VV	28486	733371	33.54%	0.699%
146	9.485	9.434	9.501	VV	29174	1085591	49.64%	1.035%
147	9.518	9.501	9.533	VV	29271	547910	25.05%	0.523%
148	9.552	9.533	9.567	VV	29232	579220	26.49%	0.552%
149	9.590	9.567	9.617	VV	30215	845637	38.67%	0.806%
150	9.641	9.617	9.684	VV	28636	1099512	50.28%	1.049%
151	9.695	9.684	9.711	VV	28509	436619	19.97%	0.416%
152	9.726	9.711	9.781	VV	26843	1061188	48.53%	1.012%
153	9.802	9.781	9.844	VV	30476	1045890	47.83%	0.997%
154	9.869	9.844	9.891	VV	29338	766922	35.07%	0.731%
155	9.905	9.891	9.931	VV	27514	638691	29.21%	0.609%
156	9.955	9.931	9.998	VV	27769	1053819	48.19%	1.005%
157	10.034	9.998	10.044	VV	28207	733897	33.56%	0.700%
158	10.068	10.044	10.083	VV	28971	655809	29.99%	0.625%
159	10.105	10.083	10.121	VV	30092	646724	29.57%	0.617%
160	10.170	10.121	10.193	VV	33311	1244403	56.90%	1.187%
161	10.212	10.193	10.222	VV	28611	478246	21.87%	0.456%
162	10.230	10.222	10.246	VV	27424	381470	17.44%	0.364%
163	10.269	10.246	10.289	VV	30751	722555	33.04%	0.689%
164	10.307	10.289	10.324	VV	29151	587277	26.85%	0.560%
165	10.346	10.324	10.369	VV	28517	734320	33.58%	0.700%
166	10.425	10.369	10.445	VV	30156	1316861	60.22%	1.256%
167	10.466	10.445	10.476	VV	29461	542721	24.82%	0.518%
168	10.485	10.476	10.538	VV	29990	1011964	46.28%	0.965%
169	10.571	10.538	10.588	VV	30078	818179	37.41%	0.780%
170	10.607	10.588	10.629	VV	30171	690132	31.56%	0.658%
171	10.647	10.629	10.668	VV	30329	653921	29.90%	0.624%
172	10.695	10.668	10.739	VV	27473	1089727	49.83%	1.039%
173	10.786	10.739	10.811	VV	26228	1069680	48.91%	1.020%
174	10.857	10.811	10.894	VV	27661	1305689	59.71%	1.245%
175	10.919	10.894	10.952	VV	28254	915914	41.88%	0.873%
176	10.974	10.952	10.985	VV	26022	505563	23.12%	0.482%
177	11.022	10.985	11.071	VV	27660	1339948	61.27%	1.278%
178	11.086	11.071	11.139	VV	27659	1051655	48.09%	1.003%
179	11.158	11.139	11.169	VV	24709	436587	19.96%	0.416%
180	11.204	11.169	11.218	VV	25337	720512	32.95%	0.687%
181	11.229	11.218	11.254	VV	25097	523714	23.95%	0.499%
182	11.274	11.254	11.334	VV	24603	1122130	51.31%	1.070%
183	11.382	11.334	11.418	VV	117662	2186846	100.00%	2.086%
184	11.444	11.418	11.461	VV	23621	584749	26.74%	0.558%
185	11.472	11.461	11.488	VV	23027	357283	16.34%	0.341%
186	11.508	11.488	11.527	VV	24015	553703	25.32%	0.528%
187	11.558	11.527	11.578	VV	25681	740048	33.84%	0.706%
188	11.592	11.578	11.608	VV	23553	407551	18.64%	0.389%
189	11.627	11.608	11.658	VV	24310	696954	31.87%	0.665%
190	11.666	11.658	11.693	VV	23140	479170	21.91%	0.457%
191	11.720	11.693	11.748	VV	23789	737908	33.74%	0.704%
192	11.764	11.748	11.801	VV	22391	669787	30.63%	0.639%
193	11.811	11.801	11.828	VV	20698	332957	15.23%	0.318%
194	11.837	11.828	11.855	VV	20796	334639	15.30%	0.319%

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195	11.870	11.855	11.923	VV	20757	793120	36.27%	0.756%
196	11.945	11.923	11.968	VV	20531	525436	24.03%	0.501%
197	11.992	11.968	12.068	VV	22353	1176717	53.81%	1.122%
198	12.091	12.068	12.138	VV	20643	791257	36.18%	0.755%
199	12.146	12.138	12.171	VV	18482	353072	16.15%	0.337%
200	12.215	12.171	12.236	VV	18147	691248	31.61%	0.659%
201	12.253	12.236	12.281	VV	18147	476079	21.77%	0.454%
202	12.298	12.281	12.371	VV	18869	934882	42.75%	0.892%
203	12.385	12.371	12.405	VV	16788	330157	15.10%	0.315%
204	12.450	12.405	12.512	VV	16920	1028574	47.03%	0.981%
205	12.522	12.512	12.538	VV	15301	233725	10.69%	0.223%
206	12.551	12.538	12.599	VV	15570	531851	24.32%	0.507%
207	12.621	12.599	12.693	VV	14098	772242	35.31%	0.736%
208	12.717	12.693	12.738	VV	15220	380400	17.39%	0.363%
209	12.753	12.738	12.778	VV	13461	306736	14.03%	0.293%
210	12.824	12.778	12.863	VV	74615	1395440	63.81%	1.331%
211	12.873	12.863	12.941	VV	13245	592882	27.11%	0.565%
212	12.951	12.941	12.976	VV	12165	243293	11.13%	0.232%
213	12.994	12.976	13.026	VV	12380	345957	15.82%	0.330%
214	13.048	13.026	13.082	VV	12697	392177	17.93%	0.374%
215	13.090	13.082	13.104	VV	10891	137463	6.29%	0.131%
216	13.125	13.104	13.171	VV	10930	426485	19.50%	0.407%
217	13.192	13.171	13.231	VV	10239	361806	16.54%	0.345%
218	13.242	13.231	13.254	VV	10115	135069	6.18%	0.129%
219	13.268	13.254	13.290	VV	10179	212905	9.74%	0.203%
220	13.305	13.290	13.390	VV	9948	545830	24.96%	0.521%
221	13.415	13.390	13.445	VV	9113	288172	13.18%	0.275%
222	13.458	13.445	13.475	VV	8986	158898	7.27%	0.152%
223	13.496	13.475	13.522	VV	9109	240173	10.98%	0.229%
224	13.543	13.522	13.564	VV	7970	197387	9.03%	0.188%
225	13.581	13.564	13.609	VV	8549	210874	9.64%	0.201%
226	13.627	13.609	13.690	VV	7776	342697	15.67%	0.327%
227	13.705	13.690	13.751	VV	7018	237309	10.85%	0.226%
228	13.772	13.751	13.825	VV	6257	263129	12.03%	0.251%
229	13.875	13.825	13.908	VV	5891	278437	12.73%	0.266%
230	13.925	13.908	13.958	VV	5710	161801	7.40%	0.154%
231	13.966	13.958	13.994	VV	5468	115468	5.28%	0.110%
232	14.008	13.994	14.034	VV	5048	118900	5.44%	0.113%
233	14.064	14.034	14.106	VV	5136	202950	9.28%	0.194%
234	14.136	14.106	14.195	VV	4628	223876	10.24%	0.214%
235	14.209	14.195	14.228	VV	4212	81070	3.71%	0.077%
236	14.242	14.228	14.271	VV	4114	101495	4.64%	0.097%
237	14.286	14.271	14.348	VV	3900	164251	7.51%	0.157%
238	14.358	14.348	14.366	VV	3234	33790	1.55%	0.032%
239	14.372	14.366	14.389	VV	3207	43359	1.98%	0.041%
240	14.418	14.389	14.434	VV	3291	83822	3.83%	0.080%
241	14.446	14.434	14.498	VV	2929	103647	4.74%	0.099%
242	14.515	14.498	14.544	VV	2815	70419	3.22%	0.067%
243	14.550	14.544	14.614	VV	2492	97462	4.46%	0.093%
244	14.631	14.614	14.668	VV	2145	66553	3.04%	0.063%
245	14.675	14.668	14.708	VV	2183	48652	2.22%	0.046%
246	14.727	14.708	14.794	VV	1990	94259	4.31%	0.090%

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247	14.806	14.794	14.851	VV	1669	52942	2.42%	0.050%
248	14.900	14.851	14.998	VV	1542	117188	5.36%	0.112%
249	15.012	14.998	15.024	VV	1234	17532	0.80%	0.017%
250	15.065	15.024	15.141	VV	3501	126704	5.79%	0.121%
251	15.156	15.141	15.168	VV	1028	15415	0.70%	0.015%
252	15.213	15.168	15.240	VV	1071	41134	1.88%	0.039%
253	15.252	15.240	15.274	VV	1003	16761	0.77%	0.016%
254	15.281	15.274	15.371	VV	687	30596	1.40%	0.029%
255	15.427	15.371	15.450	VV	549	22480	1.03%	0.021%
256	15.463	15.450	15.488	VV	447	8979	0.41%	0.009%
257	15.507	15.488	15.534	VV	515	10805	0.49%	0.010%
258	15.581	15.568	15.591	VV	360	4565	0.21%	0.004%
259	15.600	15.591	15.654	VV	491	11013	0.50%	0.011%
260	15.665	15.654	15.681	VV	291	4083	0.19%	0.004%
261	15.700	15.681	15.741	VV	478	10480	0.48%	0.010%
262	15.754	15.741	15.801	VV	282	5715	0.26%	0.005%
263	15.811	15.801	15.854	VV	153	3078	0.14%	0.003%
264	15.881	15.854	15.950	VV	243	9033	0.41%	0.009%
265	15.962	15.950	15.994	VV	182	3449	0.16%	0.003%
266	16.020	15.994	16.046	VV	233	4826	0.22%	0.005%
267	16.083	16.046	16.141	VV	351	11573	0.53%	0.011%
268	16.180	16.141	16.234	VV	539	9810	0.45%	0.009%
269	16.257	16.234	16.284	VV	266	3961	0.18%	0.004%
270	16.351	16.284	16.370	VV	166	5432	0.25%	0.005%
271	16.391	16.370	16.427	PV	178	2391	0.11%	0.002%
272	16.472	16.427	16.534	VV	219	6485	0.30%	0.006%
273	16.554	16.534	16.614	VV	197	6083	0.28%	0.006%
274	16.647	16.614	16.674	VV	1141	17891	0.82%	0.017%
275	16.691	16.674	16.744	VV	760	12320	0.56%	0.012%
276	16.755	16.744	16.788	PV	103	1889	0.09%	0.002%
277	16.859	16.788	16.909	VV	199	6209	0.28%	0.006%
278	16.946	16.909	17.006	PV	205	6230	0.28%	0.006%
279	17.030	17.006	17.044	VV	344	4609	0.21%	0.004%
280	17.048	17.044	17.071	VV	197	2181	0.10%	0.002%
281	17.097	17.071	17.134	VV	1671	26816	1.23%	0.026%
282	17.156	17.134	17.226	VV	210	5435	0.25%	0.005%
283	17.245	17.226	17.268	PV	190	2782	0.13%	0.003%
284	17.288	17.268	17.308	VV	146	1726	0.08%	0.002%
285	17.329	17.308	17.368	PV	91	2215	0.10%	0.002%
286	17.375	17.368	17.381	VV	75	469	0.02%	0.000%
287	17.490	17.381	17.504	VV	282	9300	0.43%	0.009%
288	17.532	17.504	17.589	VV	2354	36147	1.65%	0.034%
289	17.649	17.589	17.671	VV	292	9206	0.42%	0.009%
290	17.684	17.671	17.695	VV	262	2621	0.12%	0.002%
291	17.705	17.695	17.718	VV	210	2077	0.09%	0.002%
292	17.738	17.718	17.764	VV	265	4534	0.21%	0.004%
293	17.775	17.764	17.781	PV	155	965	0.04%	0.001%
294	17.899	17.781	17.928	VV	1354	41927	1.92%	0.040%
295	17.955	17.928	17.997	VV	2881	51133	2.34%	0.049%
296	18.009	17.997	18.031	VV	388	5450	0.25%	0.005%
297	18.049	18.031	18.129	VV	235	7850	0.36%	0.007%
298	18.164	18.129	18.201	VV	189	4716	0.22%	0.004%
299	18.215	18.201	18.248	VV	247	3824	0.17%	0.004%

rteres

300	18.363	18.248	18.424	PV	2747	49815	2.28%	0.048%
301	18.463	18.424	18.485	PV	268	6168	0.28%	0.006%
302	18.534	18.485	18.544	VV	105	3066	0.14%	0.003%
303	18.572	18.544	18.584	VV	85	1058	0.05%	0.001%
304	18.617	18.584	18.631	PV	207	3654	0.17%	0.003%
305	18.652	18.631	18.672	VV	314	5993	0.27%	0.006%
306	18.760	18.672	18.828	VV	2691	74471	3.41%	0.071%
307	18.954	18.828	18.983	VV	314	21311	0.97%	0.020%
308	19.011	18.983	19.024	VV	411	7560	0.35%	0.007%
309	19.034	19.024	19.066	VV	299	6401	0.29%	0.006%
310	19.146	19.066	19.194	VV	2300	53155	2.43%	0.051%
311	19.294	19.194	19.321	VV	574	35610	1.63%	0.034%
312	19.381	19.321	19.408	VV	800	31599	1.44%	0.030%
313	19.479	19.408	19.488	VV	766	33163	1.52%	0.032%
314	19.521	19.488	19.571	VV	2235	60682	2.77%	0.058%
315	19.578	19.571	19.594	VV	774	10141	0.46%	0.010%
316	19.759	19.594	19.764	VV	1086	92443	4.23%	0.088%
317	19.797	19.764	19.808	VV	1195	28880	1.32%	0.028%
318	19.887	19.808	19.921	VV	2337	94435	4.32%	0.090%
319	20.045	19.921	20.058	VV	1816	125608	5.74%	0.120%
320	20.243	20.058	20.288	VV	3094	304120	13.91%	0.290%
321	20.321	20.288	20.338	VV	2678	78372	3.58%	0.075%
322	20.414	20.338	20.444	VV	2822	173857	7.95%	0.166%

Sum of corrected areas: 104857636

Aliphatic EPH 032625.M Wed Apr 02 04:31:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068445.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 13:54
Operator : YP/AJ
Sample : PB167381BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167381BL

Integration File: autoint1.e
Quant Time: Apr 01 03:17:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.387	7084773	35.668 ug/ml
Spiked Amount 50.000		Recovery =	71.34%
12) S 1-chlorooctadecane (S...	12.828	5268449	35.341 ug/ml
Spiked Amount 50.000		Recovery =	70.68%
Target Compounds			

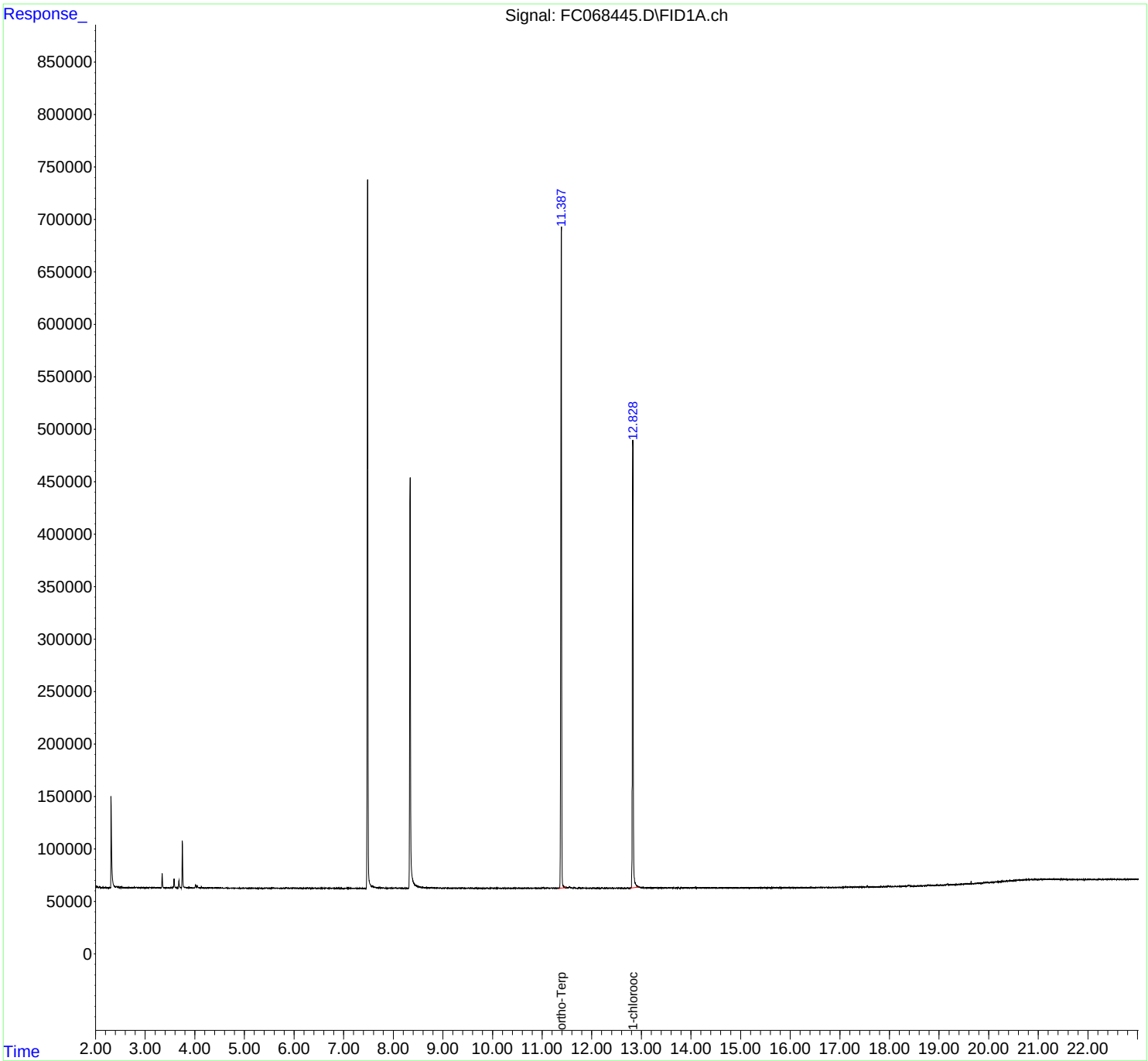
(f)=RT Delta > 1/2 Window (m)=manual int.

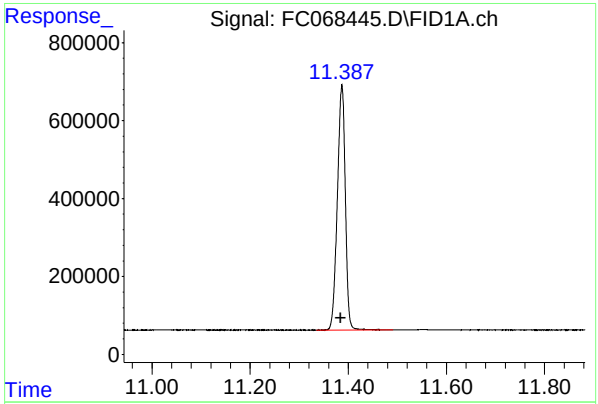
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068445.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 13:54
Operator : YP/AJ
Sample : PB167381BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167381BL

Integration File: autoint1.e
Quant Time: Apr 01 03:17:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

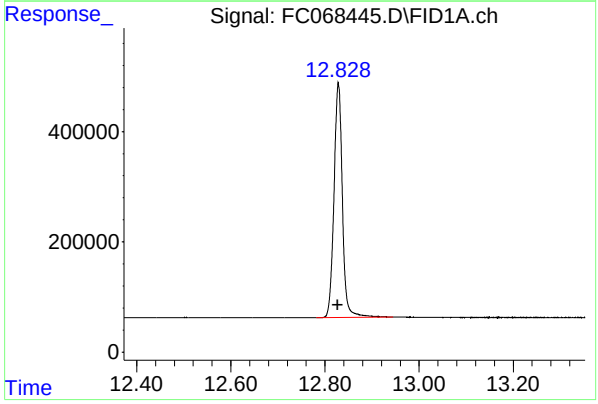




#9 ortho-Terphenyl (SURR)

R.T.: 11.387 min
Delta R.T.: 0.002 min
Response: 7084773
Conc: 35.67 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167381BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.001 min
Response: 5268449
Conc: 35.34 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068445.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 13:54
Sample : PB167381BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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	11.387	11.334	11.491	BB	632659	7084773	100.00%	57.352%
2	12.828	12.781	12.944	BB	424392	5268449	74.36%	42.648%
			Sum of corrected areas:			12353222		

Aliphatic EPH 032625.M Tue Apr 01 04:32:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068446.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 14:31
Operator : YP/AJ
Sample : PB167381BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167381BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:17:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.388	7332248	36.914 ug/ml
Spiked Amount	50.000		Recovery =	73.83%
12) S	1-chlorooctadecane (S...	12.828	5457920	36.612 ug/ml
Spiked Amount	50.000		Recovery =	73.22%
	Target Compounds			
1) T	n-Nonane (C9)	3.203	5306898	33.180 ug/ml
2) T	n-Decane (C10)	4.256	5623606	34.691 ug/ml
3) T	A~Naphthalene (C11.7)	5.820	6577765	37.230 ug/ml
4) T	n-Dodecane (C12)	6.261	6063272	36.768 ug/ml
5) T	A~2-methylnaphthalene...	6.871	6222859	36.585 ug/ml
6) T	n-Tetradecane (C14)	8.051	6433374	39.100 ug/ml
7) T	n-Hexadecane (C16)	9.645	6671860	38.824 ug/ml
8) T	n-Octadecane (C18)	11.083	6585903	37.521 ug/ml
10) T	n-Eicosane (C20)	12.389	6671193	38.952 ug/ml
11) T	n-Heneicosane (C21)	12.999	6291163	37.505 ug/ml
13) T	n-Docosane (C22)	13.584	6155739	36.489 ug/ml
14) T	n-Tetracosane (C24)	14.643	12502057	72.999 ug/mlm
15) T	n-Hexacosane (C26)	15.705	5753957	34.188 ug/ml
16) T	n-Octacosane (C28)	16.651	5538759	33.124 ug/ml
17) T	n-Tricontane (C30)	17.540	5414223	31.053 ug/ml
18) T	n-Dotriacontane (C32)	18.368	5198635	31.054 ug/ml
19) T	n-Tetratriacontane (C34)	19.151	5002100	33.913 ug/ml
20) T	n-Hexatriacontane (C36)	19.890	4690133	38.324 ug/ml
21) T	n-Octatriacontane (C38)	20.601	4569299	42.551 ug/ml
22) T	n-Tetracontane (C40)	21.450	4320321	44.082 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068446.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 14:31
Operator : YP/AJ
Sample : PB167381BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

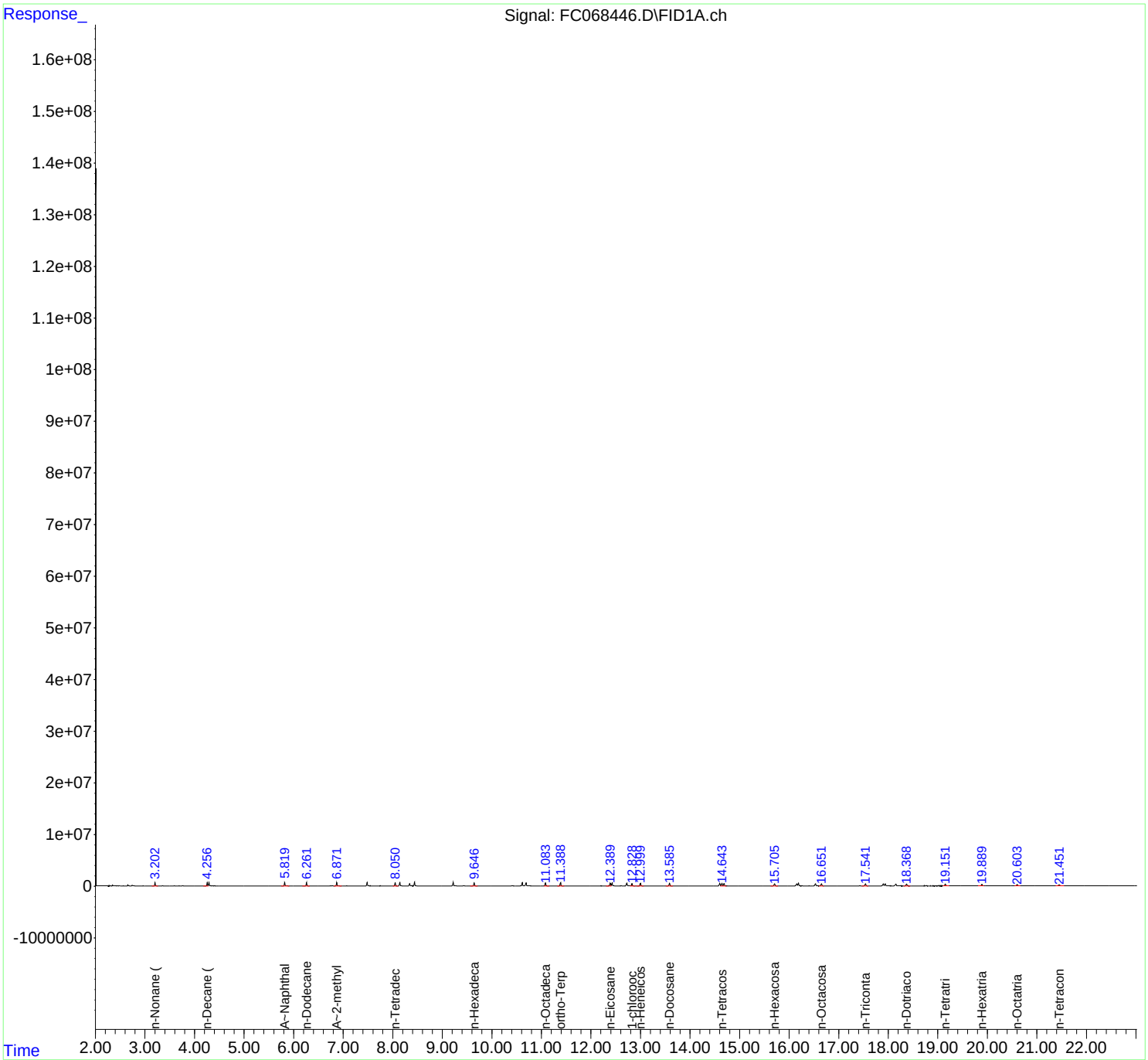
Integration File: autoint1.e
Quant Time: Apr 01 03:17:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
PB167381BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025



Instrument :
FID_C
ClientSampleId :
PB167381BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC03312
Data File : FC068446.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 14:31
Sample : PB167381BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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	3.203	3.138	3.265	BB	632168	5306898	72.01%	2.291%
2	4.256	4.178	4.274	BV	629542	5623606	76.31%	2.428%
3	4.291	4.274	4.339	VV	690018	6034768	81.89%	2.606%
4	5.820	5.748	5.915	BB	685891	6577765	89.26%	2.840%
5	6.262	6.178	6.325	BB	622519	6063272	82.28%	2.618%
6	6.871	6.808	6.971	BB	630090	6222859	84.44%	2.687%
7	8.051	8.001	8.111	BV	618467	6433374	87.30%	2.778%
8	8.144	8.111	8.215	PB	689153	7107192	96.44%	3.069%
9	8.441	8.408	8.525	VB	727737	7225732	98.05%	3.120%
10	9.222	9.145	9.331	BB	679012	7369513	100.00%	3.182%
11	9.645	9.565	9.715	BB	585051	6671860	90.53%	2.881%
12	10.616	10.521	10.658	BV	651738	7126969	96.71%	3.077%
13	10.692	10.658	10.808	VB	596912	7156388	97.11%	3.090%
14	11.083	11.051	11.158	BB	567184	6585903	89.37%	2.844%
15	11.388	11.318	11.458	BB	665876	7332248	99.49%	3.166%
16	12.389	12.305	12.407	BV	552295	6671193	90.52%	2.881%
17	12.428	12.407	12.498	VB	585975	6851436	92.97%	2.958%
18	12.723	12.651	12.763	BV	579777	6778960	91.99%	2.927%
19	12.828	12.796	12.898	VB	457410	5457920	74.06%	2.357%
20	12.999	12.918	13.068	BB	518566	6291163	85.37%	2.716%
21	13.584	13.511	13.655	BB	488970	6155739	83.53%	2.658%
22	14.599	14.515	14.618	BV	475254	6395229	86.78%	2.761%
23	14.643	14.618	14.661	VV	513718	6365078	86.37%	2.748%
24	14.684	14.661	14.771	VB	474771	6119164	83.03%	2.642%
25	15.705	15.625	15.775	BB	434083	5753957	78.08%	2.485%
26	16.153	16.075	16.168	BV	434325	6118765	83.03%	2.642%
27	16.187	16.168	16.241	VV	541188	6255125	84.88%	2.701%
28	16.531	16.441	16.596	BBA	429653	5838922	79.23%	2.521%
29	16.651	16.601	16.700	BBA	406225	5538759	75.16%	2.392%
30	17.540	17.465	17.595	BB	400229	5414223	73.47%	2.338%
31	17.900	17.811	17.916	BV	419449	5746282	77.97%	2.481%
32	17.940	17.916	18.041	VB	418899	5717418	77.58%	2.469%
33	18.154	18.061	18.251	BB	378723	5503635	74.68%	2.376%
34	18.368	18.311	18.445	BB	364126	5198635	70.54%	2.245%
35	19.151	19.101	19.225	BB	348113	5002100	67.88%	2.160%
36	19.890	19.811	19.931	BB	316147	4690133	63.64%	2.025%

Instrument :
FID_C
ClientSampleId :
PB167381BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

```
                                        rteres
  37 20.601  20.551  20.665  BB   271410   4569299  62.00%  1.973%
  38 21.450  21.378  21.545  BB   198021   4320321  58
                     Sum of corrected areas:   2315

Aliphatic EPH 032625.M Tue Apr 01 04:33:26 2025
```

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068447.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 15:08
Operator : YP/AJ
Sample : PB167381BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167381BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:17:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.388	7127983	35.886 ug/ml
Spiked Amount	50.000		Recovery =	71.77%
12) S	1-chlorooctadecane (S...	12.829	5308935	35.613 ug/ml
Spiked Amount	50.000		Recovery =	71.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.203	5386211	33.676 ug/ml
2) T	n-Decane (C10)	4.257	5686695	35.080 ug/ml
3) T	A~Naphthalene (C11.7)	5.820	6594233	37.324 ug/ml
4) T	n-Dodecane (C12)	6.261	6079949	36.869 ug/ml
5) T	A~2-methylnaphthalene...	6.872	6196105	36.427 ug/ml
6) T	n-Tetradecane (C14)	8.051	6369803	38.713 ug/ml
7) T	n-Hexadecane (C16)	9.645	6542262	38.069 ug/ml
8) T	n-Octadecane (C18)	11.084	6420569	36.579 ug/ml
10) T	n-Eicosane (C20)	12.390	6490982	37.900 ug/ml
11) T	n-Heneicosane (C21)	12.999	6126033	36.521 ug/ml
13) T	n-Docosane (C22)	13.584	6001617	35.576 ug/ml
14) T	n-Tetracosane (C24)	14.642	12218804	71.346 ug/mlm
15) T	n-Hexacosane (C26)	15.705	5647090	33.553 ug/ml
16) T	n-Octacosane (C28)	16.651	5441584	32.543 ug/ml
17) T	n-Tricontane (C30)	17.538	5323960	30.535 ug/ml
18) T	n-Dotriacontane (C32)	18.369	5102822	30.482 ug/ml
19) T	n-Tetratriacontane (C34)	19.151	4907791	33.273 ug/ml
20) T	n-Hexatriacontane (C36)	19.891	4605731	37.635 ug/ml
21) T	n-Octatriacontane (C38)	20.601	4495575	41.864 ug/ml
22) T	n-Tetracontane (C40)	21.449	4256548	43.432 ug/ml

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

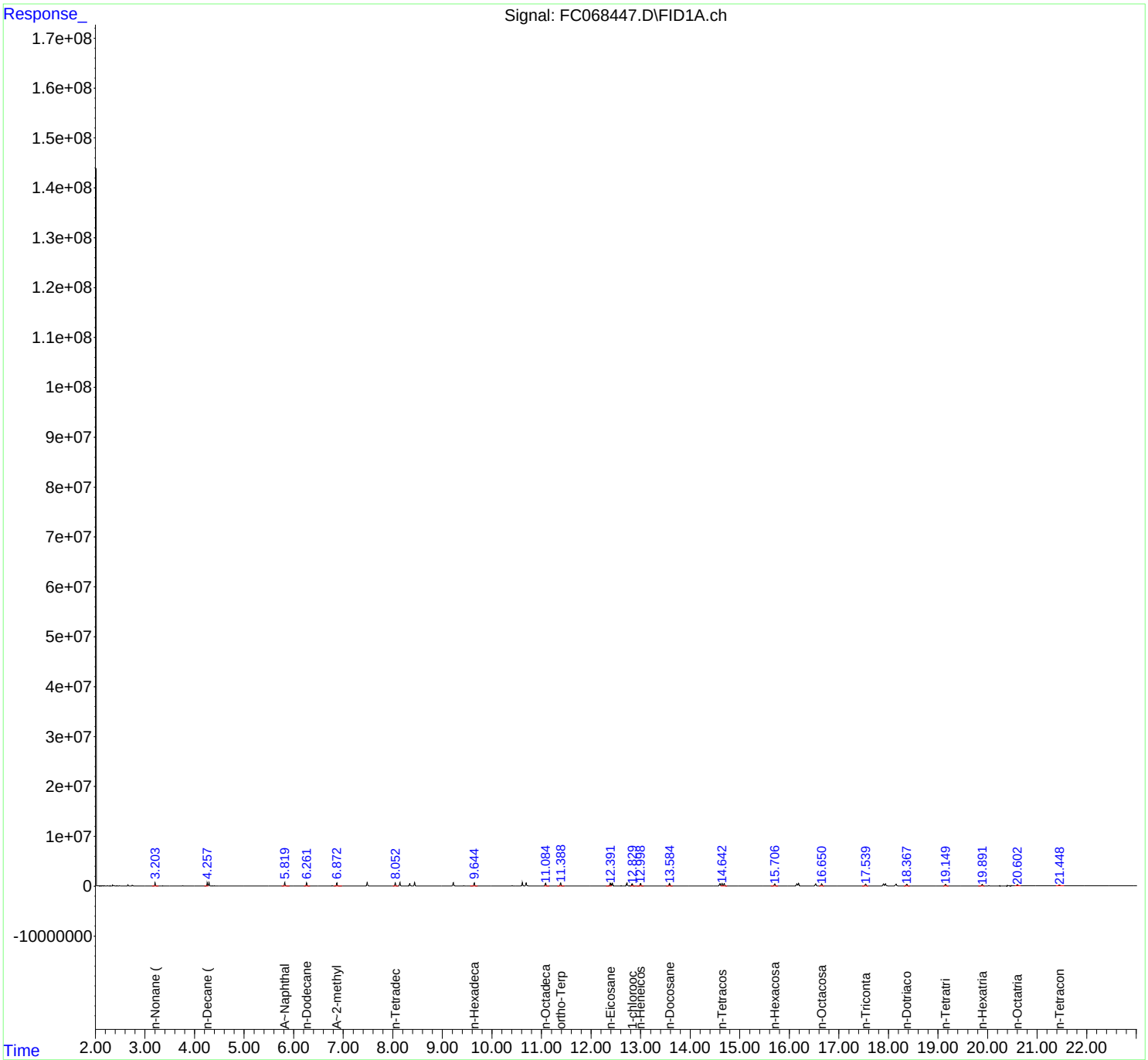
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068447.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 15:08
Operator : YP/AJ
Sample : PB167381BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167381BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:17:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
PB167381BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC03312
Data File : FC068447.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 15:08
Sample : PB167381BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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	3.203	3.141	3.271	BB	643928	5386211	74.61%	2.366%
2	4.257	4.194	4.274	BV	650238	5686695	78.77%	2.498%
3	4.292	4.274	4.339	VV	704063	6084197	84.28%	2.673%
4	5.820	5.758	5.914	BB	690972	6594233	91.35%	2.897%
5	6.261	6.204	6.328	BB	600015	6079949	84.22%	2.671%
6	6.872	6.808	6.974	BB	631658	6196105	85.83%	2.722%
7	8.051	8.001	8.111	BB	606956	6369803	88.24%	2.798%
8	8.145	8.114	8.221	BB	705177	7015422	97.18%	3.082%
9	8.441	8.407	8.518	VB	706808	7106456	98.44%	3.122%
10	9.222	9.144	9.331	BB	656478	7218971	100.00%	3.171%
11	9.645	9.564	9.711	BB	598861	6542262	90.63%	2.874%
12	10.616	10.528	10.659	BV	656986	6945706	96.21%	3.051%
13	10.692	10.659	10.821	VB	613741	6986144	96.77%	3.069%
14	11.084	11.051	11.158	BB	565627	6420569	88.94%	2.821%
15	11.388	11.318	11.461	BB	634697	7127983	98.74%	3.131%
16	12.390	12.301	12.407	BV	532660	6490982	89.92%	2.852%
17	12.428	12.407	12.504	VB	563777	6676605	92.49%	2.933%
18	12.723	12.644	12.764	BV	592063	6587471	91.25%	2.894%
19	12.829	12.796	12.894	VB	434651	5308935	73.54%	2.332%
20	12.999	12.914	13.064	BB	493069	6126033	84.86%	2.691%
21	13.584	13.511	13.648	BB	497714	6001617	83.14%	2.637%
22	14.600	14.518	14.619	BV	464166	6251055	86.59%	2.746%
23	14.642	14.619	14.661	VV	508582	6215002	86.09%	2.730%
24	14.684	14.661	14.768	VB	478361	5989872	82.97%	2.631%
25	15.705	15.624	15.771	BB	419138	5647090	78.23%	2.481%
26	16.152	16.071	16.168	BV	394764	5980713	82.85%	2.627%
27	16.186	16.168	16.238	VV	527336	6124716	84.84%	2.691%
28	16.530	16.438	16.596	BBA	445881	5713020	79.14%	2.510%
29	16.651	16.601	16.699	BBA	399474	5441584	75.38%	2.391%
30	17.538	17.468	17.594	BB	387439	5323960	73.75%	2.339%
31	17.900	17.804	17.916	BV	412892	5638929	78.11%	2.477%
32	17.939	17.916	18.051	VB	394154	5598312	77.55%	2.459%
33	18.154	18.071	18.258	BB	374722	5386949	74.62%	2.367%
34	18.369	18.311	18.428	BB	346859	5102822	70.69%	2.242%
35	19.151	19.101	19.214	BB	336410	4907791	67.98%	2.156%
36	19.891	19.811	19.934	BB	314634	4605731	63.80%	2.023%

Instrument :
FID_C
ClientSampleId :
PB167381BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

```
                                        rteres
  37 20.601  20.551  20.668  BB   260197   4495575  62.27%  1.975%
  38 21.449  21.378  21.541  BB   185008   4256548  58
                       Sum of corrected areas:   2276

Aliphatic EPH 032625.M Tue Apr 01 04:34:40 2025
```

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068452.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 18:15
Operator : YP/AJ
Sample : Q1674-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
RT5358MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.388	6654048	33.500 ug/ml
Spiked Amount	50.000		Recovery =	67.00%
12) S	1-chlorooctadecane (S...	12.829	4909904	32.936 ug/ml
Spiked Amount	50.000		Recovery =	65.87%
	Target Compounds			
1) T	n-Nonane (C9)	3.196	4200191	26.261 ug/ml
2) T	n-Decane (C10)	4.253	4742376	29.255 ug/ml
3) T	A~Naphthalene (C11.7)	5.818	5687418	32.191 ug/ml
4) T	n-Dodecane (C12)	6.260	5331602	32.331 ug/ml
5) T	A~2-methylnaphthalene...	6.870	5502312	32.348 ug/ml
6) T	n-Tetradecane (C14)	8.051	5843613	35.515 ug/ml
7) T	n-Hexadecane (C16)	9.645	6258756	36.420 ug/ml
8) T	n-Octadecane (C18)	11.083	6191944	35.276 ug/ml
10) T	n-Eicosane (C20)	12.389	6250399	36.495 ug/ml
11) T	n-Heneicosane (C21)	12.999	5874184	35.019 ug/ml
13) T	n-Docosane (C22)	13.583	5753660	34.106 ug/ml
14) T	n-Tetracosane (C24)	14.642	11528771	67.316 ug/mlm
15) T	n-Hexacosane (C26)	15.705	5368861	31.899 ug/ml
16) T	n-Octacosane (C28)	16.652	5134186	30.705 ug/ml
17) T	n-Tricontane (C30)	17.539	5017019	28.775 ug/ml
18) T	n-Dotriacontane (C32)	18.370	4794468	28.640 ug/ml
19) T	n-Tetratriacontane (C34)	19.153	4685620	31.767 ug/ml
20) T	n-Hexatriacontane (C36)	19.890	4290092	35.055 ug/ml
21) T	n-Octatriacontane (C38)	20.602	4172916	38.859 ug/ml
22) T	n-Tetracontane (C40)	21.450	3982395	40.634 ug/ml

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

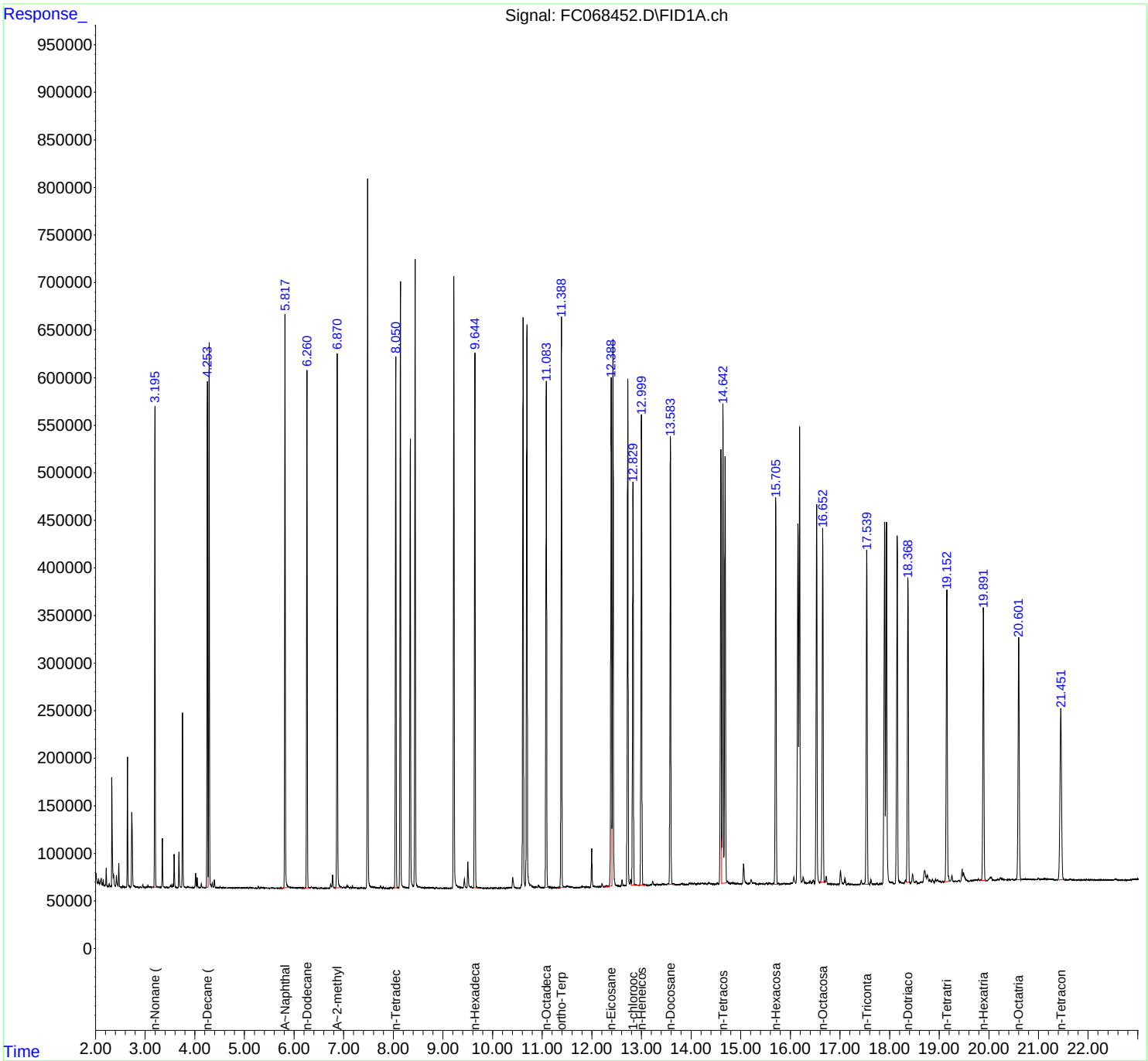
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068452.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 18:15
Operator : YP/AJ
Sample : Q1674-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
RT5358MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
RT5358MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC03312
Data File : FC068452.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 18:15
Sample : Q1674-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.329	2.304	2.401	BV	114493	1050393	15.30%	0.427%
2	2.420	2.401	2.450	VV	11783	131369	1.91%	0.053%
3	2.468	2.450	2.511	VV	24635	199112	2.90%	0.081%
4	2.520	2.511	2.531	VV	240	1239	0.02%	0.001%
5	2.549	2.531	2.578	PV	1143	11523	0.17%	0.005%
6	2.584	2.578	2.624	VV	153	1755	0.03%	0.001%
7	2.643	2.624	2.707	PV	133161	1046316	15.24%	0.426%
8	2.731	2.707	2.874	VV	76103	1005153	14.64%	0.409%
9	2.905	2.874	2.931	VV	379	5787	0.08%	0.002%
10	2.952	2.931	3.004	PV	2851	30566	0.45%	0.012%
11	3.019	3.004	3.044	VV	306	4491	0.07%	0.002%
12	3.055	3.044	3.124	VV	2471	34530	0.50%	0.014%
13	3.130	3.124	3.148	VV	222	2790	0.04%	0.001%
14	3.156	3.148	3.166	VV	211	2189	0.03%	0.001%
15	3.196	3.166	3.271	VV	497427	4220448	61.47%	1.717%
16	3.282	3.271	3.301	VV	331	4570	0.07%	0.002%
17	3.314	3.301	3.328	VV	567	5633	0.08%	0.002%
18	3.346	3.328	3.414	VV	50810	417413	6.08%	0.170%
19	3.430	3.414	3.441	VV	328	4183	0.06%	0.002%
20	3.453	3.441	3.483	VV	332	7275	0.11%	0.003%
21	3.520	3.483	3.540	VV	3224	46160	0.67%	0.019%
22	3.557	3.540	3.567	VV	3420	30956	0.45%	0.013%
23	3.584	3.567	3.648	VV	34725	303383	4.42%	0.123%
24	3.680	3.648	3.729	VV	37108	323690	4.71%	0.132%
25	3.752	3.729	3.840	VV	181768	1511865	22.02%	0.615%
26	3.860	3.840	3.898	VV	1052	25590	0.37%	0.010%
27	3.911	3.898	3.938	VV	612	11468	0.17%	0.005%
28	3.949	3.938	3.984	VV	474	10192	0.15%	0.004%
29	4.017	3.984	4.034	VV	15133	162484	2.37%	0.066%
30	4.048	4.034	4.108	VV	10905	108397	1.58%	0.044%
31	4.132	4.108	4.189	VV	4429	48303	0.70%	0.020%
32	4.201	4.189	4.223	VV	246	3927	0.06%	0.002%
33	4.253	4.223	4.271	VV	533668	4763229	69.37%	1.937%
34	4.288	4.271	4.336	VV	569840	5057841	73.66%	2.057%
35	4.352	4.336	4.375	VV	5426	61572	0.90%	0.025%
36	4.394	4.375	4.487	VV	8619	105879	1.54%	0.043%

Instrument :
FID_C
ClientSampleId :
RT5358MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

rteres

37	4.505	4.487	4.557	VV	764	16313	0.24%	0.007%
38	4.571	4.557	4.611	VV	249	5305		
39	4.630	4.611	4.654	VV	332	5415		
40	4.664	4.654	4.684	VV	220	2904		
41	4.710	4.684	4.734	VV	340	5471		
42	4.746	4.734	4.758	PV	112	1228		
43	4.774	4.758	4.785	VV	200	1808	0.03%	0.001%
44	4.792	4.785	4.797	VV	77	509	0.01%	0.000%
45	4.811	4.797	4.820	VV	155	1272	0.02%	0.001%
46	4.856	4.820	4.876	VV	298	7354	0.11%	0.003%
47	4.889	4.876	4.915	VV	237	4872	0.07%	0.002%
48	4.925	4.915	4.951	VV	234	3504	0.05%	0.001%
49	4.964	4.951	4.988	VV	199	3104	0.05%	0.001%
50	5.000	4.988	5.064	VV	261	4814	0.07%	0.002%
51	5.110	5.064	5.225	VV	996	20906	0.30%	0.009%
52	5.282	5.225	5.311	PV	1729	19455	0.28%	0.008%
53	5.332	5.311	5.392	VV	727	15378	0.22%	0.006%
54	5.416	5.392	5.442	VV	240	4441	0.06%	0.002%
55	5.458	5.442	5.508	VV	142	3303	0.05%	0.001%
56	5.528	5.508	5.541	VV	162	2328	0.03%	0.001%
57	5.564	5.541	5.598	VV	165	4212	0.06%	0.002%
58	5.625	5.598	5.635	VV	130	1556	0.02%	0.001%
59	5.652	5.635	5.683	VV	159	2316	0.03%	0.001%
60	5.736	5.683	5.752	VV	136	3207	0.05%	0.001%
61	5.818	5.752	5.909	VV	602148	5739200	83.58%	2.334%
62	5.916	5.909	5.968	VV	1045	26349	0.38%	0.011%
63	5.984	5.968	6.024	VV	930	18271	0.27%	0.007%
64	6.039	6.024	6.088	VV	376	10477	0.15%	0.004%
65	6.110	6.088	6.138	VV	437	9978	0.15%	0.004%
66	6.147	6.138	6.171	VV	426	6161	0.09%	0.003%
67	6.185	6.171	6.211	VV	224	4535	0.07%	0.002%
68	6.260	6.211	6.327	VV	543476	5354355	77.98%	2.178%
69	6.348	6.327	6.389	VV	1024	21162	0.31%	0.009%
70	6.405	6.389	6.521	VV	490	16345	0.24%	0.007%
71	6.539	6.521	6.600	VV	450	9508	0.14%	0.004%
72	6.617	6.600	6.637	PV	111	1596	0.02%	0.001%
73	6.652	6.637	6.693	VV	177	3805	0.06%	0.002%
74	6.705	6.693	6.718	VV	73	607	0.01%	0.000%
75	6.737	6.718	6.757	VV	3320	44256	0.64%	0.018%
76	6.777	6.757	6.830	VV	14145	158869	2.31%	0.065%
77	6.870	6.830	6.982	VV	561880	5566018	81.06%	2.264%
78	7.006	6.982	7.027	VV	1662	25243	0.37%	0.010%
79	7.069	7.027	7.124	VV	2572	68321	1.00%	0.028%
80	7.143	7.124	7.161	VV	1324	16417	0.24%	0.007%
81	7.180	7.161	7.211	VV	1742	22693	0.33%	0.009%
82	7.237	7.211	7.324	VV	653	18252	0.27%	0.007%
83	7.347	7.324	7.377	VV	787	11022	0.16%	0.004%
84	7.390	7.377	7.430	VV	238	4141	0.06%	0.002%
85	7.595	7.570	7.611	VV	1401	29402	0.43%	0.012%
86	7.624	7.611	7.654	VV	1531	24948	0.36%	0.010%
87	7.665	7.654	7.691	VV	610	12501	0.18%	0.005%
88	7.743	7.724	7.774	VV	1912	27276	0.40%	0.011%
89	7.800	7.774	7.858	VV	1155	21227	0.31%	0.009%

Instrument :
FID_C
ClientSampleId :
RT5358MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

90	7.953	7.858	7.985	VV	521	18457	0.27%	0.008%
91	8.051	7.985	8.107	VV	558590	5871410	85	
92	8.144	8.107	8.214	VV	639042	6427181	93	
93	8.223	8.214	8.261	VV	1092	24461	0	
94	8.274	8.261	8.307	VV	788	14912	0	
95	8.441	8.411	8.563	VV	659239	6656429	96	
96	8.578	8.563	8.661	VV	992	36277	0.53%	0.015%
97	8.677	8.661	8.699	VV	594	10235	0.15%	0.004%
98	8.722	8.699	8.751	VV	1018	19213	0.28%	0.008%
99	8.777	8.751	8.827	VV	555	16522	0.24%	0.007%
100	8.867	8.827	8.904	VV	1275	18684	0.27%	0.008%
101	8.919	8.904	8.984	VV	207	5316	0.08%	0.002%
102	8.997	8.984	9.032	VV	188	2725	0.04%	0.001%
103	9.053	9.032	9.084	PV	243	4864	0.07%	0.002%
104	9.129	9.084	9.184	VV	293	10432	0.15%	0.004%
105	9.221	9.184	9.359	VV	643900	6866363	100.00%	2.793%
106	9.377	9.359	9.400	VV	1028	19818	0.29%	0.008%
107	9.433	9.400	9.481	VV	9686	148233	2.16%	0.060%
108	9.503	9.481	9.565	VV	27741	356640	5.19%	0.145%
109	9.576	9.565	9.611	VV	1150	21406	0.31%	0.009%
110	9.645	9.611	9.713	VV	566580	6296359	91.70%	2.561%
111	9.728	9.713	9.848	VV	728	29661	0.43%	0.012%
112	9.865	9.848	9.891	VV	214	3403	0.05%	0.001%
113	9.910	9.891	9.934	VV	208	3561	0.05%	0.001%
114	9.973	9.934	10.008	PV	539	10713	0.16%	0.004%
115	10.019	10.008	10.025	VV	189	1512	0.02%	0.001%
116	10.063	10.025	10.102	VV	373	10989	0.16%	0.004%
117	10.150	10.102	10.199	VV	236	8521	0.12%	0.003%
118	10.216	10.199	10.234	VV	206	2866	0.04%	0.001%
119	10.284	10.234	10.317	VV	455	13722	0.20%	0.006%
120	10.355	10.317	10.372	VV	855	17847	0.26%	0.007%
121	10.408	10.372	10.508	VV	11398	199208	2.90%	0.081%
122	10.515	10.508	10.534	VV	210	2493	0.04%	0.001%
123	10.616	10.534	10.658	PV	608270	6680269	97.29%	2.717%
124	10.692	10.658	10.758	VV	579045	6644484	96.77%	2.702%
125	10.766	10.758	10.859	VV	3502	106642	1.55%	0.043%
126	10.883	10.859	10.903	VV	1752	29234	0.43%	0.012%
127	10.924	10.903	10.997	VV	3012	67502	0.98%	0.027%
128	11.010	10.997	11.036	VV	687	11275	0.16%	0.005%
129	11.083	11.036	11.143	VV	533712	6237453	90.84%	2.537%
130	11.159	11.143	11.205	VV	1071	22468	0.33%	0.009%
131	11.229	11.205	11.254	VV	535	10688	0.16%	0.004%
132	11.272	11.254	11.295	VV	675	8393	0.12%	0.003%
133	11.324	11.295	11.346	VV	612	9141	0.13%	0.004%
134	11.388	11.346	11.441	VV	600266	6676647	97.24%	2.716%
135	11.454	11.441	11.474	VV	1095	17477	0.25%	0.007%
136	11.497	11.474	11.514	VV	2375	36694	0.53%	0.015%
137	11.527	11.514	11.544	VV	1792	25485	0.37%	0.010%
138	11.561	11.544	11.584	VV	1308	23701	0.35%	0.010%
139	11.598	11.584	11.653	VV	1173	21969	0.32%	0.009%
140	11.747	11.653	11.767	VV	664	24084	0.35%	0.010%
141	11.798	11.767	11.821	VV	1292	29273	0.43%	0.012%

Instrument :
FID_C
ClientSampleId :
RT5358MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

rteres

142	11.834	11.821	11.872	VV	1157	24784	0.36%	0.010%
143	11.902	11.872	11.958	VV	823	30928		
144	11.998	11.958	12.067	VV	41065	489173		
145	12.084	12.067	12.100	VV	1428	23199		
146	12.113	12.100	12.144	VV	1158	26975		
147	12.162	12.144	12.175	VV	1035	17256		
148	12.206	12.175	12.249	VV	4162	82183	1.20%	0.033%
149	12.271	12.249	12.289	VV	1598	30092	0.44%	0.012%
150	12.309	12.289	12.331	VV	1769	37289	0.54%	0.015%
151	12.389	12.331	12.407	VV	529146	6301938	91.78%	2.563%
152	12.428	12.407	12.546	VV	570215	6677143	97.24%	2.716%
153	12.564	12.546	12.578	VV	1650	29904	0.44%	0.012%
154	12.609	12.578	12.654	VV	7854	154464	2.25%	0.063%
155	12.665	12.654	12.688	VV	2026	38487	0.56%	0.016%
156	12.724	12.688	12.761	VV	530559	6413810	93.41%	2.609%
157	12.780	12.761	12.796	VV	8226	128254	1.87%	0.052%
158	12.829	12.796	12.897	VV	421665	5055897	73.63%	2.056%
159	12.906	12.897	12.926	VV	2661	44583	0.65%	0.018%
160	12.940	12.926	12.959	VV	2560	46749	0.68%	0.019%
161	12.999	12.959	13.046	VV	495292	5997439	87.35%	2.439%
162	13.063	13.046	13.108	VV	3349	100654	1.47%	0.041%
163	13.117	13.108	13.147	VV	2423	53851	0.78%	0.022%
164	13.224	13.147	13.280	VV	6476	252707	3.68%	0.103%
165	13.313	13.280	13.358	VV	3137	135142	1.97%	0.055%
166	13.374	13.358	13.392	VV	2900	55122	0.80%	0.022%
167	13.426	13.392	13.454	VV	3845	117471	1.71%	0.048%
168	13.469	13.454	13.483	VV	3269	54359	0.79%	0.022%
169	13.503	13.483	13.518	VV	3193	63042	0.92%	0.026%
170	13.534	13.518	13.545	VV	3658	53713	0.78%	0.022%
171	13.583	13.545	13.624	VV	474412	5888812	85.76%	2.395%
172	13.637	13.624	13.698	VV	3799	138632	2.02%	0.056%
173	13.703	13.698	13.721	VV	2776	38183	0.56%	0.016%
174	13.735	13.721	13.752	VV	2898	52509	0.76%	0.021%
175	13.808	13.752	13.861	VV	3693	203277	2.96%	0.083%
176	13.874	13.861	13.892	VV	2954	53501	0.78%	0.022%
177	13.910	13.892	13.937	VV	2954	75729	1.10%	0.031%
178	13.971	13.937	13.996	VV	4248	123735	1.80%	0.050%
179	14.014	13.996	14.036	VV	4290	90412	1.32%	0.037%
180	14.063	14.036	14.096	VV	4211	129245	1.88%	0.053%
181	14.146	14.096	14.184	VV	3918	178050	2.59%	0.072%
182	14.230	14.184	14.254	VV	4362	157278	2.29%	0.064%
183	14.285	14.254	14.326	VV	4176	146064	2.13%	0.059%
184	14.362	14.326	14.453	VV	4426	262081	3.82%	0.107%
185	14.461	14.453	14.494	VV	3013	71025	1.03%	0.029%
186	14.523	14.494	14.557	VV	3834	129804	1.89%	0.053%
187	14.600	14.557	14.619	VV	462780	6011253	87.55%	2.445%
188	14.642	14.619	14.661	VV	503461	5942200	86.54%	2.417%
189	14.684	14.661	14.784	VV	454892	5938131	86.48%	2.415%
190	14.793	14.784	14.811	VV	3562	55566	0.81%	0.023%
191	14.834	14.811	14.853	VV	4548	99135	1.44%	0.040%
192	14.872	14.853	14.897	VV	4162	94656	1.38%	0.038%
193	14.927	14.897	14.978	VV	3704	162318	2.36%	0.066%
194	15.057	14.978	15.173	VV	23761	710047	10.34%	0.289%

Instrument :
FID_C
ClientSampleId :
RT5358MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

rteres

195	15.211	15.173	15.237	VV	7212	188337	2.74%	0.077%
196	15.255	15.237	15.301	VV	4344	147302	2	
197	15.308	15.301	15.351	VV	3293	89038	1	
198	15.410	15.351	15.477	VV	3420	225860	3	
199	15.518	15.477	15.550	VV	3866	141386	2	
200	15.575	15.550	15.641	VV	3752	168769	2	
201	15.705	15.641	15.741	VV	408327	5507225	80.21%	2.240%
202	15.758	15.741	15.798	VV	3706	102553	1.49%	0.042%
203	15.874	15.798	15.919	VV	3479	206193	3.00%	0.084%
204	15.943	15.919	15.966	VV	3025	79712	1.16%	0.032%
205	16.024	15.966	16.033	VV	3620	126302	1.84%	0.051%
206	16.070	16.033	16.107	VV	9519	248064	3.61%	0.101%
207	16.152	16.107	16.168	VV	376767	5742965	83.64%	2.336%
208	16.186	16.168	16.230	VV	490654	5845219	85.13%	2.377%
209	16.259	16.230	16.334	VV	9633	320851	4.67%	0.130%
210	16.344	16.334	16.356	VV	3623	46708	0.68%	0.019%
211	16.400	16.356	16.424	VV	5747	173631	2.53%	0.071%
212	16.465	16.424	16.491	VV	5950	177796	2.59%	0.072%
213	16.530	16.491	16.594	VV	406178	5499082	80.09%	2.237%
214	16.652	16.594	16.686	VV	370422	5362371	78.10%	2.181%
215	16.695	16.686	16.703	VV	4822	47885	0.70%	0.019%
216	16.724	16.703	16.760	VV	10089	187368	2.73%	0.076%
217	16.770	16.760	16.788	VV	2463	39215	0.57%	0.016%
218	16.797	16.788	16.831	VV	2272	56699	0.83%	0.023%
219	16.863	16.831	16.878	VV	2140	57678	0.84%	0.023%
220	16.892	16.878	16.943	VV	2157	81026	1.18%	0.033%
221	17.010	16.943	17.071	VV	16419	390447	5.69%	0.159%
222	17.099	17.071	17.134	VV	8286	163983	2.39%	0.067%
223	17.181	17.134	17.222	VV	2382	103982	1.51%	0.042%
224	17.245	17.222	17.277	VV	2202	60909	0.89%	0.025%
225	17.289	17.277	17.308	VV	1730	29970	0.44%	0.012%
226	17.337	17.308	17.354	VV	1658	44049	0.64%	0.018%
227	17.385	17.354	17.396	VV	1727	41201	0.60%	0.017%
228	17.428	17.396	17.455	VV	5724	116446	1.70%	0.047%
229	17.463	17.455	17.472	VV	2195	22862	0.33%	0.009%
230	17.539	17.472	17.587	VV	354531	5148379	74.98%	2.094%
231	17.624	17.587	17.674	VV	6744	161619	2.35%	0.066%
232	17.684	17.674	17.719	VV	1894	48421	0.71%	0.020%
233	17.747	17.719	17.783	VV	2802	76342	1.11%	0.031%
234	17.807	17.783	17.818	VV	2235	40153	0.58%	0.016%
235	17.836	17.818	17.851	VV	2358	44497	0.65%	0.018%
236	17.899	17.851	17.916	VV	383857	5561897	81.00%	2.262%
237	17.937	17.916	18.023	VV	378834	5410440	78.80%	2.201%
238	18.047	18.023	18.106	VV	4038	158274	2.31%	0.064%
239	18.154	18.106	18.279	VV	367154	5295637	77.12%	2.154%
240	18.321	18.279	18.330	VV	5225	115286	1.68%	0.047%
241	18.370	18.330	18.428	VV	321297	4991589	72.70%	2.030%
242	18.463	18.428	18.515	VV	12251	313638	4.57%	0.128%
243	18.535	18.515	18.590	VV	4971	150360	2.19%	0.061%
244	18.705	18.590	18.744	VV	15792	641918	9.35%	0.261%
245	18.762	18.744	18.794	VV	11049	242972	3.54%	0.099%
246	18.812	18.794	18.840	VV	5717	136983	1.99%	0.056%

Instrument :
FID_C
ClientSampleId :
RT5358MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

rteres

247	18.865	18.840	18.897	VV	5862	166141	2.42%	0.068%
248	18.927	18.897	18.941	VV	6268	130160	[illegible]	
249	18.967	18.941	19.014	VV	5717	214212	[illegible]	
250	19.029	19.014	19.051	VV	4106	84106	[illegible]	
251	19.073	19.051	19.094	VV	4093	99373	[illegible]	
252	19.153	19.094	19.219	VV	304863	4989092	72	
253	19.256	19.219	19.284	VV	10283	251634	3.66%	0.102%
254	19.297	19.284	19.315	VV	4410	77307	1.13%	0.031%
255	19.337	19.315	19.364	VV	4682	123218	1.79%	0.050%
256	19.391	19.364	19.424	VV	5322	166337	2.42%	0.068%
257	19.461	19.424	19.478	VV	16477	315189	4.59%	0.128%
258	19.491	19.478	19.600	VV	13084	520288	7.58%	0.212%
259	19.636	19.600	19.654	VV	5116	151045	2.20%	0.061%
260	19.702	19.654	19.714	VV	5351	185530	2.70%	0.075%
261	19.735	19.714	19.762	VV	5743	159271	2.32%	0.065%
262	19.791	19.762	19.821	VV	6416	200099	2.91%	0.081%
263	19.890	19.821	19.944	VV	293018	4665604	67.95%	1.898%
264	20.028	19.944	20.134	VV	8442	694544	10.12%	0.282%
265	20.175	20.134	20.200	VV	5936	218580	3.18%	0.089%
266	20.237	20.200	20.263	VV	7451	249286	3.63%	0.101%
267	20.273	20.263	20.362	VV	6504	350351	5.10%	0.142%
268	20.390	20.362	20.444	VV	5772	279567	4.07%	0.114%
269	20.477	20.444	20.516	VV	5937	246296	3.59%	0.100%
270	20.528	20.516	20.544	VV	5756	95896	1.40%	0.039%
271	20.602	20.544	20.667	VV	259776	4591207	66.87%	1.867%
272	20.739	20.667	20.850	VV	6149	644259	9.38%	0.262%
273	20.876	20.850	20.958	VV	5722	359741	5.24%	0.146%
274	20.996	20.958	21.029	VV	6523	256890	3.74%	0.104%
275	21.120	21.029	21.187	VV	6439	574644	8.37%	0.234%
276	21.198	21.187	21.278	VV	6028	322639	4.70%	0.131%
277	21.286	21.278	21.378	VV	5662	318248	4.63%	0.129%
278	21.450	21.378	21.568	VV	185214	4574851	66.63%	1.861%
279	21.580	21.568	21.593	VV	5203	79778	1.16%	0.032%
280	21.637	21.593	21.818	VV	5824	694094	10.11%	0.282%
281	21.827	21.818	21.841	VV	4945	67960	0.99%	0.028%
282	21.857	21.841	21.906	VV	5001	192436	2.80%	0.078%
283	21.962	21.906	22.001	VV	5232	287403	4.19%	0.117%
284	22.005	22.001	22.024	VV	5053	69524	1.01%	0.028%
285	22.092	22.024	22.108	VV	5009	247857	3.61%	0.101%
286	22.119	22.108	22.150	VV	4932	123582	1.80%	0.050%
287	22.157	22.150	22.165	VV	4802	42662	0.62%	0.017%
288	22.172	22.165	22.201	VBA	4755	106897	1.56%	0.043%

Sum of corrected areas: 245866437

Aliphatic EPH 032625.M Tue Apr 01 04:38:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068453.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 18:53
Operator : YP/AJ
Sample : Q1674-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
RT5358MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:19:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 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)	11.388	6691900	33.690 ug/ml
Spiked Amount	50.000		Recovery =	67.38%
12) S	1-chlorooctadecane (S...	12.829	4963718	33.297 ug/ml
Spiked Amount	50.000		Recovery =	66.59%
	Target Compounds			
1) T	n-Nonane (C9)	3.196	4164155	26.035 ug/ml
2) T	n-Decane (C10)	4.253	4713418	29.076 ug/ml
3) T	A~Naphthalene (C11.7)	5.818	5662211	32.048 ug/ml
4) T	n-Dodecane (C12)	6.261	5320665	32.264 ug/ml
5) T	A~2-methylnaphthalene...	6.870	5483987	32.241 ug/ml
6) T	n-Tetradecane (C14)	8.050	5842384	35.508 ug/ml
7) T	n-Hexadecane (C16)	9.644	6295518	36.634 ug/ml
8) T	n-Octadecane (C18)	11.083	6253937	35.630 ug/ml
10) T	n-Eicosane (C20)	12.389	6333667	36.982 ug/ml
11) T	n-Heneicosane (C21)	12.999	5944431	35.438 ug/ml
13) T	n-Docosane (C22)	13.584	5826101	34.535 ug/ml
14) T	n-Tetracosane (C24)	14.642	11600086	67.733 ug/mlm
15) T	n-Hexacosane (C26)	15.705	5407963	32.132 ug/ml
16) T	n-Octacosane (C28)	16.652	5181094	30.985 ug/ml
17) T	n-Tricontane (C30)	17.540	5055938	28.998 ug/ml
18) T	n-Dotriacontane (C32)	18.369	4838876	28.905 ug/ml
19) T	n-Tetratriacontane (C34)	19.152	4729510	32.065 ug/ml
20) T	n-Hexatriacontane (C36)	19.891	4355424	35.589 ug/ml
21) T	n-Octatriacontane (C38)	20.601	4252455	39.600 ug/ml
22) T	n-Tetracontane (C40)	21.450	4072472	41.553 ug/ml

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

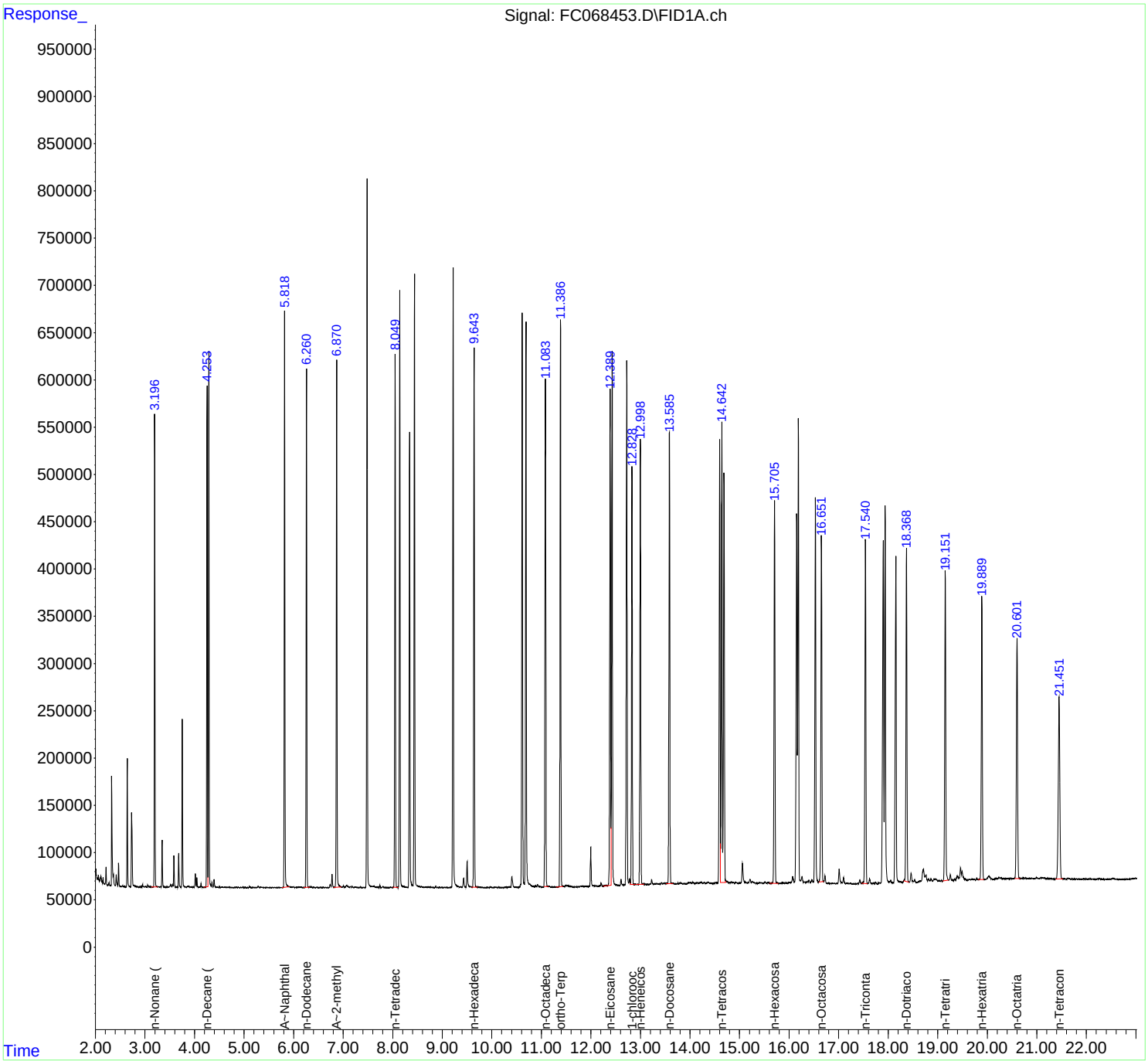
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC033125AL\
Data File : FC068453.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 18:53
Operator : YP/AJ
Sample : Q1674-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
RT5358MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 03:19:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
RT5358MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC03312
Data File : FC068453.D
Signal(s) : FID1A.ch
Acq On : 31 Mar 2025 18:53
Sample : Q1674-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.329	2.304	2.400	BV	112551	1044949	15.22%	0.442%
2	2.419	2.400	2.450	VV	11945	131507	1.92%	0.056%
3	2.467	2.450	2.531	VV	24372	196797	2.87%	0.083%
4	2.549	2.531	2.581	PV	1137	13774	0.20%	0.006%
5	2.590	2.581	2.620	VV	281	3103	0.05%	0.001%
6	2.642	2.620	2.711	PV	135170	1037787	15.12%	0.439%
7	2.731	2.711	2.891	VV	75283	995342	14.50%	0.421%
8	2.907	2.891	2.930	VV	402	3887	0.06%	0.002%
9	2.952	2.930	3.001	PV	2771	26465	0.39%	0.011%
10	3.022	3.001	3.044	VV	249	3720	0.05%	0.002%
11	3.056	3.044	3.166	VV	2278	33748	0.49%	0.014%
12	3.196	3.166	3.300	VV	497972	4183675	60.94%	1.769%
13	3.315	3.300	3.326	VV	444	4959	0.07%	0.002%
14	3.346	3.326	3.414	VV	49160	408510	5.95%	0.173%
15	3.430	3.414	3.444	VV	319	3240	0.05%	0.001%
16	3.454	3.444	3.482	VV	270	4692	0.07%	0.002%
17	3.520	3.482	3.540	VV	3112	43546	0.63%	0.018%
18	3.557	3.540	3.567	VV	3268	29413	0.43%	0.012%
19	3.584	3.567	3.658	VV	33233	293255	4.27%	0.124%
20	3.680	3.658	3.734	PV	35603	313317	4.56%	0.132%
21	3.753	3.734	3.823	VV	175870	1468896	21.39%	0.621%
22	3.861	3.823	3.897	VV	950	26499	0.39%	0.011%
23	3.907	3.897	3.931	VV	583	9489	0.14%	0.004%
24	3.950	3.931	3.990	VV	532	11073	0.16%	0.005%
25	4.017	3.990	4.034	VV	14537	155399	2.26%	0.066%
26	4.048	4.034	4.112	VV	10396	103911	1.51%	0.044%
27	4.132	4.112	4.151	VV	4148	36492	0.53%	0.015%
28	4.160	4.151	4.221	VV	460	9531	0.14%	0.004%
29	4.253	4.221	4.271	VV	532333	4735081	68.97%	2.002%
30	4.288	4.271	4.337	VV	563357	5021620	73.14%	2.123%
31	4.353	4.337	4.375	VV	5361	61747	0.90%	0.026%
32	4.395	4.375	4.488	VV	8524	101350	1.48%	0.043%
33	4.505	4.488	4.561	VV	721	13322	0.19%	0.006%
34	4.578	4.561	4.594	VV	257	3350	0.05%	0.001%
35	4.631	4.594	4.660	VV	257	7168	0.10%	0.003%
36	4.671	4.660	4.693	VV	253	2864	0.04%	0.001%

Instrument :
FID_C
ClientSampleId :
RT5358MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

					rteres			
37	4.709	4.693	4.734	VV	264	3434	0.05%	0.001%
38	4.745	4.734	4.757	VV	93	723		
39	4.773	4.757	4.789	PV	144	1503		
40	4.846	4.789	4.878	PV	236	6221		
41	4.889	4.878	4.923	VV	272	4824		
42	4.934	4.923	4.946	VV	153	2009		
43	4.964	4.946	5.060	VV	278	7965	0.12%	0.003%
44	5.074	5.060	5.088	PV	77	1029	0.01%	0.000%
45	5.109	5.088	5.189	VV	1054	17283	0.25%	0.007%
46	5.201	5.189	5.257	VV	69	1470	0.02%	0.001%
47	5.283	5.257	5.308	VV	1754	18628	0.27%	0.008%
48	5.331	5.308	5.398	VV	720	16164	0.24%	0.007%
49	5.414	5.398	5.441	VV	238	3937	0.06%	0.002%
50	5.461	5.441	5.498	VV	155	3329	0.05%	0.001%
51	5.519	5.498	5.540	VV	223	3233	0.05%	0.001%
52	5.563	5.540	5.621	VV	269	6400	0.09%	0.003%
53	5.625	5.621	5.634	VV	82	396	0.01%	0.000%
54	5.650	5.634	5.680	VV	119	2330	0.03%	0.001%
55	5.693	5.680	5.701	VV	120	831	0.01%	0.000%
56	5.715	5.701	5.758	VV	132	2926	0.04%	0.001%
57	5.818	5.758	5.971	PV	605436	5734531	83.52%	2.425%
58	5.985	5.971	6.074	VV	865	25551	0.37%	0.011%
59	6.110	6.074	6.129	VV	688	13291	0.19%	0.006%
60	6.141	6.129	6.168	VV	447	8277	0.12%	0.003%
61	6.185	6.168	6.202	VV	273	4656	0.07%	0.002%
62	6.208	6.202	6.226	VV	290	2804	0.04%	0.001%
63	6.261	6.226	6.334	VV	548317	5344821	77.85%	2.260%
64	6.347	6.334	6.388	VV	1045	18902	0.28%	0.008%
65	6.408	6.388	6.490	VV	477	13416	0.20%	0.006%
66	6.501	6.490	6.517	VV	146	2059	0.03%	0.001%
67	6.540	6.517	6.562	VV	496	7659	0.11%	0.003%
68	6.571	6.562	6.592	VV	247	3087	0.04%	0.001%
69	6.612	6.592	6.622	VV	127	1662	0.02%	0.001%
70	6.666	6.645	6.710	VV	265	4392	0.06%	0.002%
71	6.736	6.710	6.757	VV	3405	45710	0.67%	0.019%
72	6.777	6.757	6.831	VV	14093	157156	2.29%	0.066%
73	6.870	6.831	6.988	VV	558049	5546921	80.79%	2.345%
74	7.005	6.988	7.027	VV	1640	23987	0.35%	0.010%
75	7.069	7.027	7.124	VV	2448	67943	0.99%	0.029%
76	7.143	7.124	7.162	VV	1314	16915	0.25%	0.007%
77	7.180	7.162	7.208	VV	1792	22976	0.33%	0.010%
78	7.236	7.208	7.294	VV	627	17868	0.26%	0.008%
79	7.302	7.294	7.327	VV	130	2332	0.03%	0.001%
80	7.347	7.327	7.371	VV	813	10246	0.15%	0.004%
81	7.393	7.371	7.421	VV	255	5119	0.07%	0.002%
82	7.596	7.574	7.614	VV	1415	28986	0.42%	0.012%
83	7.624	7.614	7.662	VV	1475	25877	0.38%	0.011%
84	7.670	7.662	7.718	VV	584	16064	0.23%	0.007%
85	7.743	7.718	7.769	VV	2040	27538	0.40%	0.012%
86	7.799	7.769	7.824	VV	1192	18178	0.26%	0.008%
87	7.830	7.824	7.857	VV	251	2806	0.04%	0.001%
88	7.869	7.857	7.881	VV	194	1596	0.02%	0.001%
89	7.904	7.881	7.921	VV	305	4388	0.06%	0.002%

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rteres

Manual IntegrationsAPPROVED

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90	7.952	7.921	7.983	VV	552	11390	0.17%	0.005%
91	8.050	7.983	8.109	VV	563985	5869584	85	
92	8.144	8.109	8.212	VV	633116	6398947	93	
93	8.226	8.212	8.260	VV	1189	26185		
94	8.273	8.260	8.305	VV	807	14489		
95	8.441	8.407	8.564	VV	653716	6644311	96	
96	8.577	8.564	8.614	VV	1146	23378	0.34%	0.010%
97	8.630	8.614	8.664	VV	557	13933	0.20%	0.006%
98	8.680	8.664	8.700	VV	621	9417	0.14%	0.004%
99	8.721	8.700	8.748	VV	950	17151	0.25%	0.007%
100	8.768	8.748	8.837	VV	539	16087	0.23%	0.007%
101	8.866	8.837	8.936	VV	1136	20096	0.29%	0.008%
102	8.947	8.936	8.977	VV	179	2247	0.03%	0.001%
103	9.001	8.977	9.015	PV	153	2524	0.04%	0.001%
104	9.057	9.015	9.078	VV	245	5856	0.09%	0.002%
105	9.123	9.078	9.149	VV	226	5622	0.08%	0.002%
106	9.164	9.149	9.188	VV	236	3272	0.05%	0.001%
107	9.221	9.188	9.361	VV	651581	6865788	100.00%	2.903%
108	9.378	9.361	9.399	VV	1039	17348	0.25%	0.007%
109	9.433	9.399	9.469	VV	10011	140607	2.05%	0.059%
110	9.503	9.469	9.568	VV	27546	363630	5.30%	0.154%
111	9.577	9.568	9.606	VV	1071	16933	0.25%	0.007%
112	9.644	9.606	9.715	VV	568991	6327757	92.16%	2.675%
113	9.741	9.715	9.838	VV	659	25613	0.37%	0.011%
114	9.850	9.838	9.864	VV	170	1997	0.03%	0.001%
115	9.873	9.864	9.894	VV	188	1604	0.02%	0.001%
116	9.910	9.894	9.951	PV	184	3205	0.05%	0.001%
117	9.972	9.951	10.004	VV	613	9461	0.14%	0.004%
118	10.011	10.004	10.021	VV	129	1317	0.02%	0.001%
119	10.027	10.021	10.044	VV	189	1861	0.03%	0.001%
120	10.066	10.044	10.131	VV	404	11532	0.17%	0.005%
121	10.146	10.131	10.184	VV	351	5011	0.07%	0.002%
122	10.221	10.184	10.233	PV	175	2678	0.04%	0.001%
123	10.284	10.233	10.317	VV	398	13242	0.19%	0.006%
124	10.354	10.317	10.369	VV	771	16385	0.24%	0.007%
125	10.407	10.369	10.506	VV	11475	197271	2.87%	0.083%
126	10.520	10.506	10.535	VV	198	2505	0.04%	0.001%
127	10.615	10.535	10.661	PV	608090	6724907	97.95%	2.843%
128	10.692	10.661	10.759	VV	593700	6675843	97.23%	2.823%
129	10.768	10.759	10.860	VV	3495	101245	1.47%	0.043%
130	10.883	10.860	10.903	VV	1787	27821	0.41%	0.012%
131	10.924	10.903	10.998	VV	2944	65788	0.96%	0.028%
132	11.010	10.998	11.034	VV	579	9379	0.14%	0.004%
133	11.083	11.034	11.144	VV	534834	6301543	91.78%	2.664%
134	11.156	11.144	11.200	VV	1054	19930	0.29%	0.008%
135	11.232	11.200	11.251	VV	443	8420	0.12%	0.004%
136	11.272	11.251	11.301	VV	551	6933	0.10%	0.003%
137	11.322	11.301	11.337	PV	468	4832	0.07%	0.002%
138	11.388	11.337	11.440	VV	599375	6723905	97.93%	2.843%
139	11.454	11.440	11.473	VV	920	15074	0.22%	0.006%
140	11.496	11.473	11.513	VV	2384	34138	0.50%	0.014%
141	11.527	11.513	11.545	VV	1643	24724	0.36%	0.010%

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142	11.560	11.545	11.584	VV	1147	20880	0.30%	0.009%
143	11.597	11.584	11.652	VV	1082	16873		
144	11.692	11.652	11.707	PV	203	3950		
145	11.748	11.707	11.768	VV	543	10743		
146	11.795	11.768	11.819	VV	1226	23669		
147	11.833	11.819	11.877	VV	894	22252		
148	11.904	11.877	11.929	VV	790	16241	0.24%	0.007%
149	11.997	11.929	12.074	VV	41686	515811	7.51%	0.218%
150	12.083	12.074	12.101	VV	1175	15650	0.23%	0.007%
151	12.115	12.101	12.141	VV	955	19230	0.28%	0.008%
152	12.160	12.141	12.176	VV	840	15107	0.22%	0.006%
153	12.207	12.176	12.251	VV	4018	72221	1.05%	0.031%
154	12.273	12.251	12.289	VV	1303	23869	0.35%	0.010%
155	12.311	12.289	12.333	VV	1532	32037	0.47%	0.014%
156	12.389	12.333	12.407	VV	520264	6371518	92.80%	2.694%
157	12.428	12.407	12.552	VV	567918	6703665	97.64%	2.834%
158	12.562	12.552	12.584	VV	1381	24738	0.36%	0.010%
159	12.609	12.584	12.684	VV	7629	167275	2.44%	0.071%
160	12.723	12.684	12.761	VV	560232	6443511	93.85%	2.724%
161	12.779	12.761	12.796	VV	8106	121029	1.76%	0.051%
162	12.829	12.796	12.891	VV	441655	5084352	74.05%	2.150%
163	12.905	12.891	12.930	VV	2262	50684	0.74%	0.021%
164	12.938	12.930	12.958	VV	2140	33940	0.49%	0.014%
165	12.999	12.958	13.043	VV	471964	6049377	88.11%	2.558%
166	13.063	13.043	13.111	VV	2973	96489	1.41%	0.041%
167	13.122	13.111	13.147	VV	2074	41025	0.60%	0.017%
168	13.224	13.147	13.282	VV	7015	231270	3.37%	0.098%
169	13.318	13.282	13.357	VV	2768	111455	1.62%	0.047%
170	13.372	13.357	13.394	VV	2463	50967	0.74%	0.022%
171	13.425	13.394	13.448	VV	3487	89968	1.31%	0.038%
172	13.465	13.448	13.512	VV	2925	101722	1.48%	0.043%
173	13.534	13.512	13.544	VV	2999	53750	0.78%	0.023%
174	13.584	13.544	13.623	VV	482372	5933751	86.42%	2.509%
175	13.639	13.623	13.692	VV	3258	112936	1.64%	0.048%
176	13.701	13.692	13.711	VV	2351	26456	0.39%	0.011%
177	13.735	13.711	13.767	VV	2470	77529	1.13%	0.033%
178	13.809	13.767	13.859	VV	3364	145725	2.12%	0.062%
179	13.874	13.859	13.894	VV	2470	47298	0.69%	0.020%
180	13.971	13.894	13.998	VV	3729	163523	2.38%	0.069%
181	14.014	13.998	14.037	VV	3799	77137	1.12%	0.033%
182	14.059	14.037	14.108	VV	3474	120305	1.75%	0.051%
183	14.146	14.108	14.168	VV	3222	99660	1.45%	0.042%
184	14.202	14.168	14.213	VV	3224	77975	1.14%	0.033%
185	14.230	14.213	14.261	VV	3550	89326	1.30%	0.038%
186	14.286	14.261	14.323	VV	3526	101723	1.48%	0.043%
187	14.362	14.323	14.461	VV	3728	227023	3.31%	0.096%
188	14.468	14.461	14.494	VV	2341	45605	0.66%	0.019%
189	14.520	14.494	14.555	VV	3270	101831	1.48%	0.043%
190	14.598	14.555	14.618	VV	471650	6017618	87.65%	2.544%
191	14.642	14.618	14.661	VV	483613	5932778	86.41%	2.508%
192	14.685	14.661	14.808	VV	436512	5988917	87.23%	2.532%
193	14.834	14.808	14.856	VV	3792	88761	1.29%	0.038%
194	14.874	14.856	14.894	VV	3264	67603	0.98%	0.029%

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195	14.925	14.894	15.007	VV	2924	167850	2.44%	0.071%
196	15.057	15.007	15.178	VV	22916	589508	8	
197	15.211	15.178	15.236	VV	6225	146635	2	
198	15.253	15.236	15.357	VV	3494	183515	2	
199	15.410	15.357	15.428	VV	2787	90724	1	
200	15.441	15.428	15.484	VV	2357	68454	1	
201	15.519	15.484	15.552	VV	3011	95051	1.38%	0.040%
202	15.578	15.552	15.651	VV	2927	125662	1.83%	0.053%
203	15.705	15.651	15.741	VV	402338	5480732	79.83%	2.317%
204	15.760	15.741	15.786	VV	2679	58230	0.85%	0.025%
205	15.799	15.786	15.814	VV	1588	24414	0.36%	0.010%
206	15.874	15.814	15.898	VV	2484	92910	1.35%	0.039%
207	15.908	15.898	15.930	VV	1978	35495	0.52%	0.015%
208	15.947	15.930	15.967	VV	2025	39789	0.58%	0.017%
209	16.023	15.967	16.040	VV	2650	92651	1.35%	0.039%
210	16.071	16.040	16.107	VV	8588	193548	2.82%	0.082%
211	16.153	16.107	16.168	VV	390516	5751583	83.77%	2.432%
212	16.187	16.168	16.233	VV	498866	5805757	84.56%	2.455%
213	16.259	16.233	16.308	VV	8565	209511	3.05%	0.089%
214	16.314	16.308	16.331	VV	2574	33301	0.49%	0.014%
215	16.346	16.331	16.357	VV	2665	37495	0.55%	0.016%
216	16.401	16.357	16.424	VV	4656	126061	1.84%	0.053%
217	16.465	16.424	16.491	VV	4890	132868	1.94%	0.056%
218	16.530	16.491	16.593	VV	407086	5445584	79.31%	2.302%
219	16.652	16.593	16.684	VV	367843	5334395	77.70%	2.255%
220	16.724	16.684	16.846	VV	8851	229713	3.35%	0.097%
221	16.869	16.846	16.921	VV	1001	38089	0.55%	0.016%
222	16.931	16.921	16.941	VV	748	8411	0.12%	0.004%
223	16.951	16.941	16.958	VV	702	6669	0.10%	0.003%
224	17.010	16.958	17.068	VV	15801	289930	4.22%	0.123%
225	17.099	17.068	17.140	VV	6402	114074	1.66%	0.048%
226	17.183	17.140	17.228	VV	1025	37151	0.54%	0.016%
227	17.242	17.228	17.274	VV	839	15687	0.23%	0.007%
228	17.287	17.274	17.301	VV	366	4316	0.06%	0.002%
229	17.339	17.301	17.359	VV	317	8591	0.13%	0.004%
230	17.427	17.359	17.472	VV	4385	86172	1.26%	0.036%
231	17.540	17.472	17.584	VV	365807	5090592	74.14%	2.152%
232	17.624	17.584	17.723	VV	5053	101383	1.48%	0.043%
233	17.744	17.723	17.778	VV	1245	20144	0.29%	0.009%
234	17.806	17.778	17.818	PV	799	10648	0.16%	0.005%
235	17.838	17.818	17.854	VV	1035	18081	0.26%	0.008%
236	17.900	17.854	17.916	VV	367397	5504298	80.17%	2.327%
237	17.938	17.916	18.022	VV	399465	5378065	78.33%	2.274%
238	18.051	18.022	18.105	VV	2441	78495	1.14%	0.033%
239	18.155	18.105	18.284	VV	342971	5164112	75.22%	2.183%
240	18.321	18.284	18.329	VV	3379	59511	0.87%	0.025%
241	18.369	18.329	18.424	VV	354206	4924893	71.73%	2.082%
242	18.462	18.424	18.516	VV	10526	220342	3.21%	0.093%
243	18.534	18.516	18.569	VV	2972	55544	0.81%	0.023%
244	18.586	18.569	18.595	VV	700	9977	0.15%	0.004%
245	18.711	18.595	18.744	VV	13519	469298	6.84%	0.198%
246	18.762	18.744	18.793	VV	8156	168006	2.45%	0.071%

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247	18.812	18.793	18.838	VV	3850	83927	1.22%	0.035%
248	18.864	18.838	18.901	VV	3800	100460	1	
249	18.926	18.901	18.944	VV	4243	81063	1	
250	18.962	18.944	19.050	VV	3834	154484	2	
251	19.075	19.050	19.094	VV	2001	43553	0	
252	19.152	19.094	19.218	VV	328883	4871552	70	
253	19.255	19.218	19.282	VV	8038	163543	2.38%	0.069%
254	19.299	19.282	19.317	VV	2337	41669	0.61%	0.018%
255	19.340	19.317	19.353	VV	2789	52331	0.76%	0.022%
256	19.394	19.353	19.434	VV	6338	226025	3.29%	0.096%
257	19.460	19.434	19.478	VV	14916	255229	3.72%	0.108%
258	19.491	19.478	19.604	VV	11274	342683	4.99%	0.145%
259	19.636	19.604	19.664	VV	2551	78853	1.15%	0.033%
260	19.691	19.664	19.714	VV	2754	76281	1.11%	0.032%
261	19.735	19.714	19.762	VV	2926	73104	1.06%	0.031%
262	19.790	19.762	19.818	VV	3154	87721	1.28%	0.037%
263	19.891	19.818	19.931	VV	294961	4512106	65.72%	1.908%
264	19.948	19.931	19.967	VV	2334	48402	0.70%	0.020%
265	20.028	19.967	20.125	VV	5787	333051	4.85%	0.141%
266	20.179	20.125	20.199	VV	3025	113209	1.65%	0.048%
267	20.234	20.199	20.261	VV	4093	129277	1.88%	0.055%
268	20.276	20.261	20.365	VV	3484	179200	2.61%	0.076%
269	20.421	20.365	20.448	VV	2772	130260	1.90%	0.055%
270	20.472	20.448	20.507	VV	2772	89806	1.31%	0.038%
271	20.601	20.507	20.667	VV	256314	4490717	65.41%	1.899%
272	20.695	20.667	20.708	VV	2744	62912	0.92%	0.027%
273	20.738	20.708	20.767	VV	2910	98369	1.43%	0.042%
274	20.803	20.767	20.855	VV	2640	132111	1.92%	0.056%
275	20.866	20.855	20.889	VV	2426	46358	0.68%	0.020%
276	20.897	20.889	20.950	VV	2299	80242	1.17%	0.034%
277	20.995	20.950	21.024	VV	2890	108130	1.57%	0.046%
278	21.107	21.024	21.211	VV	2771	256540	3.74%	0.108%
279	21.220	21.211	21.249	VV	1852	39134	0.57%	0.017%
280	21.277	21.249	21.377	VV	1650	109087	1.59%	0.046%
281	21.450	21.377	21.578	VV	193498	4216189	61.41%	1.783%
282	21.637	21.578	21.702	VV	1584	81611	1.19%	0.035%
283	21.724	21.702	21.754	VV	795	23114	0.34%	0.010%
284	21.767	21.754	21.784	VV	723	11964	0.17%	0.005%
285	21.803	21.784	21.900	VV	747	40989	0.60%	0.017%
286	21.954	21.900	22.010	VV	756	37603	0.55%	0.016%
287	22.023	22.010	22.180	VV	564	29518	0.43%	0.012%

Sum of corrected areas: 236515586

Aliphatic EPH 032625.M Tue Apr 01 04:42:02 2025

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

Manual Integration Report

Sequence:	FC032625AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068415.D	n-Tetracontane (C40)	yogesh	3/27/2025 8:56:53 AM	mohammad	3/28/2025 1:18:48	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC033125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167381BS	FC068446.D	n-Tetracosane (C24)	yogesh	4/1/2025 7:59:50 AM	mohammad	4/2/2025 1:16:40	Peak Integrated by Software
PB167381BSD	FC068447.D	n-Tetracosane (C24)	yogesh	4/1/2025 7:59:51 AM	mohammad	4/2/2025 1:16:40	Peak Integrated by Software
Q1674-01MS	FC068452.D	n-Tetracosane (C24)	yogesh	4/1/2025 7:59:53 AM	mohammad	4/2/2025 1:16:40	Peak Integrated by Software
Q1674-01MSD	FC068453.D	n-Tetracosane (C24)	yogesh	4/1/2025 7:59:54 AM	mohammad	4/2/2025 1:16:40	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC040125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032625AL

Review By	yogesh	Review On	3/26/2025 3:15:44 PM		
Supervise By	mohammad	Supervise On	3/28/2025 1:18:48 AM		
SubDirectory	FC032625AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068399.D	26 Mar 2025 09:12	YP/AJ	Ok
2	I.BLK	FC068400.D	26 Mar 2025 09:49	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068401.D	26 Mar 2025 10:26	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068402.D	26 Mar 2025 11:05	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068403.D	26 Mar 2025 11:42	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068404.D	26 Mar 2025 12:21	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068405.D	26 Mar 2025 12:59	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068406.D	26 Mar 2025 13:36	YP/AJ	Ok
9	I.BLK	FC068407.D	26 Mar 2025 14:14	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068408.D	26 Mar 2025 14:52	YP/AJ	Ok
11	PB167327BL	FC068409.D	26 Mar 2025 16:02	YP/AJ	Ok
12	PB167327BS	FC068410.D	26 Mar 2025 16:39	YP/AJ	Ok
13	PB167327BSD	FC068411.D	26 Mar 2025 17:17	YP/AJ	Ok
14	Q1625-01	FC068412.D	26 Mar 2025 17:55	YP/AJ	Ok
15	Q1644-03	FC068413.D	26 Mar 2025 18:32	YP/AJ	Ok
16	I.BLK	FC068414.D	26 Mar 2025 19:46	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC068415.D	26 Mar 2025 20:24	YP/AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC033125AL

Review By	yogesh	Review On	3/31/2025 12:04:41 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:40 AM		
SubDirectory	FC033125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068442.D	31 Mar 2025 08:44	YP/AJ	Ok
2	I.BLK	FC068443.D	31 Mar 2025 10:40	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068444.D	31 Mar 2025 11:17	YP/AJ	Ok
4	PB167381BL	FC068445.D	31 Mar 2025 13:54	YP/AJ	Ok
5	PB167381BS	FC068446.D	31 Mar 2025 14:31	YP/AJ	Ok,M
6	PB167381BSD	FC068447.D	31 Mar 2025 15:08	YP/AJ	Ok,M
7	Q1672-01	FC068448.D	31 Mar 2025 15:46	YP/AJ	Ok
8	Q1672-02	FC068449.D	31 Mar 2025 16:23	YP/AJ	Ok
9	Q1674-01	FC068450.D	31 Mar 2025 17:01	YP/AJ	Ok
10	Q1674-01D	FC068451.D	31 Mar 2025 17:38	YP/AJ	Ok
11	Q1674-01MS	FC068452.D	31 Mar 2025 18:15	YP/AJ	Ok,M
12	Q1674-01MSD	FC068453.D	31 Mar 2025 18:53	YP/AJ	Ok,M
13	Q1674-03	FC068454.D	31 Mar 2025 19:30	YP/AJ	Ok
14	Q1675-13	FC068455.D	31 Mar 2025 20:08	YP/AJ	Ok
15	Q1675-14	FC068456.D	31 Mar 2025 20:45	YP/AJ	Dilution
16	Q1675-15	FC068457.D	31 Mar 2025 21:23	YP/AJ	Ok
17	Q1675-16	FC068458.D	31 Mar 2025 22:01	YP/AJ	Ok
18	Q1675-17	FC068459.D	31 Mar 2025 22:38	YP/AJ	Dilution
19	I.BLK	FC068460.D	01 Apr 2025 00:31	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC068461.D	01 Apr 2025 01:08	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068462.D	01 Apr 2025 06:21	YP/AJ	Ok
2	I.BLK	FC068463.D	01 Apr 2025 06:58	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068464.D	01 Apr 2025 07:35	YP/AJ	Ok
4	Q1675-14DL	FC068465.D	01 Apr 2025 08:12	YP/AJ	Ok
5	Q1675-17DL	FC068466.D	01 Apr 2025 08:49	YP/AJ	Ok
6	I.BLK	FC068467.D	01 Apr 2025 10:31	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC068468.D	01 Apr 2025 11:08	YP/AJ	Ok
8	PB167402BL	FC068469.D	01 Apr 2025 16:10	YP/AJ	Ok
9	PB167402BS	FC068470.D	01 Apr 2025 16:46	YP/AJ	Ok
10	PB167402TB	FC068471.D	01 Apr 2025 17:22	YP/AJ	Ok
11	Q1664-04	FC068472.D	01 Apr 2025 17:59	YP/AJ	Ok
12	Q1664-05	FC068473.D	01 Apr 2025 18:36	YP/AJ	Ok
13	Q1664-06	FC068474.D	01 Apr 2025 19:14	YP/AJ	Ok
14	Q1664-08	FC068475.D	01 Apr 2025 19:51	YP/AJ	Ok
15	Q1664-10	FC068476.D	01 Apr 2025 20:27	YP/AJ	Ok
16	Q1664-12	FC068477.D	01 Apr 2025 21:04	YP/AJ	Ok
17	Q1664-14	FC068478.D	01 Apr 2025 21:42	YP/AJ	Ok
18	Q1664-16	FC068479.D	01 Apr 2025 22:19	YP/AJ	Ok
19	Q1664-18	FC068480.D	01 Apr 2025 22:56	YP/AJ	Ok
20	Q1664-20	FC068481.D	01 Apr 2025 23:33	YP/AJ	Ok
21	Q1664-22	FC068482.D	02 Apr 2025 00:09	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FC068483.D	02 Apr 2025 00:47	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068484.D	02 Apr 2025 01:23	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032625AL

Review By	yogesh	Review On	3/26/2025 3:15:44 PM		
Supervise By	mohammad	Supervise On	3/28/2025 1:18:48 AM		
SubDirectory	FC032625AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068399.D	26 Mar 2025 09:12		YP/AJ	Ok
2	I.BLK	I.BLK	FC068400.D	26 Mar 2025 09:49		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068401.D	26 Mar 2025 10:26		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068402.D	26 Mar 2025 11:05		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068403.D	26 Mar 2025 11:42		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068404.D	26 Mar 2025 12:21		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068405.D	26 Mar 2025 12:59		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068406.D	26 Mar 2025 13:36		YP/AJ	Ok
9	I.BLK	I.BLK	FC068407.D	26 Mar 2025 14:14		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068408.D	26 Mar 2025 14:52		YP/AJ	Ok
11	PB167327BL	PB167327BL	FC068409.D	26 Mar 2025 16:02		YP/AJ	Ok
12	PB167327BS	PB167327BS	FC068410.D	26 Mar 2025 16:39	naphthalene break down - 5.0, 2-methylnephthalene break down - 4.9	YP/AJ	Ok
13	PB167327BSD	PB167327BSD	FC068411.D	26 Mar 2025 17:17	naphthalene break down - 5.0, 2-methylnephthalene break down - 4.9	YP/AJ	Ok
14	Q1625-01	FRAC-TANK-A1291	FC068412.D	26 Mar 2025 17:55		YP/AJ	Ok
15	Q1644-03	031925	FC068413.D	26 Mar 2025 18:32		YP/AJ	Ok
16	I.BLK	I.BLK	FC068414.D	26 Mar 2025 19:46		YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC032625AL

Review By	yogesh	Review On	3/26/2025 3:15:44 PM		
Supervise By	mohammad	Supervise On	3/28/2025 1:18:48 AM		
SubDirectory	FC032625AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068415.D	26 Mar 2025 20:24		YP/AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC033125AL

Review By	yogesh	Review On	3/31/2025 12:04:41 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:40 AM		
SubDirectory	FC033125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068442.D	31 Mar 2025 08:44		YP/AJ	Ok
2	I.BLK	I.BLK	FC068443.D	31 Mar 2025 10:40		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068444.D	31 Mar 2025 11:17		YP/AJ	Ok
4	PB167381BL	PB167381BL	FC068445.D	31 Mar 2025 13:54		YP/AJ	Ok
5	PB167381BS	PB167381BS	FC068446.D	31 Mar 2025 14:31		YP/AJ	Ok,M
6	PB167381BSD	PB167381BSD	FC068447.D	31 Mar 2025 15:08		YP/AJ	Ok,M
7	Q1672-01	TP-8	FC068448.D	31 Mar 2025 15:46		YP/AJ	Ok
8	Q1672-02	TP-8-EPH	FC068449.D	31 Mar 2025 16:23		YP/AJ	Ok
9	Q1674-01	RT5358	FC068450.D	31 Mar 2025 17:01		YP/AJ	Ok
10	Q1674-01D	Q1674-01D	FC068451.D	31 Mar 2025 17:38		YP/AJ	Ok
11	Q1674-01MS	RT5358MS	FC068452.D	31 Mar 2025 18:15	FC068450.D	YP/AJ	Ok,M
12	Q1674-01MSD	RT5358MSD	FC068453.D	31 Mar 2025 18:53	FC068450.D!FC068452.D	YP/AJ	Ok,M
13	Q1674-03	72-11991	FC068454.D	31 Mar 2025 19:30		YP/AJ	Ok
14	Q1675-13	D1	FC068455.D	31 Mar 2025 20:08		YP/AJ	Ok
15	Q1675-14	D2	FC068456.D	31 Mar 2025 20:45	need 10x dilution	YP/AJ	Dilution
16	Q1675-15	D3	FC068457.D	31 Mar 2025 21:23		YP/AJ	Ok
17	Q1675-16	D4	FC068458.D	31 Mar 2025 22:01		YP/AJ	Ok
18	Q1675-17	D5	FC068459.D	31 Mar 2025 22:38	need 5x dilution	YP/AJ	Dilution

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC033125AL

Review By	yogesh	Review On	3/31/2025 12:04:41 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:40 AM		
SubDirectory	FC033125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	FC068460.D	01 Apr 2025 00:31		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068461.D	01 Apr 2025 01:08		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068462.D	01 Apr 2025 06:21		YP/AJ	Ok
2	I.BLK	I.BLK	FC068463.D	01 Apr 2025 06:58		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068464.D	01 Apr 2025 07:35		YP/AJ	Ok
4	Q1675-14DL	D2DL	FC068465.D	01 Apr 2025 08:12		YP/AJ	Ok
5	Q1675-17DL	D5DL	FC068466.D	01 Apr 2025 08:49		YP/AJ	Ok
6	I.BLK	I.BLK	FC068467.D	01 Apr 2025 10:31		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068468.D	01 Apr 2025 11:08		YP/AJ	Ok
8	PB167402BL	PB167402BL	FC068469.D	01 Apr 2025 16:10		YP/AJ	Ok
9	PB167402BS	PB167402BS	FC068470.D	01 Apr 2025 16:46	naphthalene break down - 5, 2-methylnephthalene break down - 4.80	YP/AJ	Ok
10	PB167402TB	PB167402TB	FC068471.D	01 Apr 2025 17:22		YP/AJ	Ok
11	Q1664-04	P001-BBDGA-001-01	FC068472.D	01 Apr 2025 17:59		YP/AJ	Ok
12	Q1664-05	P001-BBDGA-001-01MS	FC068473.D	01 Apr 2025 18:36	FC068472.D	YP/AJ	Ok
13	Q1664-06	P001-BBDGA-001-01MSD	FC068474.D	01 Apr 2025 19:14	FC068472.D!FC068473.D	YP/AJ	Ok
14	Q1664-08	P001-BBDGA-001-02	FC068475.D	01 Apr 2025 19:51		YP/AJ	Ok
15	Q1664-10	P001-BBDGA-002-01	FC068476.D	01 Apr 2025 20:27		YP/AJ	Ok
16	Q1664-12	P001-BBDGA-003-01	FC068477.D	01 Apr 2025 21:04		YP/AJ	Ok
17	Q1664-14	P001-BBDGA-004-01	FC068478.D	01 Apr 2025 21:42		YP/AJ	Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040125AL

Review By	yogesh	Review On	4/1/2025 10:50:16 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:38:08 AM		
SubDirectory	FC040125AL	HP Acquire Method		HP Processing Method	FC032625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1664-16	P001-BBDGA-005-01	FC068479.D	01 Apr 2025 22:19		YP/AJ	Ok
19	Q1664-18	P001-BBDGA-006-01	FC068480.D	01 Apr 2025 22:56		YP/AJ	Ok
20	Q1664-20	P001-BBDGA-007-01	FC068481.D	01 Apr 2025 23:33		YP/AJ	Ok
21	Q1664-22	P001-BBDGA-008-01	FC068482.D	02 Apr 2025 00:09		YP/AJ	Ok
22	I.BLK	I.BLK	FC068483.D	02 Apr 2025 00:47		YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	20 PPM ALIPHATIC HC STD	FC068484.D	02 Apr 2025 01:23		YP/AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167381

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/31/2025
Matrix :	Solid			**Extraction Start Time :**	08:56
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/31/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24210
Fractionation Surrogate	1.0ML	100 PPM	PP24403
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	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Hexane	N/A	E3914
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:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25	RP (Ext. Lab)	Y-Y-pestlab
13:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167381

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167381BL	PB167381BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U3-1
PB167381BS	PB167381BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB167381BSD	PB167381BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q1672-01	TP-8	EPH_NF	30.06	N/A	ritesh	Evelyn	2	D		4
Q1672-02	TP-8-EPH	EPH_NF	30.08	N/A	ritesh	Evelyn	2	D		5
Q1674-01	RT5358	EPH_NF	30.05	N/A	ritesh	Evelyn	2	D		6
Q1674-01DUP	RT5358DUP	EPH_NF	30.01	N/A	ritesh	Evelyn	2	D		U6-1
Q1674-01MS	RT5358MS	EPH_NF	30.02	N/A	ritesh	Evelyn	2	D		2
Q1674-01MSD	RT5358MSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	D		3
Q1674-03	72-11991	EPH_NF	30.05	N/A	ritesh	Evelyn	2	D		4
Q1675-13	D1	EPH_NF	30.04	N/A	ritesh	Evelyn	2	A		5
Q1675-14	D2	EPH_NF	30.06	N/A	ritesh	Evelyn	2	A	Stone	6
Q1675-15	D3	EPH_NF	30.03	N/A	ritesh	Evelyn	2	A	Stone	U7-1
Q1675-16	D4	EPH_NF	30.05	N/A	ritesh	Evelyn	2	A	Stone	2
Q1675-17	D5	EPH_NF	30.07	N/A	ritesh	Evelyn	2	A	Stone	3

* **Extracts relinquished on the same date as received.**

(167366) NF 9:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1675 **WorkList ID :** 188632 **Department :** Extraction **Date :** 03-31-2025 08:17:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1672-01	TP-8	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/27/2025	NJEPH
Q1672-02	TP-8-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/27/2025	NJEPH
Q1674-01	RT5358	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	03/28/2025	NJEPH
Q1674-03	72-11991	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	03/28/2025	NJEPH
Q1675-01	P1	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-02	P2	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-03	P3	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-05	P5	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-06	P6	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-13	D1	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-14	D2	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-15	D3	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-16	D4	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-17	D5	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-18	K1P	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH
Q1675-19	K1	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH
Q1675-20	K2	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH
Q1675-21	K3	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH

Date/Time 03/31/25 8:50
Raw Sample Received by: RJ (Cool 1 of 1)
Raw Sample Relinquished by: AW SM

Date/Time 03/31/25 9:20
Raw Sample Received by: AW SM
Raw Sample Relinquished by: RJ (Cool 1 of 1)

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LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-01	**P1**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-02	**P2**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-03	**P3**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-05	**P5**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
			EPH_F2	NJEPH		03/31/25	04/01/25	
Q1675-05DL	**P5DL**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	04/01/25	
Q1675-06	**P6**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-13	**D1**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-14	**D2**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-14DL	**D2DL**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	04/01/25	
Q1675-15	**D3**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-16	**D4**	**Solid**			**03/27/25**			**03/28/25**

LAB CHRONICLE

			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-17	**D5**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-17DL	**D5DL**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	04/01/25	
Q1675-18	**K1P**	**Solid**			**03/28/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
			EPH_F2	NJEPH		03/31/25	04/01/25	
Q1675-18DL	**K1PDL**	**Solid**			**03/28/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	04/01/25	
Q1675-19	**K1**	**Solid**			**03/28/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-20	**K2**	**Solid**			**03/28/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-21	**K3**	**Solid**			**03/28/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	

SAMPLE DATA

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.8	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 16:32	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	20.8		1	0.95	4.17	mg/kg	FE053074.D
Total EPH	Total EPH	20.8			0.95	4.17	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.8	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053074.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		20.8		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.00	J	1.23	2.09	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		40.4		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-01	Acq On:	31 Mar 2025 16:32
Client Sample ID:	P1	Operator:	YP\AJ
Data file:	FE053074.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	3426396	21.96	300	ug/ml
Aliphatic C12-C16	6.785	10.235	19238530	125.225	200	ug/ml
Aliphatic C16-C21	10.236	13.612	17244170	119.471	300	ug/ml
Aliphatic C21-C28	13.613	17.286	4389365	32.672	400	ug/ml
Aliphatic C28-C40	17.287	22.206	3574756	28.769	600	ug/ml
Aliphatic EPH	3.141	22.206	47873217	328.097		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	6575088	40.37		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4834527	40.27		ug/ml
Aliphatic C9-C28	3.141	17.286	44298461	299.328	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	03/27/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	P2			SDG No.:	Q1675
Lab Sample ID:	Q1675-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	96.5
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 17:02	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	1.56	J	1	0.94	4.13	mg/kg	FE053075.D
Total EPH	Total EPH	1.56	J		0.94	4.13	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P2		SDG No.:	Q1675	
Lab Sample ID:	Q1675-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	96.5	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053075.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.56	J	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.51	J	1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-02	Acq On:	31 Mar 2025 17:02
Client Sample ID:	P2	Operator:	YP\AJ
Data file:	FE053075.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	646336	4.142	300	ug/ml
Aliphatic C12-C16	6.785	10.235	758192	4.935	200	ug/ml
Aliphatic C16-C21	10.236	13.612	698957	4.843	300	ug/ml
Aliphatic C21-C28	13.613	17.286	1180740	8.789	400	ug/ml
Aliphatic C28-C40	17.287	22.206	2717666	21.871	600	ug/ml
Aliphatic EPH	3.141	22.206	6001891	44.58		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	6274385	38.52		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4598873	38.31		ug/ml
Aliphatic C9-C28	3.141	17.286	3284225	22.709	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.3	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 18:33	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	10.3		1	0.95	4.20	mg/kg	FE053078.D
Total EPH	Total EPH	10.3			0.95	4.20	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.3	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053078.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.3		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.62		1.24	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.8		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-03	Acq On:	31 Mar 2025 18:33
Client Sample ID:	P3	Operator:	YP\AJ
Data file:	FE053078.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	584412	3.745	300	ug/ml
Aliphatic C12-C16	6.785	10.235	3217014	20.94	200	ug/ml
Aliphatic C16-C21	10.236	13.612	12511720	86.684	300	ug/ml
Aliphatic C21-C28	13.613	17.286	4815452	35.843	400	ug/ml
Aliphatic C28-C40	17.287	22.206	6436427	51.799	600	ug/ml
Aliphatic EPH	3.141	22.206	27565025	199.012		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5349469	32.84		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	3896718	32.46		ug/ml
Aliphatic C9-C28	3.141	17.286	21128598	147.212	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.1	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	04/01/25 8:15	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	595		20	19.8	86.8	mg/kg	FE053090.D
Total EPH	Total EPH	595			19.8	86.8	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P5		SDG No.:	Q1675	
Lab Sample ID:	Q1675-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.1	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053079.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		532	E	0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.85		1.28	2.17	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		46.1		40 - 140	92%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-05	Acq On:	31 Mar 2025 19:03
Client Sample ID:	P5	Operator:	YP\AJ
Data file:	FE053079.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	1242421	7.963	300	ug/ml
Aliphatic C12-C16	6.785	10.235	123262461	802.326	200	ug/ml
Aliphatic C16-C21	10.236	13.612	666546595	4620	300	ug/ml
Aliphatic C21-C28	13.613	17.286	258350689	1920	400	ug/ml
Aliphatic C28-C40	17.287	22.206	11772459	94.743	600	ug/ml
Aliphatic EPH	3.141	22.206	1061174625	7450		ug/ml
ortho-Terphenyl (SURR)	11.908	11.908	7508457	46.1		ug/ml
1-chlorooctadecane (SURR)	13.354	13.354	4659846	38.82		ug/ml
Aliphatic C9-C28	3.141	17.286	1049402166	7350	1200	ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5DL	SDG No.:	Q1675
Lab Sample ID:	Q1675-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053090.D	20	03/31/25	04/01/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	595		19.8	86.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.1	J	25.6	43.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	2.09		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.41		40 - 140	96%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-05DL	Acq On:	01 Apr 2025 08:15
Client Sample ID:	P5DL	Operator:	YP\AJ
Data file:	FE053090.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	352168	2.257	300	ug/ml
Aliphatic C12-C16	6.783	10.232	6796519	44.239	200	ug/ml
Aliphatic C16-C21	10.233	13.609	40357838	279.608	300	ug/ml
Aliphatic C21-C28	13.610	17.278	11838791	88.121	400	ug/ml
Aliphatic C28-C40	17.279	22.189	3014687	24.262	600	ug/ml
Aliphatic EPH	3.141	22.189	62360003	438.487		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	393234	2.41		ug/ml
1-chlorooctadecane (SURR)	13.339	13.339	251156	2.09		ug/ml
Aliphatic C9-C28	3.141	17.278	59345316	414.225	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P6		SDG No.:	Q1675	
Lab Sample ID:	Q1675-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 19:34	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	12.9		1	0.96	4.20	mg/kg	FE053080.D
Total EPH	Total EPH	12.9			0.96	4.20	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/27/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	P6		SDG No.:	Q1675	
Lab Sample ID:	Q1675-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053080.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.9		0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.12		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-06	Acq On:	31 Mar 2025 19:34
Client Sample ID:	P6	Operator:	YP\AJ
Data file:	FE053080.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	770262	4.937	300	ug/ml
Aliphatic C12-C16	6.785	10.235	3991495	25.981	200	ug/ml
Aliphatic C16-C21	10.236	13.612	17114426	118.573	300	ug/ml
Aliphatic C21-C28	13.613	17.286	4645224	34.576	400	ug/ml
Aliphatic C28-C40	17.287	22.206	7301744	58.763	600	ug/ml
Aliphatic EPH	3.141	22.206	33823151	242.83		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	5260824	32.3		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	3873486	32.27		ug/ml
Aliphatic C9-C28	3.141	17.286	26521407	184.067	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K1P		SDG No.:	Q1675	
Lab Sample ID:	Q1675-18		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.8	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	04/01/25 8:45	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	100		2	2.14	9.41	mg/kg	FE053091.D
Total EPH	Total EPH	100			2.14	9.41	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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
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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K1P		SDG No.:	Q1675	
Lab Sample ID:	Q1675-18		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.8	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053081.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		96.6	E	1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		35.4		1.39	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.1		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-18	Acq On:	31 Mar 2025 20:04
Client Sample ID:	K1P	Operator:	YP\AJ
Data file:	FE053081.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	1001491	6.418	300	ug/ml
Aliphatic C12-C16	6.785	10.235	20097995	130.82	200	ug/ml
Aliphatic C16-C21	10.236	13.612	112301474	778.049	300	ug/ml
Aliphatic C21-C28	13.613	17.286	42467684	316.103	400	ug/ml
Aliphatic C28-C40	17.287	22.206	56157369	451.947	600	ug/ml
Aliphatic EPH	3.141	22.206	232026013	1680		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	6246381	38.35		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	4572689	38.09		ug/ml
Aliphatic C9-C28	3.141	17.286	175868644	1230	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K1PDL		SDG No.:	Q1675	
Lab Sample ID:	Q1675-18DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.8	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053091.D	2	03/31/25	04/01/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	100		2.14	9.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.4		2.78	4.71	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	17.2		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	18.8		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-18DL	Acq On:	01 Apr 2025 08:45
Client Sample ID:	K1PDL	Operator:	YP\AJ
Data file:	FE053091.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	211084	1.353	300	ug/ml
Aliphatic C12-C16	6.783	10.232	14046035	91.427	200	ug/ml
Aliphatic C16-C21	10.233	13.609	58907924	408.127	300	ug/ml
Aliphatic C21-C28	13.610	17.278	18759260	139.632	400	ug/ml
Aliphatic C28-C40	17.279	22.189	20882654	168.061	600	ug/ml
Aliphatic EPH	3.141	22.189	112806957	808.6		ug/ml
ortho-Terphenyl (SURR)	11.895	11.895	3064043	18.81		ug/ml
1-chlorooctadecane (SURR)	13.340	13.340	2066296	17.21		ug/ml
Aliphatic C9-C28	3.141	17.278	91924303	640.539	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-19		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.5	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 20:34	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	27.6		1	0.95	4.19	mg/kg	FE053082.D
Total EPH	Total EPH	27.6			0.95	4.19	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K1		SDG No.:	Q1675	
Lab Sample ID:	Q1675-19		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.5	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053082.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	27.6		0.95	4.19	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.53		1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-19	Acq On:	31 Mar 2025 20:34
Client Sample ID:	K1	Operator:	YP\AJ
Data file:	FE053082.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	880238	5.641	300	ug/ml
Aliphatic C12-C16	6.785	10.235	12724746	82.826	200	ug/ml
Aliphatic C16-C21	10.236	13.612	35231955	244.095	300	ug/ml
Aliphatic C21-C28	13.613	17.286	8613755	64.116	400	ug/ml
Aliphatic C28-C40	17.287	22.206	13422727	108.024	600	ug/ml
Aliphatic EPH	3.141	22.206	70873421	504.702		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5291056	32.48		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	3936751	32.79		ug/ml
Aliphatic C9-C28	3.141	17.286	57450694	396.678	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K2		SDG No.:	Q1675	
Lab Sample ID:	Q1675-20		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.7	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 21:04	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	7.78		1	0.95	4.17	mg/kg	FE053083.D
Total EPH	Total EPH	7.78			0.95	4.17	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K2		SDG No.:	Q1675	
Lab Sample ID:	Q1675-20		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.7	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053083.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.78		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.02		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-20	Acq On:	31 Mar 2025 21:04
Client Sample ID:	K2	Operator:	YP\AJ
Data file:	FE053083.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	667191	4.276	300	ug/ml
Aliphatic C12-C16	6.785	10.235	1346975	8.768	200	ug/ml
Aliphatic C16-C21	10.236	13.612	10393979	72.012	300	ug/ml
Aliphatic C21-C28	13.613	17.286	3624938	26.982	400	ug/ml
Aliphatic C28-C40	17.287	22.206	8976869	72.245	600	ug/ml
Aliphatic EPH	3.141	22.206	25009952	184.282		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	4806048	29.51		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	3599127	29.98		ug/ml
Aliphatic C9-C28	3.141	17.286	16033083	112.038	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-21		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.9	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 21:34	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	6.59		1	0.95	4.17	mg/kg	FE053084.D
Total EPH	Total EPH	6.59			0.95	4.17	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	03/28/25	
Project:	Stockton		Date Received:	03/28/25	
Client Sample ID:	K3		SDG No.:	Q1675	
Lab Sample ID:	Q1675-21		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.9	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053084.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.59		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.77		1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-21	Acq On:	31 Mar 2025 21:34
Client Sample ID:	K3	Operator:	YP\AJ
Data file:	FE053084.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	313372	2.008	300	ug/ml
Aliphatic C12-C16	6.785	10.235	741011	4.823	200	ug/ml
Aliphatic C16-C21	10.236	13.612	11580639	80.233	300	ug/ml
Aliphatic C21-C28	13.613	17.286	1311114	9.759	400	ug/ml
Aliphatic C28-C40	17.287	22.206	6742412	54.262	600	ug/ml
Aliphatic EPH	3.141	22.206	20688548	151.086		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	6146059	37.73		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4634958	38.61		ug/ml
Aliphatic C9-C28	3.141	17.286	13946136	96.823	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Run Number: FE033125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167382BL	77	78		0
PB167382BS	81	80		0
PB167382BSD	79	77		0
P1	81	81		0
P2	77	77		0
P2MS	66	64		0
P2MSD	69	67		0
P3	65	66		0
P5	78	92		0
P6	65	65		0
K1P	76	77		0
K1	66	65		0
K2	60	59		0
K3	77	75		0

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Run Number: FE040125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
P5DL	84	96		0
K1PDL	69	75		0

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

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

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1675 **SAS No :** Q1675 **SDG No:** Q1675

Sample No : Q1675-02MS **Datafile:** FE053076.D

Client ID : P2MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	31.0	1.51	29.7	91		(40-140)
Aliphatic C9-C28	103.4	1.56	77.0	73		(40-140)

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1675 **SAS No :** Q1675 **SDG No:** Q1675

Sample No : Q1675-02MSD **Datafile:** FE053077.D

Client ID : P2MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	31.0	1.51	32.9	101		10 |	(40-140)	25
Aliphatic C9-C28	103.4	1.56	83.4	79		8 |	(40-140)	25

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1675 **SAS No :** Q1675 **SDG No:** Q1675

Sample No : PB167382BS **Datafile:** FE053072.D

Client ID : PB167382BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	26.3	88		(40-140)
Aliphatic C9-C28	99.9	78.4	79		(40-140)

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1675 **SAS No :** Q1675 **SDG No:** Q1675

Sample No : PB167382BSD **Datafile:** FE053073.D

Client ID : PB167382BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	26.4	88		0.29|	(40-140)	50
Aliphatic C9-C28	99.9	76.9	77		2.1|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167382BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Instrument ID: FID_E Lab Sample ID: PB167382BL

Matrix: (soil/water) Solid Date Extracted: 3/31/2025 9:40:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167382BS	PB167382BS
PB167382BSD	PB167382BSD
P1	Q1675-01
P2	Q1675-02
P2MS	Q1675-02MS
P2MSD	Q1675-02MSD
P3	Q1675-03
P5	Q1675-05
P6	Q1675-06
K1P	Q1675-18
K1	Q1675-19
K2	Q1675-20
K3	Q1675-21

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167382BL			SDG No.:	Q1675
Lab Sample ID:	PB167382BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 15:01	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE053071.D
Total EPH	Total EPH	0.91	U		0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167382BL		SDG No.:	Q1675	
Lab Sample ID:	PB167382BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053071.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.2		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167382BL	Acq On:	31 Mar 2025 15:01
Client Sample ID:	PB167382BL	Operator:	YP\AJ
Data file:	FE053071.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	0	0	300	ug/ml
Aliphatic C12-C16	6.785	10.235	0	0	200	ug/ml
Aliphatic C16-C21	10.236	13.612	0	0	300	ug/ml
Aliphatic C21-C28	13.613	17.286	0	0	400	ug/ml
Aliphatic C28-C40	17.287	22.206	0	0	600	ug/ml
Aliphatic EPH	3.141	22.206	0	0		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	6391951	39.24		ug/ml
1-chlorooctadecane (SURR)	13.346	13.346	4638531	38.64		ug/ml
Aliphatic C9-C28	3.141	17.286	0	0	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167382BS		SDG No.:	Q1675	
Lab Sample ID:	PB167382BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 15:31	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	78.4		1	0.91	3.99	mg/kg	FE053072.D
Total EPH	Total EPH	78.4			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167382BS		SDG No.:	Q1675	
Lab Sample ID:	PB167382BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053072.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	78.4		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.8		40 - 140	80%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167382BS	Acq On:	31 Mar 2025 15:31
Client Sample ID:	PB167382BS	Operator:	YP\AJ
Data file:	FE053072.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	33700124	215.982	300	ug/ml
Aliphatic C12-C16	6.785	10.235	38648785	251.568	200	ug/ml
Aliphatic C16-C21	10.236	13.612	42441477	294.044	300	ug/ml
Aliphatic C21-C28	13.613	17.286	55753172	414.992	400	ug/ml
Aliphatic C28-C40	17.287	22.206	48988173	394.25	600	ug/ml
Aliphatic EPH	3.141	22.206	219531731	1570		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	6480100	39.78		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	4851572	40.41		ug/ml
Aliphatic C9-C28	3.141	17.286	170543558	1180	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167382BSD		SDG No.:	Q1675	
Lab Sample ID:	PB167382BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 16:01	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	76.9		1	0.91	3.99	mg/kg	FE053073.D
Total EPH	Total EPH	76.9			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167382BSD		SDG No.:	Q1675	
Lab Sample ID:	PB167382BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053073.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.9		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167382BSD	Acq On:	31 Mar 2025 16:01
Client Sample ID:	PB167382BSD	Operator:	YP\AJ
Data file:	FE053073.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	32939016	211.104	300	ug/ml
Aliphatic C12-C16	6.785	10.235	37863605	246.457	200	ug/ml
Aliphatic C16-C21	10.236	13.612	41693618	288.863	300	ug/ml
Aliphatic C21-C28	13.613	17.286	54940860	408.946	400	ug/ml
Aliphatic C28-C40	17.287	22.206	49216425	396.087	600	ug/ml
Aliphatic EPH	3.141	22.206	216653524	1550		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	6298065	38.67		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	4727254	39.38		ug/ml
Aliphatic C9-C28	3.141	17.286	167437099	1160	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	P2MS		SDG No.:	Q1675	
Lab Sample ID:	Q1675-02MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	96.5	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 17:33	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	77.0		1	0.94	4.13	mg/kg	FE053076.D
Total EPH	Total EPH	77.0			0.94	4.13	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	P2MS		SDG No.:	Q1675	
Lab Sample ID:	Q1675-02MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	96.5	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053076.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	77.0		0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.7		1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-02MS	Acq On:	31 Mar 2025 17:33
Client Sample ID:	P2MS	Operator:	YP\AJ
Data file:	FE053076.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	31970901	204.899	300	ug/ml
Aliphatic C12-C16	6.785	10.235	36804339	239.563	200	ug/ml
Aliphatic C16-C21	10.236	13.612	40318663	279.337	300	ug/ml
Aliphatic C21-C28	13.613	17.286	52826138	393.205	400	ug/ml
Aliphatic C28-C40	17.287	22.206	53445809	430.124	600	ug/ml
Aliphatic EPH	3.141	22.206	215365850	1550		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	5216005	32.02		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	3940136	32.82		ug/ml
Aliphatic C9-C28	3.141	17.286	161920041	1120	1200	ug/ml

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	P2MSD			SDG No.:	Q1675
Lab Sample ID:	Q1675-02MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	96.5
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 09:40	03/31/25 18:03	PB167382

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	83.4	E	1	0.94	4.13	mg/kg	FE053077.D
Total EPH	Total EPH	83.4			0.94	4.13	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	P2MSD		SDG No.:	Q1675	
Lab Sample ID:	Q1675-02MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	96.5	
Sample Wt/Vol:	30.04 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053077.D	1	03/31/25	03/31/25	PB167382

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	83.4	E	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.9		1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1675-02MSD	Acq On:	31 Mar 2025 18:03
Client Sample ID:	P2MSD	Operator:	YP\AJ
Data file:	FE053077.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.784	33557381	215.067	300	ug/ml
Aliphatic C12-C16	6.785	10.235	38548845	250.918	200	ug/ml
Aliphatic C16-C21	10.236	13.612	47750730	330.828	300	ug/ml
Aliphatic C21-C28	13.613	17.286	55508159	413.169	400	ug/ml
Aliphatic C28-C40	17.287	22.206	59201020	476.442	600	ug/ml
Aliphatic EPH	3.141	22.206	234566135	1690		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5448289	33.45		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4113814	34.27		ug/ml
Aliphatic C9-C28	3.141	17.286	175365115	1210	1200	ug/ml

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FE032925AL

AreaCount

Parameter Range	FE053057.D	FE053058.D	FE053059.D	FE053060.D	FE053061.D	
Aliphatic C9-C12	43787496.000	22390350.000	9414081.000	5050690.000	2395142.000	
Aliphatic C12-C16	28597843.000	14617182.000	6190316.000	3307237.000	1588761.000	
Aliphatic C16-C21	40121868.000	20531609.000	8737089.000	4659997.000	2251765.000	
Aliphatic C21-C28	49794778.000	25504658.000	10797701.000	5797240.000	2796495.000	
Aliphatic C28-C40	68763224.000	35322416.000	14910911.000	8043699.000	3918511.000	
Aliphatic EPH	231065209.000	118366215.000	50050098.000	26858863.000	12950674.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	156032.2273332	5.671				
Aliphatic C12-C16	153631.377	5.959				
Aliphatic C16-C21	144337.2006664	6.235				
Aliphatic C21-C28	134347.4495	6.296				
Aliphatic C28-C40	124256.6069996	6.639				
Aliphatic EPH	138405.5821106	6.211				

Concentration

Parameter Range	FE053057.D	FE053058.D	FE053059.D	FE053060.D	FE053061.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	FE053057.D	FE053058.D	FE053059.D	FE053060.D	FE053061.D	
Aliphatic C9-C12	145958.320000	149269.000000	156901.350000	168356.333333	159676.133333	
Aliphatic C12-C16	142989.215000	146171.820000	154757.900000	165361.850000	158876.100000	
Aliphatic C16-C21	133739.560000	136877.393333	145618.150000	155333.233333	150117.666666	

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Inital Calibration Report for SequenceID : FE032925AL

Aliphatic C21-C28	124486.945000	127523.290000	134971.262500	144931.000000	139824.750000	
Aliphatic C28-C40	114605.373333	117741.386666	124257.591666	134061.650000	130617.033333	
Aliphatic EPH	128369.560555	131518.016666	139028.050000	149215.905555	143896.377777	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053057.D
Signal(s) : FID1B.ch
Acq On : 28 Mar 2025 23:09
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 31 02:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 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)	11.905	15124462	92.180 ug/ml
Spiked Amount	50.000		Recovery =	184.36%
12) S	1-chlorooctadecane (S...	13.346	11256528	93.004 ug/ml
Spiked Amount	50.000		Recovery =	186.01%
	Target Compounds			
1) T	n-Nonane (C9)	3.245	14467051	92.982 ug/ml
2) T	n-Decane (C10)	4.507	14671828	92.985 ug/ml
3) T	A~Naphthalene (C11.7)	6.219	15876340	93.560 ug/ml
4) T	n-Dodecane (C12)	6.687	14648617	93.109 ug/ml
5) T	A~2-methylnaphthalene...	7.322	15149487	93.605 ug/ml
6) T	n-Tetradecane (C14)	8.524	14259186	92.600 ug/ml
7) T	n-Hexadecane (C16)	10.139	14338657	92.193 ug/ml
8) T	n-Octadecane (C18)	11.588	14068370	91.866 ug/ml
10) T	n-Eicosane (C20)	12.901	13195143	91.680 ug/ml
11) T	n-Heneicosane (C21)	13.515	12858355	91.984 ug/ml
13) T	n-Docosane (C22)	14.102	12690489	92.035 ug/ml
14) T	n-Tetracosane (C24)	15.208	12543071	92.480 ug/ml
15) T	n-Hexacosane (C26)	16.232	12367318	92.203 ug/ml
16) T	n-Octacosane (C28)	17.184	12193900	92.212 ug/ml
17) T	n-Tricontane (C30)	18.074	12479859	92.084 ug/ml
18) T	n-Dotriacontane (C32)	18.907	12339520	91.923 ug/ml
19) T	n-Tetratriacontane (C34)	19.692	11894139	92.113 ug/ml
20) T	n-Hexatriacontane (C36)	20.434	11060374	93.779 ug/ml
21) T	n-Octatriacontane (C38)	21.172	10654154	92.570 ug/ml
22) T	n-Tetracontane (C40)	22.088	10335178	90.961 ug/ml

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

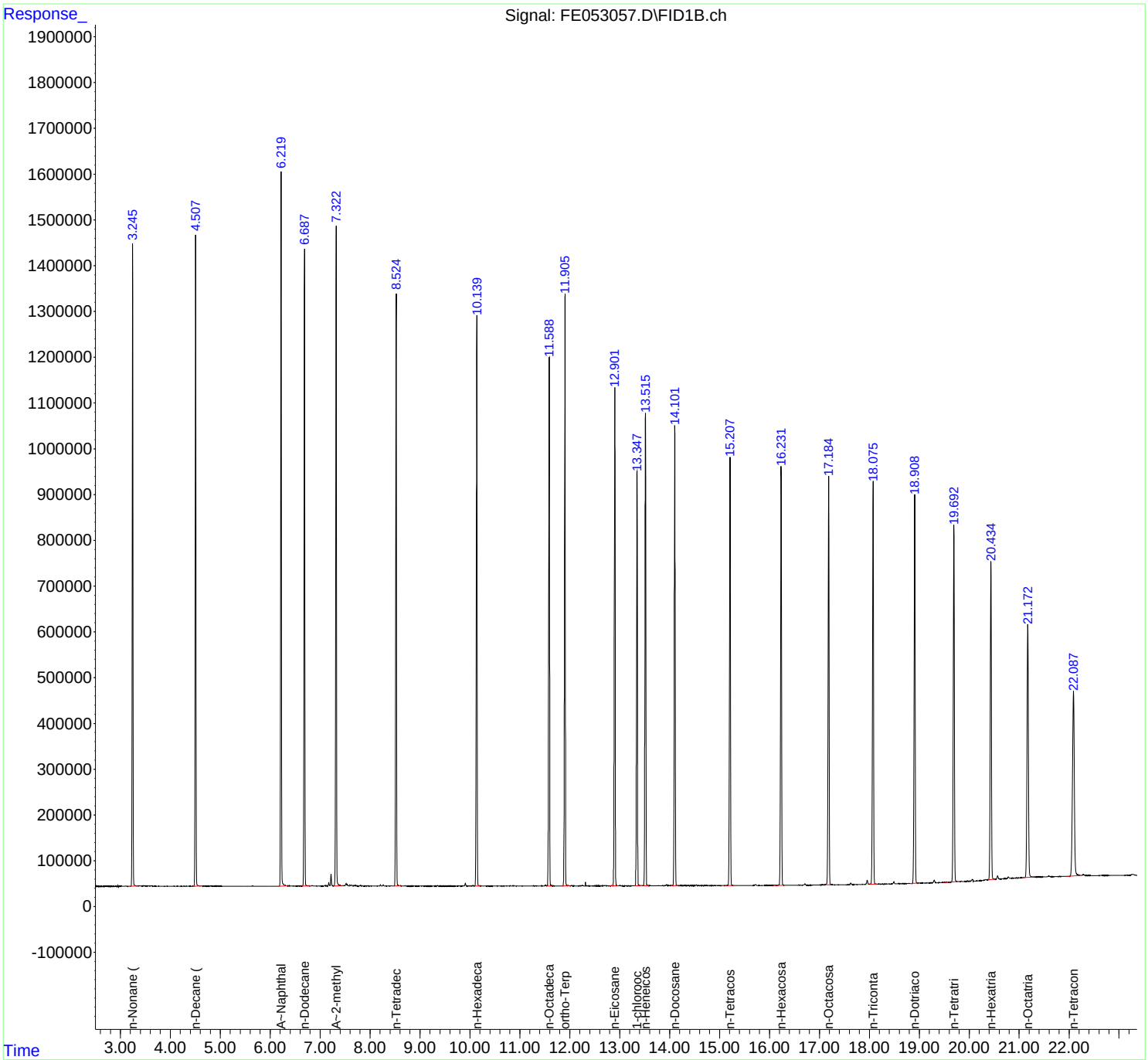
Quantitation Report (QT Reviewed)

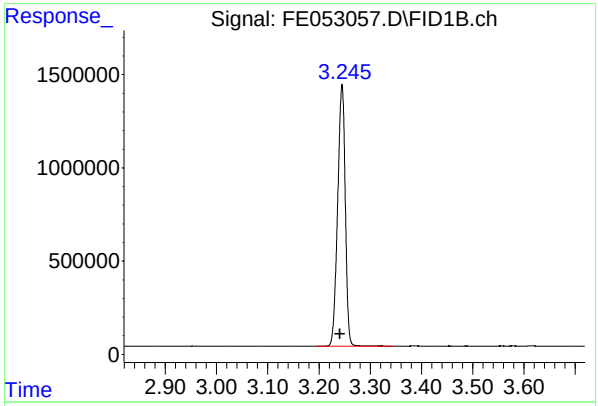
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053057.D
Signal(s) : FID1B.ch
Acq On : 28 Mar 2025 23:09
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 31 02:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

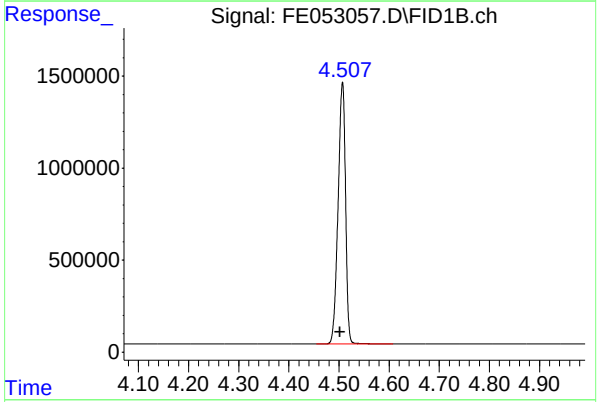




#1 n-Nonane (C9)

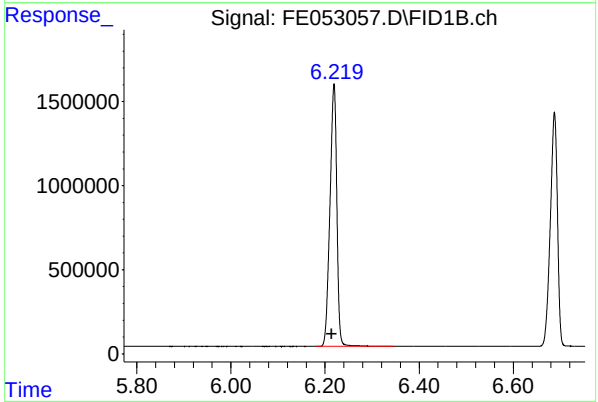
R.T.: 3.245 min
Delta R.T.: 0.004 min
Response: 14467051
Conc: 92.98 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



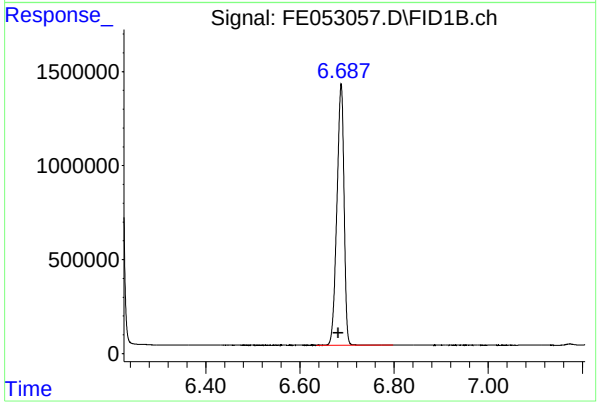
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: 0.005 min
Response: 14671828
Conc: 92.99 ug/ml



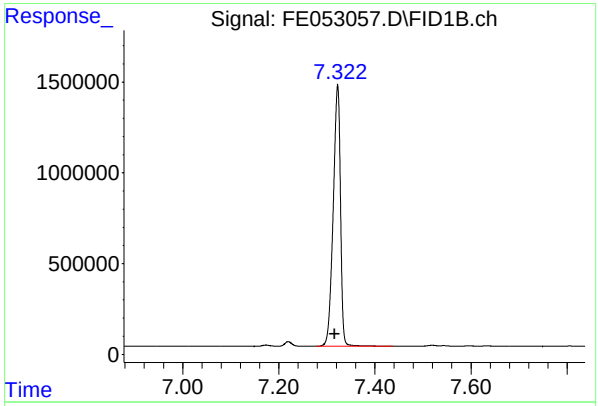
#3 A~Naphthalene (C11.7)

R.T.: 6.219 min
Delta R.T.: 0.005 min
Response: 15876340
Conc: 93.56 ug/ml



#4 n-Dodecane (C12)

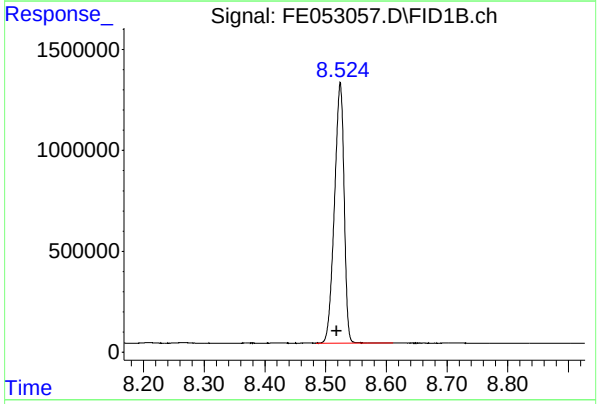
R.T.: 6.687 min
Delta R.T.: 0.005 min
Response: 14648617
Conc: 93.11 ug/ml



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

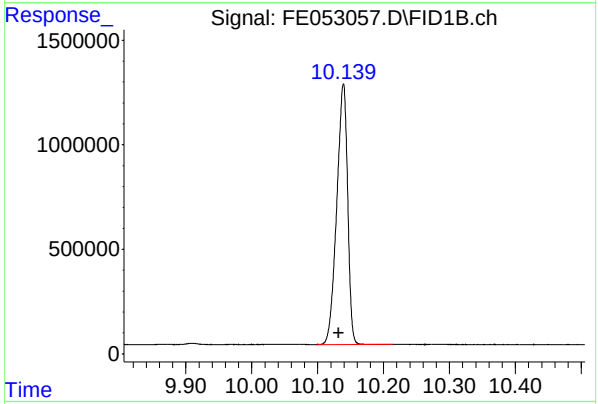
R.T.: 7.322 min
Delta R.T.: 0.006 min
Response: 15149487
Conc: 93.60 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



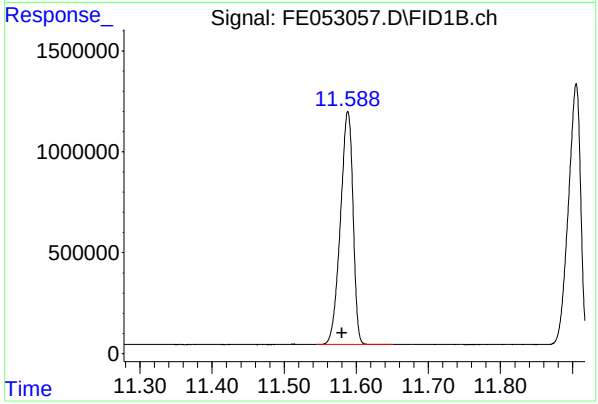
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: 0.006 min
Response: 14259186
Conc: 92.60 ug/ml



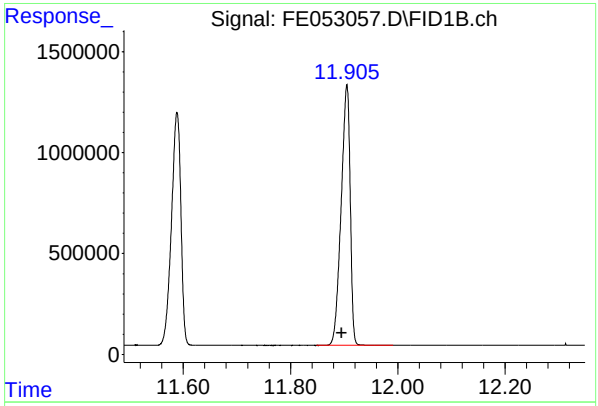
#7 n-Hexadecane (C16)

R.T.: 10.139 min
Delta R.T.: 0.007 min
Response: 14338657
Conc: 92.19 ug/ml



#8 n-Octadecane (C18)

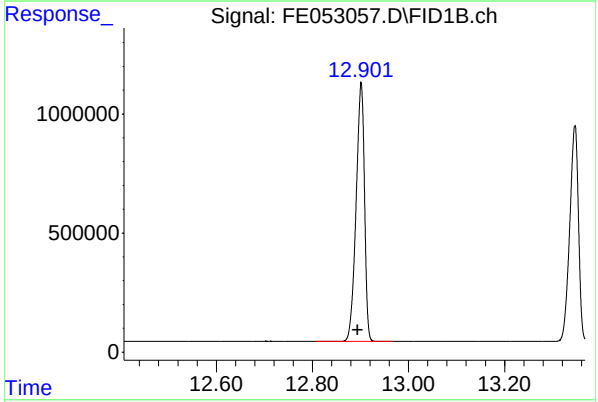
R.T.: 11.588 min
Delta R.T.: 0.008 min
Response: 14068370
Conc: 91.87 ug/ml



#9 ortho-Terphenyl (SURR)

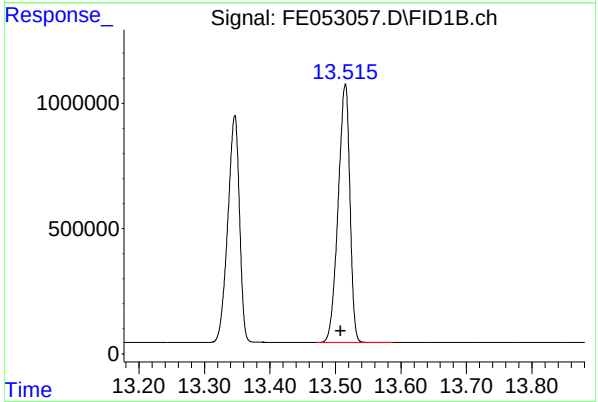
R.T.: 11.905 min
Delta R.T.: 0.009 min
Response: 15124462
Conc: 92.18 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



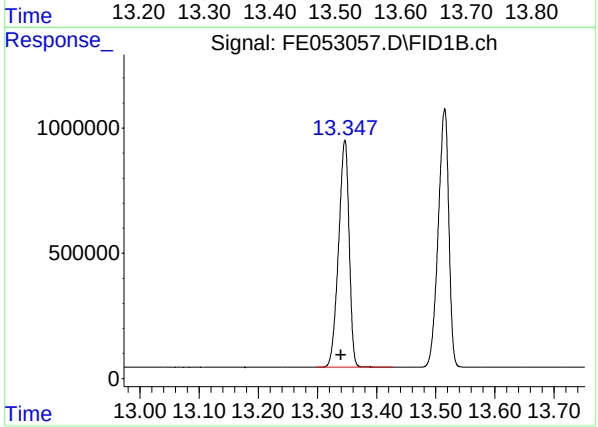
#10 n-Eicosane (C20)

R.T.: 12.901 min
Delta R.T.: 0.007 min
Response: 13195143
Conc: 91.68 ug/ml



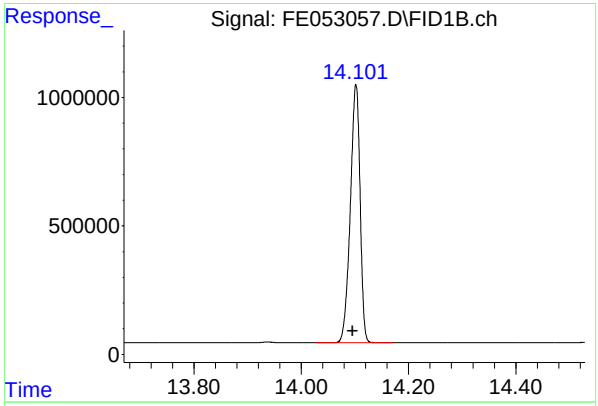
#11 n-Heneicosane (C21)

R.T.: 13.515 min
Delta R.T.: 0.007 min
Response: 12858355
Conc: 91.98 ug/ml



#12 1-chlorooctadecane (SURR)

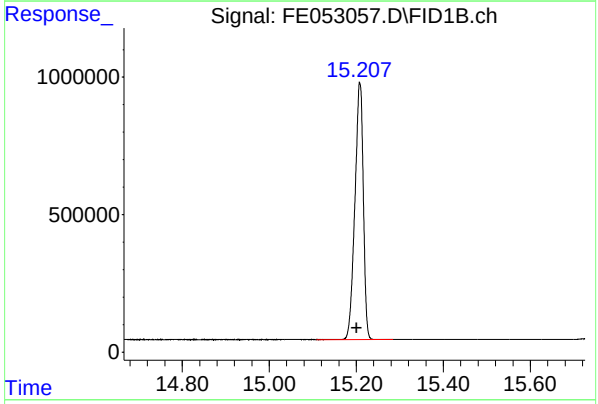
R.T.: 13.346 min
Delta R.T.: 0.006 min
Response: 11256528
Conc: 93.00 ug/ml



#13 n-Docosane (C22)

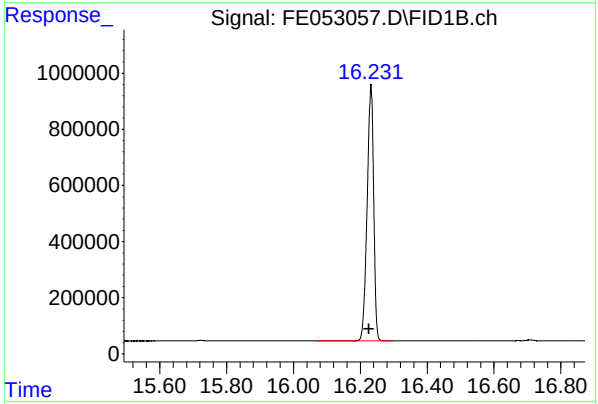
R.T.: 14.102 min
Delta R.T.: 0.006 min
Response: 12690489
Conc: 92.04 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



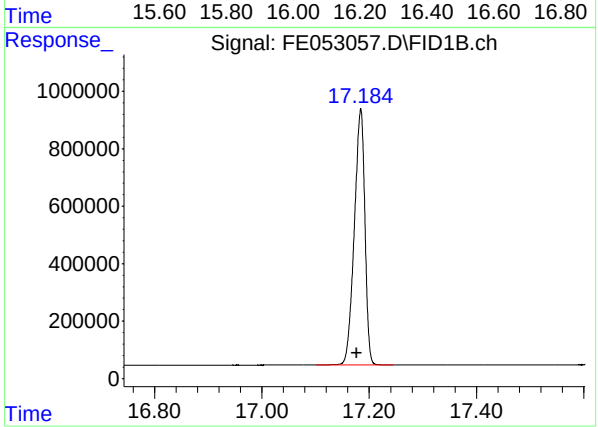
#14 n-Tetracosane (C24)

R.T.: 15.208 min
Delta R.T.: 0.007 min
Response: 12543071
Conc: 92.48 ug/ml



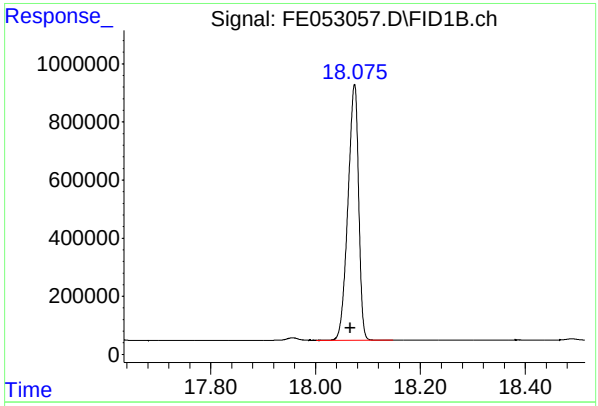
#15 n-Hexacosane (C26)

R.T.: 16.232 min
Delta R.T.: 0.006 min
Response: 12367318
Conc: 92.20 ug/ml



#16 n-Octacosane (C28)

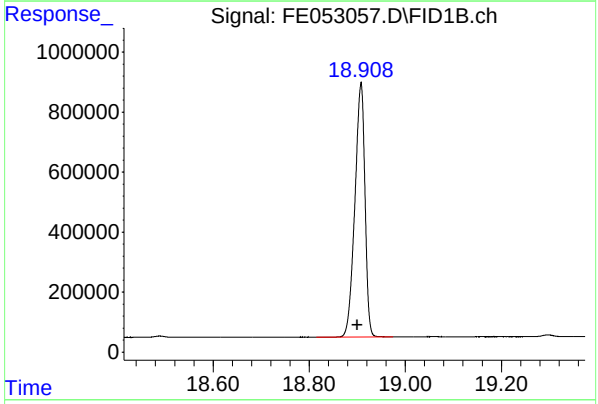
R.T.: 17.184 min
Delta R.T.: 0.007 min
Response: 12193900
Conc: 92.21 ug/ml



#17 n-Tricontane (C30)

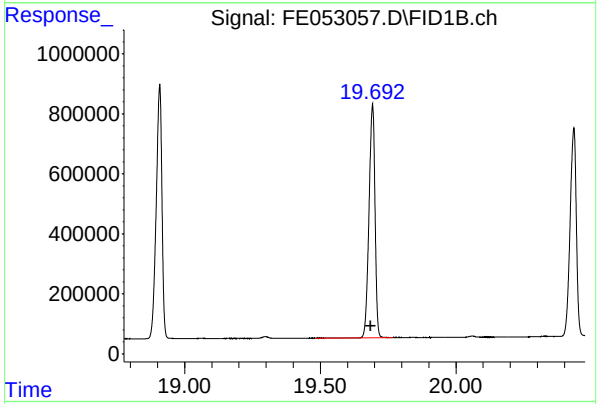
R.T.: 18.074 min
Delta R.T.: 0.008 min
Response: 12479859
Conc: 92.08 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



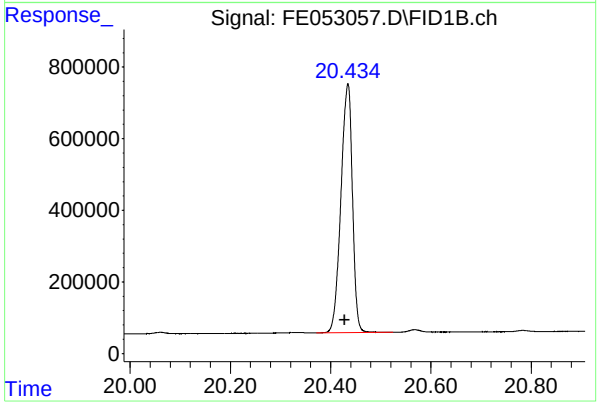
#18 n-Dotriacontane (C32)

R.T.: 18.907 min
Delta R.T.: 0.007 min
Response: 12339520
Conc: 91.92 ug/ml



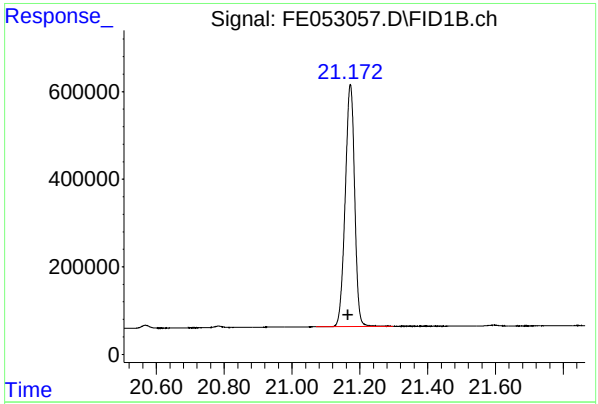
#19 n-Tetratriacontane (C34)

R.T.: 19.692 min
Delta R.T.: 0.006 min
Response: 11894139
Conc: 92.11 ug/ml



#20 n-Hexatriacontane (C36)

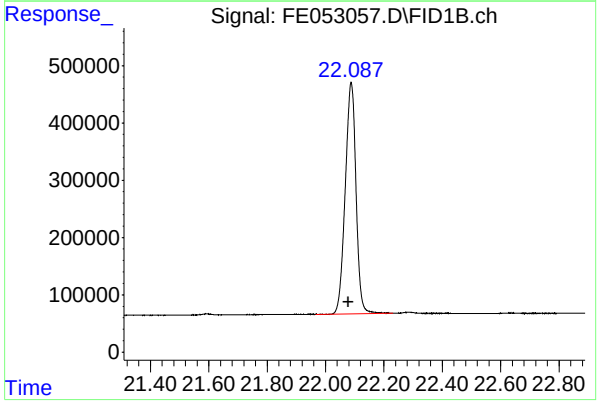
R.T.: 20.434 min
Delta R.T.: 0.006 min
Response: 11060374
Conc: 93.78 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: 0.007 min
Response: 10654154
Conc: 92.57 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.088 min
Delta R.T.: 0.009 min
Response: 10335178
Conc: 90.96 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053057.D
Signal(s) : FID1B.ch
Acq On : 28 Mar 2025 23:09
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.245	3.194	3.344	BB	1398509	14467051	91.12%	5.015%
2	4.507	4.454	4.608	BB	1434765	14671828	92.41%	5.086%
3	6.219	6.181	6.344	BB	1544923	15876340	100.00%	5.504%
4	6.687	6.634	6.798	BB	1392621	14648617	92.27%	5.078%
5	7.322	7.278	7.438	PV	1420555	15149487	95.42%	5.252%
6	8.524	8.484	8.611	BB	1293905	14259186	89.81%	4.943%
7	10.139	10.098	10.214	BB	1237096	14338657	90.31%	4.971%
8	11.588	11.544	11.651	BB	1155741	14068370	88.61%	4.877%
9	11.905	11.848	11.991	BB	1288723	15124462	95.26%	5.243%
10	12.901	12.808	12.968	BB	1085976	13195143	83.11%	4.574%
11	13.346	13.298	13.428	BV	917819	11256528	70.90%	3.902%
12	13.515	13.470	13.588	VB	1030730	12858355	80.99%	4.457%
13	14.102	14.028	14.171	BB	1004859	12690489	79.93%	4.399%
14	15.208	15.108	15.284	BB	938755	12543071	79.00%	4.348%
15	16.232	16.068	16.298	BB	904338	12367318	77.90%	4.287%
16	17.184	17.101	17.244	BB	893749	12193900	76.81%	4.227%
17	18.074	18.001	18.148	BB	884811	12479859	78.61%	4.326%
18	18.907	18.814	18.974	BB	847236	12339520	77.72%	4.278%
19	19.692	19.484	19.768	BB	773669	11894139	74.92%	4.123%
20	20.434	20.371	20.524	BB	696151	11060374	69.67%	3.834%
21	21.172	21.071	21.298	BB	553274	10654154	67.11%	3.693%
22	22.088	21.968	22.231	BV	404198	10335178	65.10%	3.583%
			Sum of corrected areas:			288472026		

Aliphatic EPH 032925.M Mon Mar 31 02:54:17 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053058.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:09
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 31 02:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 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)	11.899	7739554	47.171 ug/ml
Spiked Amount	50.000		Recovery =	94.34%
12)	S 1-chlorooctadecane (S...	13.342	5737088	47.401 ug/ml
Spiked Amount	50.000		Recovery =	94.80%
	Target Compounds			
1)	T n-Nonane (C9)	3.243	7405859	47.599 ug/ml
2)	T n-Decane (C10)	4.504	7507316	47.579 ug/ml
3)	T A~Naphthalene (C11.7)	6.215	8098490	47.725 ug/ml
4)	T n-Dodecane (C12)	6.684	7477175	47.526 ug/ml
5)	T A~2-methylnaphthalene...	7.318	7723061	47.719 ug/ml
6)	T n-Tetradecane (C14)	8.520	7290540	47.345 ug/ml
7)	T n-Hexadecane (C16)	10.134	7326642	47.108 ug/ml
8)	T n-Octadecane (C18)	11.583	7195583	46.987 ug/ml
10)	T n-Eicosane (C20)	12.896	6752815	46.919 ug/ml
11)	T n-Heneicosane (C21)	13.510	6583211	47.094 ug/ml
13)	T n-Docosane (C22)	14.098	6496795	47.117 ug/ml
14)	T n-Tetracosane (C24)	15.204	6423393	47.360 ug/ml
15)	T n-Hexacosane (C26)	16.228	6336602	47.242 ug/ml
16)	T n-Octacosane (C28)	17.179	6247868	47.247 ug/ml
17)	T n-Tricontane (C30)	18.068	6397526	47.205 ug/ml
18)	T n-Dotriacontane (C32)	18.902	6321218	47.090 ug/ml
19)	T n-Tetratriacontane (C34)	19.687	6102318	47.259 ug/ml
20)	T n-Hexatriacontane (C36)	20.429	5671223	48.086 ug/ml
21)	T n-Octatriacontane (C38)	21.167	5456156	47.406 ug/ml
22)	T n-Tetracontane (C40)	22.083	5373975	47.297 ug/ml

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

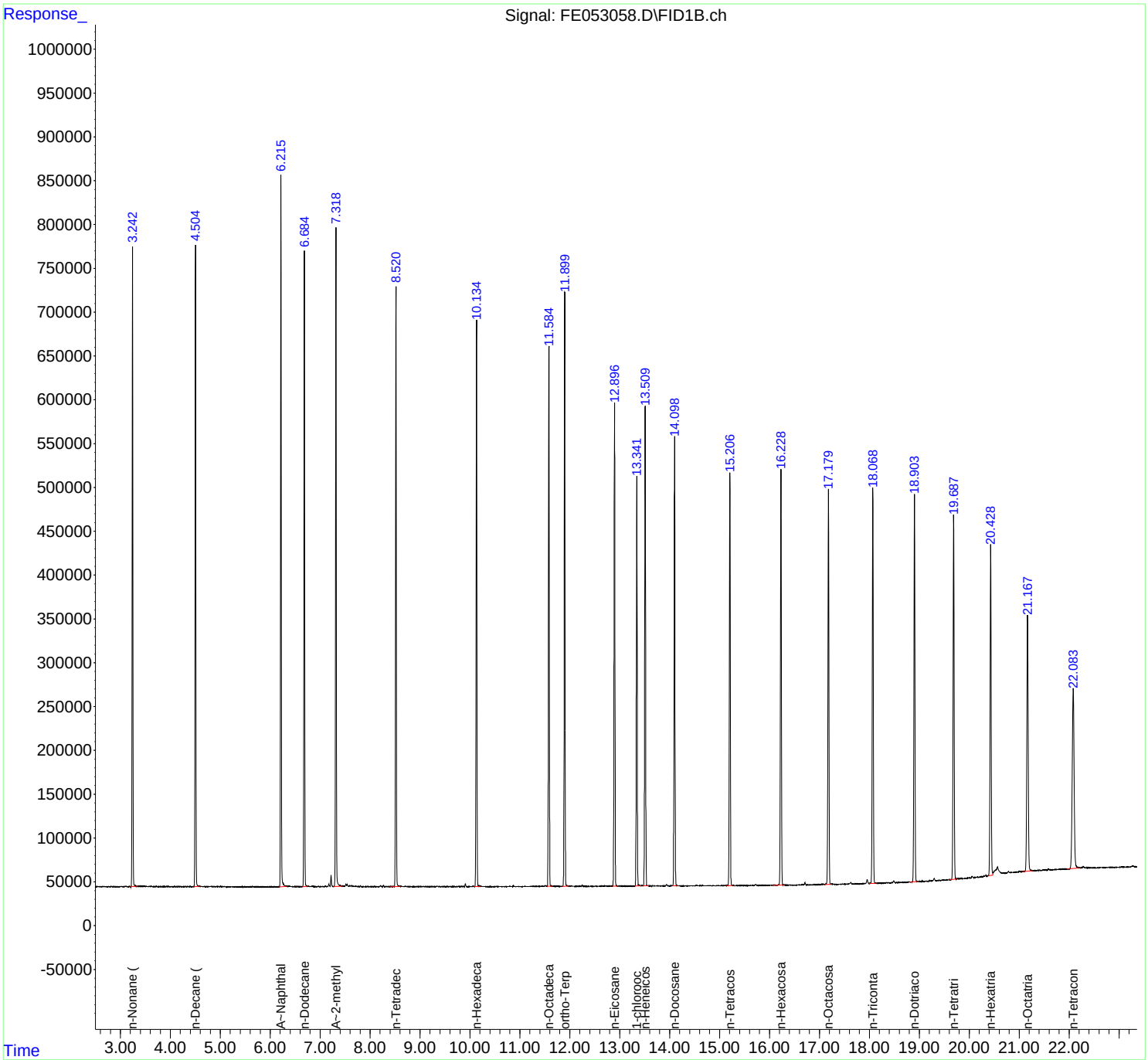
Quantitation Report (QT Reviewed)

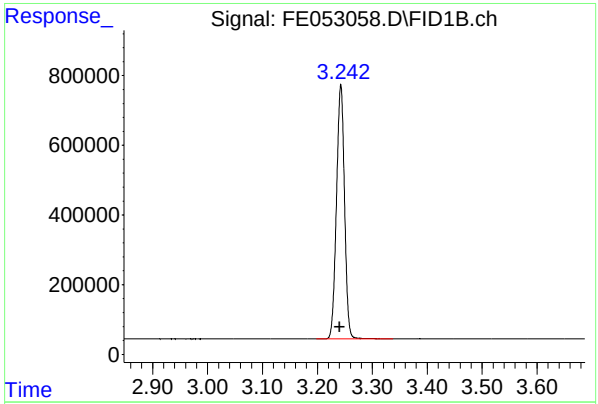
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053058.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:09
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 31 02:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

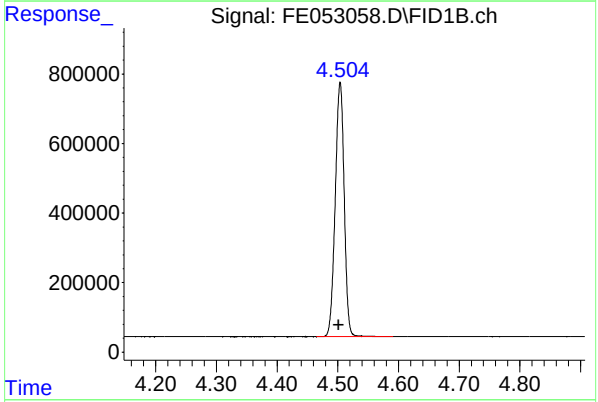




#1 n-Nonane (C9)

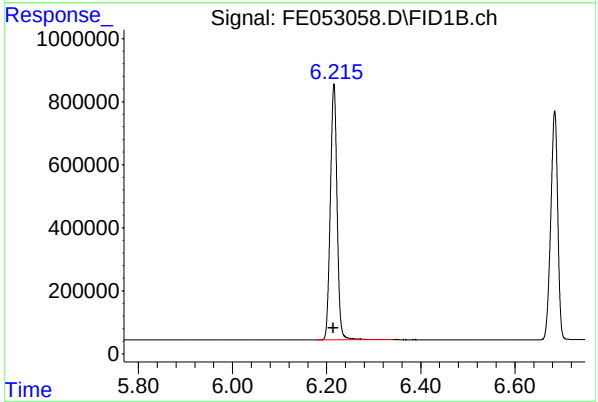
R.T.: 3.243 min
Delta R.T.: 0.002 min
Response: 7405859
Conc: 47.60 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



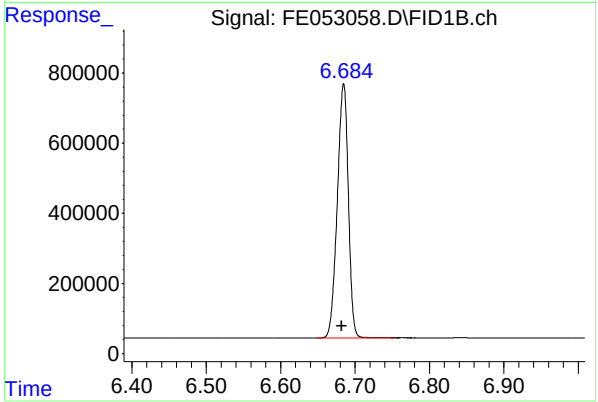
#2 n-Decane (C10)

R.T.: 4.504 min
Delta R.T.: 0.002 min
Response: 7507316
Conc: 47.58 ug/ml



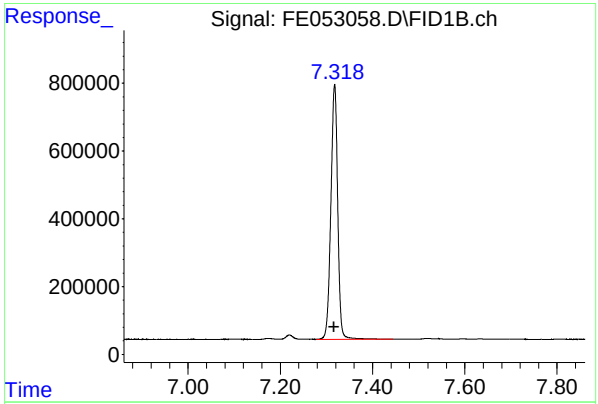
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.001 min
Response: 8098490
Conc: 47.72 ug/ml



#4 n-Dodecane (C12)

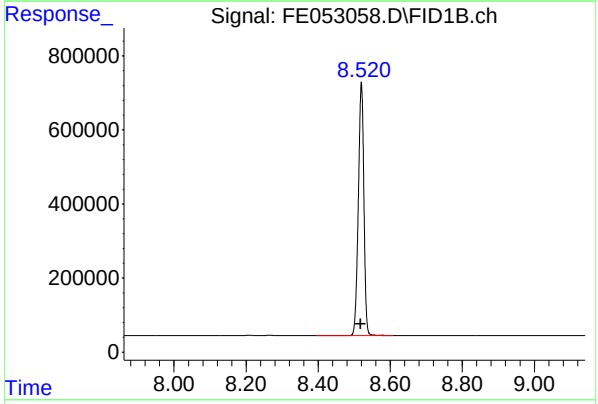
R.T.: 6.684 min
Delta R.T.: 0.002 min
Response: 7477175
Conc: 47.53 ug/ml



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

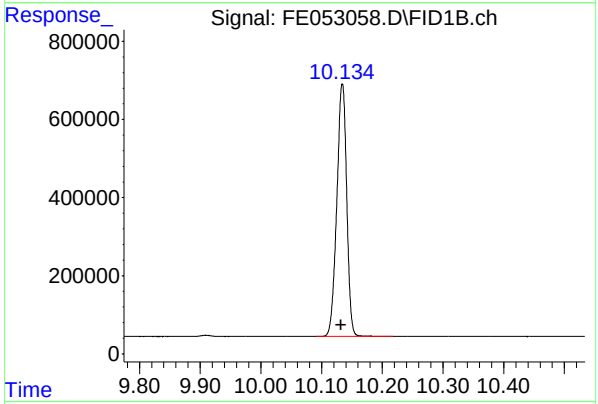
R.T.: 7.318 min
Delta R.T.: 0.002 min
Response: 7723061
Conc: 47.72 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



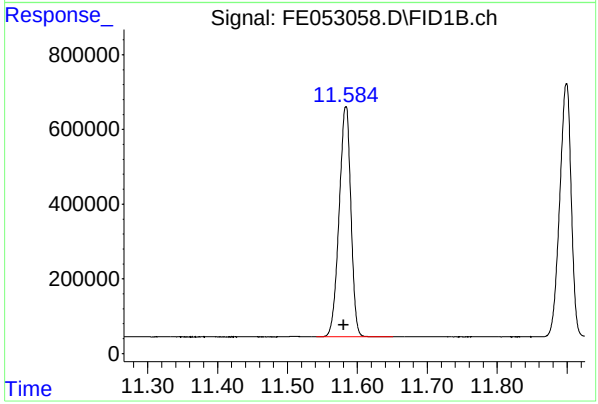
#6 n-Tetradecane (C14)

R.T.: 8.520 min
Delta R.T.: 0.002 min
Response: 7290540
Conc: 47.35 ug/ml



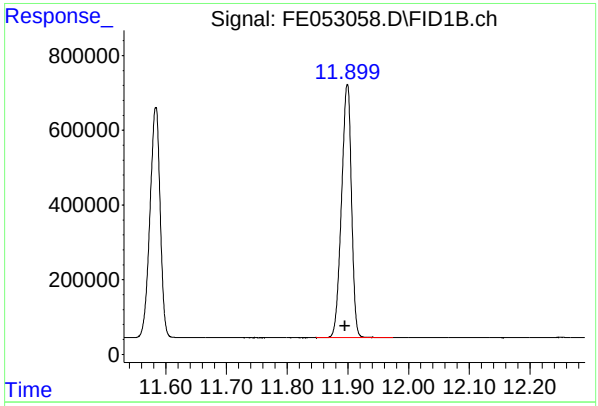
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: 0.002 min
Response: 7326642
Conc: 47.11 ug/ml



#8 n-Octadecane (C18)

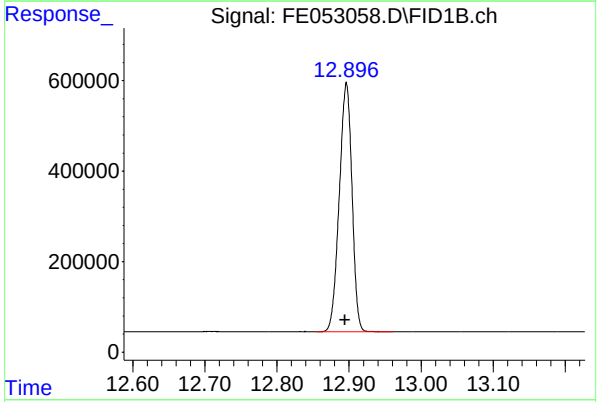
R.T.: 11.583 min
Delta R.T.: 0.003 min
Response: 7195583
Conc: 46.99 ug/ml



#9 ortho-Terphenyl (SURR)

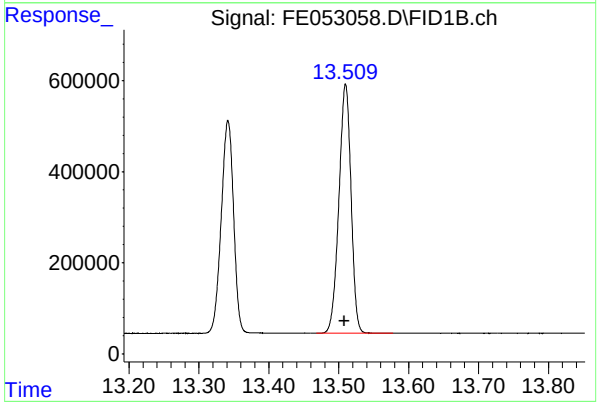
R.T.: 11.899 min
Delta R.T.: 0.004 min
Response: 7739554
Conc: 47.17 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



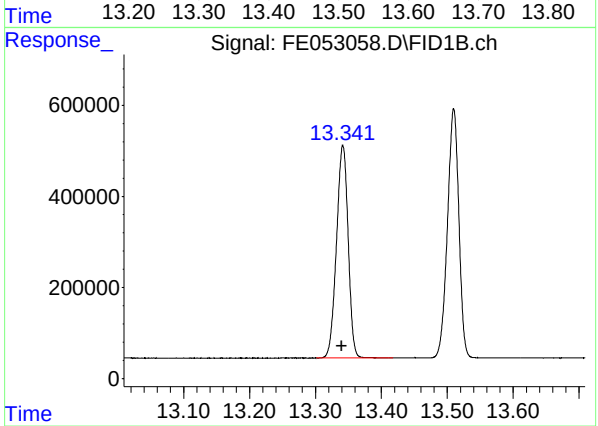
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: 0.002 min
Response: 6752815
Conc: 46.92 ug/ml



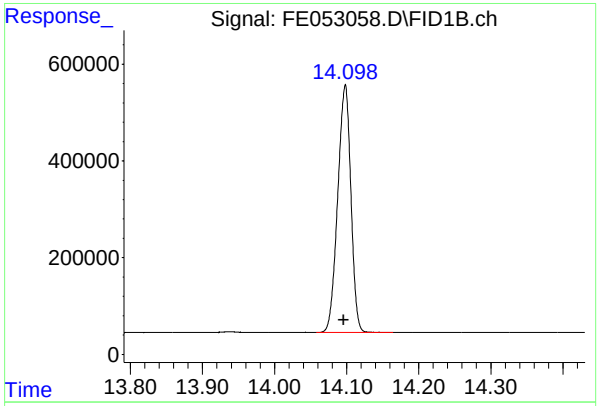
#11 n-Heneicosane (C21)

R.T.: 13.510 min
Delta R.T.: 0.002 min
Response: 6583211
Conc: 47.09 ug/ml



#12 1-chlorooctadecane (SURR)

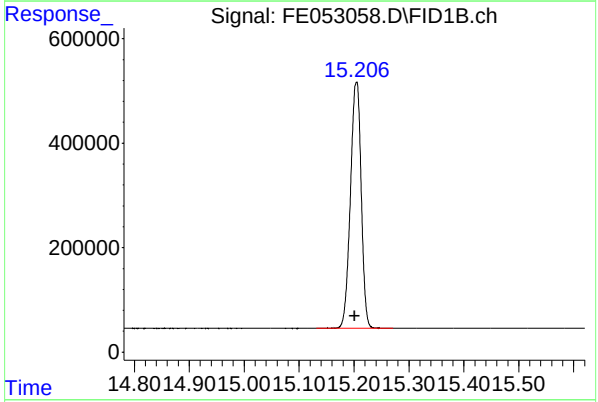
R.T.: 13.342 min
Delta R.T.: 0.002 min
Response: 5737088
Conc: 47.40 ug/ml



#13 n-Docosane (C22)

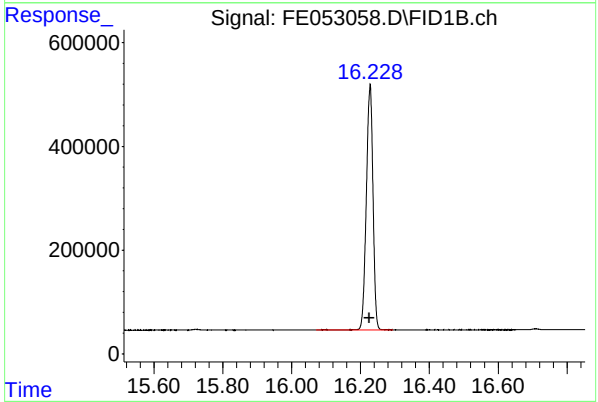
R.T.: 14.098 min
Delta R.T.: 0.002 min
Response: 6496795
Conc: 47.12 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



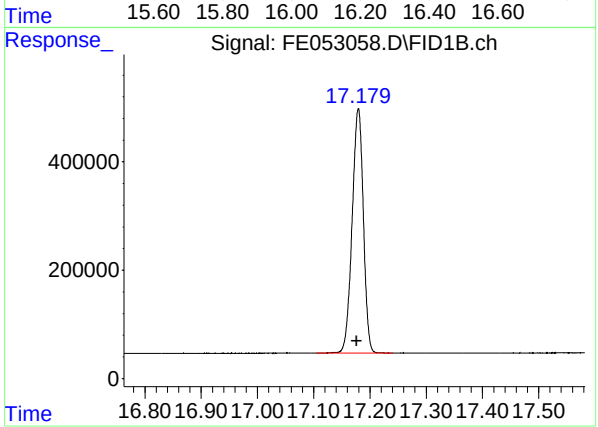
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: 0.003 min
Response: 6423393
Conc: 47.36 ug/ml



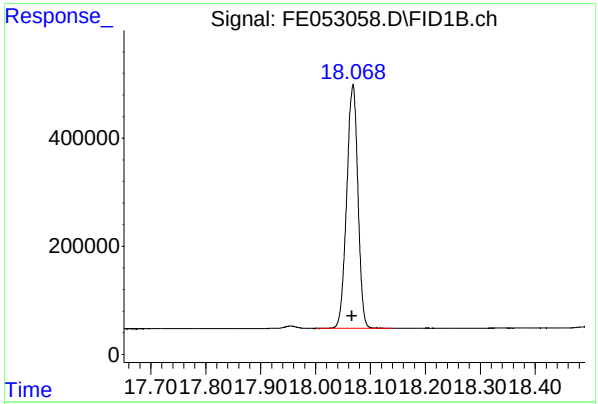
#15 n-Hexacosane (C26)

R.T.: 16.228 min
Delta R.T.: 0.002 min
Response: 6336602
Conc: 47.24 ug/ml



#16 n-Octacosane (C28)

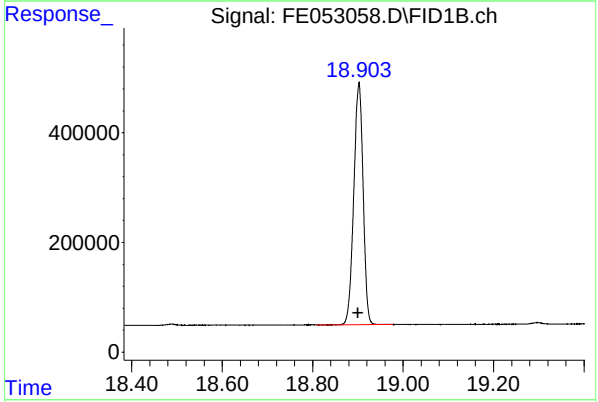
R.T.: 17.179 min
Delta R.T.: 0.003 min
Response: 6247868
Conc: 47.25 ug/ml



#17 n-Tricontane (C30)

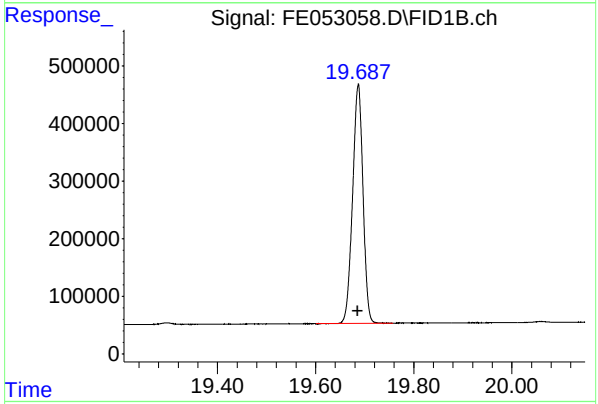
R.T.: 18.068 min
Delta R.T.: 0.001 min
Response: 6397526
Conc: 47.20 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



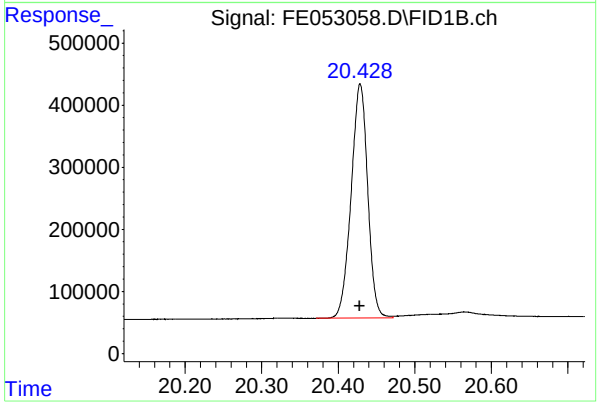
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: 0.002 min
Response: 6321218
Conc: 47.09 ug/ml



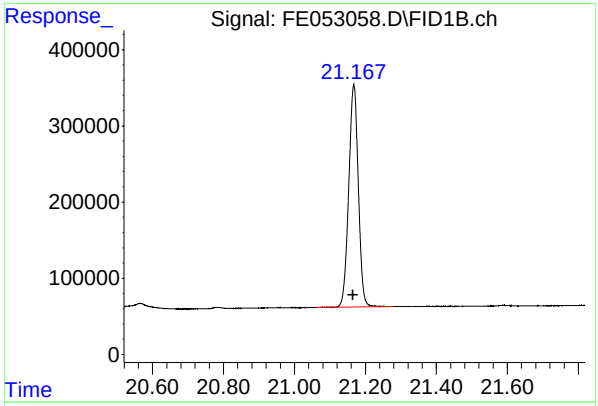
#19 n-Tetratriacontane (C34)

R.T.: 19.687 min
Delta R.T.: 0.000 min
Response: 6102318
Conc: 47.26 ug/ml



#20 n-Hexatriacontane (C36)

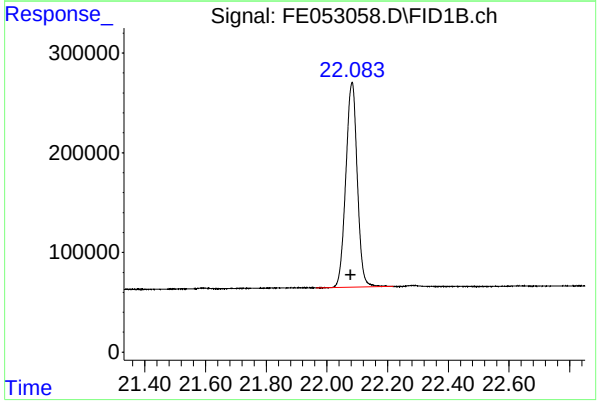
R.T.: 20.429 min
Delta R.T.: 0.000 min
Response: 5671223
Conc: 48.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.167 min
Delta R.T.: 0.002 min
Response: 5456156
Conc: 47.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.083 min
Delta R.T.: 0.004 min
Response: 5373975
Conc: 47.30 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053058.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:09
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.243	3.198	3.338	BB	730098	7405859	91.45%	5.015%
2	4.504	4.464	4.591	BB	732774	7507316	92.70%	5.084%
3	6.216	6.178	6.341	BB	807318	8098490	100.00%	5.484%
4	6.684	6.648	6.751	BB	725111	7477175	92.33%	5.064%
5	7.318	7.278	7.444	PV	750753	7723061	95.36%	5.230%
6	8.520	8.394	8.608	BB	681511	7290540	90.02%	4.937%
7	10.134	10.091	10.218	BB	648500	7326642	90.47%	4.962%
8	11.583	11.541	11.651	BB	623750	7195583	88.85%	4.873%
9	11.899	11.848	11.974	BB	678047	7739554	95.57%	5.241%
10	12.896	12.854	12.961	BB	550845	6752815	83.38%	4.573%
11	13.342	13.301	13.418	BB	466777	5737088	70.84%	3.885%
12	13.510	13.468	13.578	BB	548235	6583211	81.29%	4.458%
13	14.098	14.058	14.164	BB	510319	6496795	80.22%	4.400%
14	15.204	15.131	15.271	BB	471983	6423393	79.32%	4.350%
15	16.228	16.071	16.294	BB	471407	6336602	78.24%	4.291%
16	17.179	17.104	17.241	BB	453859	6247868	77.15%	4.231%
17	18.068	18.001	18.141	BB	448509	6397526	79.00%	4.332%
18	18.902	18.808	18.978	BB	436134	6321218	78.05%	4.281%
19	19.687	19.601	19.758	BB	416325	6102318	75.35%	4.133%
20	20.429	20.371	20.471	BV	376959	5671223	70.03%	3.841%
21	21.167	21.061	21.278	BB	291917	5456156	67.37%	3.695%
22	22.083	21.964	22.218	BB	206329	5373975	66.36%	3.639%
			Sum of corrected areas:			147664408		

Aliphatic EPH 032925.M Mon Mar 31 02:54:40 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053059.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 31 02:34:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 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)	11.895	3281499	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	13.340	2420661	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.241	3111803	20.000 ug/ml
2) T	n-Decane (C10)	4.502	3155729	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	6.214	3393831	20.000 ug/ml
4) T	n-Dodecane (C12)	6.682	3146549	20.000 ug/ml
5) T	A~2-methylnaphthalene...	7.316	3236897	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.518	3079745	20.000 ug/ml
7) T	n-Hexadecane (C16)	10.132	3110571	20.000 ug/ml
8) T	n-Octadecane (C18)	11.580	3062795	20.000 ug/ml
10) T	n-Eicosane (C20)	12.894	2878519	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.508	2795775	20.000 ug/ml
13) T	n-Docosane (C22)	14.096	2757743	20.000 ug/ml
14) T	n-Tetracosane (C24)	15.201	2712592	20.000 ug/ml
15) T	n-Hexacosane (C26)	16.225	2682626	20.000 ug/ml
16) T	n-Octacosane (C28)	17.177	2644740	20.000 ug/ml
17) T	n-Tricontane (C30)	18.066	2710540	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.900	2684745	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.686	2582519	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	20.428	2358807	20.000 ug/ml
21) T	n-Octatriacontane (C38)	21.165	2301865	20.000 ug/ml
22) T	n-Tetracontane (C40)	22.078	2272435	20.000 ug/ml

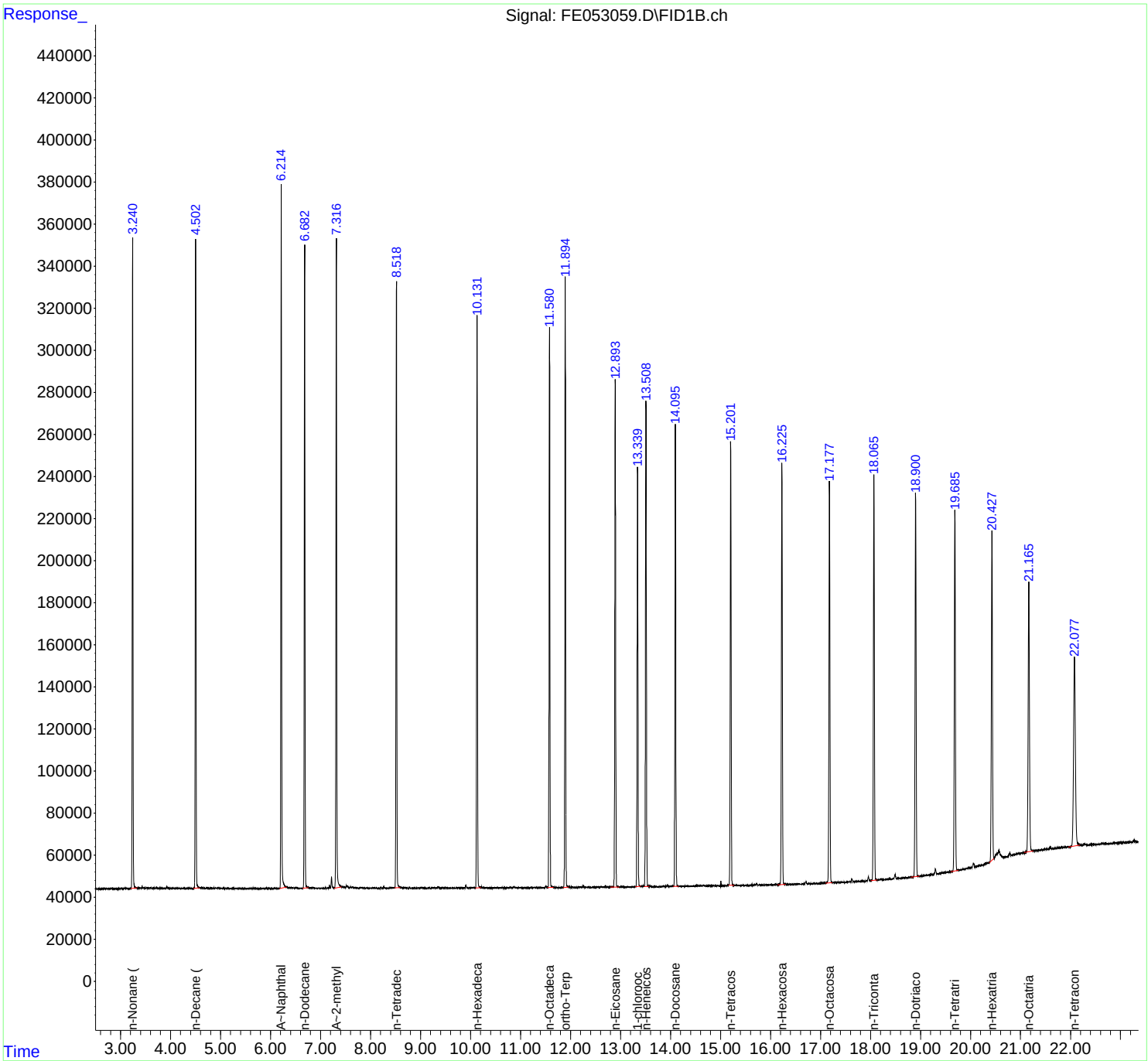
(f)=RT Delta > 1/2 Window (m)=manual int.

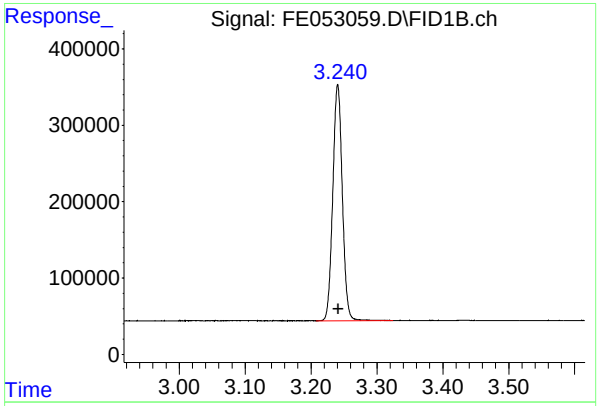
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053059.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:39
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 31 02:34:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

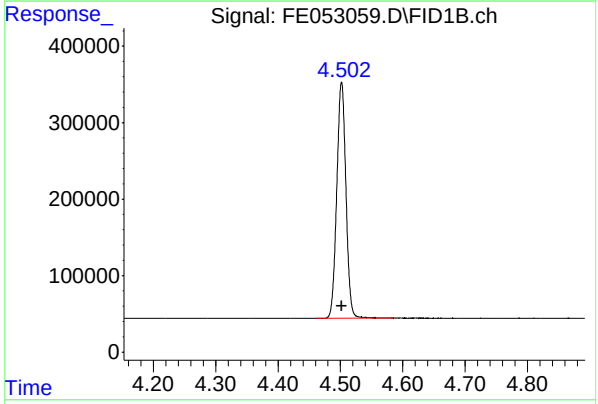




#1 n-Nonane (C9)

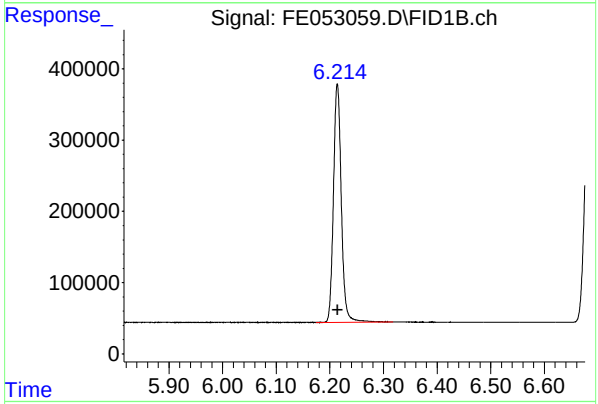
R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 3111803
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



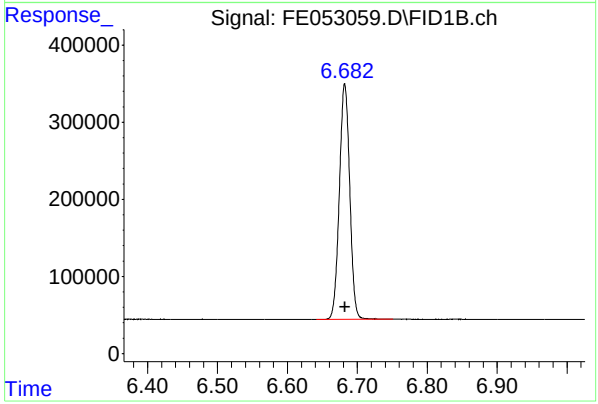
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 3155729
Conc: 20.00 ug/ml



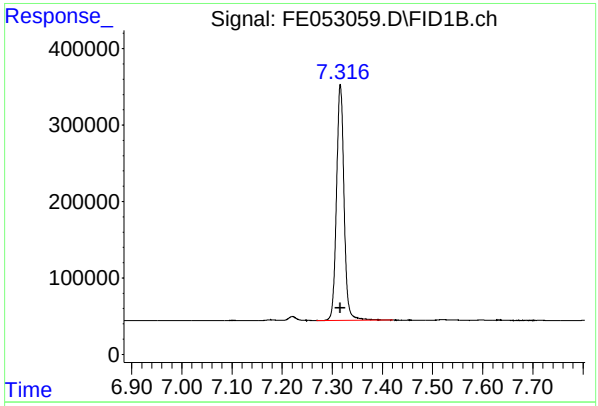
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 3393831
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

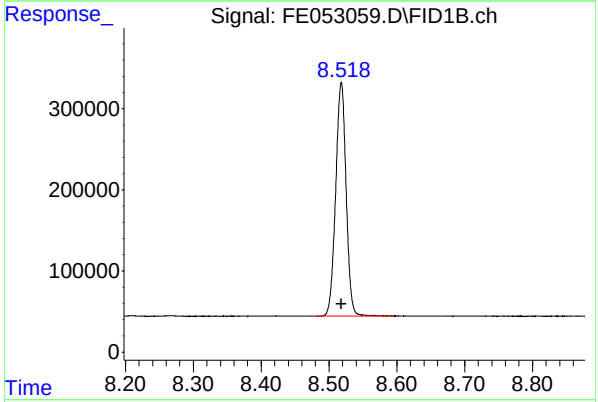
R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 3146549
Conc: 20.00 ug/ml



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

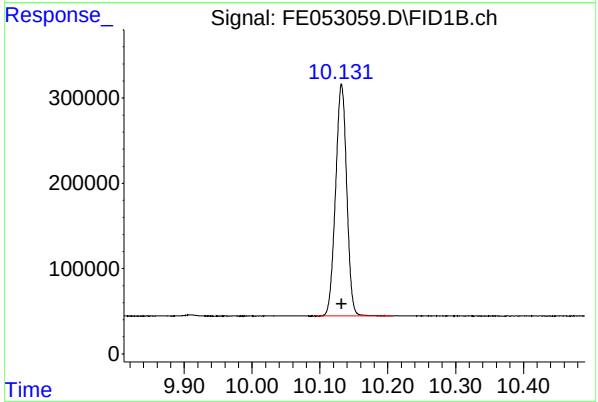
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 3236897
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



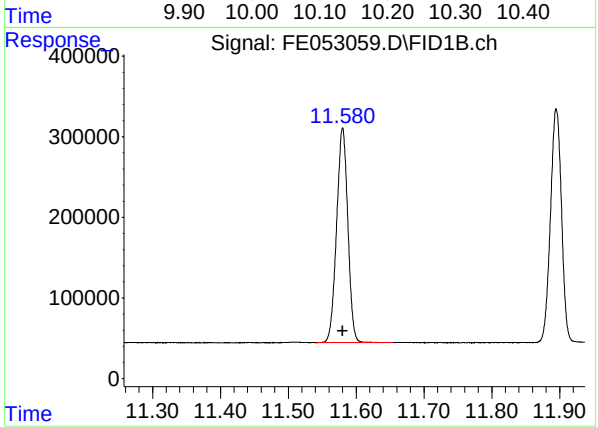
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: 0.000 min
Response: 3079745
Conc: 20.00 ug/ml



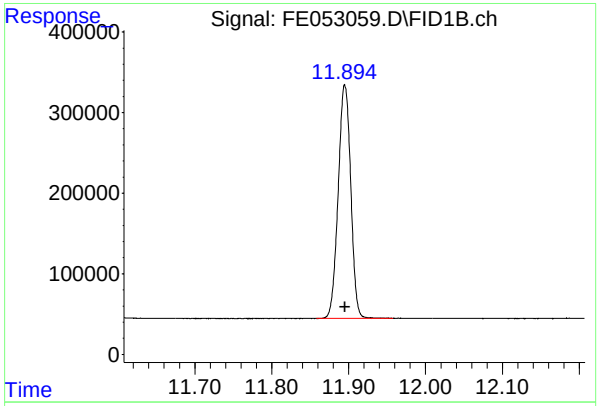
#7 n-Hexadecane (C16)

R.T.: 10.132 min
Delta R.T.: 0.000 min
Response: 3110571
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

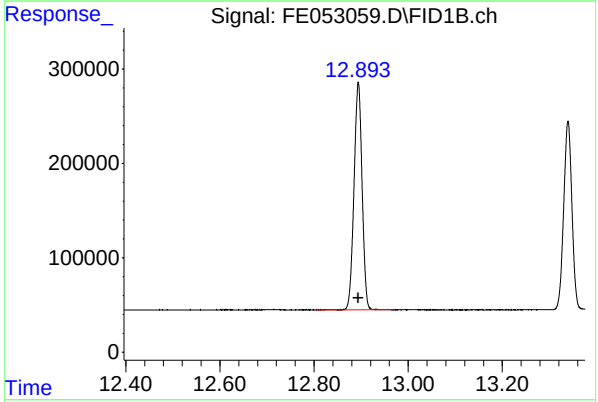
R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 3062795
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

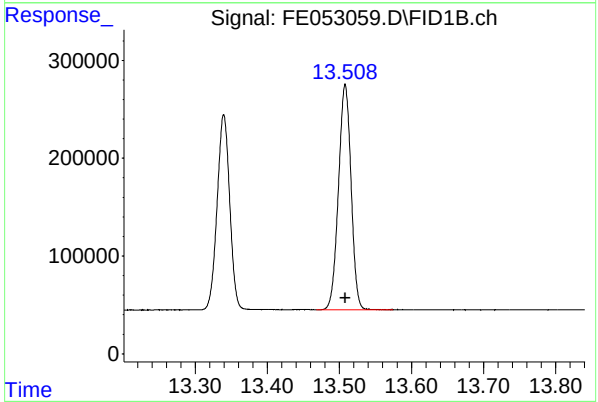
R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 3281499
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



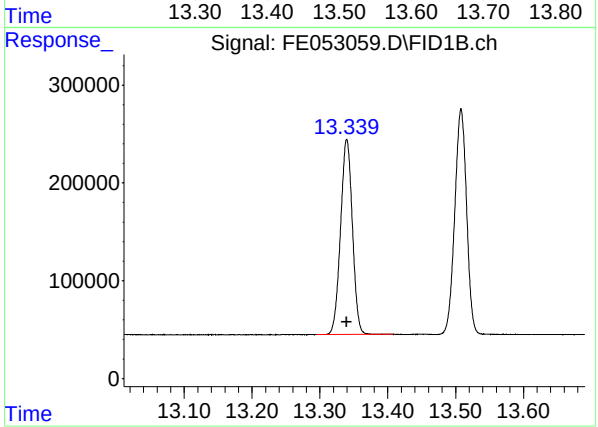
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 2878519
Conc: 20.00 ug/ml



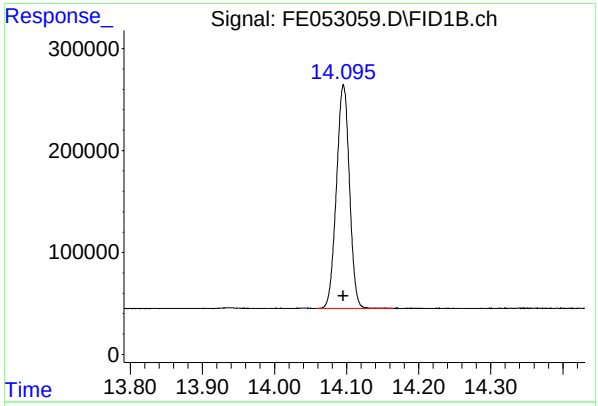
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2795775
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

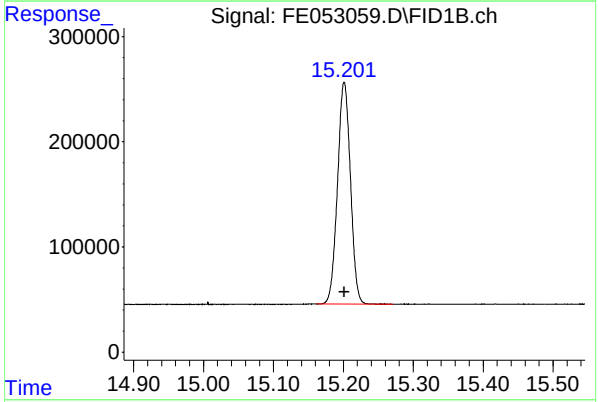
R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2420661
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

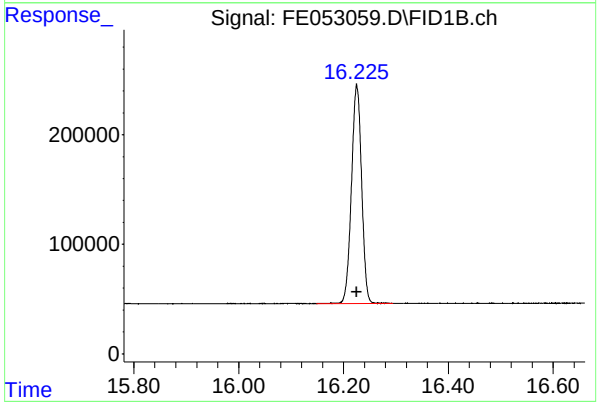
R.T.: 14.096 min
Delta R.T.: 0.000 min
Response: 2757743
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



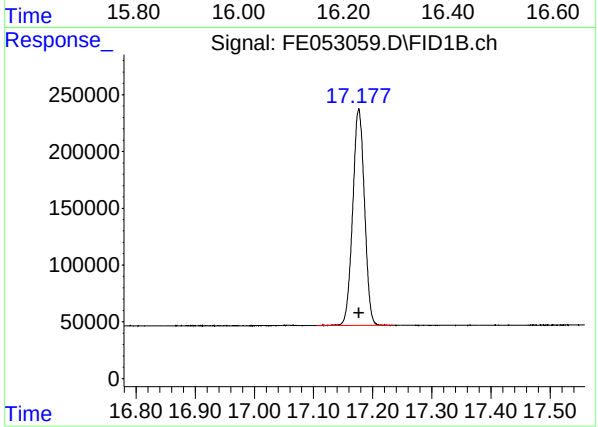
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2712592
Conc: 20.00 ug/ml



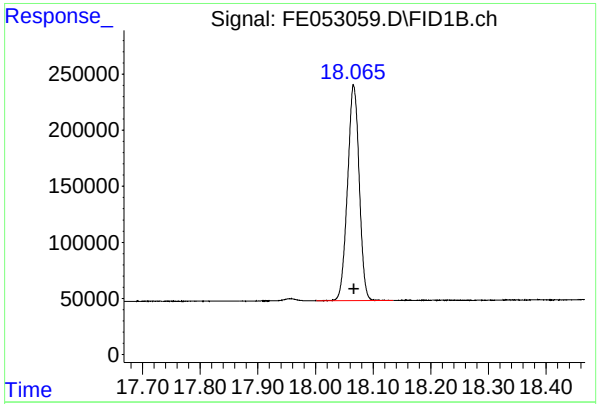
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 2682626
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

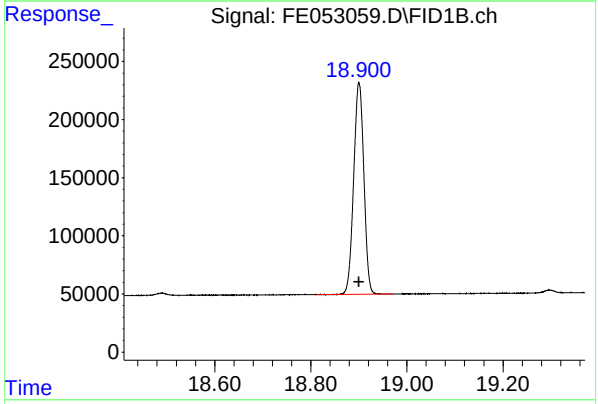
R.T.: 17.177 min
Delta R.T.: 0.000 min
Response: 2644740
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

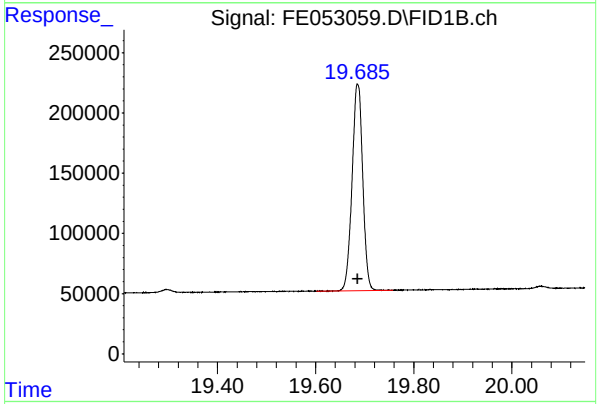
R.T.: 18.066 min
Delta R.T.: 0.000 min
Response: 2710540
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



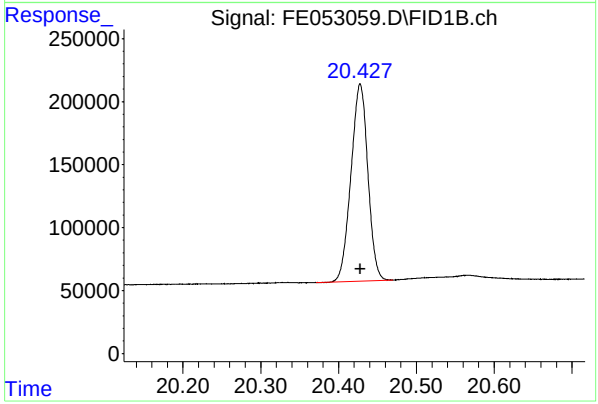
#18 n-Dotriacontane (C32)

R.T.: 18.900 min
Delta R.T.: 0.000 min
Response: 2684745
Conc: 20.00 ug/ml



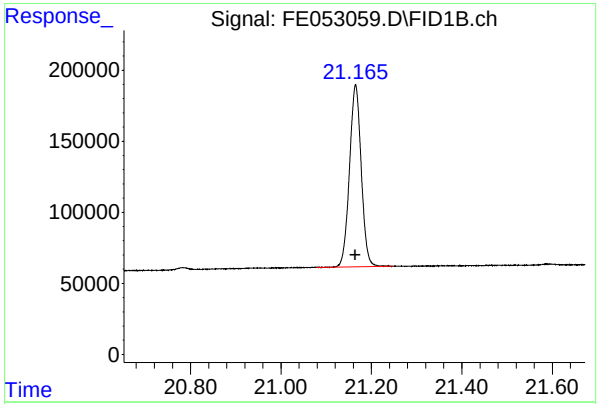
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: 0.000 min
Response: 2582519
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

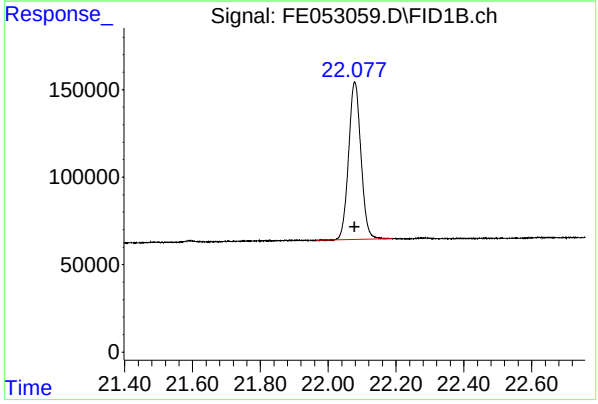
R.T.: 20.428 min
Delta R.T.: 0.000 min
Response: 2358807
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.165 min
Delta R.T.: 0.000 min
Response: 2301865
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.078 min
Delta R.T.: 0.000 min
Response: 2272435
Conc: 20.00 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053059.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 00:39
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.241	3.208	3.324	BB	309165	3111803	91.69%	4.988%
2	4.502	4.461	4.584	BB	308263	3155729	92.98%	5.059%
3	6.214	6.174	6.318	BB	334440	3393831	100.00%	5.440%
4	6.682	6.641	6.751	BB	304978	3146549	92.71%	5.044%
5	7.316	7.268	7.421	BB	306695	3236897	95.38%	5.189%
6	8.518	8.481	8.594	BB	287229	3079745	90.75%	4.937%
7	10.132	10.094	10.208	BB	271253	3110571	91.65%	4.986%
8	11.580	11.541	11.654	BB	266239	3062795	90.25%	4.910%
9	11.895	11.858	11.958	BB	290384	3281499	96.69%	5.260%
10	12.894	12.804	12.968	BB	241538	2878519	84.82%	4.614%
11	13.340	13.294	13.408	BB	198901	2420661	71.33%	3.880%
12	13.508	13.468	13.574	BB	230207	2795775	82.38%	4.482%
13	14.096	14.058	14.164	BB	218932	2757743	81.26%	4.421%
14	15.201	15.161	15.271	BB	210895	2712592	79.93%	4.348%
15	16.225	16.148	16.294	BB	199133	2682626	79.04%	4.300%
16	17.177	17.104	17.234	BB	190016	2644740	77.93%	4.240%
17	18.066	18.001	18.134	BB	190688	2710540	79.87%	4.345%
18	18.900	18.811	18.971	BB	182088	2684745	79.11%	4.304%
19	19.686	19.601	19.758	BB	172550	2582519	76.09%	4.140%
20	20.428	20.371	20.470	BV	156612	2358807	69.50%	3.781%
21	21.165	21.078	21.248	BB	128151	2301865	67.82%	3.690%
22	22.078	21.964	22.191	BB	89918	2272435	66.96%	3.643%
			Sum of corrected areas:			62382986		

Aliphatic EPH 032925.M Mon Mar 31 02:54:58 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053060.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:09
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 31 02:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 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)	11.894	1754070	10.691 ug/ml
Spiked Amount	50.000		Recovery =	21.38%
12)	S 1-chlorooctadecane (S...	13.338	1286263	10.627 ug/ml
Spiked Amount	50.000		Recovery =	21.25%
	Target Compounds			
1)	T n-Nonane (C9)	3.242	1669873	10.733 ug/ml
2)	T n-Decane (C10)	4.502	1694240	10.738 ug/ml
3)	T A~Naphthalene (C11.7)	6.214	1806985	10.649 ug/ml
4)	T n-Dodecane (C12)	6.681	1686577	10.720 ug/ml
5)	T A~2-methylnaphthalene...	7.316	1711131	10.573 ug/ml
6)	T n-Tetradecane (C14)	8.517	1648070	10.703 ug/ml
7)	T n-Hexadecane (C16)	10.131	1659167	10.668 ug/ml
8)	T n-Octadecane (C18)	11.579	1633136	10.664 ug/ml
10)	T n-Eicosane (C20)	12.893	1532254	10.646 ug/ml
11)	T n-Heneicosane (C21)	13.507	1494607	10.692 ug/ml
13)	T n-Docosane (C22)	14.094	1475376	10.700 ug/ml
14)	T n-Tetracosane (C24)	15.201	1459470	10.761 ug/ml
15)	T n-Hexacosane (C26)	16.225	1436028	10.706 ug/ml
16)	T n-Octacosane (C28)	17.175	1426366	10.786 ug/ml
17)	T n-Tricontane (C30)	18.065	1462648	10.792 ug/ml
18)	T n-Dotriacontane (C32)	18.899	1459482	10.872 ug/ml
19)	T n-Tetratriacontane (C34)	19.683	1399687	10.840 ug/ml
20)	T n-Hexatriacontane (C36)	20.425	1274690	10.808 ug/ml
21)	T n-Octatriacontane (C38)	21.163	1238066	10.757 ug/ml
22)	T n-Tetracontane (C40)	22.076	1209126	10.642 ug/ml

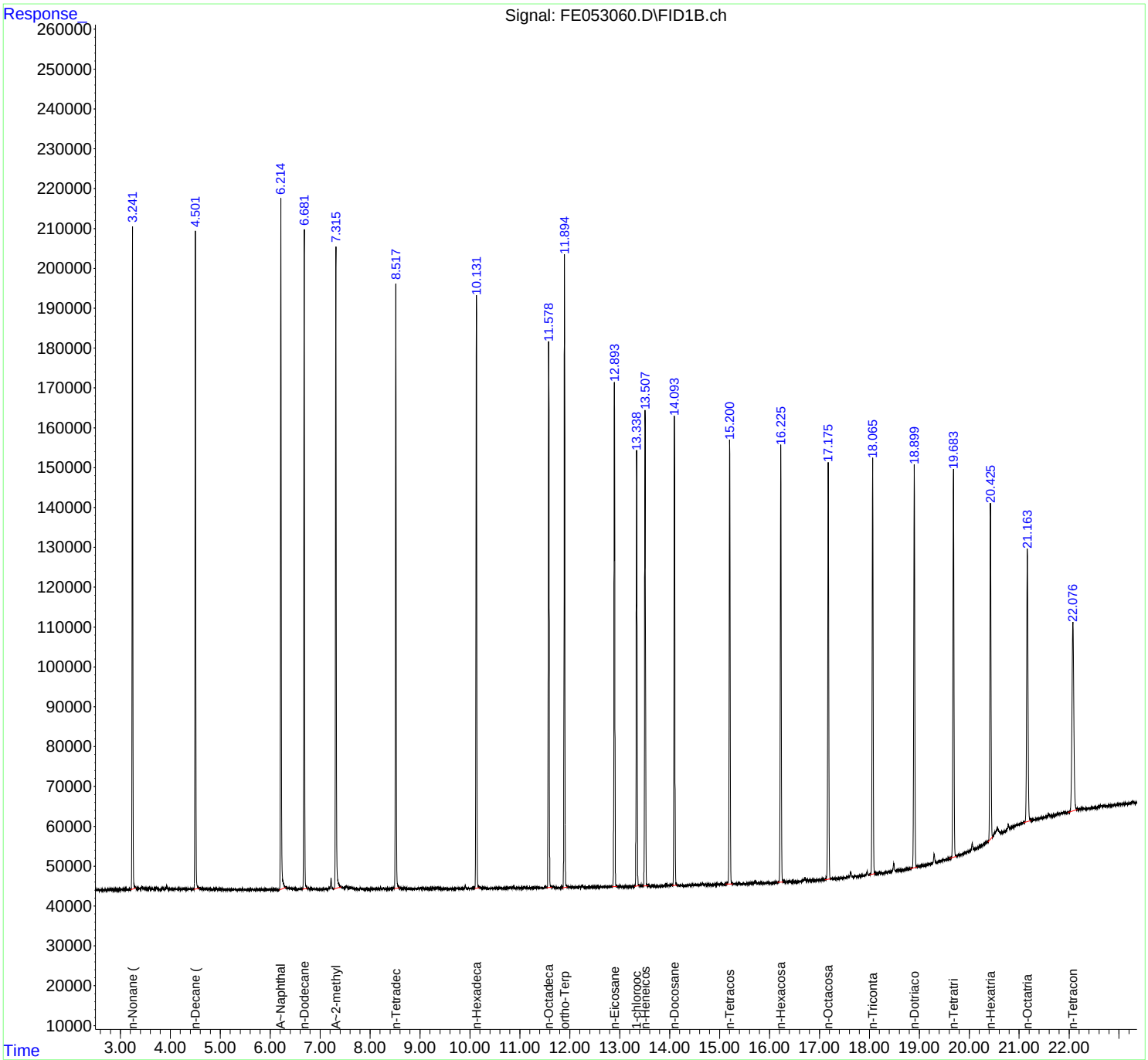
(f)=RT Delta > 1/2 Window (m)=manual int.

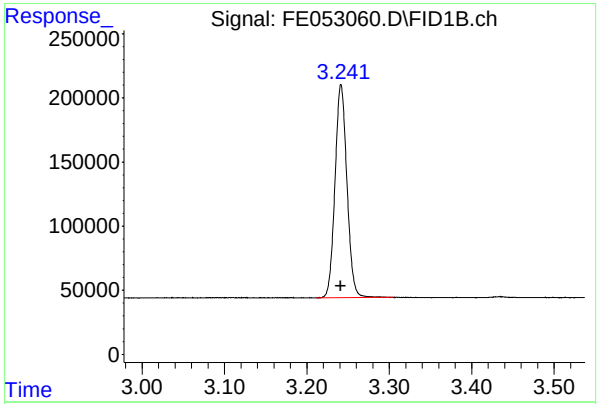
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053060.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:09
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 31 02:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

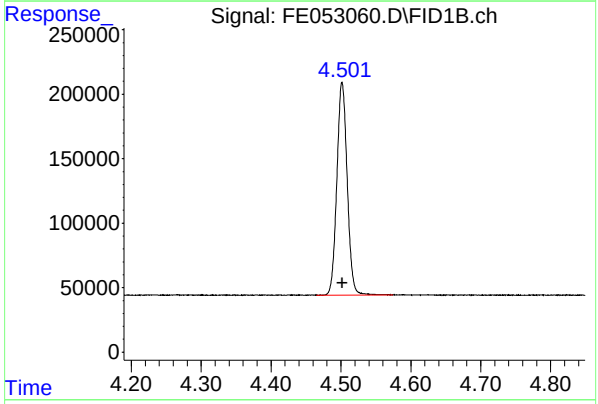




#1 n-Nonane (C9)

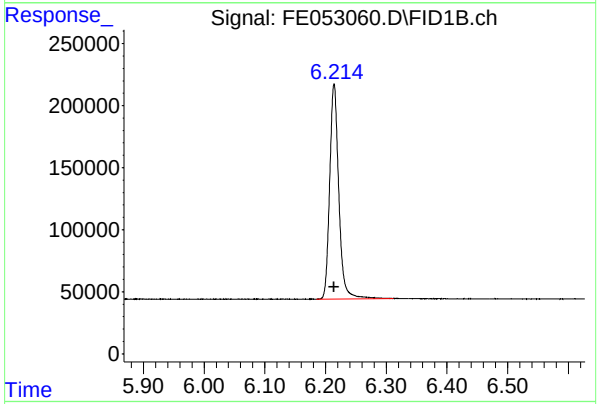
R.T.: 3.242 min
Delta R.T.: 0.000 min
Response: 1669873
Conc: 10.73 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



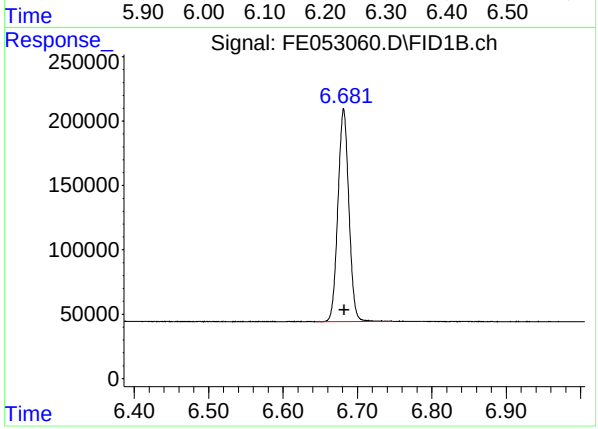
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 1694240
Conc: 10.74 ug/ml



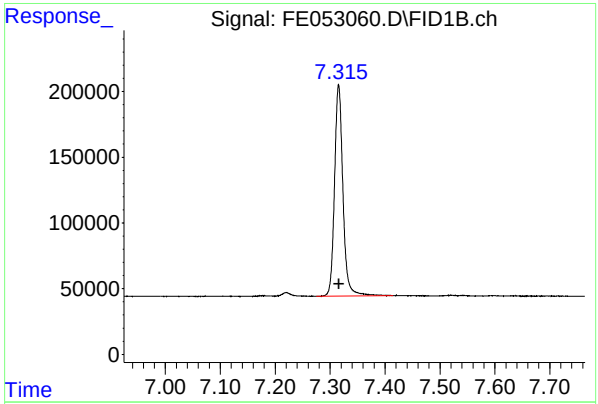
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 1806985
Conc: 10.65 ug/ml



#4 n-Dodecane (C12)

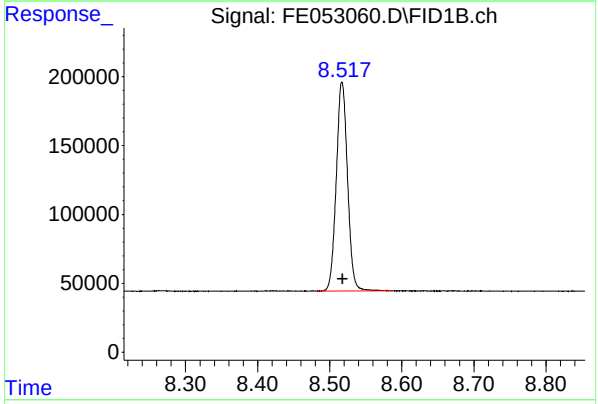
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 1686577
Conc: 10.72 ug/ml



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

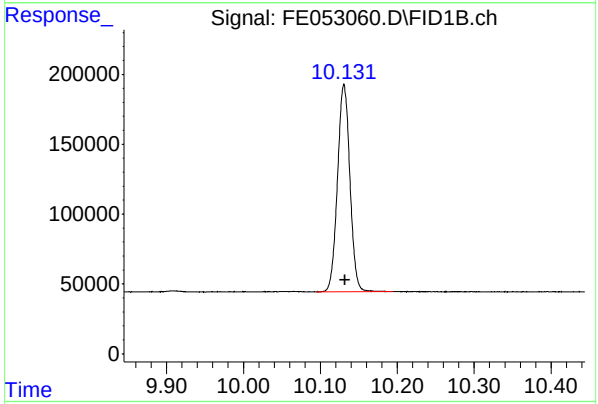
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 1711131
Conc: 10.57 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



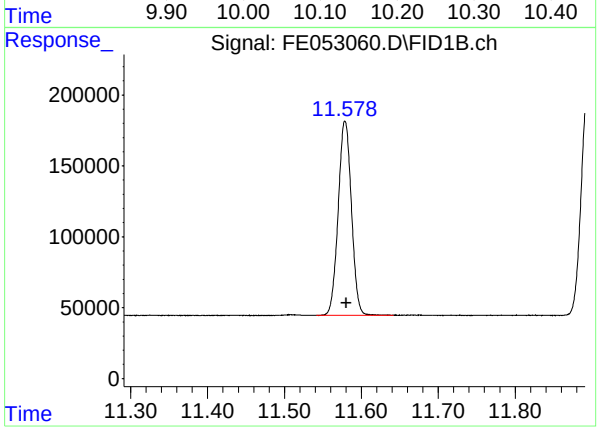
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: 0.000 min
Response: 1648070
Conc: 10.70 ug/ml



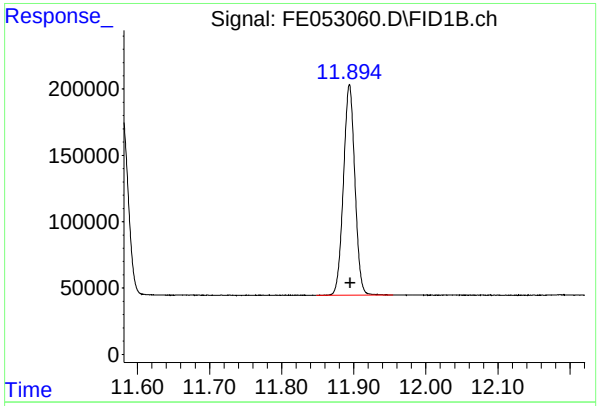
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: -0.001 min
Response: 1659167
Conc: 10.67 ug/ml



#8 n-Octadecane (C18)

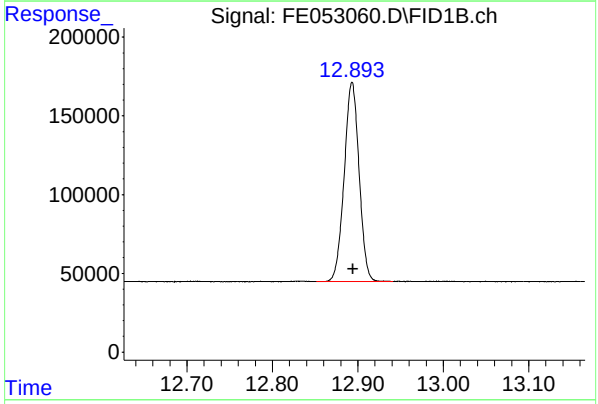
R.T.: 11.579 min
Delta R.T.: -0.001 min
Response: 1633136
Conc: 10.66 ug/ml



#9 ortho-Terphenyl (SURR)

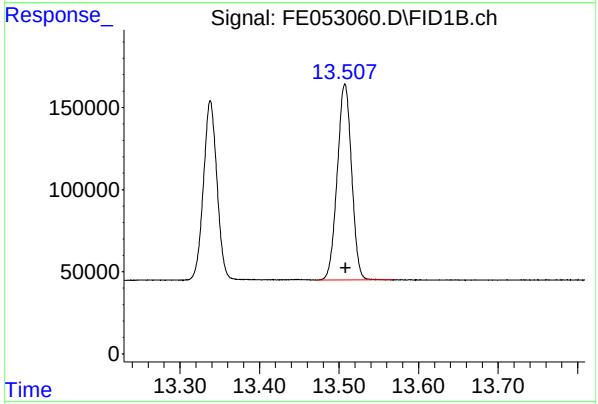
R.T.: 11.894 min
Delta R.T.: -0.001 min
Response: 1754070
Conc: 10.69 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



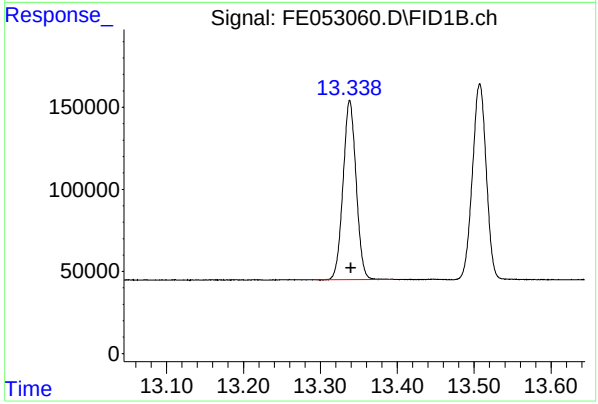
#10 n-Eicosane (C20)

R.T.: 12.893 min
Delta R.T.: 0.000 min
Response: 1532254
Conc: 10.65 ug/ml



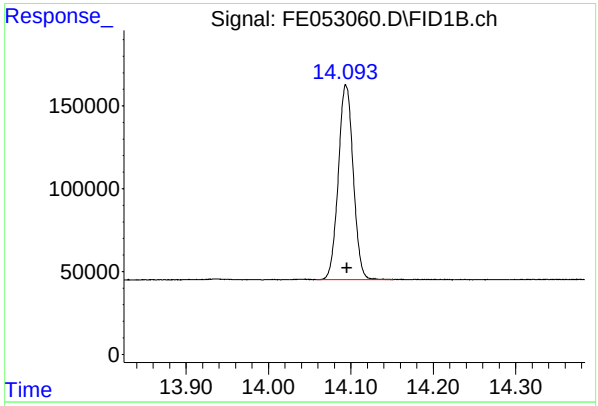
#11 n-Heneicosane (C21)

R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 1494607
Conc: 10.69 ug/ml



#12 1-chlorooctadecane (SURR)

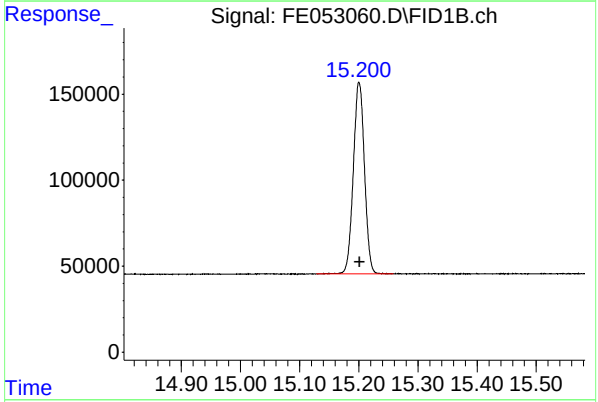
R.T.: 13.338 min
Delta R.T.: -0.001 min
Response: 1286263
Conc: 10.63 ug/ml



#13 n-Docosane (C22)

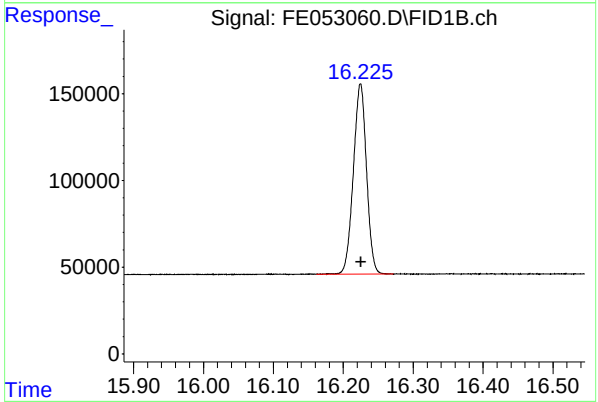
R.T.: 14.094 min
Delta R.T.: -0.001 min
Response: 1475376
Conc: 10.70 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



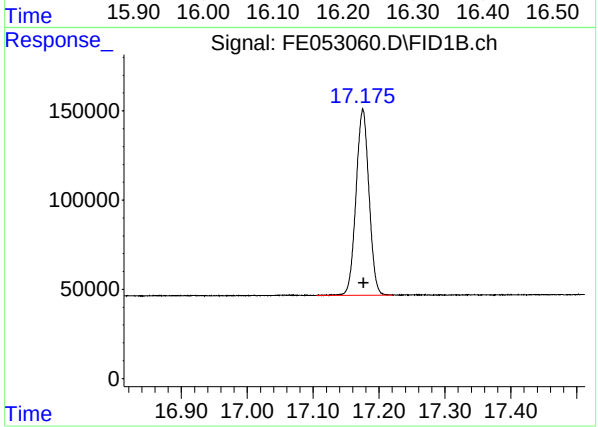
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 1459470
Conc: 10.76 ug/ml



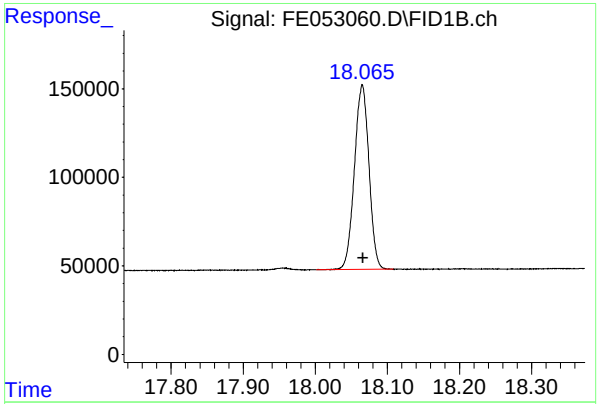
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 1436028
Conc: 10.71 ug/ml



#16 n-Octacosane (C28)

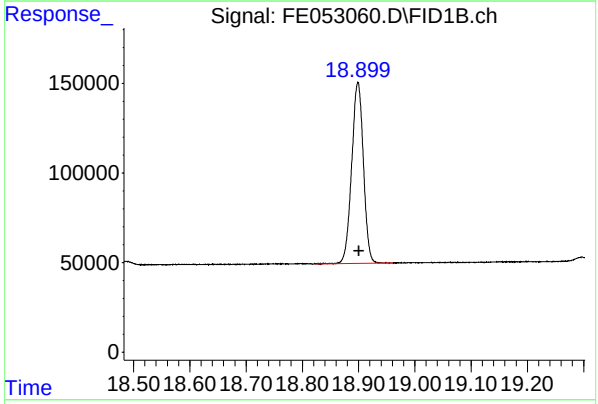
R.T.: 17.175 min
Delta R.T.: -0.001 min
Response: 1426366
Conc: 10.79 ug/ml



#17 n-Tricontane (C30)

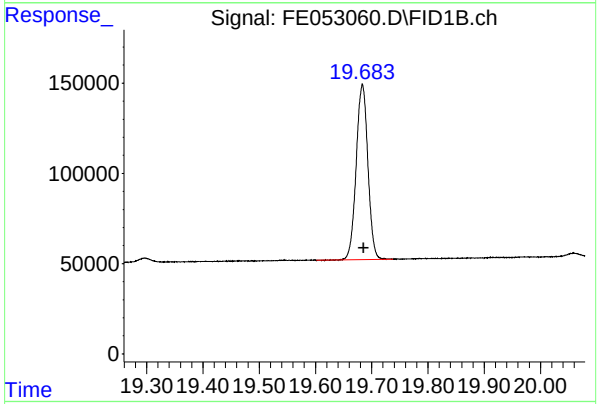
R.T.: 18.065 min
Delta R.T.: -0.001 min
Response: 1462648
Conc: 10.79 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



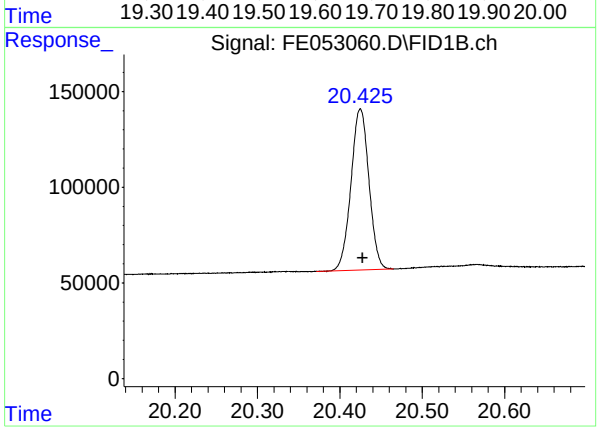
#18 n-Dotriacontane (C32)

R.T.: 18.899 min
Delta R.T.: -0.002 min
Response: 1459482
Conc: 10.87 ug/ml



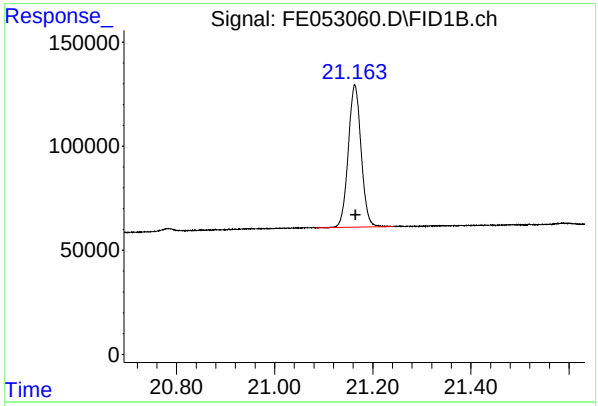
#19 n-Tetratriacontane (C34)

R.T.: 19.683 min
Delta R.T.: -0.003 min
Response: 1399687
Conc: 10.84 ug/ml



#20 n-Hexatriacontane (C36)

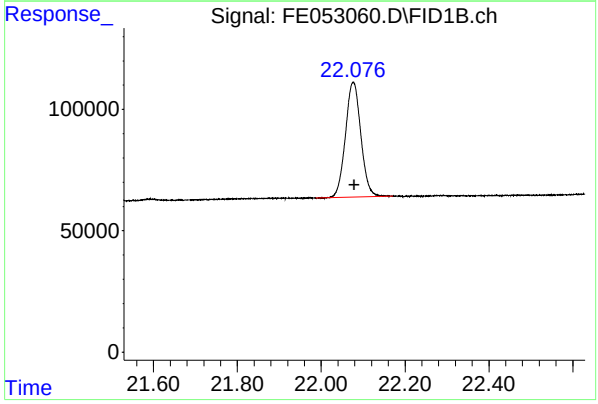
R.T.: 20.425 min
Delta R.T.: -0.003 min
Response: 1274690
Conc: 10.81 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.163 min
Delta R.T.: -0.002 min
Response: 1238066
Conc: 10.76 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.076 min
Delta R.T.: -0.002 min
Response: 1209126
Conc: 10.64 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053060.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:09
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.242	3.211	3.304	BB	165985	1669873	92.41%	4.997%
2	4.502	4.464	4.574	BB	165117	1694240	93.76%	5.070%
3	6.214	6.184	6.311	BB	173154	1806985	100.00%	5.407%
4	6.681	6.644	6.748	BB	164386	1686577	93.34%	5.047%
5	7.316	7.274	7.414	BB	160183	1711131	94.70%	5.120%
6	8.517	8.481	8.588	BB	151398	1648070	91.21%	4.932%
7	10.131	10.094	10.194	BB	147920	1659167	91.82%	4.965%
8	11.579	11.541	11.641	BB	137435	1633136	90.38%	4.887%
9	11.894	11.848	11.954	BB	158742	1754070	97.07%	5.249%
10	12.893	12.851	12.941	BB	126209	1532254	84.80%	4.585%
11	13.338	13.294	13.394	BB	109079	1286263	71.18%	3.849%
12	13.507	13.471	13.568	BB	119250	1494607	82.71%	4.473%
13	14.094	14.058	14.151	BB	117423	1475376	81.65%	4.415%
14	15.201	15.128	15.258	BB	111247	1459470	80.77%	4.367%
15	16.225	16.161	16.271	BB	110050	1436028	79.47%	4.297%
16	17.175	17.104	17.221	BB	103728	1426366	78.94%	4.268%
17	18.065	18.001	18.108	BB	103698	1462648	80.94%	4.377%
18	18.899	18.824	18.961	BB	100803	1459482	80.77%	4.367%
19	19.683	19.601	19.738	BB	97114	1399687	77.46%	4.189%
20	20.425	20.371	20.464	BV	84158	1274690	70.54%	3.814%
21	21.163	21.084	21.241	BB	68275	1238066	68.52%	3.705%
22	22.076	21.988	22.171	BB	47375	1209126	66.91%	3.618%
			Sum of corrected areas:			33417311		

Aliphatic EPH 032925.M Mon Mar 31 02:55:18 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053061.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:39
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 31 02:34:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 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)	11.893	844490	5.147 ug/ml
Spiked Amount	50.000	Recovery =	10.29%	
12)	S 1-chlorooctadecane (S...	13.338	616281	5.092 ug/ml
Spiked Amount	50.000	Recovery =	10.18%	
	Target Compounds			
1)	T n-Nonane (C9)	3.241	794168	5.104 ug/ml
2)	T n-Decane (C10)	4.502	801078	5.077 ug/ml
3)	T A~Naphthalene (C11.7)	6.214	844127	4.974 ug/ml
4)	T n-Dodecane (C12)	6.681	799896	5.084 ug/ml
5)	T A~2-methylnaphthalene...	7.316	794430	4.909 ug/ml
6)	T n-Tetradecane (C14)	8.516	791912	5.143 ug/ml
7)	T n-Hexadecane (C16)	10.130	796849	5.123 ug/ml
8)	T n-Octadecane (C18)	11.578	786402	5.135 ug/ml
10)	T n-Eicosane (C20)	12.892	743598	5.167 ug/ml
11)	T n-Heneicosane (C21)	13.506	721765	5.163 ug/ml
13)	T n-Docosane (C22)	14.094	712566	5.168 ug/ml
14)	T n-Tetracosane (C24)	15.200	699097	5.154 ug/ml
15)	T n-Hexacosane (C26)	16.224	694483	5.178 ug/ml
16)	T n-Octacosane (C28)	17.175	690349	5.221 ug/ml
17)	T n-Tricontane (C30)	18.064	715799	5.282 ug/ml
18)	T n-Dotriacontane (C32)	18.898	714056	5.319 ug/ml
19)	T n-Tetratriacontane (C34)	19.684	684498	5.301 ug/ml
20)	T n-Hexatriacontane (C36)	20.425	622561	5.279 ug/ml
21)	T n-Octatriacontane (C38)	21.164	600593	5.218 ug/ml
22)	T n-Tetracontane (C40)	22.078	581004	5.113 ug/ml

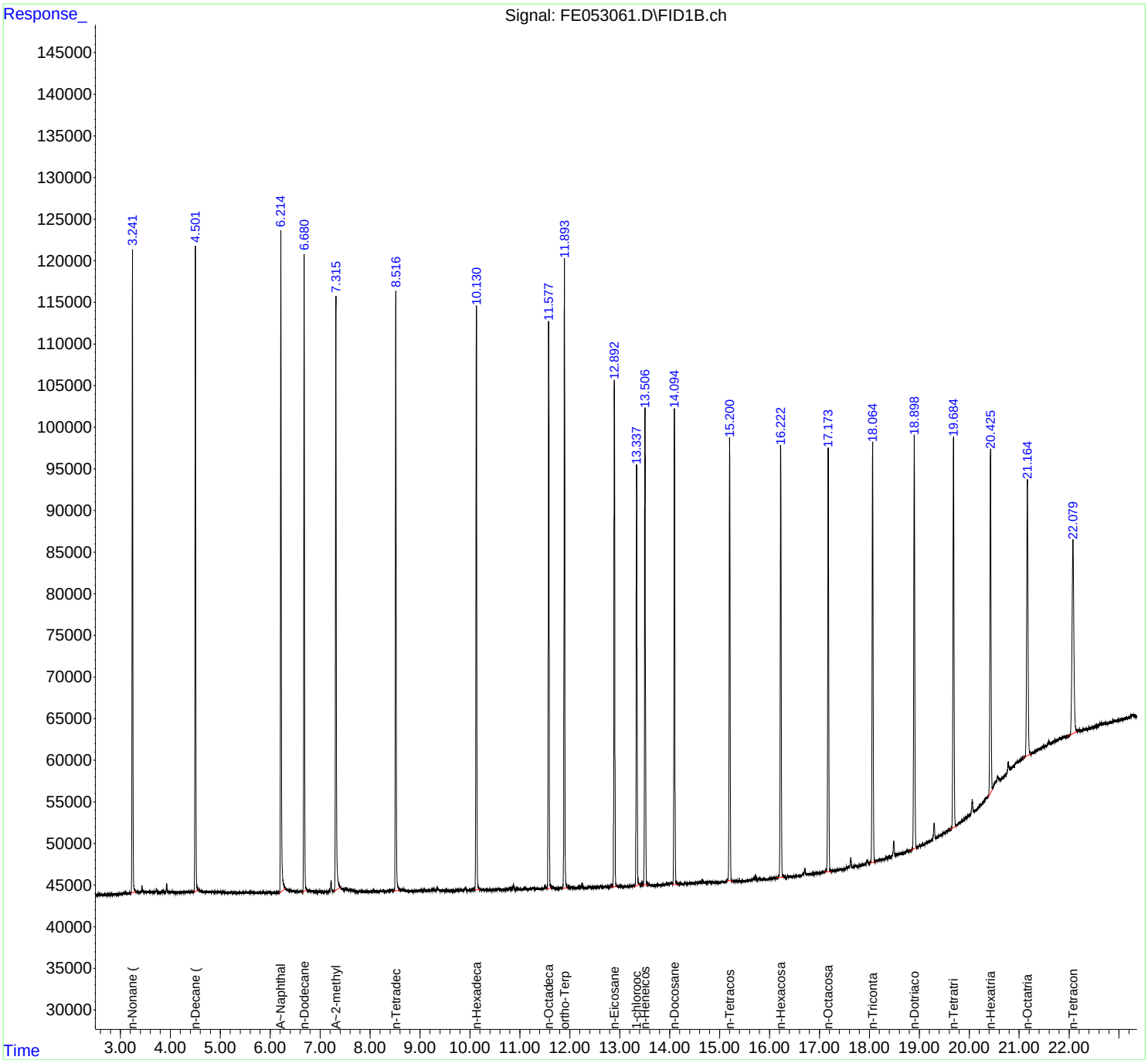
(f)=RT Delta > 1/2 Window (m)=manual int.

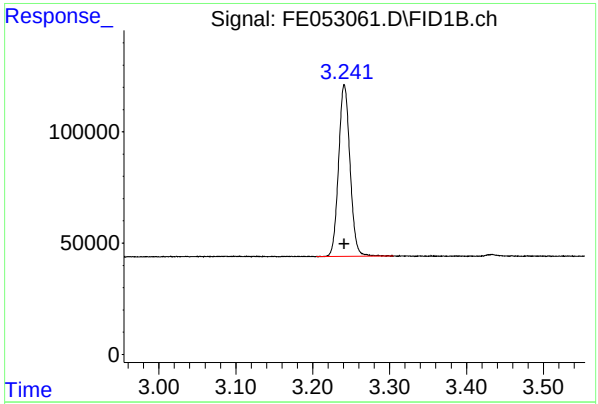
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053061.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:39
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 31 02:34:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:32:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

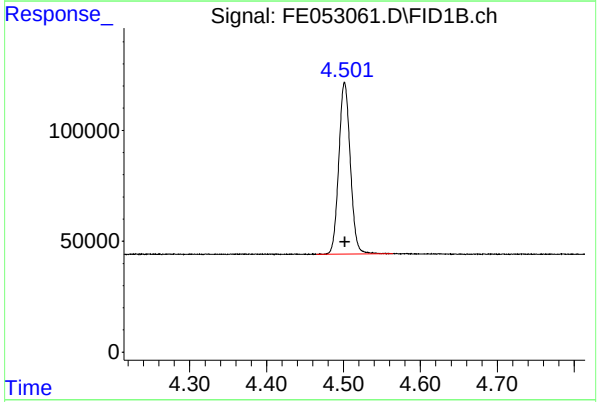




#1 n-Nonane (C9)

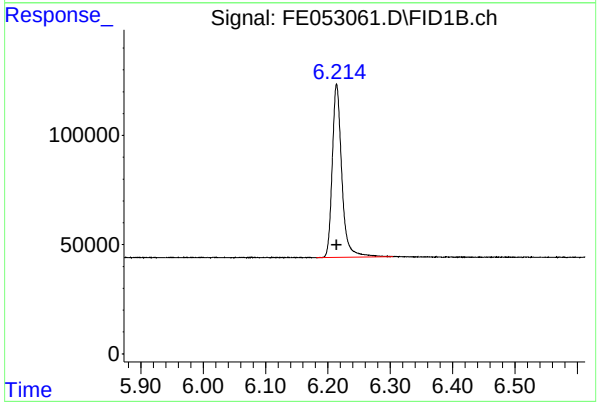
R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 794168
Conc: 5.10 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



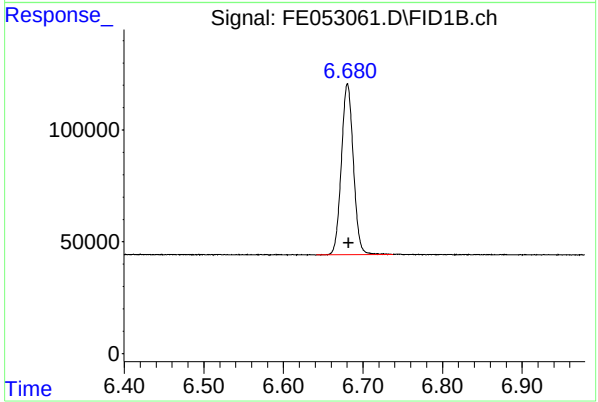
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 801078
Conc: 5.08 ug/ml



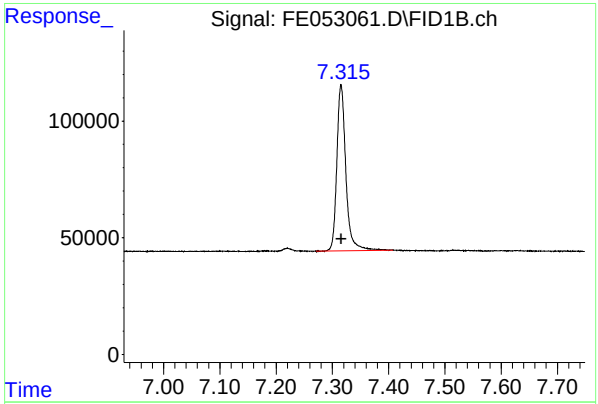
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 844127
Conc: 4.97 ug/ml



#4 n-Dodecane (C12)

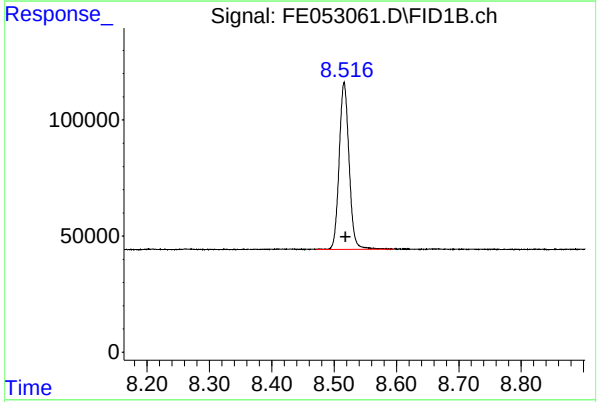
R.T.: 6.681 min
Delta R.T.: -0.001 min
Response: 799896
Conc: 5.08 ug/ml



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

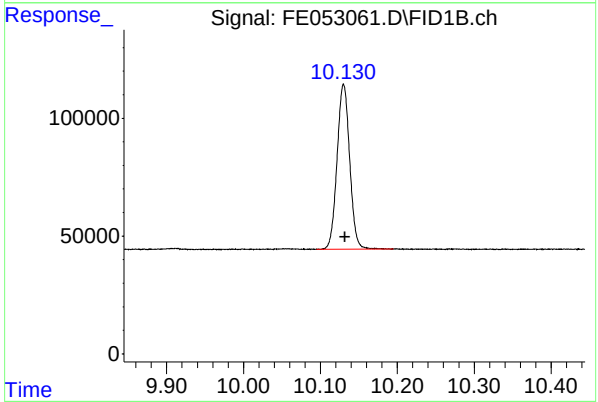
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 794430
Conc: 4.91 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



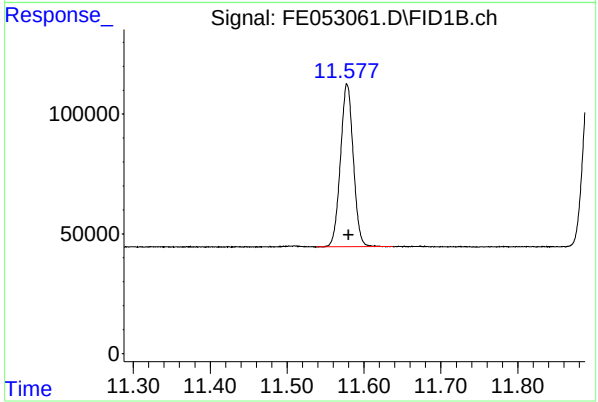
#6 n-Tetradecane (C14)

R.T.: 8.516 min
Delta R.T.: -0.002 min
Response: 791912
Conc: 5.14 ug/ml



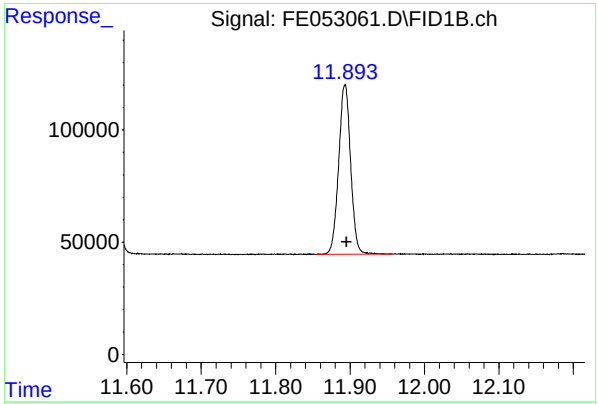
#7 n-Hexadecane (C16)

R.T.: 10.130 min
Delta R.T.: -0.002 min
Response: 796849
Conc: 5.12 ug/ml



#8 n-Octadecane (C18)

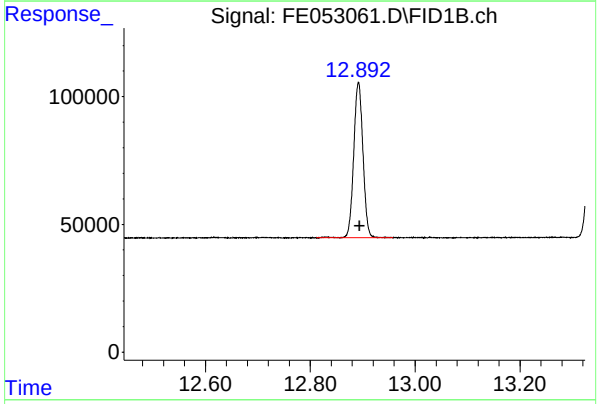
R.T.: 11.578 min
Delta R.T.: -0.002 min
Response: 786402
Conc: 5.14 ug/ml



#9 ortho-Terphenyl (SURR)

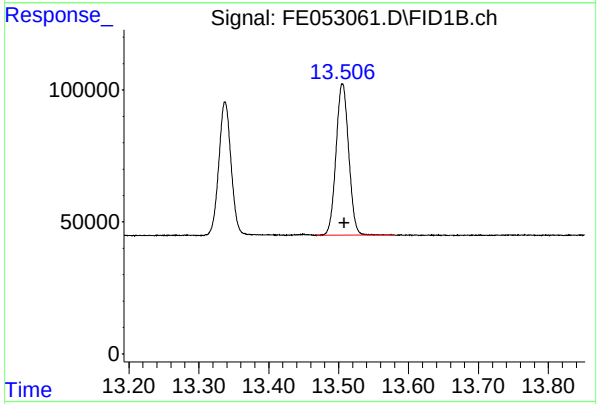
R.T.: 11.893 min
Delta R.T.: -0.002 min
Response: 844490
Conc: 5.15 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



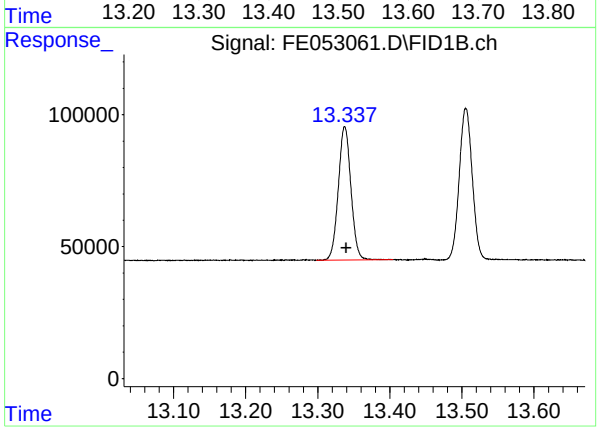
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.002 min
Response: 743598
Conc: 5.17 ug/ml



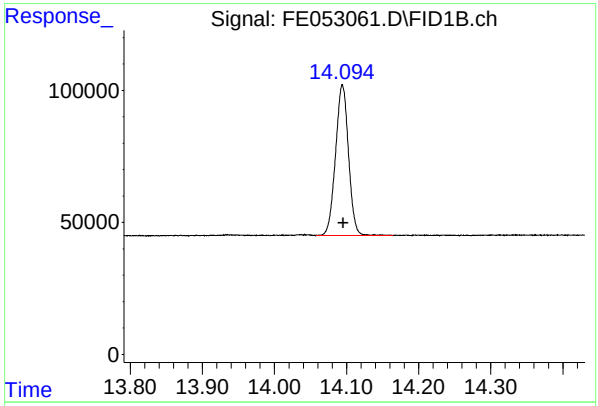
#11 n-Heneicosane (C21)

R.T.: 13.506 min
Delta R.T.: -0.003 min
Response: 721765
Conc: 5.16 ug/ml



#12 1-chlorooctadecane (SURR)

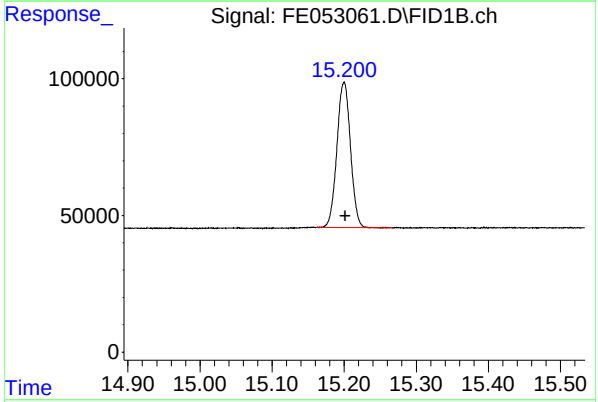
R.T.: 13.338 min
Delta R.T.: -0.002 min
Response: 616281
Conc: 5.09 ug/ml



#13 n-Docosane (C22)

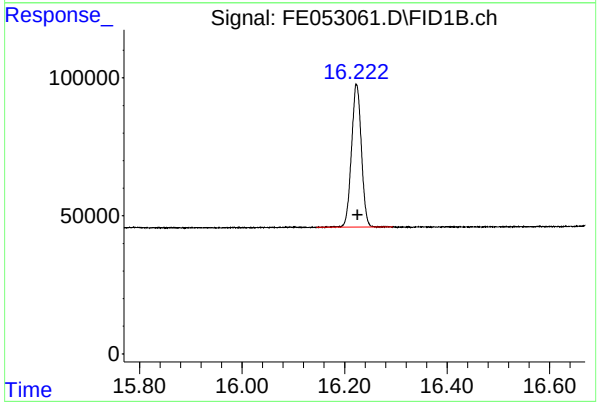
R.T.: 14.094 min
Delta R.T.: -0.001 min
Response: 712566
Conc: 5.17 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



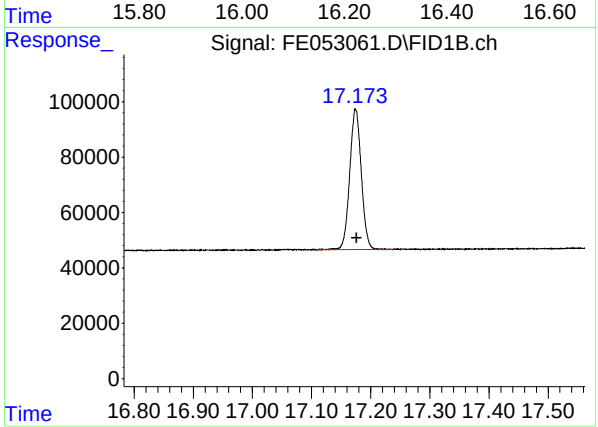
#14 n-Tetracosane (C24)

R.T.: 15.200 min
Delta R.T.: -0.002 min
Response: 699097
Conc: 5.15 ug/ml



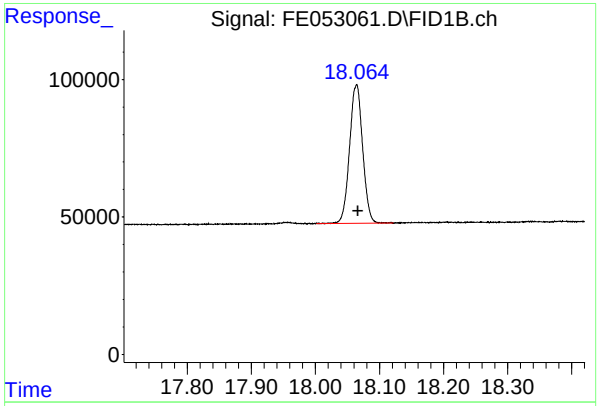
#15 n-Hexacosane (C26)

R.T.: 16.224 min
Delta R.T.: -0.002 min
Response: 694483
Conc: 5.18 ug/ml



#16 n-Octacosane (C28)

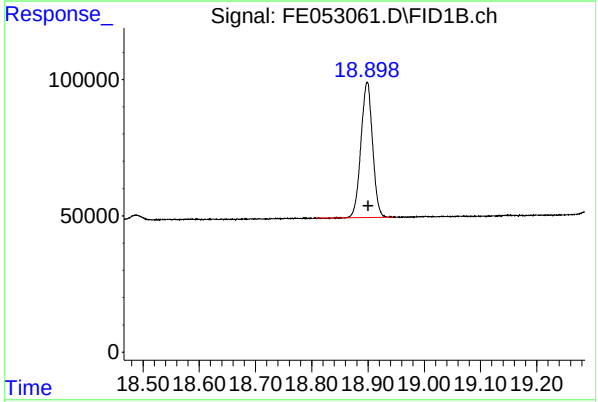
R.T.: 17.175 min
Delta R.T.: -0.002 min
Response: 690349
Conc: 5.22 ug/ml



#17 n-Tricontane (C30)

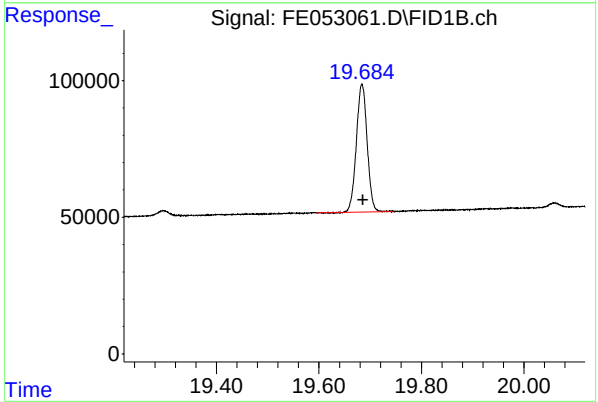
R.T.: 18.064 min
Delta R.T.: -0.003 min
Response: 715799
Conc: 5.28 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



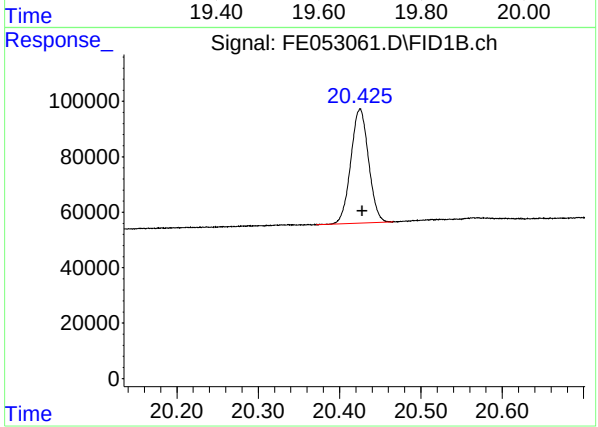
#18 n-Dotriacontane (C32)

R.T.: 18.898 min
Delta R.T.: -0.002 min
Response: 714056
Conc: 5.32 ug/ml



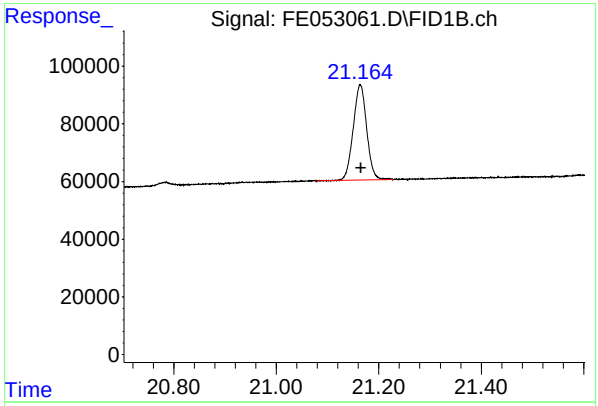
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.002 min
Response: 684498
Conc: 5.30 ug/ml



#20 n-Hexatriacontane (C36)

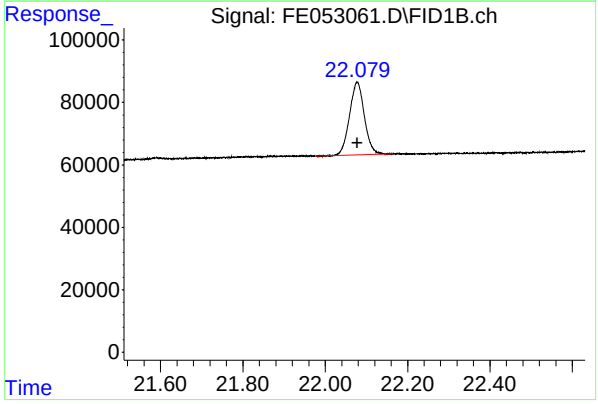
R.T.: 20.425 min
Delta R.T.: -0.003 min
Response: 622561
Conc: 5.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.164 min
Delta R.T.: -0.001 min
Response: 600593
Conc: 5.22 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.078 min
Delta R.T.: 0.000 min
Response: 581004
Conc: 5.11 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053061.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 01:39
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.241	3.204	3.304	BB	77074	794168	94.04%	4.948%
2	4.502	4.464	4.564	BB	77264	801078	94.86%	4.991%
3	6.214	6.181	6.304	BB	78955	844127	99.96%	5.259%
4	6.681	6.641	6.738	BB	76341	799896	94.72%	4.984%
5	7.316	7.271	7.408	BB	71052	794430	94.07%	4.950%
6	8.516	8.471	8.594	BB	71071	791912	93.77%	4.934%
7	10.130	10.094	10.194	BB	70015	796849	94.36%	4.965%
8	11.578	11.538	11.638	BB	68076	786402	93.12%	4.900%
9	11.893	11.854	11.958	BB	75731	844490	100.00%	5.262%
10	12.892	12.811	12.958	BB	60616	743598	88.05%	4.633%
11	13.338	13.298	13.404	BB	50582	616281	72.98%	3.840%
12	13.506	13.468	13.578	BB	57477	721765	85.47%	4.497%
13	14.094	14.058	14.164	BB	56992	712566	84.38%	4.440%
14	15.200	15.161	15.268	BB	53478	699097	82.78%	4.356%
15	16.224	16.144	16.294	BB	51607	694483	82.24%	4.327%
16	17.175	17.108	17.238	BB	50763	690349	81.75%	4.301%
17	18.064	18.001	18.121	BB	50502	715799	84.76%	4.460%
18	18.898	18.808	18.944	BB	49727	714056	84.55%	4.449%
19	19.684	19.594	19.744	BB	46778	684498	81.05%	4.265%
20	20.425	20.371	20.466	BV	41044	622561	73.72%	3.879%
21	21.164	21.078	21.228	BB	33059	600593	71.12%	3.742%
22	22.078	21.978	22.164	BB	23258	581004	68.80%	3.620%
			Sum of corrected areas:			16049999		

Aliphatic EPH 032925.M Mon Mar 31 02:55:44 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053062.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 02:10
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 31 02:46:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.896	3305867	20.296 ug/ml
	Spiked Amount 50.000		Recovery = 40.59%	
12)	S 1-chlorooctadecane (S...	13.340	2435431	20.288 ug/ml
	Spiked Amount 50.000		Recovery = 40.58%	
	Target Compounds			
1)	T n-Nonane (C9)	3.241	3144906	20.311 ug/ml
2)	T n-Decane (C10)	4.502	3190145	20.338 ug/ml
3)	T A~Naphthalene (C11.7)	6.214	3429813	20.417 ug/ml
4)	T n-Dodecane (C12)	6.682	3188817	20.389 ug/ml
5)	T A~2-methylnaphthalene...	7.316	3264250	20.458 ug/ml
6)	T n-Tetradecane (C14)	8.518	3114031	20.338 ug/ml
7)	T n-Hexadecane (C16)	10.132	3136071	20.345 ug/ml
8)	T n-Octadecane (C18)	11.580	3082468	20.324 ug/ml
10)	T n-Eicosane (C20)	12.894	2891595	20.281 ug/ml
11)	T n-Heneicosane (C21)	13.508	2818447	20.310 ug/ml
13)	T n-Docosane (C22)	14.095	2782053	20.314 ug/ml
14)	T n-Tetracosane (C24)	15.201	2739887	20.287 ug/ml
15)	T n-Hexacosane (C26)	16.225	2707291	20.293 ug/ml
16)	T n-Octacosane (C28)	17.177	2675667	20.275 ug/ml
17)	T n-Tricontane (C30)	18.066	2741072	20.223 ug/ml
18)	T n-Dotriacontane (C32)	18.900	2708370	20.127 ug/ml
19)	T n-Tetratriacontane (C34)	19.684	2604010	20.124 ug/ml
20)	T n-Hexatriacontane (C36)	20.427	2402460	20.224 ug/ml
21)	T n-Octatriacontane (C38)	21.166	2315805	20.149 ug/ml
22)	T n-Tetracontane (C40)	22.081	2245217	19.991 ug/ml

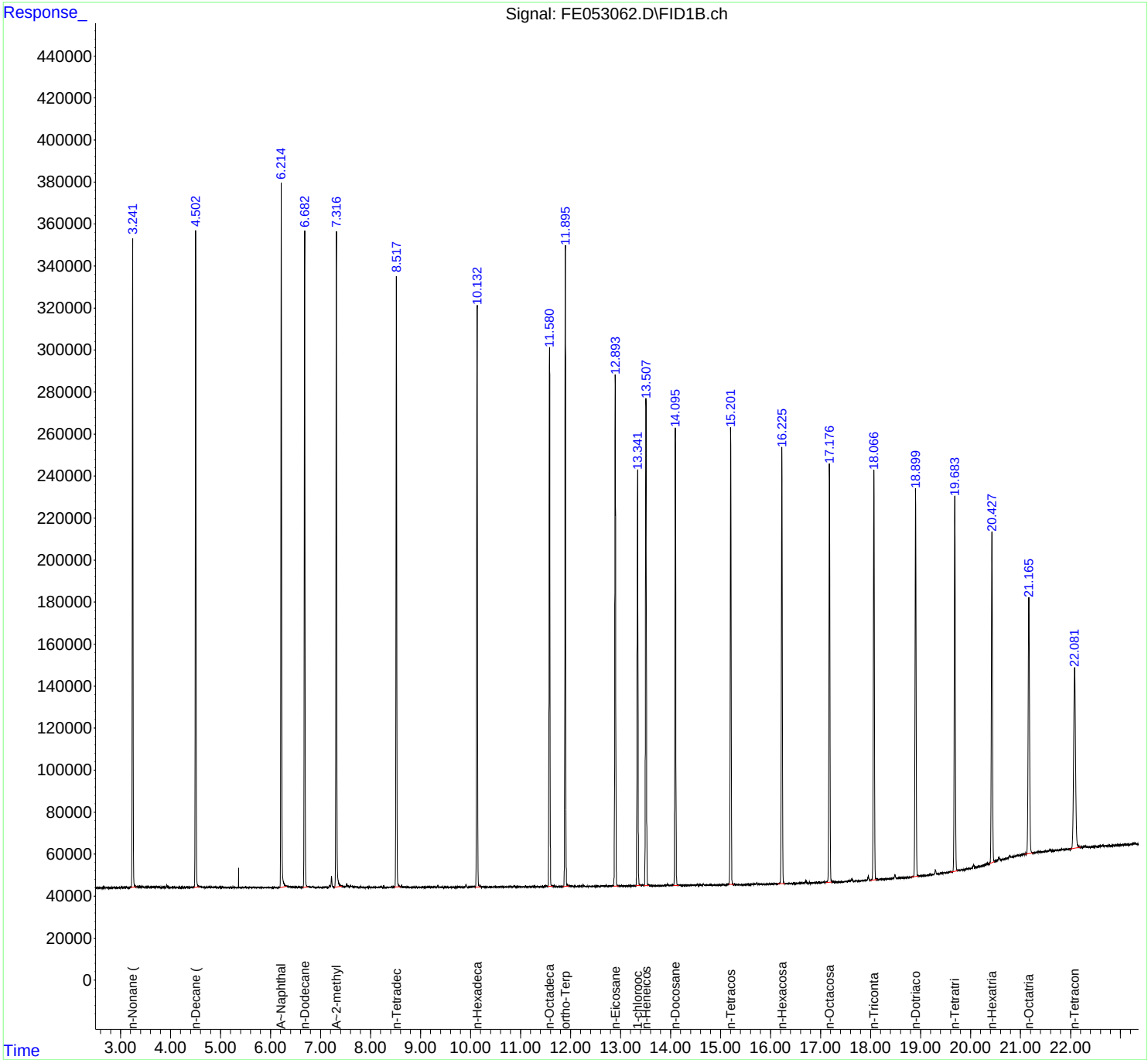
(f)=RT Delta > 1/2 Window (m)=manual int.

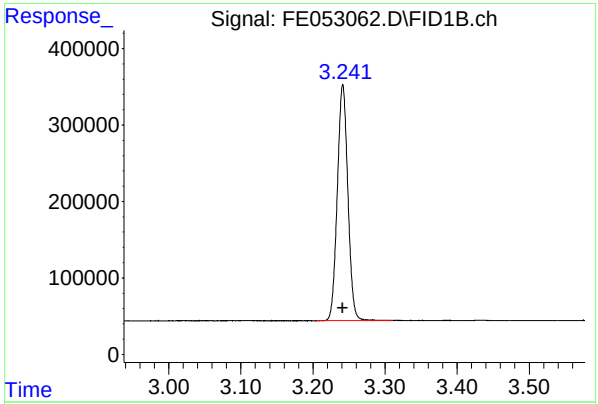
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053062.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 02:10
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 31 02:46:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

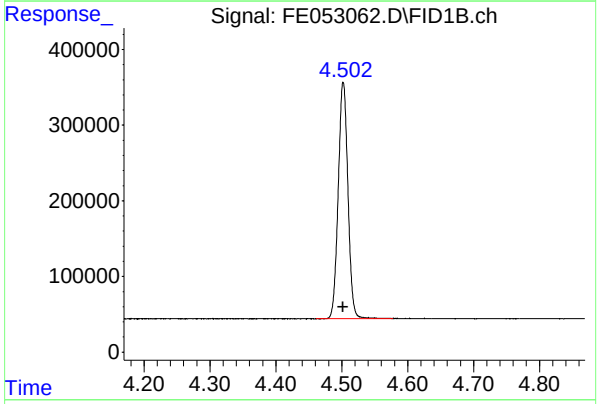




#1 n-Nonane (C9)

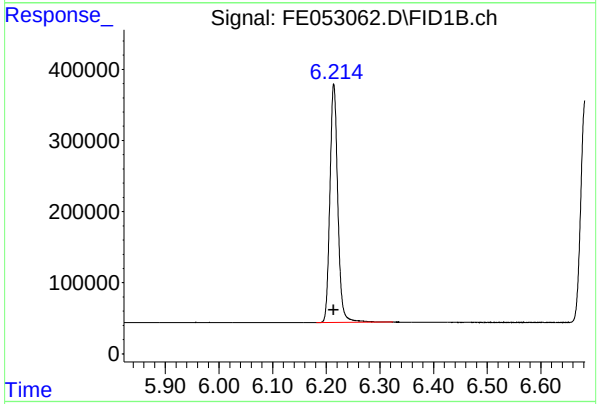
R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 3144906
Conc: 20.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



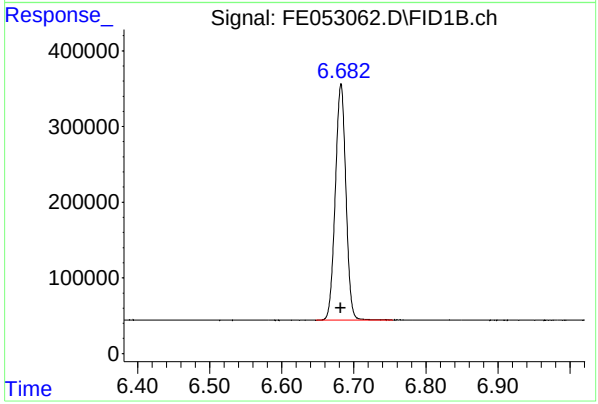
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 3190145
Conc: 20.34 ug/ml



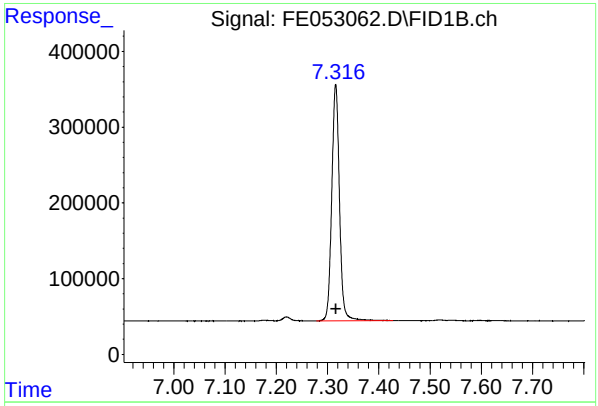
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 3429813
Conc: 20.42 ug/ml



#4 n-Dodecane (C12)

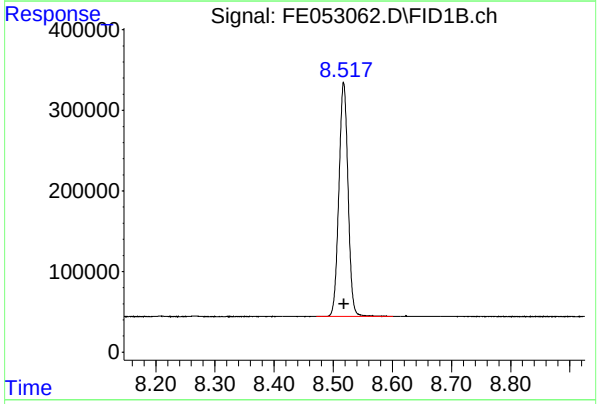
R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 3188817
Conc: 20.39 ug/ml



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

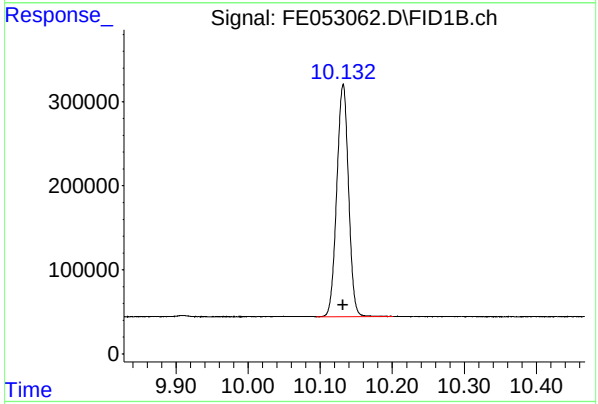
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 3264250
Conc: 20.46 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



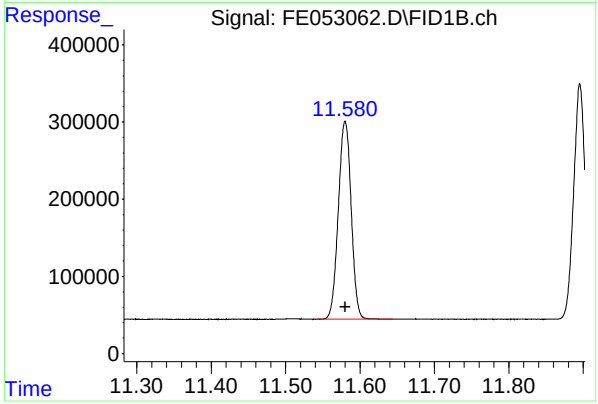
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: 0.000 min
Response: 3114031
Conc: 20.34 ug/ml



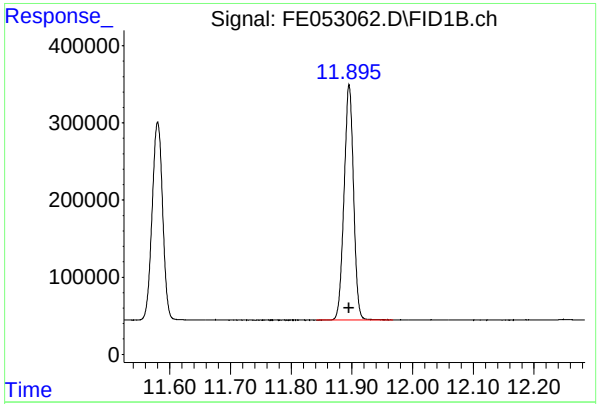
#7 n-Hexadecane (C16)

R.T.: 10.132 min
Delta R.T.: 0.000 min
Response: 3136071
Conc: 20.34 ug/ml



#8 n-Octadecane (C18)

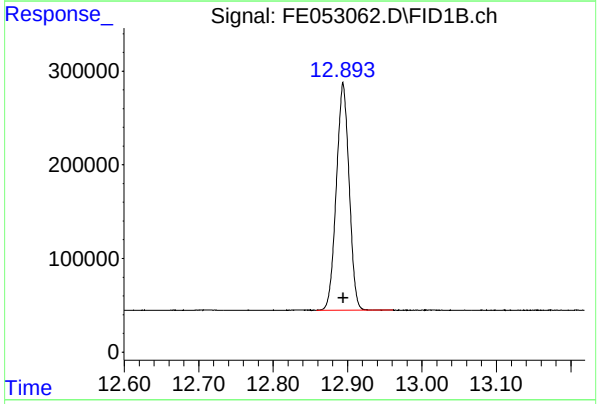
R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 3082468
Conc: 20.32 ug/ml



#9 ortho-Terphenyl (SURR)

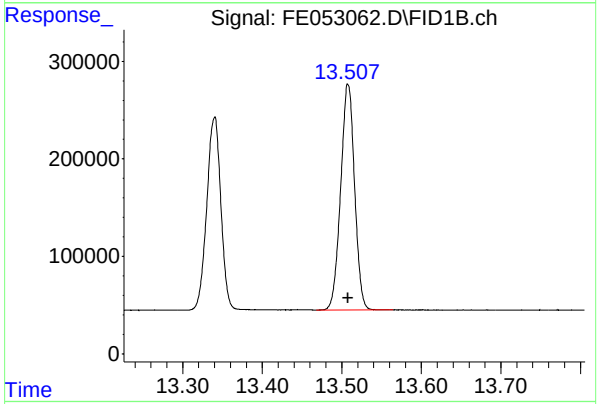
R.T.: 11.896 min
Delta R.T.: 0.000 min
Response: 3305867
Conc: 20.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



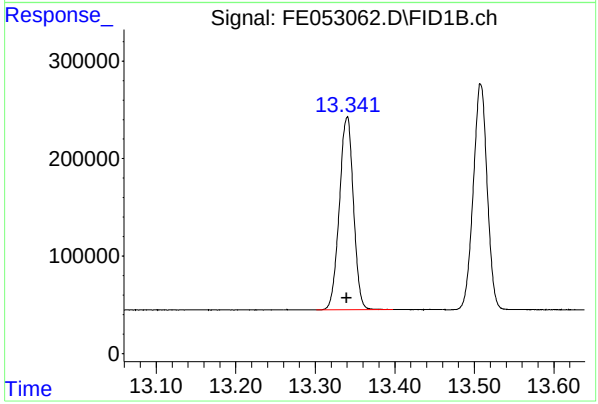
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 2891595
Conc: 20.28 ug/ml



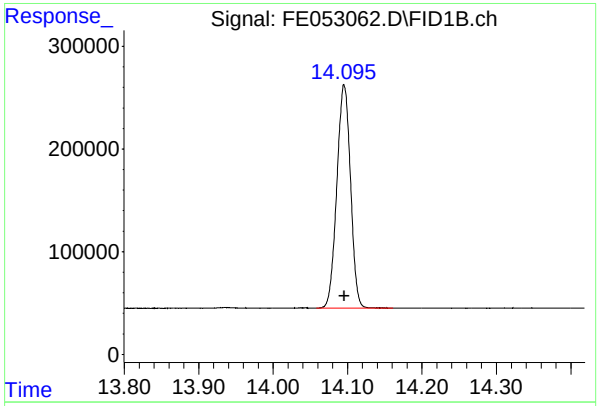
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2818447
Conc: 20.31 ug/ml



#12 1-chlorooctadecane (SURR)

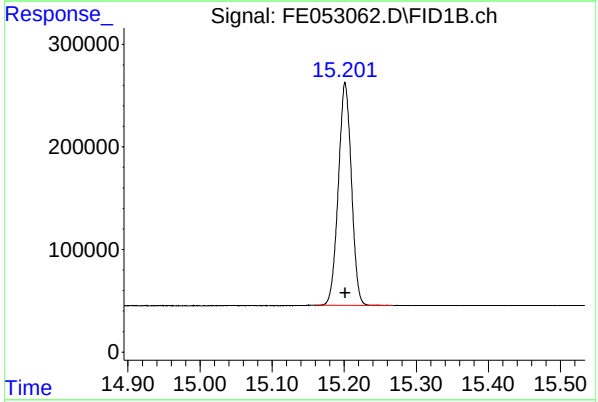
R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2435431
Conc: 20.29 ug/ml



#13 n-Docosane (C22)

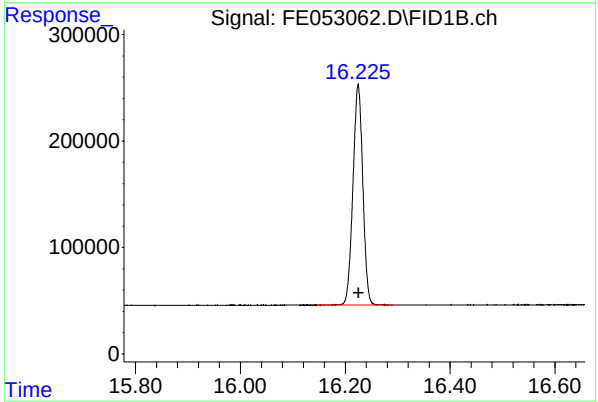
R.T.: 14.095 min
Delta R.T.: 0.000 min
Response: 2782053
Conc: 20.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



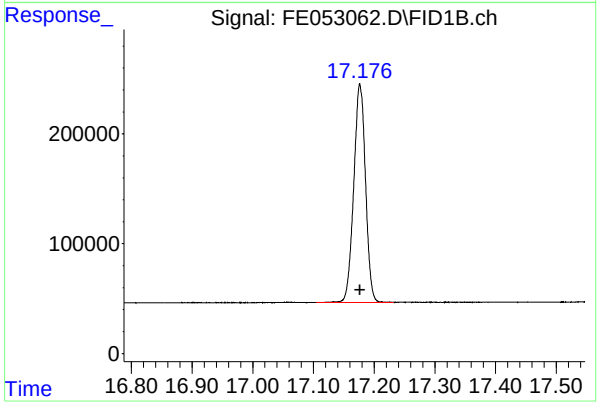
#14 n-Tetracosane (C24)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2739887
Conc: 20.29 ug/ml



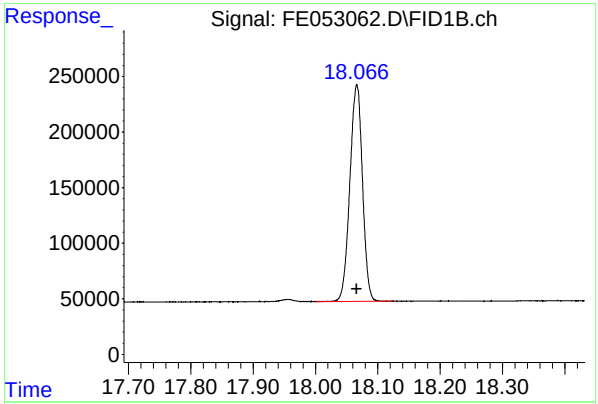
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 2707291
Conc: 20.29 ug/ml



#16 n-Octacosane (C28)

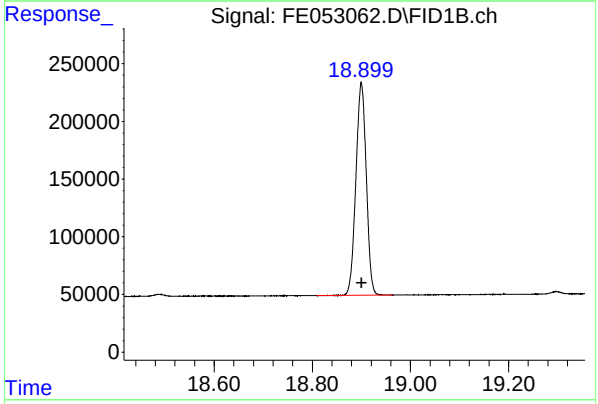
R.T.: 17.177 min
Delta R.T.: 0.000 min
Response: 2675667
Conc: 20.28 ug/ml



#17 n-Tricontane (C30)

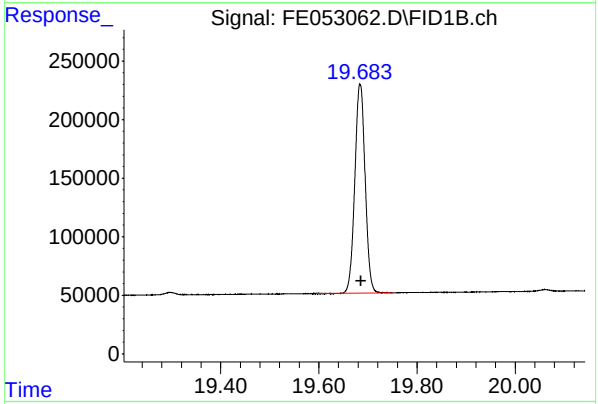
R.T.: 18.066 min
Delta R.T.: 0.000 min
Response: 2741072
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



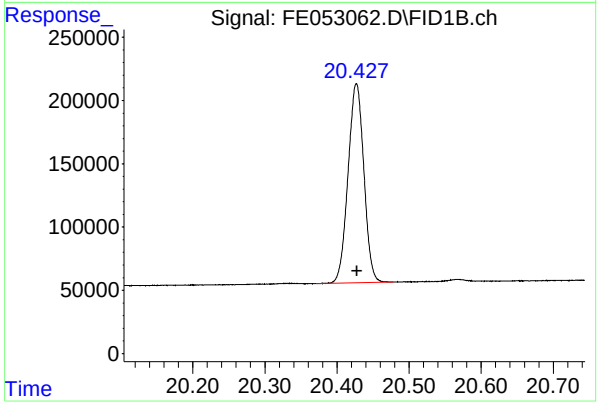
#18 n-Dotriacontane (C32)

R.T.: 18.900 min
Delta R.T.: 0.000 min
Response: 2708370
Conc: 20.13 ug/ml



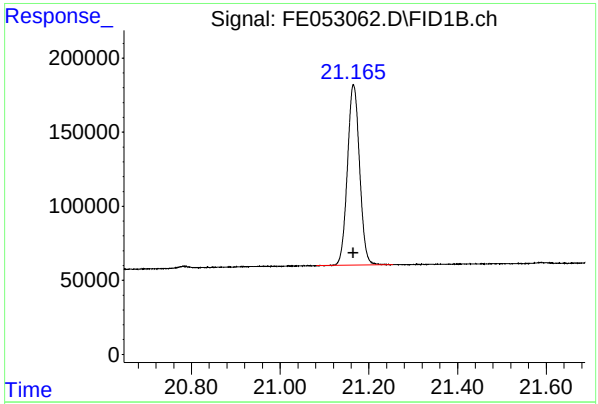
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.002 min
Response: 2604010
Conc: 20.12 ug/ml



#20 n-Hexatriacontane (C36)

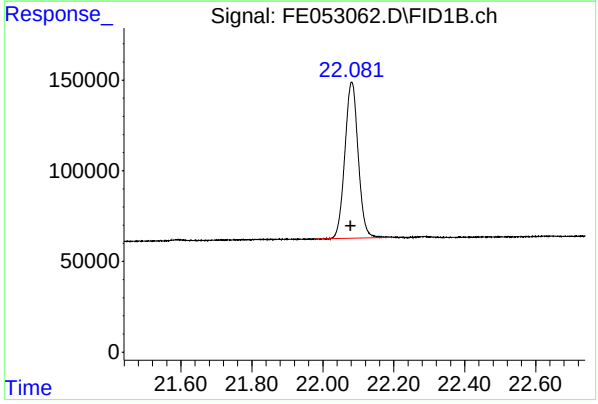
R.T.: 20.427 min
Delta R.T.: 0.000 min
Response: 2402460
Conc: 20.22 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: 0.000 min
Response: 2315805
Conc: 20.15 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.081 min
Delta R.T.: 0.003 min
Response: 2245217
Conc: 19.99 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032925AL\
Data File : FE053062.D
Signal(s) : FID1B.ch
Acq On : 29 Mar 2025 02:10
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.241	3.204	3.311	BB	308166	3144906	91.69%	4.998%
2	4.502	4.461	4.578	BB	312751	3190145	93.01%	5.070%
3	6.214	6.181	6.324	BB	335004	3429813	100.00%	5.451%
4	6.682	6.648	6.754	BB	309371	3188817	92.97%	5.068%
5	7.316	7.278	7.428	BB	310620	3264250	95.17%	5.188%
6	8.518	8.471	8.601	BB	290417	3114031	90.79%	4.949%
7	10.132	10.094	10.201	BB	275477	3136071	91.44%	4.984%
8	11.580	11.541	11.644	BB	256082	3082468	89.87%	4.899%
9	11.896	11.841	11.968	BB	304695	3305867	96.39%	5.254%
10	12.894	12.858	12.961	BB	241705	2891595	84.31%	4.595%
11	13.340	13.301	13.398	BB	200047	2435431	71.01%	3.870%
12	13.508	13.468	13.564	BB	232624	2818447	82.17%	4.479%
13	14.095	14.058	14.161	BB	217474	2782053	81.11%	4.421%
14	15.201	15.161	15.268	BB	216839	2739887	79.88%	4.354%
15	16.225	16.144	16.291	BB	207142	2707291	78.93%	4.302%
16	17.177	17.104	17.231	BB	196888	2675667	78.01%	4.252%
17	18.066	18.001	18.124	BB	195874	2741072	79.92%	4.356%
18	18.900	18.808	18.964	BB	183551	2708370	78.97%	4.304%
19	19.684	19.594	19.751	BB	178652	2604010	75.92%	4.138%
20	20.427	20.371	20.478	BB	157661	2402460	70.05%	3.818%
21	21.166	21.081	21.254	BB	122006	2315805	67.52%	3.680%
22	22.081	21.981	22.198	BB	86097	2245217	65.46%	3.568%
			Sum of corrected areas:			62923673		

Aliphatic EPH 032925.M Mon Mar 31 02:56:04 2025

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

Continuing Calibration Report for SequenceID : FE033125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053070.D**						
Aliphatic C9-C12	10101647.000	60.000	3.141	6.784	168360.783	156032.227	-7.901
Aliphatic C12-C16	6705782.000	40.000	6.785	10.235	167644.550	153631.377	-9.121
Aliphatic C16-C21	9524747.000	60.000	10.236	13.612	158745.783	144337.201	-9.983
Aliphatic C21-C28	11830233.000	80.000	13.613	17.286	147877.913	134347.450	-10.071
Aliphatic C28-C40	15356062.000	120.000	17.287	22.206	127967.183	124256.607	-2.986
Aliphatic EPH	53518471.000	360.000	3.141	22.206	148662.419	138405.582	-7.411

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	31 Mar 2025 14:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053070.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.141	6.784	10101647.000	60.000	ug/ml
Aliphatic C12-C16	6.785	10.235	6705782.000	40.000	ug/ml
Aliphatic C16-C21	10.236	13.612	9524747.000	60.000	ug/ml
Aliphatic C21-C28	13.613	17.286	11830233.000	80.000	ug/ml
Aliphatic C28-C40	17.287	22.206	15356062.000	120.000	ug/ml
Aliphatic EPH	3.141	22.206	53518471.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE033125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053086.D**						
Aliphatic C9-C12	8865929.000	60.000	3.141	6.784	147765.483	156032.227	5.298
Aliphatic C12-C16	6037117.000	40.000	6.785	10.235	150927.925	153631.377	1.760
Aliphatic C16-C21	8611980.000	60.000	10.236	13.612	143533.000	144337.201	0.557
Aliphatic C21-C28	11243627.000	80.000	13.613	17.286	140545.338	134347.450	-4.613
Aliphatic C28-C40	16692620.000	120.000	17.287	22.206	139105.167	124256.607	-11.950
Aliphatic EPH	51451273.000	360.000	3.141	22.206	142920.203	138405.582	-3.262

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	31 Mar 2025 23:05
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053086.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.141	6.784	8865929.000	60.000	ug/ml
Aliphatic C12-C16	6.785	10.235	6037117.000	40.000	ug/ml
Aliphatic C16-C21	10.236	13.612	8611980.000	60.000	ug/ml
Aliphatic C21-C28	13.613	17.286	11243627.000	80.000	ug/ml
Aliphatic C28-C40	17.287	22.206	16692620.000	120.000	ug/ml
Aliphatic EPH	3.141	22.206	51451273.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053089.D**						
Aliphatic C9-C12	9641759.000	60.000	3.141	6.782	160695.983	156032.227	-2.989
Aliphatic C12-C16	6370470.000	40.000	6.783	10.232	159261.750	153631.377	-3.665
Aliphatic C16-C21	9039424.000	60.000	10.233	13.609	150657.067	144337.201	-4.379
Aliphatic C21-C28	11323535.000	80.000	13.610	17.278	141544.188	134347.450	-5.357
Aliphatic C28-C40	15436560.000	120.000	17.279	22.189	128638.000	124256.607	-3.526
Aliphatic EPH	51811748.000	360.000	3.141	22.189	143921.522	138405.582	-3.985

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Apr 2025 07:15
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053089.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.141	6.782	9641759.000	60.000	ug/ml
Aliphatic C12-C16	6.783	10.232	6370470.000	40.000	ug/ml
Aliphatic C16-C21	10.233	13.609	9039424.000	60.000	ug/ml
Aliphatic C21-C28	13.610	17.278	11323535.000	80.000	ug/ml
Aliphatic C28-C40	17.279	22.189	15436560.000	120.000	ug/ml
Aliphatic EPH	3.141	22.189	51811748.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053093.D**						
Aliphatic C9-C12	9633869.000	60.000	3.141	6.782	160564.483	156032.227	-2.905
Aliphatic C12-C16	6368244.000	40.000	6.783	10.232	159206.100	153631.377	-3.629
Aliphatic C16-C21	9013032.000	60.000	10.233	13.609	150217.200	144337.201	-4.074
Aliphatic C21-C28	11327743.000	80.000	13.610	17.278	141596.788	134347.450	-5.396
Aliphatic C28-C40	15471341.000	120.000	17.279	22.189	128927.842	124256.607	-3.759
Aliphatic EPH	51814229.000	360.000	3.141	22.189	143928.414	138405.582	-3.990

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	01 Apr 2025 11:03
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053093.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.141	6.782	9633869.000	60.000	ug/ml
Aliphatic C12-C16	6.783	10.232	6368244.000	40.000	ug/ml
Aliphatic C16-C21	10.233	13.609	9013032.000	60.000	ug/ml
Aliphatic C21-C28	13.610	17.278	11327743.000	80.000	ug/ml
Aliphatic C28-C40	17.279	22.189	15471341.000	120.000	ug/ml
Aliphatic EPH	3.141	22.189	51814229.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053074.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 16:32
Operator : YP\AJ
Sample : Q1675-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P1

Integration File: autoint1.e
Quant Time: Apr 01 01:40:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.900	6575088	40.367 ug/ml
Spiked Amount 50.000		Recovery =	80.73%
12) S 1-chlorooctadecane (S...	13.344	4834527	40.273 ug/ml
Spiked Amount 50.000		Recovery =	80.55%
Target Compounds			

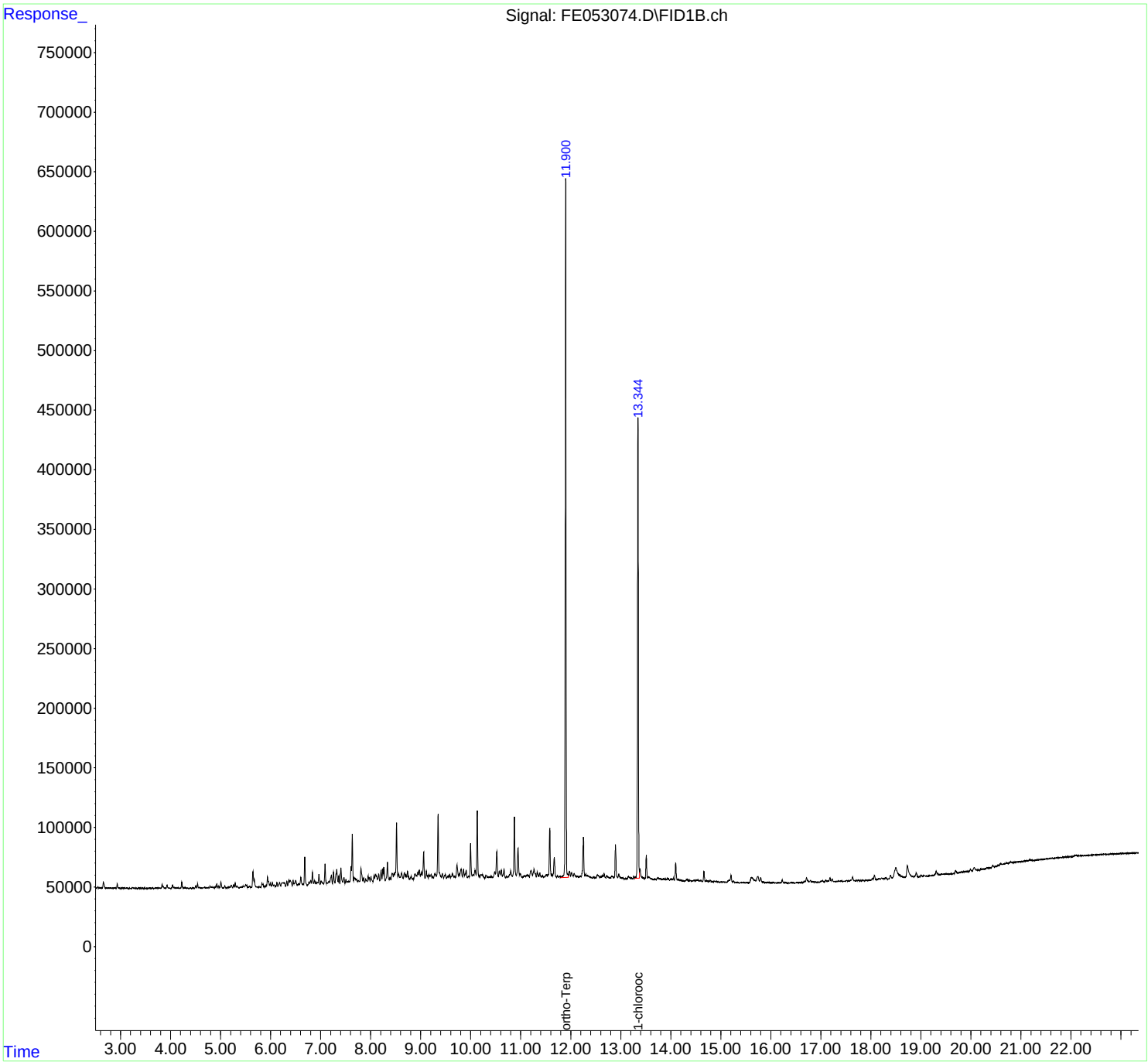
(f)=RT Delta > 1/2 Window (m)=manual int.

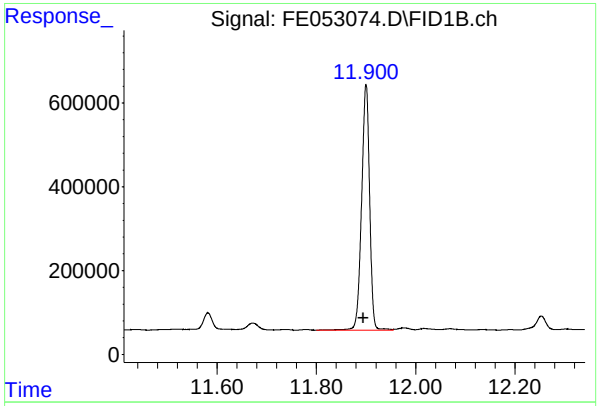
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053074.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 16:32
Operator : YP\AJ
Sample : Q1675-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P1

Integration File: autoint1.e
Quant Time: Apr 01 01:40:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

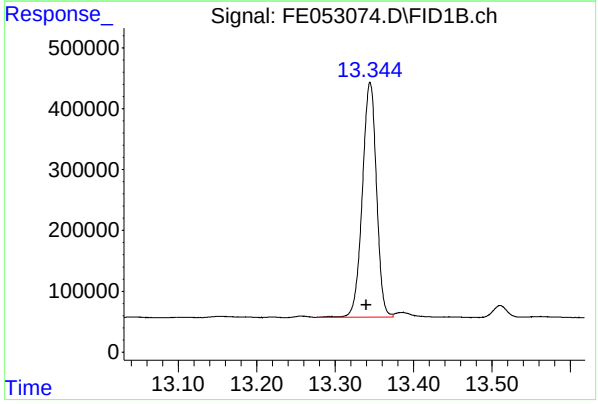




#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min
Delta R.T.: 0.005 min
Response: 6575088
Conc: 40.37 ug/ml

Instrument :
FID_E
ClientSampleId :
P1



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: 0.005 min
Response: 4834527
Conc: 40.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053074.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 16:32
Sample : Q1675-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.876	2.821	2.903	BV	344	3787	0.05%	0.006%
2	2.934	2.903	2.998	PV	3857	44260	0.62%	0.074%
3	3.019	2.998	3.033	VV	162	2519	0.04%	0.004%
4	3.050	3.033	3.069	VV	173	2432	0.03%	0.004%
5	3.075	3.069	3.091	VV	86	681	0.01%	0.001%
6	3.117	3.091	3.151	VV	153	3282	0.05%	0.005%
7	3.160	3.151	3.175	VV	125	1089	0.02%	0.002%
8	3.242	3.175	3.338	VV	632	12610	0.18%	0.021%
9	3.358	3.338	3.369	PV	280	2644	0.04%	0.004%
10	3.381	3.369	3.400	VV	184	2476	0.03%	0.004%
11	3.419	3.400	3.434	VV	187	2357	0.03%	0.004%
12	3.454	3.434	3.511	VV	236	5257	0.07%	0.009%
13	3.557	3.511	3.596	VV	350	7863	0.11%	0.013%
14	3.633	3.596	3.668	VV	231	5907	0.08%	0.010%
15	3.692	3.668	3.711	VV	440	7305	0.10%	0.012%
16	3.730	3.711	3.756	VV	723	9808	0.14%	0.016%
17	3.774	3.756	3.807	VV	344	5904	0.08%	0.010%
18	3.831	3.807	3.846	VV	3520	38891	0.54%	0.065%
19	3.854	3.846	3.902	VV	1746	21241	0.30%	0.035%
20	3.930	3.902	3.987	VV	3078	40310	0.56%	0.067%
21	4.038	3.987	4.098	PV	3041	56386	0.79%	0.094%
22	4.111	4.098	4.131	VV	446	7135	0.10%	0.012%
23	4.151	4.131	4.175	VV	666	10345	0.14%	0.017%
24	4.224	4.175	4.256	VV	5472	67160	0.94%	0.112%
25	4.271	4.256	4.329	VV	626	15024	0.21%	0.025%
26	4.337	4.329	4.364	VV	173	1910	0.03%	0.003%
27	4.396	4.364	4.425	PV	393	6661	0.09%	0.011%
28	4.441	4.425	4.468	VV	498	6438	0.09%	0.011%
29	4.503	4.468	4.521	VV	2277	26664	0.37%	0.044%
30	4.541	4.521	4.562	VV	3884	41625	0.58%	0.069%
31	4.578	4.562	4.598	VV	1007	11945	0.17%	0.020%
32	4.611	4.598	4.640	VV	253	3495	0.05%	0.006%
33	4.677	4.640	4.700	VV	969	19409	0.27%	0.032%
34	4.714	4.700	4.745	VV	503	10704	0.15%	0.018%
35	4.756	4.745	4.769	VV	525	5254	0.07%	0.009%
36	4.788	4.769	4.804	VV	1708	19035	0.27%	0.032%

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37	4.821	4.804	4.876	VV	994	31671	0.44%	0.053%
38	4.893	4.876	4.904	VV	1269	14816	0.21%	0.025%
39	4.923	4.904	4.951	VV	3532	48270	0.67%	0.080%
40	4.965	4.951	4.984	VV	1565	20781	0.29%	0.035%
41	5.007	4.984	5.058	VV	5002	70101	0.98%	0.117%
42	5.085	5.058	5.105	VV	2034	23402	0.33%	0.039%
43	5.119	5.105	5.133	VV	618	6643	0.09%	0.011%
44	5.150	5.133	5.162	VV	840	9954	0.14%	0.017%
45	5.183	5.162	5.195	VV	1140	15275	0.21%	0.025%
46	5.214	5.195	5.241	VV	2350	38255	0.53%	0.064%
47	5.261	5.241	5.276	VV	2947	33226	0.46%	0.055%
48	5.293	5.276	5.312	VV	4245	49220	0.69%	0.082%
49	5.326	5.312	5.365	VV	1804	27509	0.38%	0.046%
50	5.392	5.365	5.405	PV	462	6466	0.09%	0.011%
51	5.425	5.405	5.435	VV	959	12891	0.18%	0.021%
52	5.451	5.435	5.471	VV	1512	22118	0.31%	0.037%
53	5.500	5.471	5.512	VV	2748	42570	0.59%	0.071%
54	5.522	5.512	5.561	VV	2441	36568	0.51%	0.061%
55	5.585	5.561	5.602	VV	1272	19063	0.27%	0.032%
56	5.647	5.602	5.666	VV	13537	196789	2.74%	0.327%
57	5.674	5.666	5.753	VV	7393	110635	1.54%	0.184%
58	5.773	5.753	5.787	VV	797	11878	0.17%	0.020%
59	5.799	5.787	5.806	VV	724	6551	0.09%	0.011%
60	5.828	5.806	5.891	VV	3869	98316	1.37%	0.163%
61	5.911	5.891	5.920	VV	2518	28927	0.40%	0.048%
62	5.939	5.920	5.980	VV	9236	174656	2.43%	0.290%
63	5.995	5.980	6.018	VV	4139	57811	0.81%	0.096%
64	6.035	6.018	6.061	VV	4457	70437	0.98%	0.117%
65	6.074	6.061	6.095	VV	2063	34295	0.48%	0.057%
66	6.127	6.095	6.146	VV	4243	67547	0.94%	0.112%
67	6.180	6.146	6.201	VV	4334	88469	1.23%	0.147%
68	6.256	6.201	6.268	VV	4167	141340	1.97%	0.235%
69	6.278	6.268	6.299	VV	4094	52896	0.74%	0.088%
70	6.325	6.299	6.343	VV	5421	80892	1.13%	0.134%
71	6.365	6.343	6.379	VV	6313	100044	1.39%	0.166%
72	6.392	6.379	6.433	VV	6067	142660	1.99%	0.237%
73	6.450	6.433	6.466	VV	5908	77152	1.08%	0.128%
74	6.502	6.466	6.536	VV	5920	162621	2.27%	0.270%
75	6.555	6.536	6.581	VV	3140	72433	1.01%	0.120%
76	6.605	6.581	6.638	VV	8651	161945	2.26%	0.269%
77	6.649	6.638	6.660	VV	2937	35807	0.50%	0.060%
78	6.684	6.660	6.731	VV	25465	355847	4.96%	0.592%
79	6.768	6.731	6.783	VV	4663	94797	1.32%	0.158%
80	6.802	6.783	6.817	VV	5878	94188	1.31%	0.157%
81	6.837	6.817	6.862	VV	12689	192465	2.68%	0.320%
82	6.881	6.862	6.898	VV	5529	94067	1.31%	0.156%
83	6.911	6.898	6.923	VV	4451	55776	0.78%	0.093%
84	6.938	6.923	6.948	VV	4310	58839	0.82%	0.098%
85	6.967	6.948	6.989	VV	10774	148725	2.07%	0.247%
86	7.012	6.989	7.038	VV	5264	118484	1.65%	0.197%
87	7.046	7.038	7.060	VV	3785	42638	0.59%	0.071%
88	7.089	7.060	7.117	VV	19542	287340	4.01%	0.478%
89	7.131	7.117	7.145	VV	3796	58115	0.81%	0.097%

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90	7.165	7.145	7.180	VV	4961	91048	1.27%	0.151%
91	7.214	7.180	7.236	VV	9987	218471	3.05%	0.363%
92	7.258	7.236	7.286	VV	12649	211770	2.95%	0.352%
93	7.323	7.286	7.348	VV	14748	333575	4.65%	0.555%
94	7.364	7.348	7.383	VV	9639	134866	1.88%	0.224%
95	7.406	7.383	7.443	VV	15994	288989	4.03%	0.480%
96	7.467	7.443	7.488	VV	7989	158984	2.22%	0.264%
97	7.507	7.488	7.524	VV	6484	105530	1.47%	0.175%
98	7.538	7.524	7.547	VV	4636	59205	0.83%	0.098%
99	7.558	7.547	7.568	VV	4602	56644	0.79%	0.094%
100	7.609	7.568	7.617	VV	17276	258215	3.60%	0.429%
101	7.634	7.617	7.657	VV	44458	553796	7.72%	0.921%
102	7.670	7.657	7.712	VV	8100	223579	3.12%	0.372%
103	7.720	7.712	7.743	VV	6524	105815	1.47%	0.176%
104	7.757	7.743	7.785	VV	5433	121804	1.70%	0.202%
105	7.808	7.785	7.843	VV	15579	335570	4.68%	0.558%
106	7.861	7.843	7.882	VV	7672	137955	1.92%	0.229%
107	7.902	7.882	7.931	VV	6626	154125	2.15%	0.256%
108	7.949	7.931	7.962	VV	9067	130110	1.81%	0.216%
109	7.972	7.962	7.990	VV	7948	112763	1.57%	0.187%
110	8.006	7.990	8.044	VV	8388	198817	2.77%	0.331%
111	8.069	8.044	8.081	VV	9342	155967	2.17%	0.259%
112	8.099	8.081	8.137	VV	10438	290410	4.05%	0.483%
113	8.163	8.137	8.183	VV	10674	214768	2.99%	0.357%
114	8.210	8.183	8.227	VV	13707	238705	3.33%	0.397%
115	8.245	8.227	8.255	VV	14943	191985	2.68%	0.319%
116	8.267	8.255	8.292	VV	16402	233583	3.26%	0.388%
117	8.337	8.292	8.369	VV	20525	449146	6.26%	0.747%
118	8.388	8.369	8.406	VV	7404	145424	2.03%	0.242%
119	8.429	8.406	8.454	VV	11183	268544	3.74%	0.446%
120	8.468	8.454	8.481	VV	11104	168922	2.35%	0.281%
121	8.519	8.481	8.546	VV	53246	852092	11.88%	1.417%
122	8.562	8.546	8.583	VV	10300	203081	2.83%	0.338%
123	8.619	8.583	8.649	VV	11273	352330	4.91%	0.586%
124	8.676	8.649	8.693	VV	11548	246346	3.43%	0.410%
125	8.705	8.693	8.720	VV	10264	146767	2.05%	0.244%
126	8.739	8.720	8.782	VV	12858	333985	4.66%	0.555%
127	8.812	8.782	8.836	VV	8396	227413	3.17%	0.378%
128	8.849	8.836	8.861	VV	6821	94085	1.31%	0.156%
129	8.893	8.861	8.922	VV	10457	330548	4.61%	0.549%
130	8.943	8.922	8.956	VV	11622	213882	2.98%	0.356%
131	8.973	8.956	8.995	VV	13753	258448	3.60%	0.430%
132	9.015	8.995	9.029	VV	12212	215705	3.01%	0.359%
133	9.060	9.029	9.088	VV	28938	538304	7.50%	0.895%
134	9.114	9.088	9.152	VV	13077	354791	4.95%	0.590%
135	9.169	9.152	9.191	VV	9550	197252	2.75%	0.328%
136	9.208	9.191	9.228	VV	10007	193365	2.70%	0.321%
137	9.241	9.228	9.255	VV	7923	124013	1.73%	0.206%
138	9.288	9.255	9.309	VV	10552	294708	4.11%	0.490%
139	9.349	9.309	9.414	VV	60537	1152327	16.06%	1.916%
140	9.435	9.414	9.459	VV	10714	239929	3.34%	0.399%
141	9.494	9.459	9.516	VV	9801	281890	3.93%	0.469%

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142	9.550	9.516	9.563	VV	8767	217831	3.04%	0.362%
143	9.580	9.563	9.601	VV	9996	196975	2.75%	0.327%
144	9.634	9.601	9.669	VV	10653	347852	4.85%	0.578%
145	9.682	9.669	9.698	VV	8504	136993	1.91%	0.228%
146	9.727	9.698	9.758	VV	17609	434024	6.05%	0.722%
147	9.771	9.758	9.781	VV	10165	133454	1.86%	0.222%
148	9.810	9.781	9.835	VV	14098	366423	5.11%	0.609%
149	9.858	9.835	9.877	VV	14071	271417	3.78%	0.451%
150	9.911	9.877	9.937	VV	13243	360148	5.02%	0.599%
151	9.960	9.937	9.974	VV	8392	170150	2.37%	0.283%
152	9.999	9.974	10.030	VV	35658	574442	8.01%	0.955%
153	10.046	10.030	10.061	VV	9416	168353	2.35%	0.280%
154	10.087	10.061	10.108	VV	12886	309762	4.32%	0.515%
155	10.132	10.108	10.182	VV	62351	966652	13.47%	1.607%
156	10.209	10.182	10.226	VV	9454	233071	3.25%	0.387%
157	10.237	10.226	10.280	VV	9198	250553	3.49%	0.417%
158	10.306	10.280	10.332	VV	8887	241612	3.37%	0.402%
159	10.345	10.332	10.356	VV	7492	100554	1.40%	0.167%
160	10.367	10.356	10.391	VV	7564	155951	2.17%	0.259%
161	10.408	10.391	10.428	VV	8128	166418	2.32%	0.277%
162	10.482	10.428	10.495	VV	11802	356038	4.96%	0.592%
163	10.523	10.495	10.552	VV	28804	572318	7.98%	0.951%
164	10.573	10.552	10.593	VV	12155	252635	3.52%	0.420%
165	10.613	10.593	10.634	VV	12995	258842	3.61%	0.430%
166	10.668	10.634	10.696	VV	13694	358071	4.99%	0.595%
167	10.718	10.696	10.731	VV	7665	154611	2.16%	0.257%
168	10.802	10.731	10.834	VV	12411	544169	7.59%	0.905%
169	10.875	10.834	10.913	VV	57542	971929	13.55%	1.616%
170	10.947	10.913	10.976	VV	31325	649413	9.05%	1.080%
171	10.993	10.976	11.043	VV	9746	328156	4.57%	0.546%
172	11.088	11.043	11.103	VV	8072	272633	3.80%	0.453%
173	11.133	11.103	11.173	VV	8636	341120	4.75%	0.567%
174	11.204	11.173	11.236	VV	12368	389486	5.43%	0.647%
175	11.268	11.236	11.312	VV	13644	466341	6.50%	0.775%
176	11.332	11.312	11.365	VV	11387	289150	4.03%	0.481%
177	11.384	11.365	11.413	VV	10578	240190	3.35%	0.399%
178	11.438	11.413	11.462	VV	8114	215997	3.01%	0.359%
179	11.520	11.462	11.538	VV	8802	360514	5.03%	0.599%
180	11.582	11.538	11.638	VV	47922	972372	13.55%	1.616%
181	11.672	11.638	11.715	VV	23467	573886	8.00%	0.954%
182	11.737	11.715	11.759	VV	7806	191405	2.67%	0.318%
183	11.778	11.759	11.799	VV	7579	170556	2.38%	0.284%
184	11.900	11.799	11.954	VV	596361	7174240	100.00%	11.926%
185	11.977	11.954	11.999	VV	11590	259587	3.62%	0.432%
186	12.017	11.999	12.049	VV	10418	258123	3.60%	0.429%
187	12.069	12.049	12.110	VV	9669	298092	4.16%	0.496%
188	12.134	12.110	12.167	VV	7565	241653	3.37%	0.402%
189	12.191	12.167	12.211	VV	7497	183867	2.56%	0.306%
190	12.253	12.211	12.285	VV	39901	766420	10.68%	1.274%
191	12.303	12.285	12.428	VV	8815	613090	8.55%	1.019%
192	12.454	12.428	12.500	VV	6492	258701	3.61%	0.430%
193	12.530	12.500	12.580	VV	8316	344517	4.80%	0.573%
194	12.596	12.580	12.606	VV	6810	102798	1.43%	0.171%

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195	12.637	12.606	12.651	VV	7893	195383	2.72%	0.325%
196	12.667	12.651	12.699	VV	9415	214811	2.99%	0.357%
197	12.721	12.699	12.790	VV	7689	345205	4.81%	0.574%
198	12.821	12.790	12.858	VV	7167	261789	3.65%	0.435%
199	12.896	12.858	12.938	VV	33501	631512	8.80%	1.050%
200	12.961	12.938	13.005	VV	8906	273899	3.82%	0.455%
201	13.011	13.005	13.025	VV	5681	66701	0.93%	0.111%
202	13.042	13.025	13.083	VV	5679	180912	2.52%	0.301%
203	13.109	13.083	13.131	VV	5181	142054	1.98%	0.236%
204	13.154	13.131	13.205	VV	6789	258572	3.60%	0.430%
205	13.219	13.205	13.237	VV	5596	98564	1.37%	0.164%
206	13.258	13.237	13.276	VV	6985	136721	1.91%	0.227%
207	13.293	13.276	13.303	VV	6442	97662	1.36%	0.162%
208	13.344	13.303	13.374	VV	391810	5047793	70.36%	8.391%
209	13.385	13.374	13.475	VV	13081	441829	6.16%	0.734%
210	13.511	13.475	13.539	VV	24462	427677	5.96%	0.711%
211	13.562	13.539	13.636	VV	6228	299111	4.17%	0.497%
212	13.647	13.636	13.665	VV	4212	70191	0.98%	0.117%
213	13.678	13.665	13.708	VV	4388	105010	1.46%	0.175%
214	13.741	13.708	13.804	VV	5630	274313	3.82%	0.456%
215	13.820	13.804	13.838	VV	4453	83196	1.16%	0.138%
216	13.857	13.838	13.874	VV	4732	91615	1.28%	0.152%
217	13.890	13.874	13.914	VV	4598	100926	1.41%	0.168%
218	13.937	13.914	13.980	VV	5082	166403	2.32%	0.277%
219	14.006	13.980	14.029	VV	4275	116140	1.62%	0.193%
220	14.050	14.029	14.070	VV	5174	105024	1.46%	0.175%
221	14.097	14.070	14.138	VV	17790	321141	4.48%	0.534%
222	14.154	14.138	14.172	VV	3702	74800	1.04%	0.124%
223	14.180	14.172	14.231	VV	3575	109747	1.53%	0.182%
224	14.243	14.231	14.268	VV	2836	60013	0.84%	0.100%
225	14.319	14.268	14.353	VV	4067	159819	2.23%	0.266%
226	14.366	14.353	14.385	VV	3054	55201	0.77%	0.092%
227	14.396	14.385	14.420	VV	2870	56085	0.78%	0.093%
228	14.432	14.420	14.445	VV	2683	38520	0.54%	0.064%
229	14.461	14.445	14.478	VV	3159	55711	0.78%	0.093%
230	14.488	14.478	14.498	VV	2782	32314	0.45%	0.054%
231	14.515	14.498	14.561	VV	3287	114001	1.59%	0.190%
232	14.571	14.561	14.591	VV	2812	48131	0.67%	0.080%
233	14.607	14.591	14.630	VV	2935	59098	0.82%	0.098%
234	14.662	14.630	14.703	VV	10553	197845	2.76%	0.329%
235	14.723	14.703	14.761	VV	2588	80205	1.12%	0.133%
236	14.791	14.761	14.815	VV	2891	73412	1.02%	0.122%
237	14.828	14.815	14.843	VV	1872	28595	0.40%	0.048%
238	14.870	14.843	14.898	VV	2073	61495	0.86%	0.102%
239	14.914	14.898	14.935	VV	2029	40148	0.56%	0.067%
240	14.945	14.935	14.970	VV	1698	32764	0.46%	0.054%
241	14.985	14.970	14.994	VV	1451	18763	0.26%	0.031%
242	15.015	14.994	15.029	VV	1488	29269	0.41%	0.049%
243	15.056	15.029	15.075	VV	1598	38767	0.54%	0.064%
244	15.098	15.075	15.120	VV	1381	33808	0.47%	0.056%
245	15.203	15.120	15.231	VV	7129	201853	2.81%	0.336%
246	15.251	15.231	15.322	VV	2319	73286	1.02%	0.122%

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247	15.335	15.322	15.374	VV	936	24366	0.34%	0.041%
248	15.399	15.374	15.430	VV	1019	26572	0.37%	0.044%
249	15.452	15.430	15.491	VV	861	24182	0.34%	0.040%
250	15.538	15.491	15.558	VV	709	22879	0.32%	0.038%
251	15.613	15.558	15.702	VV	4917	255903	3.57%	0.425%
252	15.741	15.702	15.771	VV	5790	163744	2.28%	0.272%
253	15.796	15.771	15.848	VV	4758	107092	1.49%	0.178%
254	15.854	15.848	15.888	VV	1003	18151	0.25%	0.030%
255	15.906	15.888	15.925	VV	691	12883	0.18%	0.021%
256	15.982	15.925	16.011	VV	654	27227	0.38%	0.045%
257	16.050	16.011	16.088	VV	671	18195	0.25%	0.030%
258	16.101	16.088	16.130	VV	363	6734	0.09%	0.011%
259	16.151	16.130	16.175	VV	386	7409	0.10%	0.012%
260	16.190	16.175	16.201	VV	449	6117	0.09%	0.010%
261	16.229	16.201	16.266	VV	2434	39061	0.54%	0.065%
262	16.293	16.266	16.348	VV	499	12298	0.17%	0.020%
263	16.357	16.348	16.380	VV	130	1842	0.03%	0.003%
264	16.425	16.380	16.474	PV	368	10696	0.15%	0.018%
265	16.527	16.474	16.548	PV	480	9514	0.13%	0.016%
266	16.557	16.548	16.578	VV	248	3372	0.05%	0.006%
267	16.590	16.578	16.603	VV	202	2372	0.03%	0.004%
268	16.624	16.603	16.635	VV	294	4122	0.06%	0.007%
269	16.677	16.635	16.691	VV	1232	23613	0.33%	0.039%
270	16.712	16.691	16.770	VV	4227	95723	1.33%	0.159%
271	16.794	16.770	16.825	VV	1898	36380	0.51%	0.060%
272	16.844	16.825	16.967	VV	715	27773	0.39%	0.046%
273	17.002	16.967	17.014	PV	824	11864	0.17%	0.020%
274	17.034	17.014	17.067	VV	1337	25422	0.35%	0.042%
275	17.096	17.067	17.127	VV	1546	33715	0.47%	0.056%
276	17.181	17.127	17.207	VV	3495	77264	1.08%	0.128%
277	17.227	17.207	17.291	VV	2510	45271	0.63%	0.075%
278	17.299	17.291	17.318	VV	306	3728	0.05%	0.006%
279	17.368	17.318	17.379	VV	381	11410	0.16%	0.019%
280	17.421	17.379	17.442	VV	524	13985	0.19%	0.023%
281	17.517	17.442	17.536	PV	916	18748	0.26%	0.031%
282	17.633	17.536	17.693	VV	3456	83551	1.16%	0.139%
283	17.748	17.693	17.788	VV	685	23491	0.33%	0.039%
284	17.805	17.788	17.824	VV	292	4694	0.07%	0.008%
285	17.839	17.824	17.865	VV	269	4261	0.06%	0.007%
286	17.869	17.865	17.875	VV	258	1057	0.01%	0.002%
287	17.916	17.875	17.938	VV	342	7582	0.11%	0.013%
288	17.972	17.938	17.981	PV	373	5887	0.08%	0.010%
289	17.988	17.981	17.997	VV	315	2532	0.04%	0.004%
290	18.071	17.997	18.108	VV	4124	95929	1.34%	0.159%
291	18.164	18.108	18.184	VV	912	23243	0.32%	0.039%
292	18.215	18.184	18.233	VV	1514	27746	0.39%	0.046%
293	18.249	18.233	18.275	VV	875	17898	0.25%	0.030%
294	18.299	18.275	18.331	VV	1421	25158	0.35%	0.042%
295	18.393	18.331	18.423	PV	3014	55531	0.77%	0.092%
296	18.498	18.423	18.680	VV	9239	515423	7.18%	0.857%
297	18.729	18.680	18.853	VV	10123	339118	4.73%	0.564%
298	18.906	18.853	18.961	VV	3539	73909	1.03%	0.123%
299	19.006	18.961	19.038	VV	907	19888	0.28%	0.033%

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300	19.055	19.038	19.081	VV	650	13652	0.19%	0.023%
301	19.084	19.081	19.133	VV	540	7566	0.11%	0.013%
302	19.167	19.133	19.181	PV	232	3819	0.05%	0.006%
303	19.189	19.181	19.197	VV	172	1090	0.02%	0.002%
304	19.221	19.197	19.239	VV	373	4971	0.07%	0.008%
305	19.306	19.239	19.376	VV	3209	91022	1.27%	0.151%
306	19.409	19.376	19.418	VV	583	11500	0.16%	0.019%
307	19.501	19.418	19.532	VV	411	25369	0.35%	0.042%
308	19.555	19.532	19.584	VV	290	6136	0.09%	0.010%
309	19.601	19.584	19.616	VV	163	1685	0.02%	0.003%
310	19.694	19.616	19.764	PV	2403	50007	0.70%	0.083%
311	19.812	19.764	19.845	VV	503	16218	0.23%	0.027%
312	19.891	19.845	19.914	VV	386	11854	0.17%	0.020%
313	19.990	19.914	20.018	VV	1569	31368	0.44%	0.052%
314	20.066	20.018	20.139	VV	2775	77704	1.08%	0.129%
315	20.348	20.139	20.373	VV	747	61475	0.86%	0.102%
316	20.438	20.373	20.471	VV	2165	68623	0.96%	0.114%
317	20.594	20.471	20.632	VV	2861	172594	2.41%	0.287%
318	20.708	20.632	20.745	VV	2931	157358	2.19%	0.262%
319	20.798	20.745	20.859	VV	3187	177971	2.48%	0.296%
320	21.178	20.859	21.231	VV	2889	514352	7.17%	0.855%
321	21.607	21.231	21.642	VV	1645	403634	5.63%	0.671%
322	21.854	21.642	21.864	VV	1029	148181	2.07%	0.246%
323	21.879	21.864	21.890	VV	972	14269	0.20%	0.024%
324	21.942	21.890	21.951	VV	791	29243	0.41%	0.049%
325	22.099	21.951	22.146	VV	1316	87071	1.21%	0.145%
326	22.175	22.146	22.201	VV	376	11255	0.16%	0.019%
327	22.215	22.201	22.227	VV	163	2246	0.03%	0.004%

Sum of corrected areas: 60154453

Aliphatic EPH 032925.M Tue Apr 01 02:23:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053075.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 17:02
Operator : YP\AJ
Sample : Q1675-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P2

Integration File: autoint1.e
Quant Time: Apr 01 01:40:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.900	6274385	38.521 ug/ml
Spiked Amount 50.000		Recovery =	77.04%
12) S 1-chlorooctadecane (S...	13.344	4598873	38.310 ug/ml
Spiked Amount 50.000		Recovery =	76.62%
Target Compounds			

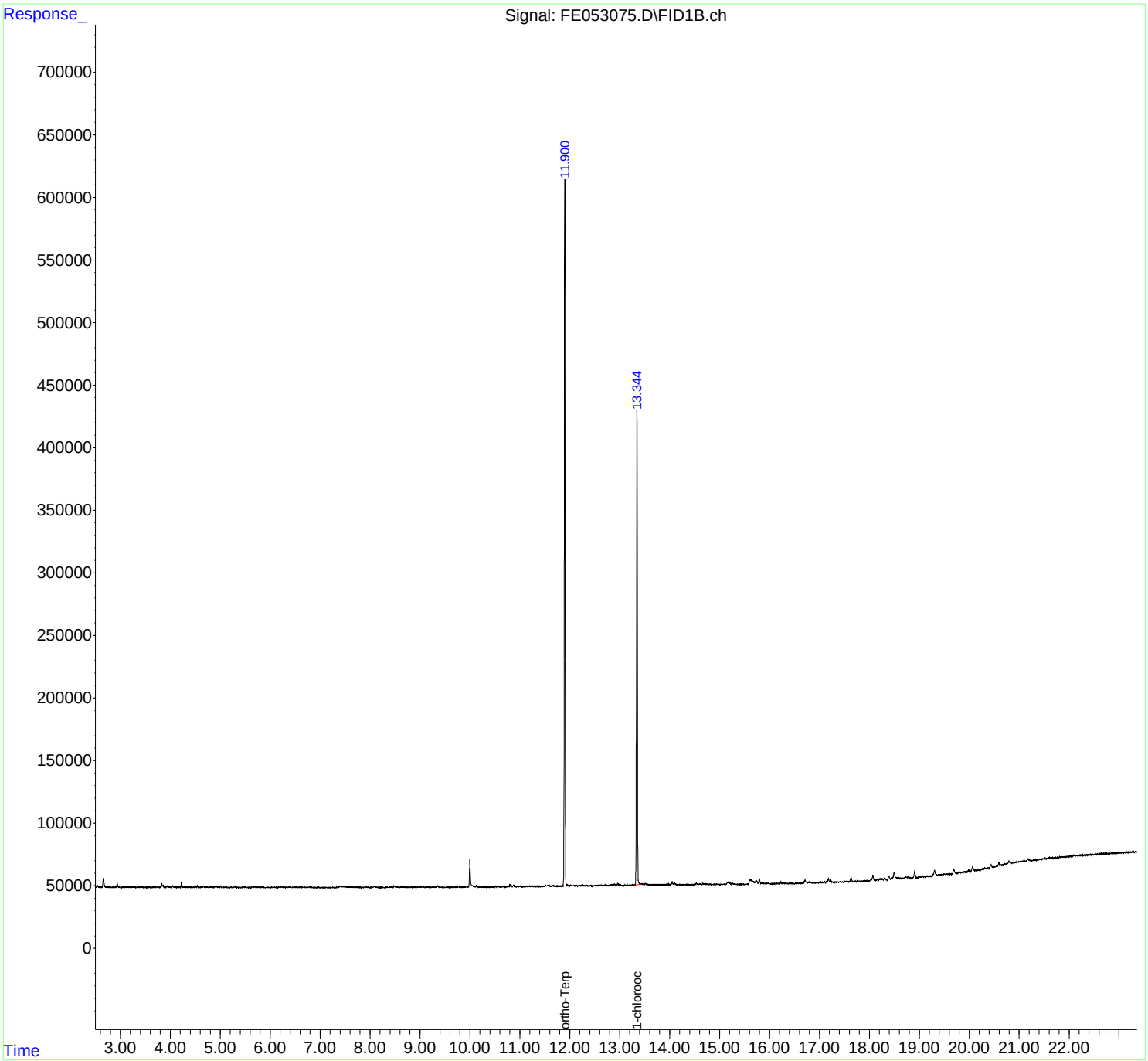
(f)=RT Delta > 1/2 Window (m)=manual int.

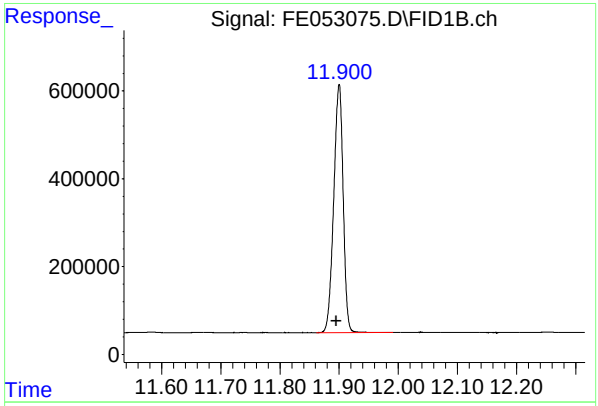
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053075.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 17:02
Operator : YP\AJ
Sample : Q1675-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P2

Integration File: autoint1.e
Quant Time: Apr 01 01:40:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

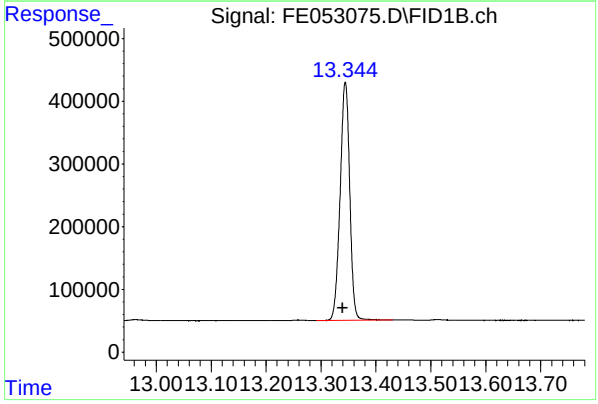




#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min
Delta R.T.: 0.005 min
Response: 6274385
Conc: 38.52 ug/ml

Instrument :
FID_E
ClientSampleId :
P2



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: 0.005 min
Response: 4598873
Conc: 38.31 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053075.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 17:02
Sample : Q1675-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.877	2.801	2.905	BV	205	2721	0.04%	0.016%
2	2.935	2.905	3.001	PV	2957	36458	0.58%	0.215%
3	3.019	3.001	3.028	VV	182	1995	0.03%	0.012%
4	3.045	3.028	3.100	VV	155	4216	0.07%	0.025%
5	3.115	3.100	3.148	VV	215	3384	0.05%	0.020%
6	3.163	3.148	3.223	VV	203	5235	0.08%	0.031%
7	3.244	3.223	3.344	VV	481	12730	0.20%	0.075%
8	3.360	3.344	3.374	VV	244	3111	0.05%	0.018%
9	3.411	3.374	3.468	VV	225	8976	0.14%	0.053%
10	3.479	3.468	3.501	VV	165	2747	0.04%	0.016%
11	3.525	3.501	3.544	VV	196	3659	0.06%	0.022%
12	3.558	3.544	3.572	VV	237	2780	0.04%	0.016%
13	3.582	3.572	3.594	VV	152	1733	0.03%	0.010%
14	3.612	3.594	3.627	VV	180	2574	0.04%	0.015%
15	3.663	3.627	3.678	VV	181	3796	0.06%	0.022%
16	3.687	3.678	3.709	VV	245	3410	0.05%	0.020%
17	3.730	3.709	3.764	VV	542	10089	0.16%	0.059%
18	3.775	3.764	3.800	VV	241	3766	0.06%	0.022%
19	3.831	3.800	3.846	VV	2949	33243	0.53%	0.196%
20	3.854	3.846	3.910	VV	1465	21617	0.34%	0.127%
21	3.930	3.910	4.001	VV	1455	21581	0.34%	0.127%
22	4.009	4.001	4.018	VV	235	1888	0.03%	0.011%
23	4.039	4.018	4.130	VV	1304	34460	0.55%	0.203%
24	4.149	4.130	4.194	VV	358	9749	0.16%	0.057%
25	4.225	4.194	4.266	VV	4121	51879	0.83%	0.305%
26	4.275	4.266	4.331	VV	341	9878	0.16%	0.058%
27	4.349	4.331	4.380	VV	293	6972	0.11%	0.041%
28	4.391	4.380	4.435	VV	239	7134	0.11%	0.042%
29	4.443	4.435	4.482	VV	281	5265	0.08%	0.031%
30	4.503	4.482	4.523	VV	618	9361	0.15%	0.055%
31	4.541	4.523	4.566	VV	1243	15689	0.25%	0.092%
32	4.577	4.566	4.609	VV	370	6909	0.11%	0.041%
33	4.624	4.609	4.641	VV	336	4773	0.08%	0.028%
34	4.660	4.641	4.711	VV	561	14721	0.23%	0.087%
35	4.725	4.711	4.737	VV	283	4002	0.06%	0.024%
36	4.765	4.737	4.776	VV	361	7283	0.12%	0.043%

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37	4.841	4.776	4.875	VV	650	27983	0.45%	0.165%
38	4.892	4.875	4.906	VV	600	8764	0.14%	0.052%
39	4.923	4.906	4.947	VV	994	14557	0.23%	0.086%
40	4.966	4.947	4.991	VV	642	11768	0.19%	0.069%
41	5.007	4.991	5.059	VV	814	14151	0.23%	0.083%
42	5.085	5.059	5.146	VV	447	9808	0.16%	0.058%
43	5.166	5.146	5.183	PV	155	2277	0.04%	0.013%
44	5.214	5.183	5.248	VV	861	14108	0.22%	0.083%
45	5.262	5.248	5.274	VV	351	3733	0.06%	0.022%
46	5.294	5.274	5.384	VV	756	13559	0.22%	0.080%
47	5.454	5.384	5.488	VV	667	12185	0.19%	0.072%
48	5.501	5.488	5.549	VV	390	7217	0.11%	0.042%
49	5.572	5.549	5.595	VV	147	2573	0.04%	0.015%
50	5.645	5.595	5.664	VV	645	10557	0.17%	0.062%
51	5.676	5.664	5.738	VV	600	16570	0.26%	0.098%
52	5.771	5.738	5.808	VV	281	8565	0.14%	0.050%
53	5.841	5.808	5.858	VV	363	6893	0.11%	0.041%
54	5.867	5.858	5.882	VV	246	2489	0.04%	0.015%
55	5.938	5.882	5.980	VV	538	12860	0.20%	0.076%
56	5.999	5.980	6.013	VV	287	3832	0.06%	0.023%
57	6.035	6.013	6.067	VV	277	5848	0.09%	0.034%
58	6.099	6.067	6.109	VV	237	4347	0.07%	0.026%
59	6.124	6.109	6.147	VV	237	4351	0.07%	0.026%
60	6.188	6.147	6.203	VV	326	7547	0.12%	0.044%
61	6.223	6.203	6.242	VV	562	9399	0.15%	0.055%
62	6.257	6.242	6.302	VV	316	8553	0.14%	0.050%
63	6.331	6.302	6.344	VV	183	4373	0.07%	0.026%
64	6.393	6.344	6.441	VV	356	13015	0.21%	0.077%
65	6.474	6.441	6.485	VV	244	5351	0.09%	0.031%
66	6.524	6.485	6.568	VV	365	13262	0.21%	0.078%
67	6.577	6.568	6.661	VV	267	12330	0.20%	0.073%
68	6.684	6.661	6.746	VV	426	9849	0.16%	0.058%
69	6.773	6.746	6.824	VV	444	12652	0.20%	0.074%
70	6.834	6.824	6.874	VV	231	4486	0.07%	0.026%
71	6.881	6.874	6.897	VV	91	1154	0.02%	0.007%
72	6.925	6.897	6.939	VV	113	2179	0.03%	0.013%
73	6.966	6.939	7.061	VV	163	5711	0.09%	0.034%
74	7.091	7.061	7.122	PV	206	2906	0.05%	0.017%
75	7.137	7.122	7.181	VV	73	693	0.01%	0.004%
76	7.191	7.181	7.211	VV	166	1091	0.02%	0.006%
77	7.254	7.211	7.298	VV	227	5302	0.08%	0.031%
78	7.324	7.298	7.341	VV	368	5675	0.09%	0.033%
79	7.364	7.341	7.384	VV	684	11349	0.18%	0.067%
80	7.409	7.384	7.440	VV	788	22146	0.35%	0.130%
81	7.458	7.440	7.484	VV	804	18126	0.29%	0.107%
82	7.507	7.484	7.544	VV	700	20939	0.33%	0.123%
83	7.569	7.544	7.604	VV	560	18251	0.29%	0.107%
84	7.637	7.604	7.744	VV	647	28345	0.45%	0.167%
85	7.754	7.744	7.800	VV	251	4836	0.08%	0.028%
86	7.813	7.800	7.878	VV	157	3285	0.05%	0.019%
87	7.920	7.878	8.011	VV	558	12988	0.21%	0.076%
88	8.023	8.011	8.040	VV	106	1361	0.02%	0.008%
89	8.091	8.040	8.118	VV	1089	18715	0.30%	0.110%

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90	8.133	8.118	8.184	VV	292	7243	0.12%	0.043%
91	8.218	8.184	8.235	VV	182	2983	0.05%	0.018%
92	8.243	8.235	8.274	VV	53	1482	0.02%	0.009%
93	8.285	8.274	8.298	VV	55	587	0.01%	0.003%
94	8.336	8.298	8.352	PV	268	3574	0.06%	0.021%
95	8.361	8.352	8.373	VV	114	977	0.02%	0.006%
96	8.395	8.373	8.408	VV	370	5022	0.08%	0.030%
97	8.415	8.408	8.456	VV	371	9603	0.15%	0.057%
98	8.486	8.456	8.504	VV	967	17663	0.28%	0.104%
99	8.518	8.504	8.571	VV	779	16560	0.26%	0.097%
100	8.651	8.571	8.714	VV	475	22383	0.36%	0.132%
101	8.731	8.714	8.789	VV	177	5788	0.09%	0.034%
102	8.813	8.789	8.862	VV	206	4959	0.08%	0.029%
103	8.875	8.862	8.905	VV	108	2605	0.04%	0.015%
104	8.911	8.905	8.938	VV	132	2078	0.03%	0.012%
105	8.945	8.938	8.965	VV	259	3321	0.05%	0.020%
106	8.999	8.965	9.008	VV	448	7618	0.12%	0.045%
107	9.023	9.008	9.044	VV	374	7200	0.11%	0.042%
108	9.062	9.044	9.084	VV	427	7311	0.12%	0.043%
109	9.130	9.084	9.171	VV	576	14323	0.23%	0.084%
110	9.176	9.171	9.196	VV	150	2229	0.04%	0.013%
111	9.208	9.196	9.232	VV	204	3098	0.05%	0.018%
112	9.267	9.232	9.317	VV	554	14679	0.23%	0.086%
113	9.351	9.317	9.424	VV	1031	24968	0.40%	0.147%
114	9.434	9.424	9.471	VV	142	2379	0.04%	0.014%
115	9.497	9.471	9.517	VV	147	2559	0.04%	0.015%
116	9.532	9.517	9.563	VV	224	3081	0.05%	0.018%
117	9.578	9.563	9.591	VV	78	705	0.01%	0.004%
118	9.601	9.591	9.611	VV	89	489	0.01%	0.003%
119	9.632	9.611	9.676	PV	138	2441	0.04%	0.014%
120	9.730	9.676	9.761	VV	345	7174	0.11%	0.042%
121	9.798	9.761	9.835	VV	268	6328	0.10%	0.037%
122	9.856	9.835	9.875	VV	185	2083	0.03%	0.012%
123	9.914	9.875	9.937	VV	123	3823	0.06%	0.022%
124	9.965	9.937	9.974	VV	376	4248	0.07%	0.025%
125	10.000	9.974	10.111	VV	22136	313950	4.99%	1.847%
126	10.133	10.111	10.218	VV	1588	31140	0.50%	0.183%
127	10.238	10.218	10.352	VV	387	11343	0.18%	0.067%
128	10.365	10.352	10.378	PV	27	482	0.01%	0.003%
129	10.381	10.378	10.391	PV	88	224	0.00%	0.001%
130	10.402	10.391	10.421	VV	84	824	0.01%	0.005%
131	10.478	10.421	10.496	VV	230	5575	0.09%	0.033%
132	10.524	10.496	10.551	VV	441	8886	0.14%	0.052%
133	10.580	10.551	10.595	VV	353	6712	0.11%	0.039%
134	10.606	10.595	10.648	VV	300	5859	0.09%	0.034%
135	10.663	10.648	10.704	VV	234	3643	0.06%	0.021%
136	10.725	10.704	10.737	PV	152	1522	0.02%	0.009%
137	10.758	10.737	10.767	VV	258	3196	0.05%	0.019%
138	10.801	10.767	10.854	VV	2265	38290	0.61%	0.225%
139	10.876	10.854	10.918	VV	1209	21589	0.34%	0.127%
140	10.945	10.918	10.968	VV	547	10700	0.17%	0.063%
141	10.974	10.968	11.048	VV	316	7066	0.11%	0.042%

rteres

142	11.097	11.048	11.121	PV	264	5460	0.09%	0.032%
143	11.132	11.121	11.168	VV	399	6500	0.10%	0.038%
144	11.174	11.168	11.184	VV	94	860	0.01%	0.005%
145	11.214	11.184	11.234	VV	449	7945	0.13%	0.047%
146	11.254	11.234	11.316	VV	293	9982	0.16%	0.059%
147	11.357	11.316	11.403	VV	270	6079	0.10%	0.036%
148	11.434	11.403	11.458	PV	224	4176	0.07%	0.025%
149	11.461	11.458	11.471	VV	135	675	0.01%	0.004%
150	11.513	11.471	11.537	VV	1318	20544	0.33%	0.121%
151	11.553	11.537	11.565	VV	830	10057	0.16%	0.059%
152	11.583	11.565	11.638	VV	1488	24471	0.39%	0.144%
153	11.674	11.638	11.710	VV	695	16212	0.26%	0.095%
154	11.739	11.710	11.756	VV	372	6296	0.10%	0.037%
155	11.776	11.756	11.798	VV	338	5222	0.08%	0.031%
156	11.814	11.798	11.842	VV	199	3790	0.06%	0.022%
157	11.900	11.842	11.957	VV	571648	6286548	100.00%	36.994%
158	11.971	11.957	12.000	VV	766	16082	0.26%	0.095%
159	12.036	12.000	12.081	VV	912	28884	0.46%	0.170%
160	12.088	12.081	12.108	VV	478	6424	0.10%	0.038%
161	12.122	12.108	12.168	VV	422	10860	0.17%	0.064%
162	12.190	12.168	12.208	VV	605	9733	0.15%	0.057%
163	12.253	12.208	12.298	VV	1195	28747	0.46%	0.169%
164	12.314	12.298	12.324	VV	326	4435	0.07%	0.026%
165	12.343	12.324	12.371	VV	706	11489	0.18%	0.068%
166	12.382	12.371	12.390	VV	206	2212	0.04%	0.013%
167	12.410	12.390	12.439	VV	287	6095	0.10%	0.036%
168	12.471	12.439	12.498	VV	256	7331	0.12%	0.043%
169	12.541	12.498	12.558	VV	418	11024	0.18%	0.065%
170	12.614	12.558	12.651	VV	559	21022	0.33%	0.124%
171	12.665	12.651	12.684	VV	418	6632	0.11%	0.039%
172	12.706	12.684	12.751	VV	626	16875	0.27%	0.099%
173	12.838	12.751	12.864	VV	806	29602	0.47%	0.174%
174	12.897	12.864	12.934	VV	1661	32295	0.51%	0.190%
175	12.962	12.934	13.000	VV	1815	36736	0.58%	0.216%
176	13.012	13.000	13.074	VV	460	12386	0.20%	0.073%
177	13.103	13.074	13.124	VV	297	7014	0.11%	0.041%
178	13.148	13.124	13.184	VV	406	11238	0.18%	0.066%
179	13.195	13.184	13.208	VV	299	3583	0.06%	0.021%
180	13.218	13.208	13.233	VV	303	3692	0.06%	0.022%
181	13.259	13.233	13.291	VV	1037	19346	0.31%	0.114%
182	13.344	13.291	13.432	VV	381029	4656420	74.07%	27.401%
183	13.455	13.432	13.484	VV	1308	33416	0.53%	0.197%
184	13.512	13.484	13.574	VV	1625	50187	0.80%	0.295%
185	13.587	13.574	13.634	VV	610	17437	0.28%	0.103%
186	13.650	13.634	13.664	VV	408	7109	0.11%	0.042%
187	13.682	13.664	13.691	VV	478	6727	0.11%	0.040%
188	13.731	13.691	13.758	VV	516	18067	0.29%	0.106%
189	13.770	13.758	13.799	VV	458	9633	0.15%	0.057%
190	13.818	13.799	13.834	VV	359	7541	0.12%	0.044%
191	13.852	13.834	13.894	VV	529	14913	0.24%	0.088%
192	13.916	13.894	13.930	VV	493	9000	0.14%	0.053%
193	13.950	13.930	13.990	VV	561	17448	0.28%	0.103%
194	14.006	13.990	14.021	VV	568	9031	0.14%	0.053%

rteres

195	14.051	14.021	14.076	VV	2782	44725	0.71%	0.263%
196	14.098	14.076	14.231	VV	1677	52177	0.83%	0.307%
197	14.258	14.231	14.289	VV	269	7594	0.12%	0.045%
198	14.317	14.289	14.351	VV	441	11432	0.18%	0.067%
199	14.370	14.351	14.381	VV	295	4784	0.08%	0.028%
200	14.389	14.381	14.395	VV	248	1881	0.03%	0.011%
201	14.458	14.395	14.484	VV	357	13588	0.22%	0.080%
202	14.535	14.484	14.582	VV	1223	35838	0.57%	0.211%
203	14.612	14.582	14.641	VV	718	17643	0.28%	0.104%
204	14.663	14.641	14.681	VV	1114	16962	0.27%	0.100%
205	14.693	14.681	14.707	VV	587	8323	0.13%	0.049%
206	14.723	14.707	14.812	VV	678	25222	0.40%	0.148%
207	14.828	14.812	14.854	VV	396	6178	0.10%	0.036%
208	14.864	14.854	14.874	VV	236	2073	0.03%	0.012%
209	14.914	14.874	14.943	VV	381	11586	0.18%	0.068%
210	14.952	14.943	15.002	VV	375	6781	0.11%	0.040%
211	15.012	15.002	15.026	VV	142	2137	0.03%	0.013%
212	15.046	15.026	15.070	VV	322	5543	0.09%	0.033%
213	15.097	15.070	15.115	VV	239	4551	0.07%	0.027%
214	15.167	15.115	15.234	VV	1805	72702	1.16%	0.428%
215	15.251	15.234	15.294	VV	1256	22232	0.35%	0.131%
216	15.311	15.294	15.368	VV	295	7533	0.12%	0.044%
217	15.399	15.368	15.421	VV	307	4665	0.07%	0.027%
218	15.462	15.421	15.490	VV	204	4568	0.07%	0.027%
219	15.522	15.490	15.565	VV	174	3318	0.05%	0.020%
220	15.615	15.565	15.704	PV	3535	183179	2.91%	1.078%
221	15.742	15.704	15.768	VV	2487	71898	1.14%	0.423%
222	15.795	15.768	15.841	VV	4529	84508	1.34%	0.497%
223	15.851	15.841	15.898	VV	642	16368	0.26%	0.096%
224	15.907	15.898	15.953	VV	401	10686	0.17%	0.063%
225	15.986	15.953	16.018	VV	318	10464	0.17%	0.062%
226	16.045	16.018	16.078	VV	268	7111	0.11%	0.042%
227	16.112	16.078	16.124	VV	237	4254	0.07%	0.025%
228	16.145	16.124	16.154	VV	289	4046	0.06%	0.024%
229	16.189	16.154	16.208	VV	438	9889	0.16%	0.058%
230	16.228	16.208	16.265	VV	1270	21025	0.33%	0.124%
231	16.292	16.265	16.343	VV	395	9758	0.16%	0.057%
232	16.366	16.343	16.381	VV	214	2639	0.04%	0.016%
233	16.429	16.381	16.464	VV	247	7395	0.12%	0.044%
234	16.478	16.464	16.495	VV	95	1215	0.02%	0.007%
235	16.502	16.495	16.507	VV	85	424	0.01%	0.002%
236	16.537	16.507	16.553	PV	187	3015	0.05%	0.018%
237	16.564	16.553	16.583	VV	145	1516	0.02%	0.009%
238	16.592	16.583	16.608	VV	106	996	0.02%	0.006%
239	16.676	16.608	16.690	VV	1156	22965	0.37%	0.135%
240	16.713	16.690	16.764	VV	2425	52457	0.83%	0.309%
241	16.790	16.764	16.811	VV	864	17034	0.27%	0.100%
242	16.822	16.811	16.894	VV	508	15526	0.25%	0.091%
243	16.902	16.894	16.961	VV	216	4464	0.07%	0.026%
244	17.011	16.961	17.024	PV	583	10380	0.17%	0.061%
245	17.034	17.024	17.071	VV	617	10180	0.16%	0.060%
246	17.098	17.071	17.123	VV	625	12857	0.20%	0.076%

rteres

247	17.181	17.123	17.207	VV	3065	62375	0.99%	0.367%
248	17.226	17.207	17.249	VV	1559	23522	0.37%	0.138%
249	17.263	17.249	17.281	VV	409	5089	0.08%	0.030%
250	17.294	17.281	17.323	VV	227	4016	0.06%	0.024%
251	17.354	17.323	17.388	VV	302	8933	0.14%	0.053%
252	17.415	17.388	17.444	VV	252	5760	0.09%	0.034%
253	17.454	17.444	17.470	PV	72	728	0.01%	0.004%
254	17.518	17.470	17.537	VV	608	9422	0.15%	0.055%
255	17.558	17.537	17.578	VV	328	6111	0.10%	0.036%
256	17.632	17.578	17.689	VV	3339	63788	1.01%	0.375%
257	17.754	17.689	17.788	VV	375	10799	0.17%	0.064%
258	17.794	17.788	17.821	VV	106	1965	0.03%	0.012%
259	17.840	17.821	17.868	VV	225	3794	0.06%	0.022%
260	17.898	17.868	17.937	VV	185	3788	0.06%	0.022%
261	18.070	17.937	18.118	PV	4450	92020	1.46%	0.541%
262	18.164	18.118	18.184	VV	783	17943	0.29%	0.106%
263	18.214	18.184	18.231	VV	1029	18096	0.29%	0.106%
264	18.250	18.231	18.276	VV	745	15409	0.25%	0.091%
265	18.299	18.276	18.330	VV	1309	21943	0.35%	0.129%
266	18.342	18.330	18.355	VV	160	1700	0.03%	0.010%
267	18.392	18.355	18.422	VV	3146	53033	0.84%	0.312%
268	18.494	18.422	18.574	VV	5541	175689	2.79%	1.034%
269	18.583	18.574	18.663	VV	908	30104	0.48%	0.177%
270	18.732	18.663	18.842	VV	1031	55091	0.88%	0.324%
271	18.906	18.842	18.958	PV	4685	83954	1.34%	0.494%
272	19.007	18.958	19.028	VV	572	11598	0.18%	0.068%
273	19.063	19.028	19.088	VV	459	12232	0.19%	0.072%
274	19.093	19.088	19.128	VV	277	4253	0.07%	0.025%
275	19.164	19.128	19.181	VV	355	6091	0.10%	0.036%
276	19.215	19.181	19.240	VV	325	7189	0.11%	0.042%
277	19.305	19.240	19.386	PV	4653	127381	2.03%	0.750%
278	19.458	19.386	19.472	VV	513	23910	0.38%	0.141%
279	19.504	19.472	19.521	VV	742	15500	0.25%	0.091%
280	19.558	19.521	19.576	VV	493	11867	0.19%	0.070%
281	19.600	19.576	19.628	VV	289	5250	0.08%	0.031%
282	19.692	19.628	19.740	PV	3726	65503	1.04%	0.385%
283	19.810	19.740	19.822	VV	373	10802	0.17%	0.064%
284	19.877	19.822	19.902	VV	376	12471	0.20%	0.073%
285	19.939	19.902	19.948	VV	198	4519	0.07%	0.027%
286	19.989	19.948	20.021	VV	855	17030	0.27%	0.100%
287	20.066	20.021	20.151	VV	3397	77815	1.24%	0.458%
288	20.311	20.151	20.333	PV	1030	39296	0.63%	0.231%
289	20.359	20.333	20.371	VV	607	13201	0.21%	0.078%
290	20.436	20.371	20.490	VV	3023	88124	1.40%	0.519%
291	20.593	20.490	20.638	VV	3194	128260	2.04%	0.755%
292	20.708	20.638	20.727	VV	1898	86801	1.38%	0.511%
293	20.795	20.727	20.848	VV	3316	165149	2.63%	0.972%
294	21.089	20.848	21.098	VV	2034	303993	4.84%	1.789%
295	21.176	21.098	21.251	VV	3010	197581	3.14%	1.163%
296	21.496	21.251	21.534	VV	1658	261672	4.16%	1.540%
297	21.603	21.534	21.661	VV	1848	112162	1.78%	0.660%
298	21.909	21.661	21.931	VV	799	153991	2.45%	0.906%
299	22.095	21.931	22.152	VV	792	64613	1.03%	0.380%

rteres

300	22.172	22.152	22.181	VV	222	3840	0.06%	0.023%
301	22.199	22.181	22.211	VV	100	1486	0.02%	0.009%

Sum of corrected areas: 16993633

Aliphatic EPH 032925.M Tue Apr 01 02:24:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053078.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 18:33
Operator : YP\AJ
Sample : Q1675-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P3

Integration File: autoint1.e
Quant Time: Apr 01 01:42:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.899	5349469	32.842 ug/ml
Spiked Amount 50.000		Recovery =	65.68%
12) S 1-chlorooctadecane (S...	13.343	3896718	32.461 ug/ml
Spiked Amount 50.000		Recovery =	64.92%
Target Compounds			

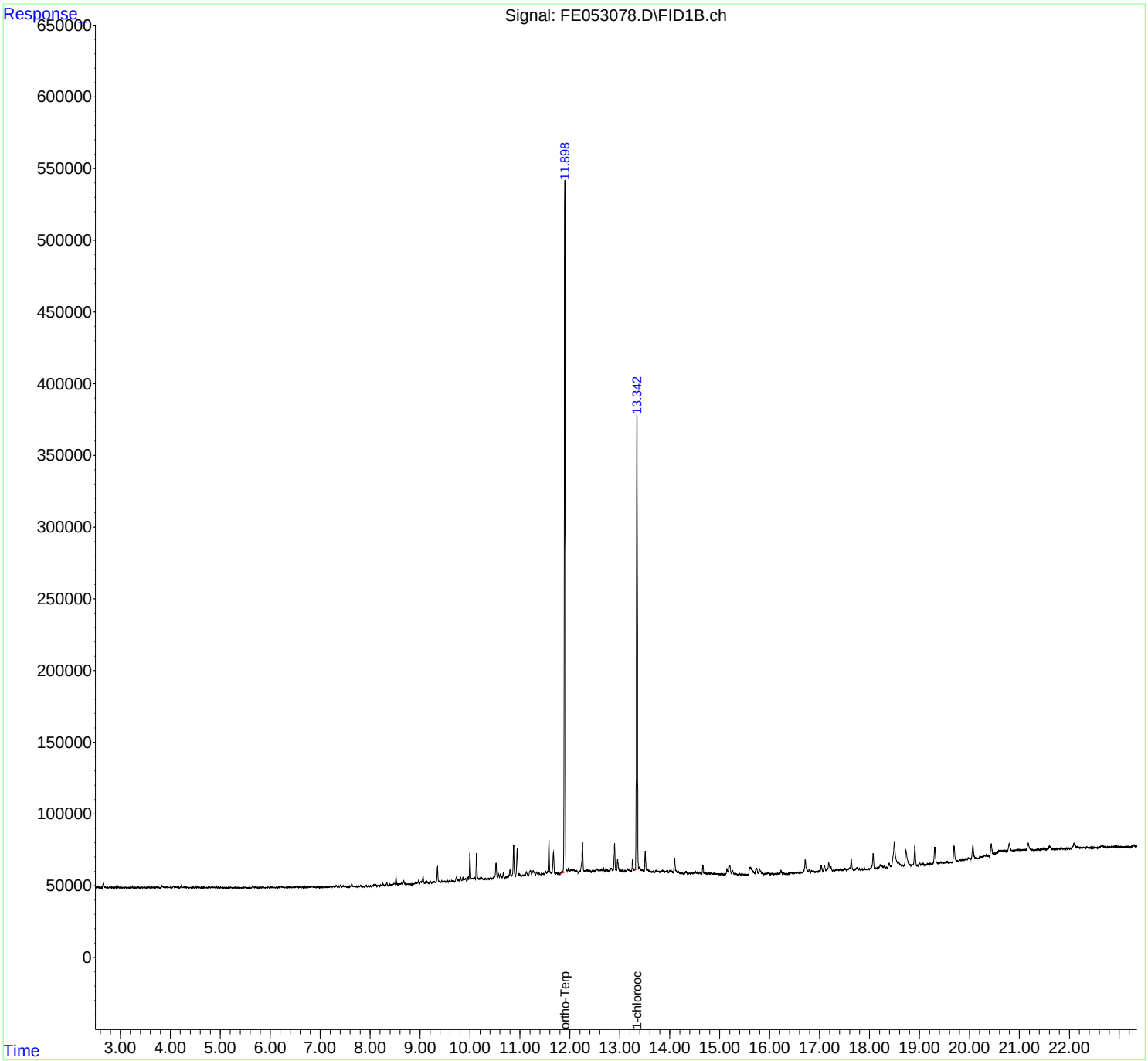
(f)=RT Delta > 1/2 Window (m)=manual int.

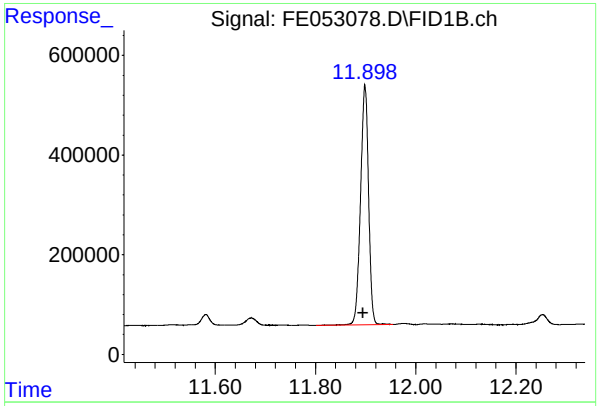
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053078.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 18:33
Operator : YP\AJ
Sample : Q1675-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P3

Integration File: autoint1.e
Quant Time: Apr 01 01:42:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

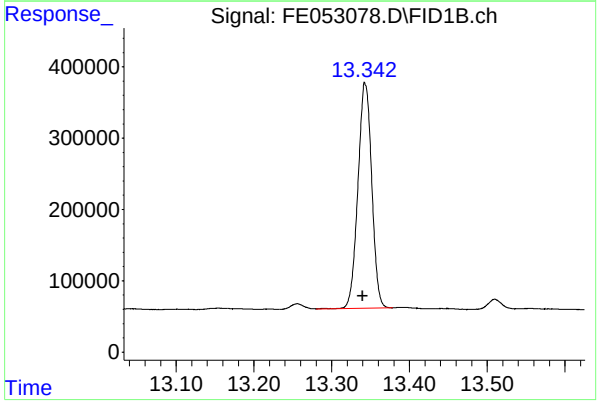




#9 ortho-Terphenyl (SURR)

R.T.: 11.899 min
Delta R.T.: 0.003 min
Response: 5349469
Conc: 32.84 ug/ml

Instrument :
FID_E
ClientSampleId :
P3



#12 1-chlorooctadecane (SURR)

R.T.: 13.343 min
Delta R.T.: 0.004 min
Response: 3896718
Conc: 32.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053078.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 18:33
Sample : Q1675-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.877	2.804	2.910	BV	289	2488	0.04%	0.007%
2	2.933	2.910	2.998	PV	1709	21766	0.37%	0.058%
3	3.021	2.998	3.034	PV	139	1724	0.03%	0.005%
4	3.047	3.034	3.162	VV	124	4253	0.07%	0.011%
5	3.170	3.162	3.210	VV	101	1625	0.03%	0.004%
6	3.241	3.210	3.298	PV	505	9229	0.16%	0.025%
7	3.355	3.298	3.401	VV	182	5877	0.10%	0.016%
8	3.412	3.401	3.442	VV	183	3073	0.05%	0.008%
9	3.475	3.442	3.531	VV	219	7870	0.13%	0.021%
10	3.555	3.531	3.595	VV	275	7801	0.13%	0.021%
11	3.613	3.595	3.662	VV	242	7632	0.13%	0.020%
12	3.693	3.662	3.714	VV	354	7237	0.12%	0.019%
13	3.730	3.714	3.756	VV	372	5881	0.10%	0.016%
14	3.776	3.756	3.801	VV	181	4260	0.07%	0.011%
15	3.830	3.801	3.845	VV	1237	16612	0.28%	0.044%
16	3.853	3.845	3.908	VV	755	11813	0.20%	0.031%
17	3.929	3.908	3.961	VV	763	12089	0.21%	0.032%
18	3.967	3.961	4.001	VV	254	4424	0.08%	0.012%
19	4.039	4.001	4.048	VV	847	11901	0.20%	0.032%
20	4.058	4.048	4.124	VV	795	23700	0.40%	0.063%
21	4.148	4.124	4.191	VV	482	12901	0.22%	0.034%
22	4.224	4.191	4.254	VV	1772	26209	0.45%	0.070%
23	4.274	4.254	4.304	VV	389	9888	0.17%	0.026%
24	4.330	4.304	4.377	VV	312	10649	0.18%	0.028%
25	4.399	4.377	4.423	VV	292	6061	0.10%	0.016%
26	4.445	4.423	4.481	VV	278	7848	0.13%	0.021%
27	4.503	4.481	4.521	VV	946	12160	0.21%	0.032%
28	4.541	4.521	4.565	VV	721	11490	0.20%	0.031%
29	4.578	4.565	4.643	VV	331	11467	0.19%	0.030%
30	4.675	4.643	4.696	VV	564	10238	0.17%	0.027%
31	4.737	4.696	4.774	VV	295	10310	0.18%	0.027%
32	4.790	4.774	4.803	VV	370	4936	0.08%	0.013%
33	4.817	4.803	4.858	VV	310	8556	0.15%	0.023%
34	4.890	4.858	4.904	VV	422	8850	0.15%	0.023%
35	4.923	4.904	4.947	VV	727	12301	0.21%	0.033%
36	4.968	4.947	4.988	VV	512	9682	0.16%	0.026%

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37	5.005	4.988	5.074	VV	529	13209	0.22%	0.035%
38	5.085	5.074	5.141	VV	323	7069	0.12%	0.019%
39	5.166	5.141	5.174	VV	195	3448	0.06%	0.009%
40	5.213	5.174	5.244	VV	393	10439	0.18%	0.028%
41	5.260	5.244	5.274	VV	312	4393	0.07%	0.012%
42	5.293	5.274	5.310	VV	464	7084	0.12%	0.019%
43	5.326	5.310	5.371	VV	308	6890	0.12%	0.018%
44	5.388	5.371	5.399	PV	103	1486	0.03%	0.004%
45	5.454	5.399	5.481	VV	668	12290	0.21%	0.033%
46	5.500	5.481	5.576	VV	278	10250	0.17%	0.027%
47	5.585	5.576	5.611	VV	166	1776	0.03%	0.005%
48	5.646	5.611	5.665	VV	1067	13347	0.23%	0.035%
49	5.676	5.665	5.683	VV	368	3643	0.06%	0.010%
50	5.695	5.683	5.760	VV	479	12299	0.21%	0.033%
51	5.775	5.760	5.811	VV	198	3944	0.07%	0.010%
52	5.838	5.811	5.862	VV	393	6949	0.12%	0.018%
53	5.873	5.862	5.892	VV	182	2340	0.04%	0.006%
54	5.912	5.892	5.918	VV	159	1671	0.03%	0.004%
55	5.941	5.918	5.984	VV	435	10946	0.19%	0.029%
56	5.995	5.984	6.020	VV	247	4410	0.07%	0.012%
57	6.037	6.020	6.062	VV	361	5884	0.10%	0.016%
58	6.092	6.062	6.113	VV	199	4850	0.08%	0.013%
59	6.127	6.113	6.149	VV	275	3592	0.06%	0.010%
60	6.179	6.149	6.198	VV	305	6179	0.10%	0.016%
61	6.221	6.198	6.307	VV	936	24067	0.41%	0.064%
62	6.324	6.307	6.348	VV	334	4671	0.08%	0.012%
63	6.394	6.348	6.435	VV	475	14120	0.24%	0.037%
64	6.469	6.435	6.478	VV	233	4933	0.08%	0.013%
65	6.523	6.478	6.568	VV	613	18102	0.31%	0.048%
66	6.591	6.568	6.648	VV	408	11850	0.20%	0.031%
67	6.683	6.648	6.735	VV	1247	19095	0.32%	0.051%
68	6.769	6.735	6.820	VV	531	14616	0.25%	0.039%
69	6.836	6.820	6.858	VV	703	8690	0.15%	0.023%
70	6.871	6.858	6.924	VV	255	6356	0.11%	0.017%
71	6.934	6.924	6.951	VV	159	1646	0.03%	0.004%
72	6.965	6.951	6.988	VV	321	3670	0.06%	0.010%
73	7.026	6.988	7.064	VV	223	5943	0.10%	0.016%
74	7.089	7.064	7.128	PV	361	6241	0.11%	0.017%
75	7.158	7.128	7.171	PV	166	2957	0.05%	0.008%
76	7.218	7.171	7.241	VV	514	12158	0.21%	0.032%
77	7.259	7.241	7.281	VV	555	8494	0.14%	0.023%
78	7.321	7.281	7.348	VV	1311	26507	0.45%	0.070%
79	7.364	7.348	7.384	VV	729	10764	0.18%	0.029%
80	7.406	7.384	7.440	VV	1210	20604	0.35%	0.055%
81	7.458	7.440	7.484	VV	858	12276	0.21%	0.033%
82	7.506	7.484	7.559	VV	526	10812	0.18%	0.029%
83	7.633	7.559	7.708	VV	2504	45549	0.77%	0.121%
84	7.764	7.708	7.778	VV	436	9273	0.16%	0.025%
85	7.809	7.778	7.848	VV	726	13686	0.23%	0.036%
86	7.860	7.848	7.871	VV	154	1333	0.02%	0.004%
87	7.920	7.871	7.959	PV	903	16266	0.28%	0.043%
88	7.972	7.959	7.990	VV	275	3649	0.06%	0.010%
89	8.009	7.990	8.038	VV	412	5642	0.10%	0.015%

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90	8.065	8.038	8.075	VV	1055	13944	0.24%	0.037%
91	8.092	8.075	8.144	VV	1318	28749	0.49%	0.076%
92	8.164	8.144	8.188	VV	590	9711	0.17%	0.026%
93	8.209	8.188	8.226	VV	1048	14308	0.24%	0.038%
94	8.247	8.226	8.293	VV	1833	36227	0.62%	0.096%
95	8.336	8.293	8.369	VV	2448	39964	0.68%	0.106%
96	8.391	8.369	8.413	VV	1176	20271	0.34%	0.054%
97	8.440	8.413	8.452	VV	1098	20254	0.34%	0.054%
98	8.482	8.452	8.497	VV	1694	34625	0.59%	0.092%
99	8.519	8.497	8.557	VV	5748	87861	1.49%	0.233%
100	8.580	8.557	8.594	VV	1413	25132	0.43%	0.067%
101	8.627	8.594	8.651	VV	1669	43561	0.74%	0.116%
102	8.675	8.651	8.694	VV	3458	53422	0.91%	0.142%
103	8.707	8.694	8.724	VV	1085	17761	0.30%	0.047%
104	8.742	8.724	8.753	VV	999	15579	0.26%	0.041%
105	8.767	8.753	8.793	VV	979	20110	0.34%	0.053%
106	8.808	8.793	8.834	VV	794	16350	0.28%	0.043%
107	8.850	8.834	8.864	VV	745	11046	0.19%	0.029%
108	8.909	8.864	8.928	VV	1612	46581	0.79%	0.124%
109	8.944	8.928	8.956	VV	1811	26465	0.45%	0.070%
110	8.974	8.956	8.995	VV	3620	54009	0.92%	0.143%
111	9.014	8.995	9.026	VV	2395	34313	0.58%	0.091%
112	9.060	9.026	9.088	VV	6024	121191	2.06%	0.322%
113	9.113	9.088	9.126	VV	2218	37501	0.64%	0.100%
114	9.140	9.126	9.158	VV	2105	32018	0.54%	0.085%
115	9.207	9.158	9.228	VV	2012	64270	1.09%	0.171%
116	9.267	9.228	9.311	VV	2177	84518	1.44%	0.224%
117	9.349	9.311	9.408	VV	12305	225075	3.82%	0.598%
118	9.433	9.408	9.458	VV	2566	57711	0.98%	0.153%
119	9.492	9.458	9.514	VV	2016	57852	0.98%	0.154%
120	9.538	9.514	9.566	VV	2373	62839	1.07%	0.167%
121	9.583	9.566	9.602	VV	2190	40540	0.69%	0.108%
122	9.650	9.602	9.671	VV	2335	82339	1.40%	0.219%
123	9.681	9.671	9.695	VV	1928	26421	0.45%	0.070%
124	9.732	9.695	9.760	VV	4982	128478	2.18%	0.341%
125	9.810	9.760	9.835	VV	4389	137987	2.34%	0.366%
126	9.857	9.835	9.876	VV	4279	76878	1.31%	0.204%
127	9.910	9.876	9.934	VV	3935	105245	1.79%	0.279%
128	9.964	9.934	9.977	VV	4657	81599	1.39%	0.217%
129	9.999	9.977	10.033	VV	21795	311815	5.30%	0.828%
130	10.045	10.033	10.061	VV	3573	57632	0.98%	0.153%
131	10.087	10.061	10.107	VV	4281	103309	1.76%	0.274%
132	10.132	10.107	10.175	VV	21091	322053	5.47%	0.855%
133	10.208	10.175	10.224	VV	3521	96984	1.65%	0.257%
134	10.236	10.224	10.281	VV	3542	101442	1.72%	0.269%
135	10.305	10.281	10.328	VV	3103	78565	1.33%	0.209%
136	10.342	10.328	10.351	VV	2908	39211	0.67%	0.104%
137	10.367	10.351	10.387	VV	3136	62649	1.06%	0.166%
138	10.409	10.387	10.438	VV	3277	88518	1.50%	0.235%
139	10.481	10.438	10.495	VV	4945	127878	2.17%	0.339%
140	10.522	10.495	10.551	VV	13676	258930	4.40%	0.687%
141	10.573	10.551	10.592	VV	5276	110366	1.88%	0.293%

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142	10.611	10.592	10.636	VV	5863	123731	2.10%	0.328%
143	10.668	10.636	10.695	VV	6905	164555	2.80%	0.437%
144	10.717	10.695	10.737	VV	3868	90187	1.53%	0.239%
145	10.801	10.737	10.826	VV	8667	273049	4.64%	0.725%
146	10.875	10.826	10.910	VV	25591	483883	8.22%	1.285%
147	10.947	10.910	10.978	VV	23645	451799	7.68%	1.199%
148	10.989	10.978	11.028	VV	5389	146304	2.49%	0.388%
149	11.131	11.028	11.173	VV	7139	434425	7.38%	1.153%
150	11.205	11.173	11.236	VV	7601	237946	4.04%	0.632%
151	11.268	11.236	11.312	VV	7615	283290	4.81%	0.752%
152	11.332	11.312	11.371	VV	6627	198463	3.37%	0.527%
153	11.384	11.371	11.421	VV	6234	159643	2.71%	0.424%
154	11.440	11.421	11.459	VV	5537	117703	2.00%	0.312%
155	11.514	11.459	11.536	VV	6498	262222	4.46%	0.696%
156	11.581	11.536	11.637	VV	27164	596836	10.14%	1.584%
157	11.672	11.637	11.715	VV	20130	469708	7.98%	1.247%
158	11.736	11.715	11.757	VV	5822	136136	2.31%	0.361%
159	11.777	11.757	11.800	VV	5694	136317	2.32%	0.362%
160	11.899	11.800	11.954	VV	484373	5885308	100.00%	15.624%
161	11.977	11.954	12.000	VV	8775	208379	3.54%	0.553%
162	12.019	12.000	12.054	VV	7795	232782	3.96%	0.618%
163	12.072	12.054	12.104	VV	7589	211255	3.59%	0.561%
164	12.127	12.104	12.166	VV	6897	238801	4.06%	0.634%
165	12.192	12.166	12.204	VV	6623	142897	2.43%	0.379%
166	12.253	12.204	12.287	VV	26164	606469	10.30%	1.610%
167	12.330	12.287	12.369	VV	6999	320787	5.45%	0.852%
168	12.376	12.369	12.398	VV	6455	109440	1.86%	0.291%
169	12.410	12.398	12.428	VV	6368	106889	1.82%	0.284%
170	12.455	12.428	12.467	VV	6429	141314	2.40%	0.375%
171	12.484	12.467	12.501	VV	6466	125960	2.14%	0.334%
172	12.527	12.501	12.579	VV	7314	321577	5.46%	0.854%
173	12.638	12.579	12.649	VV	7170	277676	4.72%	0.737%
174	12.668	12.649	12.700	VV	8185	211620	3.60%	0.562%
175	12.721	12.700	12.775	VV	7338	291706	4.96%	0.774%
176	12.831	12.775	12.858	VV	7549	328689	5.58%	0.873%
177	12.896	12.858	12.933	VV	24857	509376	8.66%	1.352%
178	12.957	12.933	12.996	VV	14075	335279	5.70%	0.890%
179	13.009	12.996	13.024	VV	6237	103720	1.76%	0.275%
180	13.043	13.024	13.080	VV	6164	187693	3.19%	0.498%
181	13.100	13.080	13.126	VV	5542	147363	2.50%	0.391%
182	13.154	13.126	13.208	VV	6993	292923	4.98%	0.778%
183	13.219	13.208	13.232	VV	5484	77504	1.32%	0.206%
184	13.256	13.232	13.280	VV	12909	242669	4.12%	0.644%
185	13.291	13.280	13.304	VV	6468	91466	1.55%	0.243%
186	13.343	13.304	13.379	VV	320784	4188157	71.16%	11.118%
187	13.391	13.379	13.434	VV	7706	225369	3.83%	0.598%
188	13.442	13.434	13.474	VV	6166	133804	2.27%	0.355%
189	13.510	13.474	13.538	VV	18978	361837	6.15%	0.961%
190	13.555	13.538	13.631	VV	6175	292720	4.97%	0.777%
191	13.675	13.631	13.700	VV	4907	181061	3.08%	0.481%
192	13.740	13.700	13.805	VV	5481	293168	4.98%	0.778%
193	13.821	13.805	13.833	VV	4622	72046	1.22%	0.191%
194	13.853	13.833	13.914	VV	5156	222379	3.78%	0.590%

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195	13.939	13.914	13.976	VV	4737	160971	2.74%	0.427%
196	13.999	13.976	14.028	VV	5047	135821	2.31%	0.361%
197	14.047	14.028	14.069	VV	4361	96159	1.63%	0.255%
198	14.097	14.069	14.151	VV	13451	310429	5.27%	0.824%
199	14.167	14.151	14.205	VV	3989	113192	1.92%	0.300%
200	14.215	14.205	14.226	VV	2869	34879	0.59%	0.093%
201	14.243	14.226	14.271	VV	2899	73275	1.25%	0.195%
202	14.280	14.271	14.291	VV	2565	28872	0.49%	0.077%
203	14.325	14.291	14.354	VV	3845	121095	2.06%	0.321%
204	14.367	14.354	14.379	VV	2751	38998	0.66%	0.104%
205	14.396	14.379	14.417	VV	2703	56331	0.96%	0.150%
206	14.433	14.417	14.446	VV	2471	43219	0.73%	0.115%
207	14.461	14.446	14.472	VV	2721	38977	0.66%	0.103%
208	14.521	14.472	14.561	VV	3171	154823	2.63%	0.411%
209	14.567	14.561	14.577	VV	2853	26070	0.44%	0.069%
210	14.601	14.577	14.636	VV	3162	93603	1.59%	0.248%
211	14.663	14.636	14.708	VV	7822	158049	2.69%	0.420%
212	14.724	14.708	14.743	VV	2366	43299	0.74%	0.115%
213	14.775	14.743	14.810	VV	2399	84432	1.43%	0.224%
214	14.831	14.810	14.853	VV	2646	51353	0.87%	0.136%
215	14.867	14.853	14.881	VV	1831	27389	0.47%	0.073%
216	14.913	14.881	14.933	VV	2032	55245	0.94%	0.147%
217	14.948	14.933	14.973	VV	1856	36907	0.63%	0.098%
218	14.985	14.973	15.002	VV	1496	22230	0.38%	0.059%
219	15.017	15.002	15.027	VV	1308	17702	0.30%	0.047%
220	15.041	15.027	15.076	VV	1412	34741	0.59%	0.092%
221	15.100	15.076	15.118	VV	1307	28281	0.48%	0.075%
222	15.145	15.118	15.164	VV	5080	87768	1.49%	0.233%
223	15.200	15.164	15.232	VV	6974	197665	3.36%	0.525%
224	15.255	15.232	15.290	VV	3448	79165	1.35%	0.210%
225	15.305	15.290	15.328	VV	1609	29494	0.50%	0.078%
226	15.338	15.328	15.371	VV	1021	19384	0.33%	0.051%
227	15.399	15.371	15.424	VV	1183	21630	0.37%	0.057%
228	15.455	15.424	15.546	VV	1111	41323	0.70%	0.110%
229	15.609	15.546	15.704	VV	5632	257822	4.38%	0.684%
230	15.731	15.704	15.769	VV	4437	119360	2.03%	0.317%
231	15.795	15.769	15.841	VV	4559	108318	1.84%	0.288%
232	15.858	15.841	15.891	VV	1468	26764	0.45%	0.071%
233	15.907	15.891	15.932	VV	686	14303	0.24%	0.038%
234	15.957	15.932	15.971	VV	1023	19350	0.33%	0.051%
235	15.985	15.971	16.021	VV	1056	18894	0.32%	0.050%
236	16.051	16.021	16.086	VV	762	14506	0.25%	0.039%
237	16.112	16.086	16.121	VV	393	5913	0.10%	0.016%
238	16.147	16.121	16.168	VV	558	10753	0.18%	0.029%
239	16.189	16.168	16.199	VV	531	7206	0.12%	0.019%
240	16.229	16.199	16.277	VV	2638	50048	0.85%	0.133%
241	16.288	16.277	16.333	VV	528	10051	0.17%	0.027%
242	16.353	16.333	16.379	VV	189	2706	0.05%	0.007%
243	16.425	16.379	16.454	PV	917	25062	0.43%	0.067%
244	16.460	16.454	16.481	VV	370	4814	0.08%	0.013%
245	16.523	16.481	16.550	VV	686	18634	0.32%	0.049%
246	16.571	16.550	16.608	VV	559	14934	0.25%	0.040%

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247	16.624	16.608	16.644	VV	758	11302	0.19%	0.030%
248	16.711	16.644	16.774	VV	9229	238017	4.04%	0.632%
249	16.794	16.774	16.820	VV	2135	36925	0.63%	0.098%
250	16.841	16.820	16.868	VV	1491	29951	0.51%	0.080%
251	16.880	16.868	16.914	VV	1064	19096	0.32%	0.051%
252	16.943	16.914	16.961	VV	880	14958	0.25%	0.040%
253	17.032	16.961	17.067	VV	4812	100518	1.71%	0.267%
254	17.093	17.067	17.129	VV	4585	91769	1.56%	0.244%
255	17.181	17.129	17.212	VV	6071	145473	2.47%	0.386%
256	17.227	17.212	17.287	VV	3503	66580	1.13%	0.177%
257	17.368	17.287	17.388	VV	1241	50056	0.85%	0.133%
258	17.420	17.388	17.441	VV	1381	31828	0.54%	0.084%
259	17.514	17.441	17.538	VV	1420	50572	0.86%	0.134%
260	17.595	17.538	17.604	VV	1704	38376	0.65%	0.102%
261	17.632	17.604	17.688	VV	7754	136245	2.31%	0.362%
262	17.748	17.688	17.782	VV	1505	50491	0.86%	0.134%
263	17.799	17.782	17.823	VV	811	13214	0.22%	0.035%
264	17.842	17.823	17.883	VV	484	9448	0.16%	0.025%
265	17.916	17.883	17.948	VV	381	7280	0.12%	0.019%
266	17.971	17.948	17.997	PV	663	11932	0.20%	0.032%
267	18.070	17.997	18.133	VV	10909	198243	3.37%	0.526%
268	18.165	18.133	18.184	VV	850	16772	0.28%	0.045%
269	18.213	18.184	18.234	VV	2701	50659	0.86%	0.134%
270	18.249	18.234	18.274	VV	1609	31147	0.53%	0.083%
271	18.299	18.274	18.332	VV	1379	30862	0.52%	0.082%
272	18.391	18.332	18.427	VV	3113	74088	1.26%	0.197%
273	18.495	18.427	18.565	VV	18075	593022	10.08%	1.574%
274	18.579	18.565	18.682	VV	3604	131185	2.23%	0.348%
275	18.726	18.682	18.844	VV	11489	363293	6.17%	0.964%
276	18.905	18.844	18.961	VV	13161	238966	4.06%	0.634%
277	19.006	18.961	19.029	VV	1818	32787	0.56%	0.087%
278	19.057	19.029	19.126	VV	1319	40725	0.69%	0.108%
279	19.163	19.126	19.183	PV	933	16443	0.28%	0.044%
280	19.214	19.183	19.244	VV	756	17232	0.29%	0.046%
281	19.304	19.244	19.374	VV	11983	249793	4.24%	0.663%
282	19.414	19.374	19.434	VV	931	26644	0.45%	0.071%
283	19.451	19.434	19.480	VV	839	20670	0.35%	0.055%
284	19.503	19.480	19.518	VV	645	12710	0.22%	0.034%
285	19.555	19.518	19.581	VV	1048	24015	0.41%	0.064%
286	19.600	19.581	19.634	VV	582	11953	0.20%	0.032%
287	19.691	19.634	19.770	PV	11310	236551	4.02%	0.628%
288	19.812	19.770	19.828	VV	1224	30908	0.53%	0.082%
289	19.932	19.828	19.952	VV	1470	81531	1.39%	0.216%
290	19.983	19.952	20.016	VV	1969	55193	0.94%	0.147%
291	20.067	20.016	20.148	VV	10346	266459	4.53%	0.707%
292	20.222	20.148	20.250	VV	1762	78356	1.33%	0.208%
293	20.303	20.250	20.325	VV	2270	84499	1.44%	0.224%
294	20.346	20.325	20.390	VV	2274	76669	1.30%	0.204%
295	20.434	20.390	20.484	VV	9908	262448	4.46%	0.697%
296	20.502	20.484	20.521	VV	3151	65194	1.11%	0.173%
297	20.594	20.521	20.641	VV	4707	281790	4.79%	0.748%
298	20.652	20.641	20.686	VV	4336	111554	1.90%	0.296%
299	20.707	20.686	20.738	VV	4209	124598	2.12%	0.331%

rteres

300	20.747	20.738	20.756	VV	3590	38906	0.66%	0.103%
301	20.793	20.756	20.902	VV	8627	419117	7.12%	1.113%
302	20.950	20.902	21.010	VV	3869	232758	3.95%	0.618%
303	21.039	21.010	21.061	VV	3394	102757	1.75%	0.273%
304	21.088	21.061	21.111	VV	3240	94857	1.61%	0.252%
305	21.174	21.111	21.298	VV	7170	409389	6.96%	1.087%
306	21.371	21.298	21.414	VV	2333	154143	2.62%	0.409%
307	21.490	21.414	21.538	VV	2134	145844	2.48%	0.387%
308	21.603	21.538	21.694	VV	3563	195812	3.33%	0.520%
309	21.786	21.694	21.794	VV	1177	71073	1.21%	0.189%
310	21.837	21.794	21.870	VV	1225	49292	0.84%	0.131%
311	21.908	21.870	21.954	VV	827	38448	0.65%	0.102%
312	21.969	21.954	22.005	VV	659	15127	0.26%	0.040%
313	22.093	22.005	22.226	VV	3238	132503	2.25%	0.352%

Sum of corrected areas: 37668710

Aliphatic EPH 032925.M Tue Apr 01 02:28:02 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053079.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 19:03
Operator : YP\AJ
Sample : Q1675-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Apr 01 01:42:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
P5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.908	7508457	46.097 ug/mlm
Spiked Amount 50.000		Recovery =	92.19%
12) S 1-chlorooctadecane (S...	13.354	4659846	38.818 ug/mlm
Spiked Amount 50.000		Recovery =	77.64%
Target Compounds			

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

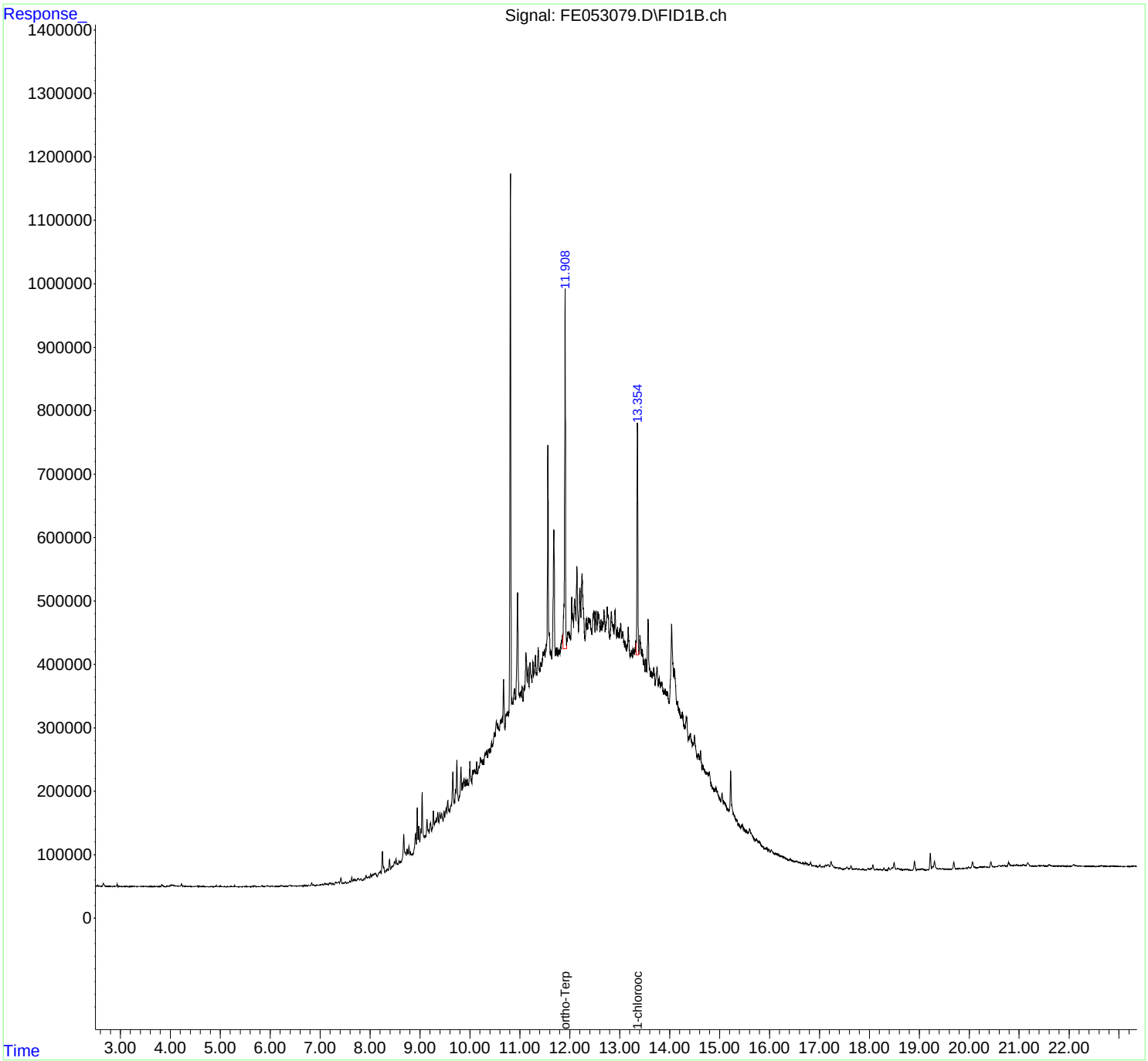
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053079.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 19:03
Operator : YP\AJ
Sample : Q1675-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

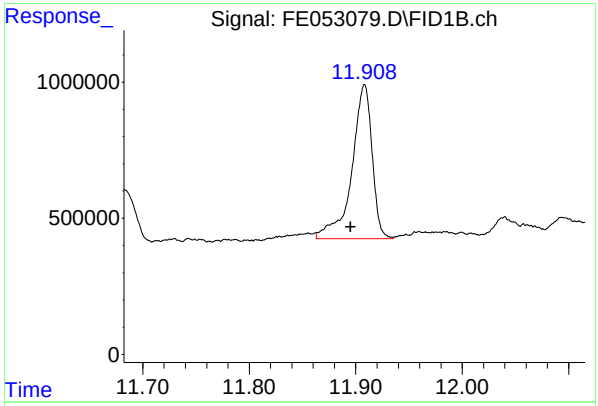
Integration File: autoint1.e
Quant Time: Apr 01 01:42:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
P5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025





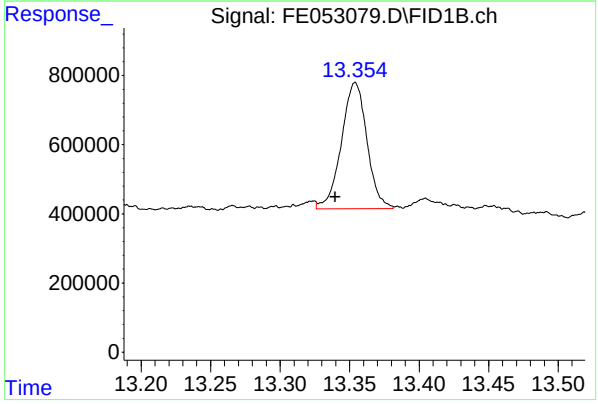
#9 ortho-Terphenyl (SURR)

R.T.: 11.908 min
Delta R.T.: 0.013 min
Response: 7508457
Conc: 46.10 ug/ml

Instrument :
FID_E
ClientSampleId :
P5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.354 min
Delta R.T.: 0.014 min
Response: 4659846
Conc: 38.82 ug/ml m

Instrument :
FID_E
ClientSampleId :
P5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE03312
Data File : FE053079.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 19:03
Sample : Q1675-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.827	2.805	2.841	BV	47	147	0.00%	0.000%
2	2.873	2.841	2.896	PV	269	3972	0.01%	0.000%
3	2.934	2.896	3.001	VV	3120	39090	0.10%	0.003%
4	3.011	3.001	3.038	VV	113	1377	0.00%	0.000%
5	3.053	3.038	3.093	VV	132	1370	0.00%	0.000%
6	3.127	3.093	3.223	PV	431	11219	0.03%	0.001%
7	3.242	3.223	3.257	VV	447	5535	0.01%	0.000%
8	3.276	3.257	3.337	VV	520	13657	0.04%	0.001%
9	3.358	3.337	3.371	VV	333	4821	0.01%	0.000%
10	3.386	3.371	3.400	VV	262	4321	0.01%	0.000%
11	3.413	3.400	3.437	VV	320	5996	0.02%	0.001%
12	3.449	3.437	3.455	VV	274	2486	0.01%	0.000%
13	3.477	3.455	3.497	VV	512	8437	0.02%	0.001%
14	3.512	3.497	3.535	VV	409	6041	0.02%	0.001%
15	3.556	3.535	3.592	VV	267	7440	0.02%	0.001%
16	3.608	3.592	3.672	VV	169	5435	0.01%	0.000%
17	3.694	3.672	3.707	VV	275	4322	0.01%	0.000%
18	3.729	3.707	3.753	VV	797	10143	0.03%	0.001%
19	3.773	3.753	3.805	VV	194	2936	0.01%	0.000%
20	3.830	3.805	3.845	VV	3169	35112	0.09%	0.003%
21	3.853	3.845	3.911	VV	1713	19621	0.05%	0.002%
22	3.930	3.911	3.945	VV	1349	14907	0.04%	0.001%
23	4.005	3.945	4.021	VV	2556	62123	0.17%	0.006%
24	4.038	4.021	4.197	VV	2912	157214	0.42%	0.014%
25	4.224	4.197	4.325	VV	4813	97194	0.26%	0.009%
26	4.333	4.325	4.353	VV	571	9138	0.02%	0.001%
27	4.366	4.353	4.423	VV	625	18088	0.05%	0.002%
28	4.449	4.423	4.480	VV	474	13128	0.04%	0.001%
29	4.502	4.480	4.521	VV	978	14901	0.04%	0.001%
30	4.540	4.521	4.563	VV	1656	21574	0.06%	0.002%
31	4.577	4.563	4.598	VV	528	8721	0.02%	0.001%
32	4.616	4.598	4.640	VV	497	9511	0.03%	0.001%
33	4.657	4.640	4.708	VV	1043	18542	0.05%	0.002%
34	4.734	4.708	4.772	VV	357	6398	0.02%	0.001%
35	4.820	4.772	4.864	VV	458	11927	0.03%	0.001%
36	4.893	4.864	4.905	PV	860	9491	0.03%	0.001%

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Instrument :
FID_E
ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

A B C D E F G H I J

rteres

37	4.922	4.905	4.945	VV	1864	21856	0.06%	0.002%
38	4.966	4.945	4.986	VV	1039	15211	0	
39	5.006	4.986	5.061	VV	1470	23614	0	
40	5.086	5.061	5.111	VV	647	8877	0	
41	5.118	5.111	5.131	VV	130	1278	0	
42	5.151	5.131	5.174	VV	445	8210	0	
43	5.210	5.174	5.244	VV	943	23023	0.06%	0.002%
44	5.262	5.244	5.275	VV	814	9677	0.03%	0.001%
45	5.292	5.275	5.370	VV	1761	28849	0.08%	0.003%
46	5.395	5.370	5.433	PV	309	7846	0.02%	0.001%
47	5.453	5.433	5.476	VV	874	13092	0.04%	0.001%
48	5.505	5.476	5.560	VV	612	23546	0.06%	0.002%
49	5.581	5.560	5.615	VV	392	7094	0.02%	0.001%
50	5.645	5.615	5.664	PV	1535	20687	0.06%	0.002%
51	5.691	5.664	5.738	VV	1371	34244	0.09%	0.003%
52	5.760	5.738	5.785	VV	300	6778	0.02%	0.001%
53	5.836	5.785	5.861	VV	1998	31403	0.08%	0.003%
54	5.871	5.861	5.885	VV	496	6036	0.02%	0.001%
55	5.896	5.885	5.901	VV	392	3474	0.01%	0.000%
56	5.940	5.901	5.988	VV	1989	42402	0.11%	0.004%
57	5.994	5.988	6.011	VV	572	5694	0.02%	0.001%
58	6.035	6.011	6.065	VV	1224	18043	0.05%	0.002%
59	6.082	6.065	6.109	VV	411	6658	0.02%	0.001%
60	6.129	6.109	6.147	VV	390	4119	0.01%	0.000%
61	6.183	6.147	6.199	PV	477	8704	0.02%	0.001%
62	6.220	6.199	6.246	VV	2069	29044	0.08%	0.003%
63	6.257	6.246	6.301	VV	673	11286	0.03%	0.001%
64	6.319	6.301	6.338	VV	599	8240	0.02%	0.001%
65	6.390	6.338	6.438	VV	1623	56940	0.15%	0.005%
66	6.468	6.438	6.484	VV	971	17645	0.05%	0.002%
67	6.499	6.484	6.545	VV	590	15364	0.04%	0.001%
68	6.600	6.545	6.628	VV	1077	31237	0.08%	0.003%
69	6.648	6.628	6.663	VV	695	10469	0.03%	0.001%
70	6.682	6.663	6.699	VV	1757	20955	0.06%	0.002%
71	6.720	6.699	6.743	VV	1768	22190	0.06%	0.002%
72	6.768	6.743	6.801	PV	1706	29476	0.08%	0.003%
73	6.832	6.801	6.853	VV	5070	69668	0.19%	0.006%
74	6.869	6.853	6.895	VV	2262	33380	0.09%	0.003%
75	6.931	6.895	6.976	VV	1424	49956	0.13%	0.004%
76	7.049	6.976	7.068	VV	2323	85214	0.23%	0.008%
77	7.090	7.068	7.105	VV	3845	56015	0.15%	0.005%
78	7.116	7.105	7.131	VV	3340	40511	0.11%	0.004%
79	7.146	7.131	7.164	VV	2964	42952	0.12%	0.004%
80	7.186	7.164	7.201	VV	4325	65452	0.18%	0.006%
81	7.216	7.201	7.238	VV	4612	70260	0.19%	0.006%
82	7.256	7.238	7.278	VV	3257	53649	0.14%	0.005%
83	7.318	7.278	7.336	VV	5330	127385	0.34%	0.011%
84	7.373	7.336	7.389	VV	5608	144843	0.39%	0.013%
85	7.418	7.389	7.441	VV	11872	217254	0.58%	0.019%
86	7.456	7.441	7.471	VV	3896	58937	0.16%	0.005%
87	7.507	7.471	7.528	VV	5250	130425	0.35%	0.012%
88	7.548	7.528	7.558	VV	3633	62827	0.17%	0.006%
89	7.593	7.558	7.615	VV	5701	160399	0.43%	0.014%

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Instrument :
FID_E
ClientSampleId :
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rteres

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/02/2025

90	7.635	7.615	7.653	VV	11998	185657	0.50%	0.017%
91	7.674	7.653	7.685	VV	7958	138355		
92	7.698	7.685	7.730	VV	8704	213113		
93	7.767	7.730	7.794	VV	9540	325912		
94	7.820	7.794	7.845	VV	9820	250386		
95	7.922	7.845	7.941	VV	14767	575804		
96	7.978	7.941	7.994	VV	13101	359100	0.96%	0.032%
97	8.014	7.994	8.033	VV	16718	316577	0.85%	0.028%
98	8.102	8.033	8.141	VV	17541	999557	2.68%	0.089%
99	8.206	8.141	8.223	VV	21147	842483	2.26%	0.075%
100	8.249	8.223	8.299	VV	51865	1351976	3.63%	0.120%
101	8.353	8.299	8.368	VV	24254	905236	2.43%	0.081%
102	8.391	8.368	8.415	VV	38440	832387	2.23%	0.074%
103	8.441	8.415	8.451	VV	28191	589902	1.58%	0.052%
104	8.490	8.451	8.505	VV	35170	1001336	2.69%	0.089%
105	8.521	8.505	8.561	VV	39430	1138377	3.05%	0.101%
106	8.582	8.561	8.601	VV	35833	810443	2.17%	0.072%
107	8.677	8.601	8.725	VV	77071	3484085	9.35%	0.310%
108	8.744	8.725	8.760	VV	54664	1038818	2.79%	0.092%
109	8.780	8.760	8.796	VV	58932	1120033	3.01%	0.100%
110	8.806	8.796	8.841	VV	50066	1275315	3.42%	0.113%
111	8.853	8.841	8.861	VV	47279	560985	1.51%	0.050%
112	8.911	8.861	8.927	VV	78163	2421598	6.50%	0.215%
113	8.947	8.927	8.964	VV	118444	1941091	5.21%	0.173%
114	8.977	8.964	8.997	VV	89690	1551519	4.16%	0.138%
115	9.018	8.997	9.026	VV	85984	1348733	3.62%	0.120%
116	9.045	9.026	9.100	VV	142929	4012431	10.77%	0.357%
117	9.113	9.100	9.120	VV	74491	879055	2.36%	0.078%
118	9.142	9.120	9.185	VV	100281	3333017	8.94%	0.296%
119	9.213	9.185	9.233	VV	94239	2572338	6.90%	0.229%
120	9.269	9.233	9.295	VV	112903	3485838	9.35%	0.310%
121	9.306	9.295	9.314	VV	97360	1100175	2.95%	0.098%
122	9.328	9.314	9.340	VV	100668	1539394	4.13%	0.137%
123	9.359	9.340	9.379	VV	111569	2402247	6.45%	0.214%
124	9.400	9.379	9.419	VV	108594	2476478	6.65%	0.220%
125	9.436	9.419	9.463	VV	109923	2760752	7.41%	0.246%
126	9.483	9.463	9.498	VV	111896	2216542	5.95%	0.197%
127	9.525	9.498	9.538	VV	117813	2684767	7.20%	0.239%
128	9.558	9.538	9.578	VV	129356	2872116	7.71%	0.255%
129	9.588	9.578	9.605	VV	115128	1820695	4.89%	0.162%
130	9.660	9.605	9.681	VV	175327	6277464	16.85%	0.558%
131	9.740	9.681	9.774	VV	192701	8098145	21.73%	0.720%
132	9.822	9.774	9.841	VV	181228	6051161	16.24%	0.538%
133	9.853	9.841	9.864	VV	156581	2140996	5.75%	0.190%
134	9.882	9.864	9.900	VV	163042	3366676	9.03%	0.299%
135	9.918	9.900	9.934	VV	161431	3202849	8.59%	0.285%
136	9.948	9.934	9.975	VV	161393	3776843	10.14%	0.336%
137	10.000	9.975	10.038	VV	190293	6383955	17.13%	0.568%
138	10.058	10.038	10.068	VV	175952	3043684	8.17%	0.271%
139	10.098	10.068	10.113	VV	177230	4667758	12.53%	0.415%
140	10.137	10.113	10.156	VV	189166	4649914	12.48%	0.414%
141	10.212	10.156	10.250	VV	195886	10399266	27.91%	0.925%

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Instrument :
FID_E
ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

A B C D E F G H I J

rteres

142	10.264	10.250	10.281	VV	192686	3512559	9.43%	0.312%
143	10.336	10.281	10.351	VV	205659	8369198	22	
144	10.373	10.351	10.388	VV	208177	4505091	12	
145	10.396	10.388	10.406	VV	209215	2175824	5	
146	10.435	10.406	10.458	VV	220385	6663938	17	
147	10.490	10.458	10.504	VV	234494	6278563	16	
148	10.532	10.504	10.590	VV	252358	12545668	33.67%	1.116%
149	10.615	10.590	10.626	VV	254119	5248979	14.09%	0.467%
150	10.645	10.626	10.654	VV	256403	4282478	11.49%	0.381%
151	10.676	10.654	10.702	VV	317594	7877719	21.14%	0.701%
152	10.725	10.702	10.734	VV	262412	4979093	13.36%	0.443%
153	10.747	10.734	10.766	VV	266581	5007054	13.44%	0.445%
154	10.813	10.766	10.863	VV	1111659	25786948	69.20%	2.293%
155	10.893	10.863	10.917	VV	300639	9384210	25.18%	0.835%
156	10.956	10.917	10.995	VV	453797	16156968	43.36%	1.437%
157	11.012	10.995	11.027	VV	296630	5620703	15.08%	0.500%
158	11.045	11.027	11.066	VV	305302	6914517	18.56%	0.615%
159	11.123	11.066	11.148	VV	359135	15686456	42.09%	1.395%
160	11.165	11.148	11.184	VV	334566	7068067	18.97%	0.629%
161	11.205	11.184	11.241	VV	342958	11082774	29.74%	0.986%
162	11.262	11.241	11.278	VV	345092	7271236	19.51%	0.647%
163	11.311	11.278	11.345	VV	351578	13367755	35.87%	1.189%
164	11.368	11.345	11.402	VV	365933	11765250	31.57%	1.046%
165	11.425	11.402	11.441	VV	341542	7988760	21.44%	0.710%
166	11.465	11.441	11.478	VV	358816	7737704	20.76%	0.688%
167	11.490	11.478	11.508	VV	361222	6430177	17.26%	0.572%
168	11.562	11.508	11.611	VV	684512	26505434	71.13%	2.357%
169	11.620	11.611	11.640	VV	359623	6092675	16.35%	0.542%
170	11.682	11.640	11.711	VV	550855	18402300	49.38%	1.637%
171	11.728	11.711	11.764	VV	363370	11421000	30.65%	1.016%
172	11.781	11.764	11.801	VV	360685	7825805	21.00%	0.696%
173	11.908	11.801	11.935	VV	931261	37264792	100.00%	3.314%
174	11.984	11.935	12.017	VV	390638	18755377	50.33%	1.668%
175	12.039	12.017	12.077	VV	442203	14809694	39.74%	1.317%
176	12.095	12.077	12.125	VV	441780	12244294	32.86%	1.089%
177	12.142	12.125	12.176	VV	493152	13525321	36.30%	1.203%
178	12.203	12.176	12.221	VV	457644	11563774	31.03%	1.028%
179	12.245	12.221	12.305	VV	479329	21708575	58.25%	1.931%
180	12.332	12.305	12.345	VV	410195	9387739	25.19%	0.835%
181	12.369	12.345	12.391	VV	410420	11313419	30.36%	1.006%
182	12.405	12.391	12.444	VV	409637	12600354	33.81%	1.121%
183	12.484	12.444	12.505	VV	421098	14952809	40.13%	1.330%
184	12.524	12.505	12.544	VV	420069	9389983	25.20%	0.835%
185	12.564	12.544	12.611	VV	418244	16490308	44.25%	1.467%
186	12.625	12.611	12.648	VV	408430	8739350	23.45%	0.777%
187	12.685	12.648	12.709	VV	423057	14869724	39.90%	1.322%
188	12.749	12.709	12.801	VV	424800	22340704	59.95%	1.987%
189	12.831	12.801	12.887	VV	419648	20456666	54.90%	1.819%
190	12.906	12.887	12.941	VV	421346	13109675	35.18%	1.166%
191	12.957	12.941	12.972	VV	396377	7108118	19.07%	0.632%
192	13.020	12.972	13.042	VV	399450	16320541	43.80%	1.451%
193	13.057	13.042	13.098	VV	388449	12723202	34.14%	1.132%
194	13.110	13.098	13.133	VV	372167	7603770	20.40%	0.676%

8

Instrument :
FID_E
ClientSampleId :
P5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

A B C D E F G H I J

					rteres			
195	13.171	13.133	13.211	VV	392786	17360375	46.59%	1.544%
196	13.236	13.211	13.254	VV	358366	9064142	24	
197	13.266	13.254	13.273	VV	360374	3971216	10	
198	13.277	13.273	13.288	VV	359066	3340623	8	
199	13.354	13.288	13.387	VV	716754	25818824	69	
200	13.404	13.387	13.441	VV	381071	11613509	31	
201	13.450	13.441	13.478	VV	357713	7866236	21.11%	0.700%
202	13.488	13.478	13.506	VV	340819	5744164	15.41%	0.511%
203	13.523	13.506	13.538	VV	344093	6415524	17.22%	0.571%
204	13.568	13.538	13.620	VV	407337	17202506	46.16%	1.530%
205	13.633	13.620	13.655	VV	323351	6609686	17.74%	0.588%
206	13.681	13.655	13.708	VV	329419	10251598	27.51%	0.912%
207	13.747	13.708	13.773	VV	330113	12415416	33.32%	1.104%
208	13.793	13.773	13.813	VV	312809	7233231	19.41%	0.643%
209	13.835	13.813	13.889	VV	305773	13732648	36.85%	1.221%
210	13.911	13.889	13.935	VV	293918	7918578	21.25%	0.704%
211	13.944	13.935	13.989	VV	292158	9263340	24.86%	0.824%
212	14.038	13.989	14.080	VV	396035	18266408	49.02%	1.625%
213	14.094	14.080	14.143	VV	327740	11354609	30.47%	1.010%
214	14.156	14.143	14.181	VV	275400	6296836	16.90%	0.560%
215	14.190	14.181	14.233	VV	264634	8059603	21.63%	0.717%
216	14.249	14.233	14.301	VV	259015	10060788	27.00%	0.895%
217	14.333	14.301	14.369	VV	251632	9678339	25.97%	0.861%
218	14.415	14.369	14.471	VV	225446	13285265	35.65%	1.182%
219	14.496	14.471	14.554	VV	221779	10169437	27.29%	0.904%
220	14.576	14.554	14.597	VV	193731	4854272	13.03%	0.432%
221	14.618	14.597	14.655	VV	196710	6366625	17.08%	0.566%
222	14.666	14.655	14.729	VV	174988	7511366	20.16%	0.668%
223	14.735	14.729	14.774	VV	163546	4340431	11.65%	0.386%
224	14.793	14.774	14.901	VV	163718	11146116	29.91%	0.991%
225	14.924	14.901	15.025	VV	139804	9615655	25.80%	0.855%
226	15.049	15.025	15.095	VV	129225	5056310	13.57%	0.450%
227	15.102	15.095	15.190	VV	115629	6162715	16.54%	0.548%
228	15.221	15.190	15.335	VV	164958	9352980	25.10%	0.832%
229	15.343	15.335	15.423	VV	87445	4321597	11.60%	0.384%
230	15.436	15.423	15.442	VV	77626	858064	2.30%	0.076%
231	15.456	15.442	15.538	VV	79259	4192865	11.25%	0.373%
232	15.540	15.538	15.571	VV	69190	1348944	3.62%	0.120%
233	15.601	15.571	15.711	VV	73317	5347159	14.35%	0.476%
234	15.729	15.711	15.781	VV	56217	2278847	6.12%	0.203%
235	15.798	15.781	15.855	VV	52909	2160480	5.80%	0.192%
236	15.860	15.855	15.971	VV	44655	2908830	7.81%	0.259%
237	15.985	15.971	16.016	VV	39378	1026108	2.75%	0.091%
238	16.036	16.016	16.108	VV	38747	1944432	5.22%	0.173%
239	16.118	16.108	16.138	VV	33472	585790	1.57%	0.052%
240	16.151	16.138	16.225	VV	32462	1588171	4.26%	0.141%
241	16.235	16.225	16.392	VV	29001	2559519	6.87%	0.228%
242	16.419	16.392	16.508	VV	23581	1468624	3.94%	0.131%
243	16.531	16.508	16.581	VV	20395	857840	2.30%	0.076%
244	16.595	16.581	16.650	VV	18110	709390	1.90%	0.063%
245	16.675	16.650	16.693	VV	17118	420724	1.13%	0.037%
246	16.714	16.693	16.732	VV	17075	381367	1.02%	0.034%

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Instrument :
FID_E
ClientSampleId :
P5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

A B C D E F G H I J

rteres

247	16.744	16.732	16.774	VV	15919	389328	1.04%	0.035%
248	16.788	16.774	16.801	VV	14640	230745		
249	16.823	16.801	16.855	VV	16748	467854		
250	16.866	16.855	16.908	VV	12156	386769		
251	16.917	16.908	16.969	VV	12078	415832		
252	17.007	16.969	17.058	VV	13074	591302		
253	17.078	17.058	17.094	VV	11202	231873	0.62%	0.021%
254	17.122	17.094	17.141	VV	13100	330397	0.89%	0.029%
255	17.176	17.141	17.205	VV	13498	464552	1.25%	0.041%
256	17.232	17.205	17.331	VV	18389	881034	2.36%	0.078%
257	17.349	17.331	17.389	VV	8714	280122	0.75%	0.025%
258	17.409	17.389	17.488	VV	7583	386428	1.04%	0.034%
259	17.517	17.488	17.526	VV	6696	141969	0.38%	0.013%
260	17.550	17.526	17.584	VV	9223	256241	0.69%	0.023%
261	17.632	17.584	17.685	VV	10704	417208	1.12%	0.037%
262	17.724	17.685	17.741	VV	5849	185248	0.50%	0.016%
263	17.748	17.741	17.771	VV	5589	94227	0.25%	0.008%
264	17.798	17.771	17.843	VV	5381	202096	0.54%	0.018%
265	17.874	17.843	17.898	VV	5159	147749	0.40%	0.013%
266	17.907	17.898	17.930	VV	4050	75967	0.20%	0.007%
267	17.973	17.930	18.010	VV	5564	217107	0.58%	0.019%
268	18.071	18.010	18.115	VV	11344	366607	0.98%	0.033%
269	18.158	18.115	18.189	VV	4152	163810	0.44%	0.015%
270	18.212	18.189	18.233	VV	3993	95125	0.26%	0.008%
271	18.247	18.233	18.265	VV	3541	61869	0.17%	0.006%
272	18.292	18.265	18.328	VV	5156	137846	0.37%	0.012%
273	18.390	18.328	18.416	VV	5966	186807	0.50%	0.017%
274	18.449	18.416	18.465	VV	5820	137145	0.37%	0.012%
275	18.495	18.465	18.536	VV	14059	328483	0.88%	0.029%
276	18.558	18.536	18.664	VV	4371	266942	0.72%	0.024%
277	18.689	18.664	18.708	VV	2671	62720	0.17%	0.006%
278	18.729	18.708	18.748	VV	3023	64176	0.17%	0.006%
279	18.758	18.748	18.839	VV	2633	108427	0.29%	0.010%
280	18.904	18.839	18.944	VV	14925	314772	0.84%	0.028%
281	18.966	18.944	18.988	VV	2373	57094	0.15%	0.005%
282	19.004	18.988	19.023	VV	2754	50877	0.14%	0.005%
283	19.059	19.023	19.136	VV	2885	138703	0.37%	0.012%
284	19.161	19.136	19.184	VV	1665	42641	0.11%	0.004%
285	19.220	19.184	19.248	VV	27564	423625	1.14%	0.038%
286	19.267	19.248	19.278	VV	6369	96268	0.26%	0.009%
287	19.304	19.278	19.384	VV	14005	389467	1.05%	0.035%
288	19.403	19.384	19.456	VV	2834	106105	0.28%	0.009%
289	19.470	19.456	19.489	VV	2352	45642	0.12%	0.004%
290	19.497	19.489	19.524	VV	2162	39989	0.11%	0.004%
291	19.553	19.524	19.574	VV	2101	52980	0.14%	0.005%
292	19.598	19.574	19.621	VV	1766	42529	0.11%	0.004%
293	19.691	19.621	19.741	VV	12731	287573	0.77%	0.026%
294	19.803	19.741	19.841	VV	2340	115119	0.31%	0.010%
295	19.865	19.841	19.901	VV	1955	66112	0.18%	0.006%
296	19.933	19.901	19.954	VV	2642	71834	0.19%	0.006%
297	19.989	19.954	20.020	VV	3778	119487	0.32%	0.011%
298	20.066	20.020	20.153	VV	11877	399121	1.07%	0.035%
299	20.225	20.153	20.268	VV	3985	232970	0.63%	0.021%

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Instrument :
FID_E
ClientSampleId :
P5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

A B C D E F G H I J

rteres

300	20.305	20.268	20.330	VV	3953	131536	0.35%	0.012%
301	20.345	20.330	20.386	VV	3656	108901		
302	20.433	20.386	20.481	VV	11774	324461		
303	20.596	20.481	20.638	VV	5413	386795		
304	20.661	20.638	20.681	VV	4731	119377		
305	20.708	20.681	20.755	VV	5117	200197		
306	20.791	20.755	20.891	VV	9882	488098	1.31%	0.043%
307	20.948	20.891	21.008	VV	5448	343881	0.92%	0.031%
308	21.035	21.008	21.045	VV	4439	95744	0.26%	0.009%
309	21.080	21.045	21.135	VV	5550	256157	0.69%	0.023%
310	21.173	21.135	21.253	VV	8634	368433	0.99%	0.033%
311	21.271	21.253	21.307	VV	3304	101940	0.27%	0.009%
312	21.416	21.307	21.454	VV	3421	280863	0.75%	0.025%
313	21.481	21.454	21.559	VV	3171	179899	0.48%	0.016%
314	21.602	21.559	21.704	VV	4495	263939	0.71%	0.023%
315	21.716	21.704	21.757	VV	2269	69354	0.19%	0.006%
316	21.813	21.757	21.941	VV	2276	222691	0.60%	0.020%
317	21.977	21.941	22.027	VV	1666	77874	0.21%	0.007%
318	22.091	22.027	22.308	VV	3435	275092	0.74%	0.024%
319	22.366	22.308	22.375	VV	790	31681	0.09%	0.003%
320	22.397	22.375	22.545	VV	751	44316	0.12%	0.004%
321	22.576	22.545	22.588	PV	68	1803	0.00%	0.000%

Sum of corrected areas: 1124393216

Aliphatic EPH 032925.M Tue Apr 01 02:29:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
Data File : FE053090.D
Signal(s) : FID1B.ch
Acq On : 01 Apr 2025 08:15
Operator : YP\AJ
Sample : Q1675-05DL 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P5DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
Quant Time: Apr 02 04:44:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.894	393234	2.414 ug/mlm
Spiked Amount 50.000		Recovery =	4.83%
12) S 1-chlorooctadecane (S...	13.339	251156	2.092 ug/mlm
Spiked Amount 50.000		Recovery =	4.18%
Target Compounds			

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

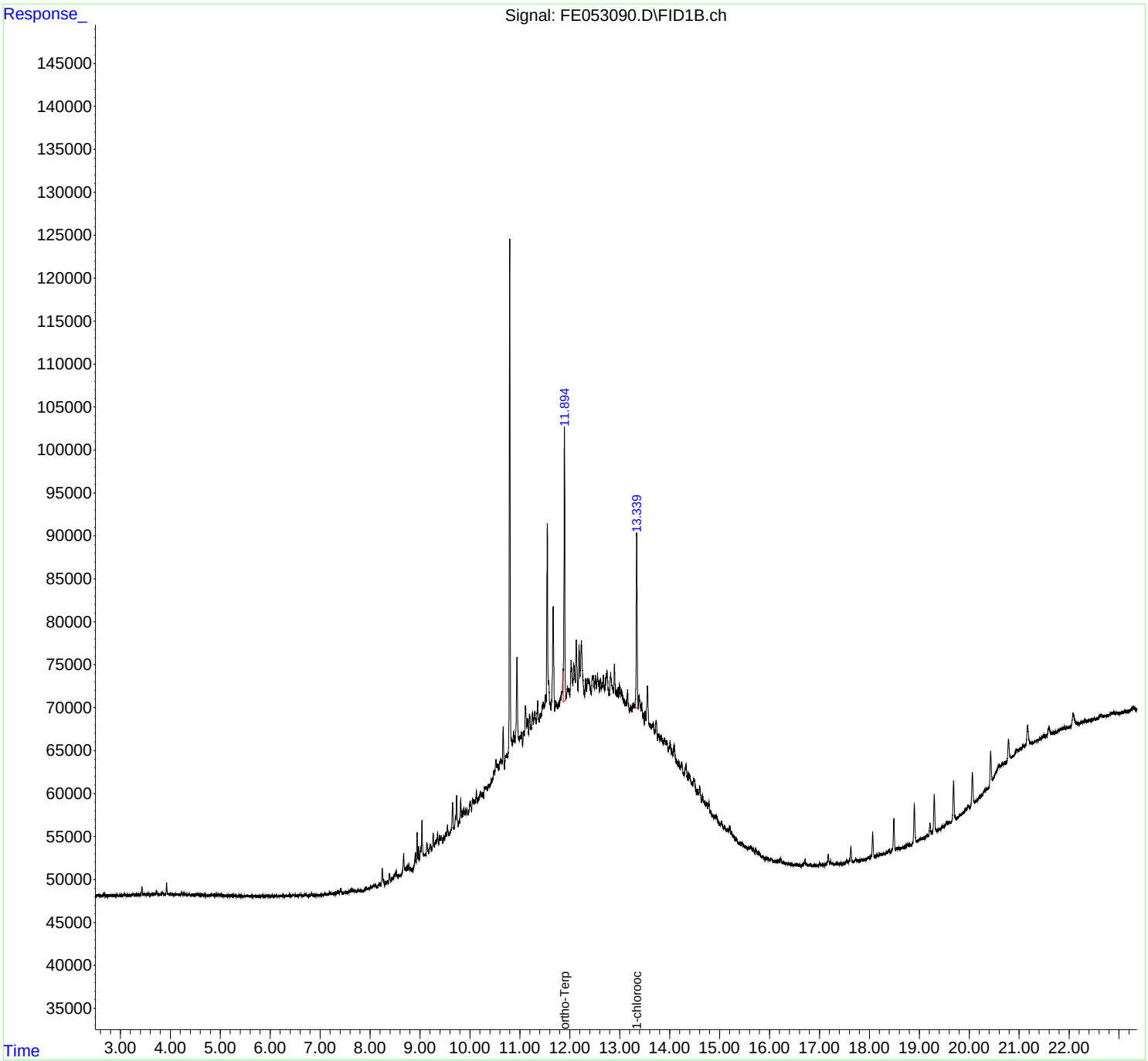
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
Data File : FE053090.D
Signal(s) : FID1B.ch
Acq On : 01 Apr 2025 08:15
Operator : YP\AJ
Sample : Q1675-05DL 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

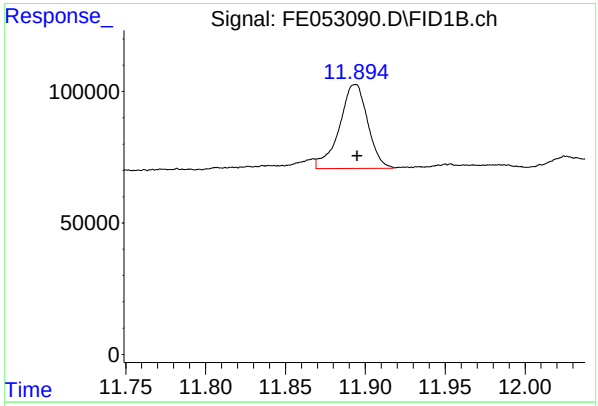
Integration File: autoint1.e
Quant Time: Apr 02 04:44:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
P5DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025





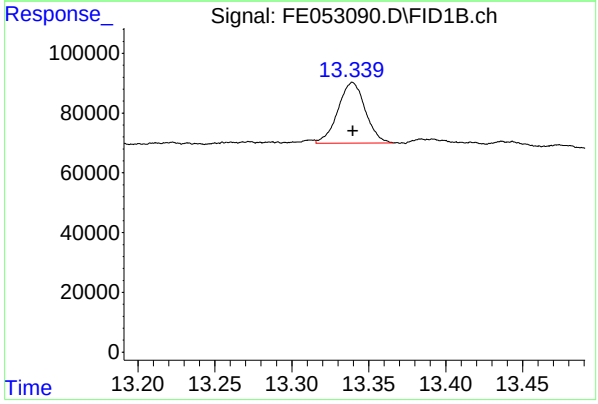
#9 ortho-Terphenyl (SURR)

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 393234
Conc: 2.41 ug/ml

Instrument :
FID_E
ClientSampleId :
P5DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.339 min
Delta R.T.: 0.000 min
Response: 251156
Conc: 2.09 ug/ml m

Instrument :
FID_E
ClientSampleId :
P5DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE04012
Data File : FE053090.D
Signal(s) : FID1B.ch
Acq On : 01 Apr 2025 08:15
Sample : Q1675-05DL 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.843	2.804	2.865	BV	61	941	0.03%	0.001%
2	2.876	2.865	2.891	VV	77	852	0.03%	0.001%
3	2.899	2.891	2.914	VV	60	688	0.02%	0.001%
4	2.932	2.914	2.955	VV	221	2648	0.08%	0.004%
5	2.965	2.955	3.040	PV	114	3728	0.12%	0.006%
6	3.078	3.040	3.111	VV	226	5834	0.18%	0.009%
7	3.122	3.111	3.129	VV	157	1272	0.04%	0.002%
8	3.155	3.129	3.171	VV	171	2881	0.09%	0.005%
9	3.268	3.171	3.281	VV	246	9830	0.31%	0.015%
10	3.287	3.281	3.314	VV	202	2790	0.09%	0.004%
11	3.322	3.314	3.331	VV	187	1770	0.06%	0.003%
12	3.349	3.331	3.361	VV	232	3276	0.10%	0.005%
13	3.365	3.361	3.371	VV	268	1233	0.04%	0.002%
14	3.381	3.371	3.392	VV	235	2426	0.08%	0.004%
15	3.399	3.392	3.413	VV	198	2566	0.08%	0.004%
16	3.431	3.413	3.461	VV	1073	14088	0.44%	0.022%
17	3.474	3.461	3.508	VV	269	6317	0.20%	0.010%
18	3.514	3.508	3.524	VV	252	2296	0.07%	0.004%
19	3.553	3.524	3.594	VV	292	9877	0.31%	0.016%
20	3.723	3.594	3.807	VV	613	34273	1.08%	0.054%
21	3.839	3.807	3.902	VV	427	16742	0.53%	0.026%
22	3.925	3.902	3.990	VV	1584	25693	0.81%	0.040%
23	4.002	3.990	4.020	VV	355	5251	0.16%	0.008%
24	4.036	4.020	4.058	VV	341	6199	0.19%	0.010%
25	4.071	4.058	4.098	VV	270	5418	0.17%	0.009%
26	4.133	4.098	4.174	VV	280	10208	0.32%	0.016%
27	4.225	4.174	4.258	VV	452	13664	0.43%	0.021%
28	4.271	4.258	4.294	VV	318	5446	0.17%	0.009%
29	4.303	4.294	4.345	VV	261	6804	0.21%	0.011%
30	4.360	4.345	4.371	VV	231	3278	0.10%	0.005%
31	4.381	4.371	4.413	VV	241	5015	0.16%	0.008%
32	4.435	4.413	4.486	VV	264	8571	0.27%	0.013%
33	4.496	4.486	4.521	VV	234	4190	0.13%	0.007%
34	4.547	4.521	4.561	VV	277	5470	0.17%	0.009%
35	4.575	4.561	4.608	VV	223	5202	0.16%	0.008%
36	4.623	4.608	4.678	VV	286	7220	0.23%	0.011%

8

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/02/2025
Supervised By :mohammad ahmed 04/03/2025

A B C D E F G H I J

					rteres			
37	4.685	4.678	4.721	VV	157	3279	0.10%	0.005%
38	4.734	4.721	4.746	VV	145	1790		
39	4.755	4.746	4.764	VV	153	1186		
40	4.782	4.764	4.804	VV	186	3492		
41	4.814	4.804	4.852	VV	249	5241		
42	4.859	4.852	4.864	VV	207	1361		
43	4.883	4.864	4.894	VV	219	3367	0.11%	0.005%
44	4.922	4.894	4.932	VV	253	4438	0.14%	0.007%
45	4.938	4.932	4.950	VV	231	2021	0.06%	0.003%
46	4.961	4.950	4.971	VV	203	2251	0.07%	0.004%
47	5.009	4.971	5.031	VV	211	5840	0.18%	0.009%
48	5.060	5.031	5.072	VV	154	3089	0.10%	0.005%
49	5.081	5.072	5.094	VV	184	1566	0.05%	0.002%
50	5.115	5.094	5.164	VV	161	4667	0.15%	0.007%
51	5.213	5.164	5.248	VV	171	5266	0.17%	0.008%
52	5.291	5.248	5.346	VV	168	5238	0.16%	0.008%
53	5.367	5.346	5.377	VV	96	1215	0.04%	0.002%
54	5.399	5.377	5.411	VV	87	1317	0.04%	0.002%
55	5.421	5.411	5.438	VV	66	1071	0.03%	0.002%
56	5.451	5.438	5.464	VV	110	1206	0.04%	0.002%
57	5.541	5.464	5.578	VV	166	6639	0.21%	0.010%
58	5.583	5.578	5.598	VV	126	955	0.03%	0.002%
59	5.607	5.598	5.621	VV	95	917	0.03%	0.001%
60	5.647	5.621	5.688	VV	182	3608	0.11%	0.006%
61	5.714	5.688	5.798	VV	145	4453	0.14%	0.007%
62	5.836	5.798	5.903	PV	173	5924	0.19%	0.009%
63	5.939	5.903	5.952	VV	203	3371	0.11%	0.005%
64	5.961	5.952	6.014	VV	126	3090	0.10%	0.005%
65	6.031	6.014	6.042	VV	115	1429	0.04%	0.002%
66	6.048	6.042	6.066	VV	82	872	0.03%	0.001%
67	6.081	6.066	6.108	VV	88	1370	0.04%	0.002%
68	6.115	6.108	6.121	VV	74	373	0.01%	0.001%
69	6.129	6.121	6.171	VV	76	1029	0.03%	0.002%
70	6.216	6.171	6.292	VV	107	4841	0.15%	0.008%
71	6.323	6.292	6.365	VV	130	3130	0.10%	0.005%
72	6.386	6.365	6.437	PV	196	4976	0.16%	0.008%
73	6.446	6.437	6.468	VV	140	2131	0.07%	0.003%
74	6.479	6.468	6.521	VV	113	2768	0.09%	0.004%
75	6.573	6.521	6.645	VV	126	6885	0.22%	0.011%
76	6.682	6.645	6.701	PV	162	2595	0.08%	0.004%
77	6.717	6.701	6.744	VV	130	1977	0.06%	0.003%
78	6.777	6.744	6.798	PV	90	1940	0.06%	0.003%
79	6.830	6.798	6.848	VV	287	3844	0.12%	0.006%
80	6.866	6.848	6.891	VV	74	2125	0.07%	0.003%
81	6.938	6.891	7.007	PV	84	2998	0.09%	0.005%
82	7.087	7.007	7.131	PV	175	5535	0.17%	0.009%
83	7.145	7.131	7.164	VV	122	1480	0.05%	0.002%
84	7.185	7.164	7.241	PV	226	6501	0.20%	0.010%
85	7.254	7.241	7.281	VV	210	2310	0.07%	0.004%
86	7.302	7.281	7.321	VV	222	4147	0.13%	0.007%
87	7.368	7.321	7.386	VV	321	9110	0.29%	0.014%
88	7.503	7.471	7.534	VV	267	6812	0.21%	0.011%
89	7.634	7.534	7.727	VV	617	31544	0.99%	0.050%

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rteres

Manual IntegrationsAPPROVED

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90	7.765	7.727	7.798	VV	377	11381	0.36%	0.018%
91	7.815	7.798	7.841	VV	341	7261		
92	7.918	7.841	7.961	VV	679	25767		
93	8.012	7.961	8.031	VV	766	21784		
94	8.103	8.031	8.143	VV	772	47124		
95	8.246	8.143	8.301	VV	2699	105377		
96	8.521	8.418	8.560	VV	2240	145293	4.56%	0.229%
97	8.579	8.560	8.599	VV	1838	40364	1.27%	0.063%
98	8.674	8.599	8.722	VV	4259	183077	5.75%	0.288%
99	8.742	8.722	8.758	VV	2832	53528	1.68%	0.084%
100	8.777	8.758	8.841	VV	3059	126425	3.97%	0.199%
101	8.909	8.841	8.923	VV	4227	149891	4.70%	0.236%
102	8.943	8.923	8.994	VV	6585	191719	6.02%	0.302%
103	9.041	8.994	9.114	VV	8025	336946	10.58%	0.530%
104	9.140	9.114	9.181	VV	5349	183894	5.77%	0.289%
105	9.209	9.181	9.231	VV	5116	143626	4.51%	0.226%
106	9.266	9.231	9.288	VV	6403	181453	5.70%	0.285%
107	9.354	9.288	9.374	VV	6569	289315	9.08%	0.455%
108	9.395	9.374	9.415	VV	6032	139186	4.37%	0.219%
109	9.433	9.415	9.457	VV	6107	143352	4.50%	0.225%
110	9.478	9.457	9.493	VV	6135	126034	3.96%	0.198%
111	9.553	9.493	9.589	VV	7283	367171	11.52%	0.578%
112	9.654	9.589	9.684	VV	9860	418581	13.14%	0.658%
113	9.735	9.684	9.768	VV	10732	414518	13.01%	0.652%
114	9.816	9.768	9.859	VV	10151	455900	14.31%	0.717%
115	9.877	9.859	9.898	VV	9076	204123	6.41%	0.321%
116	9.943	9.898	9.964	VV	9180	349277	10.96%	0.549%
117	10.007	9.964	10.031	VV	9910	368947	11.58%	0.580%
118	10.055	10.031	10.111	VV	10168	467889	14.69%	0.736%
119	10.131	10.111	10.153	VV	10988	257349	8.08%	0.405%
120	10.207	10.153	10.274	VV	10840	763561	23.97%	1.201%
121	10.328	10.274	10.347	VV	11539	489843	15.37%	0.770%
122	10.524	10.347	10.581	VV	14392	1787307	56.10%	2.811%
123	10.668	10.581	10.698	VV	18310	1037257	32.56%	1.632%
124	10.799	10.698	10.851	VV	74958	2109360	66.21%	3.318%
125	10.877	10.851	10.903	VV	17641	525824	16.50%	0.827%
126	10.944	10.903	10.992	VV	26343	1036182	32.52%	1.630%
127	11.033	10.992	11.055	VV	17472	641949	20.15%	1.010%
128	11.114	11.055	11.138	VV	20559	912807	28.65%	1.436%
129	11.154	11.138	11.175	VV	19078	408787	12.83%	0.643%
130	11.197	11.175	11.228	VV	19593	589737	18.51%	0.928%
131	11.252	11.228	11.271	VV	19726	492083	15.45%	0.774%
132	11.299	11.271	11.326	VV	19808	628651	19.73%	0.989%
133	11.357	11.326	11.387	VV	21033	714321	22.42%	1.124%
134	11.550	11.387	11.624	VV	41690	3186024	100.00%	5.011%
135	11.668	11.624	11.701	VV	31882	1122703	35.24%	1.766%
136	11.734	11.701	11.757	VV	20776	681568	21.39%	1.072%
137	11.893	11.757	11.928	VV	53213	2584765	81.13%	4.066%
138	11.955	11.928	12.000	VV	22437	950807	29.84%	1.496%
139	12.028	12.000	12.060	VV	25259	850941	26.71%	1.338%
140	12.082	12.060	12.111	VV	25060	737768	23.16%	1.160%
141	12.131	12.111	12.164	VV	27923	782757	24.57%	1.231%

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Instrument :
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Manual IntegrationsAPPROVED

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rteres

142	12.189	12.164	12.208	VV	27353	658245	20.66%	1.035%
143	12.232	12.208	12.298	VV	27674	1315826	41	
144	12.319	12.298	12.334	VV	23223	495809	15	
145	12.358	12.334	12.427	VV	23353	1255162	39	
146	12.464	12.427	12.494	VV	23699	933047	29	
147	12.512	12.494	12.531	VV	23722	506620	15	
148	12.556	12.531	12.594	VV	24033	865140	27.15%	1.361%
149	12.614	12.594	12.631	VV	23276	503024	15.79%	0.791%
150	12.672	12.631	12.701	VV	23550	951937	29.88%	1.497%
151	12.745	12.701	12.791	VV	24008	1228838	38.57%	1.933%
152	12.819	12.791	12.874	VV	23807	1126519	35.36%	1.772%
153	12.895	12.874	12.978	VV	24835	1371783	43.06%	2.158%
154	12.998	12.978	13.111	VV	22240	1695280	53.21%	2.667%
155	13.157	13.111	13.196	VV	21715	1036104	32.52%	1.630%
156	13.221	13.196	13.244	VV	19907	571273	17.93%	0.899%
157	13.272	13.244	13.293	VV	20107	582627	18.29%	0.916%
158	13.339	13.293	13.371	VV	39773	1173054	36.82%	1.845%
159	13.389	13.371	13.494	VV	20803	1449488	45.50%	2.280%
160	13.509	13.494	13.525	VV	19174	339764	10.66%	0.534%
161	13.555	13.525	13.631	VV	22039	1199911	37.66%	1.887%
162	13.668	13.631	13.699	VV	17854	707678	22.21%	1.113%
163	13.730	13.699	13.804	VV	18022	1046916	32.86%	1.647%
164	13.821	13.804	13.872	VV	16016	646647	20.30%	1.017%
165	13.895	13.872	13.924	VV	15769	487875	15.31%	0.767%
166	13.938	13.924	13.971	VV	15550	425189	13.35%	0.669%
167	14.008	13.971	14.063	VV	15491	810980	25.45%	1.276%
168	14.091	14.063	14.171	VV	15045	886007	27.81%	1.394%
169	14.182	14.171	14.213	VV	13171	322256	10.11%	0.507%
170	14.240	14.213	14.291	VV	12936	573472	18.00%	0.902%
171	14.326	14.291	14.355	VV	12592	457337	14.35%	0.719%
172	14.370	14.355	14.384	VV	11605	203564	6.39%	0.320%
173	14.398	14.384	14.461	VV	11519	494079	15.51%	0.777%
174	14.486	14.461	14.575	VV	10949	686602	21.55%	1.080%
175	14.602	14.575	14.638	VV	10067	352494	11.06%	0.554%
176	14.658	14.638	14.762	VV	8968	611658	19.20%	0.962%
177	14.783	14.762	14.889	VV	8161	539106	16.92%	0.848%
178	14.912	14.889	15.007	VV	6673	435644	13.67%	0.685%
179	15.037	15.007	15.078	VV	5867	234295	7.35%	0.369%
180	15.099	15.078	15.135	VV	5159	172978	5.43%	0.272%
181	15.154	15.135	15.171	VV	4894	103301	3.24%	0.162%
182	15.202	15.171	15.326	VV	5221	403211	12.66%	0.634%
183	15.341	15.326	15.428	VV	3690	202478	6.36%	0.318%
184	15.448	15.428	15.554	VV	3224	219129	6.88%	0.345%
185	15.570	15.554	15.588	VV	2609	51263	1.61%	0.081%
186	15.618	15.588	15.704	VV	2791	171975	5.40%	0.271%
187	15.723	15.704	15.771	VV	2432	84867	2.66%	0.133%
188	15.786	15.771	15.928	VV	2033	145001	4.55%	0.228%
189	15.944	15.928	16.004	VV	1253	53887	1.69%	0.085%
190	16.028	16.004	16.131	VV	1162	73163	2.30%	0.115%
191	16.184	16.131	16.204	VV	894	36600	1.15%	0.058%
192	16.224	16.204	16.398	VV	1136	71887	2.26%	0.113%
193	16.414	16.398	16.457	VV	466	14198	0.45%	0.022%
194	16.474	16.457	16.497	VV	348	7004	0.22%	0.011%

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					rteres			
195	16.538	16.497	16.638	VV	341	20278	0.64%	0.032%
196	16.709	16.638	16.764	VV	825	26579		
197	16.817	16.764	16.845	VV	318	7722		
198	16.881	16.845	16.898	VV	145	3347		
199	16.913	16.898	16.971	VV	116	3418		
200	17.000	16.971	17.034	PV	178	4904		
201	17.068	17.034	17.098	VV	218	4043	0.13%	0.006%
202	17.176	17.098	17.204	VV	1234	25321	0.79%	0.040%
203	17.225	17.204	17.298	VV	391	10438	0.33%	0.016%
204	17.351	17.298	17.400	VV	220	6006	0.19%	0.009%
205	17.417	17.400	17.437	VV	148	1931	0.06%	0.003%
206	17.544	17.437	17.571	PV	389	10893	0.34%	0.017%
207	17.628	17.571	17.677	VV	1802	33418	1.05%	0.053%
208	17.723	17.677	17.763	VV	297	8898	0.28%	0.014%
209	17.786	17.763	17.814	VV	167	3050	0.10%	0.005%
210	17.858	17.814	17.888	VV	158	4597	0.14%	0.007%
211	17.917	17.888	17.938	PV	128	3151	0.10%	0.005%
212	17.972	17.938	17.991	PV	303	5026	0.16%	0.008%
213	18.066	17.991	18.107	VV	3033	50816	1.59%	0.080%
214	18.207	18.107	18.224	VV	250	11198	0.35%	0.018%
215	18.243	18.224	18.258	VV	251	3197	0.10%	0.005%
216	18.284	18.258	18.311	VV	191	3777	0.12%	0.006%
217	18.388	18.311	18.414	PV	350	11530	0.36%	0.018%
218	18.490	18.414	18.528	VV	3767	61180	1.92%	0.096%
219	18.576	18.528	18.621	VV	250	9680	0.30%	0.015%
220	18.632	18.621	18.644	VV	114	871	0.03%	0.001%
221	18.757	18.644	18.781	VV	215	5315	0.17%	0.008%
222	18.900	18.781	18.948	PV	4559	74560	2.34%	0.117%
223	19.158	18.948	19.184	VV	317	12561	0.39%	0.020%
224	19.214	19.184	19.248	PV	1420	21741	0.68%	0.034%
225	19.299	19.248	19.360	VV	4474	76237	2.39%	0.120%
226	19.549	19.360	19.568	PV	351	16507	0.52%	0.026%
227	19.595	19.568	19.617	VV	220	4394	0.14%	0.007%
228	19.686	19.617	19.751	PV	4672	81643	2.56%	0.128%
229	19.977	19.751	20.004	PV	574	36464	1.14%	0.057%
230	20.063	20.004	20.107	VV	4071	82685	2.60%	0.130%
231	20.429	20.107	20.467	VV	4930	226866	7.12%	0.357%
232	20.595	20.467	20.628	VV	2577	203815	6.40%	0.321%
233	20.704	20.628	20.731	VV	2466	146840	4.61%	0.231%
234	20.786	20.731	20.834	VV	4685	189597	5.95%	0.298%
235	20.953	20.834	20.978	VV	2831	221254	6.94%	0.348%
236	21.077	20.978	21.104	VV	2796	202087	6.34%	0.318%
237	21.169	21.104	21.251	VV	4706	267230	8.39%	0.420%
238	21.511	21.251	21.528	VV	2044	352725	11.07%	0.555%
239	21.597	21.528	21.671	VV	2665	174291	5.47%	0.274%
240	22.083	21.671	22.204	VV	2121	388656	12.20%	0.611%
241	22.345	22.204	22.364	VV	178	26907	0.84%	0.042%
			Sum of corrected areas:			63575933		

Aliphatic EPH 032925.M Wed Apr 02 05:49:13 2025

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053080.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 19:34
Operator : YP\AJ
Sample : Q1675-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P6

Integration File: autoint1.e
Quant Time: Apr 01 01:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.900	5260824	32.298 ug/ml
Spiked Amount 50.000		Recovery =	64.60%
12) S 1-chlorooctadecane (S...	13.344	3873486	32.267 ug/ml
Spiked Amount 50.000		Recovery =	64.53%
Target Compounds			

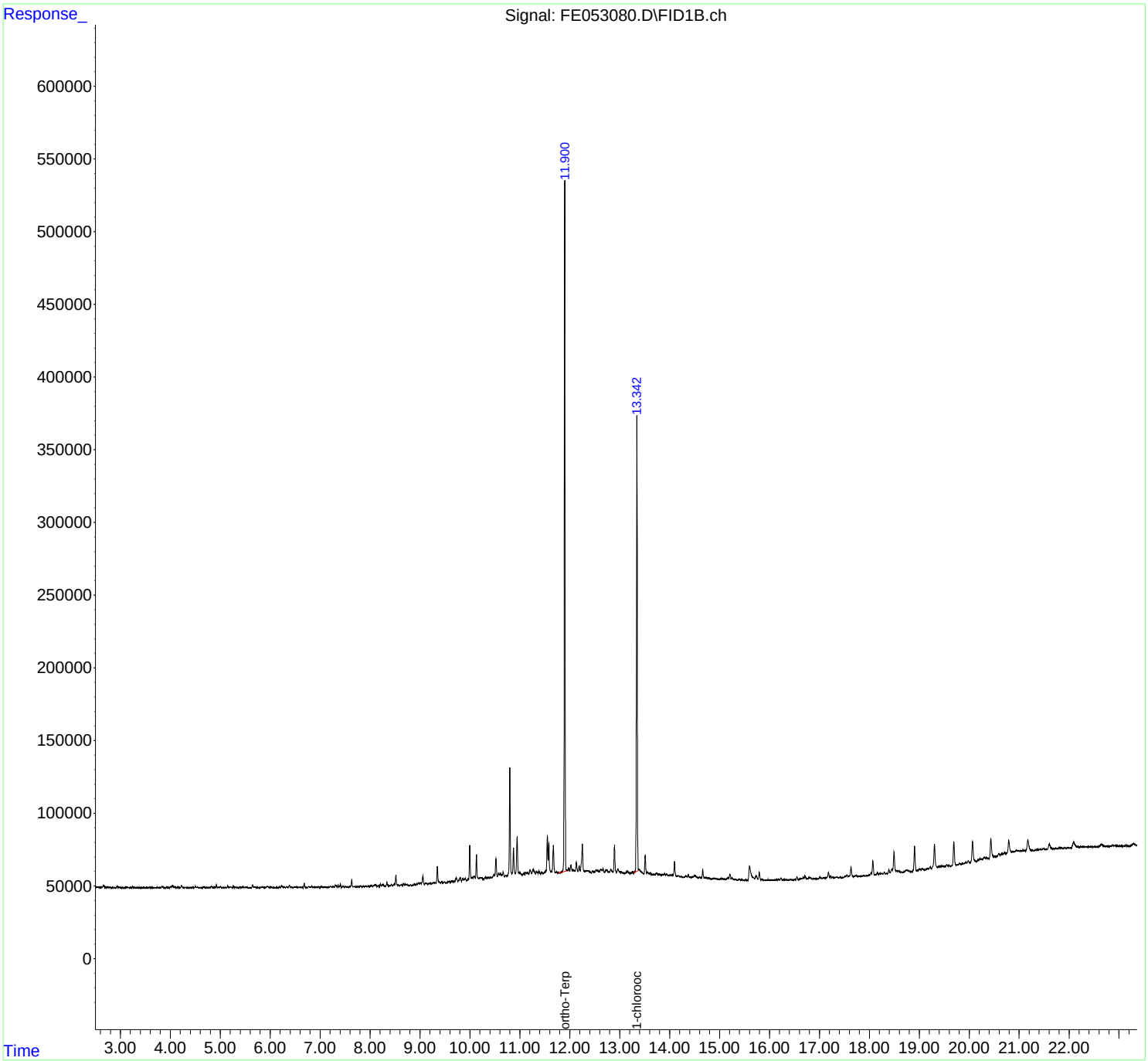
(f)=RT Delta > 1/2 Window (m)=manual int.

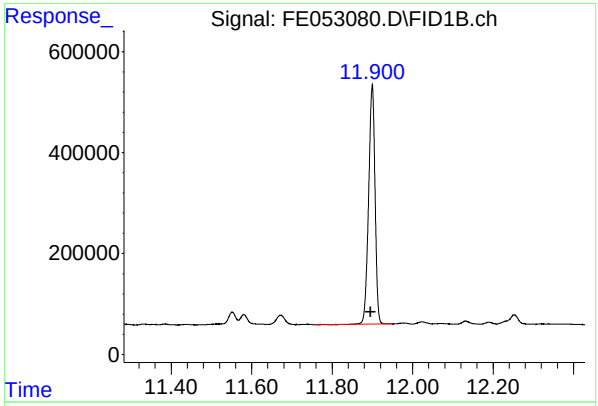
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053080.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 19:34
Operator : YP\AJ
Sample : Q1675-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P6

Integration File: autoint1.e
Quant Time: Apr 01 01:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

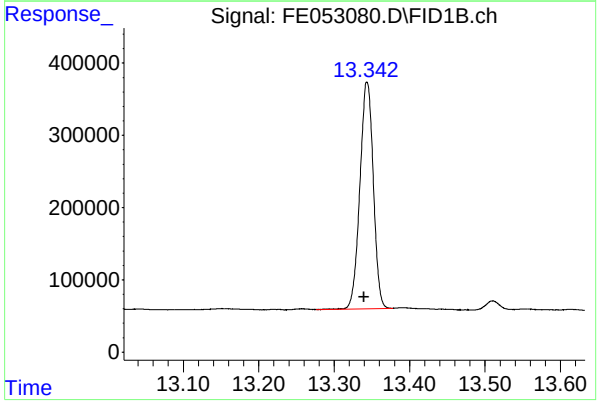




#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min
Delta R.T.: 0.004 min
Response: 5260824
Conc: 32.30 ug/ml

Instrument :
FID_E
ClientSampleId :
P6



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: 0.004 min
Response: 3873486
Conc: 32.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053080.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 19:34
Sample : Q1675-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.880	2.805	2.900	BV	228	2025	0.03%	0.005%
2	2.935	2.900	2.958	PV	935	11223	0.19%	0.025%
3	2.963	2.958	3.036	VV	238	4883	0.08%	0.011%
4	3.055	3.036	3.066	VV	154	1604	0.03%	0.004%
5	3.071	3.066	3.101	VV	38	700	0.01%	0.002%
6	3.125	3.101	3.168	VV	322	6980	0.12%	0.016%
7	3.175	3.168	3.186	VV	106	1043	0.02%	0.002%
8	3.193	3.186	3.202	VV	102	786	0.01%	0.002%
9	3.243	3.202	3.260	VV	344	5471	0.09%	0.012%
10	3.272	3.260	3.348	VV	314	6898	0.11%	0.016%
11	3.362	3.348	3.373	VV	141	1422	0.02%	0.003%
12	3.417	3.373	3.445	VV	122	3843	0.06%	0.009%
13	3.483	3.445	3.504	VV	247	5324	0.09%	0.012%
14	3.513	3.504	3.545	VV	253	4597	0.08%	0.010%
15	3.579	3.545	3.605	VV	249	5671	0.09%	0.013%
16	3.612	3.605	3.655	VV	135	3507	0.06%	0.008%
17	3.661	3.655	3.678	VV	108	1148	0.02%	0.003%
18	3.691	3.678	3.706	VV	275	2744	0.05%	0.006%
19	3.728	3.706	3.758	VV	349	6107	0.10%	0.014%
20	3.769	3.758	3.800	VV	217	3085	0.05%	0.007%
21	3.831	3.800	3.845	PV	1133	13016	0.22%	0.029%
22	3.854	3.845	3.902	VV	686	8587	0.14%	0.019%
23	3.930	3.902	3.981	PV	550	10528	0.17%	0.024%
24	4.006	3.981	4.021	VV	929	13744	0.23%	0.031%
25	4.040	4.021	4.131	VV	1578	46001	0.76%	0.104%
26	4.150	4.131	4.174	VV	483	7756	0.13%	0.017%
27	4.192	4.174	4.201	VV	257	3685	0.06%	0.008%
28	4.225	4.201	4.262	VV	1876	25985	0.43%	0.059%
29	4.274	4.262	4.321	VV	339	7458	0.12%	0.017%
30	4.338	4.321	4.356	VV	178	3123	0.05%	0.007%
31	4.397	4.356	4.427	VV	345	7453	0.12%	0.017%
32	4.444	4.427	4.478	VV	239	5403	0.09%	0.012%
33	4.503	4.478	4.524	VV	996	13265	0.22%	0.030%
34	4.540	4.524	4.561	VV	649	8618	0.14%	0.019%
35	4.578	4.561	4.595	VV	310	4080	0.07%	0.009%
36	4.623	4.595	4.641	VV	302	5448	0.09%	0.012%

rteres

37	4.673	4.641	4.714	VV	523	11982	0.20%	0.027%
38	4.736	4.714	4.771	VV	237	5951	0.10%	0.013%
39	4.790	4.771	4.801	VV	453	5433	0.09%	0.012%
40	4.824	4.801	4.878	VV	1184	22085	0.37%	0.050%
41	4.894	4.878	4.906	VV	820	8337	0.14%	0.019%
42	4.925	4.906	4.947	VV	1758	21796	0.36%	0.049%
43	4.966	4.947	4.982	VV	645	9820	0.16%	0.022%
44	5.005	4.982	5.040	VV	879	15692	0.26%	0.035%
45	5.061	5.040	5.071	VV	214	3161	0.05%	0.007%
46	5.085	5.071	5.104	VV	376	4704	0.08%	0.011%
47	5.148	5.104	5.195	VV	1328	26975	0.45%	0.061%
48	5.214	5.195	5.240	VV	838	12981	0.22%	0.029%
49	5.263	5.240	5.281	VV	1521	18817	0.31%	0.042%
50	5.293	5.281	5.311	VV	707	8017	0.13%	0.018%
51	5.327	5.311	5.362	VV	711	9471	0.16%	0.021%
52	5.395	5.362	5.438	PV	659	13851	0.23%	0.031%
53	5.452	5.438	5.485	VV	700	12000	0.20%	0.027%
54	5.521	5.485	5.575	VV	503	13900	0.23%	0.031%
55	5.584	5.575	5.608	VV	162	1970	0.03%	0.004%
56	5.646	5.608	5.666	PV	2215	27203	0.45%	0.061%
57	5.693	5.666	5.745	VV	797	22126	0.37%	0.050%
58	5.770	5.745	5.785	VV	245	4349	0.07%	0.010%
59	5.797	5.785	5.807	VV	201	1765	0.03%	0.004%
60	5.839	5.807	5.862	VV	586	10933	0.18%	0.025%
61	5.872	5.862	5.883	VV	323	3136	0.05%	0.007%
62	5.942	5.883	6.003	VV	1068	34116	0.57%	0.077%
63	6.017	6.003	6.057	VV	403	9397	0.16%	0.021%
64	6.079	6.057	6.110	VV	363	6215	0.10%	0.014%
65	6.129	6.110	6.151	VV	386	4788	0.08%	0.011%
66	6.181	6.151	6.198	PV	480	7416	0.12%	0.017%
67	6.223	6.198	6.268	VV	1267	30868	0.51%	0.070%
68	6.281	6.268	6.303	VV	731	9040	0.15%	0.020%
69	6.326	6.303	6.351	VV	995	13094	0.22%	0.030%
70	6.386	6.351	6.406	VV	1636	26702	0.44%	0.060%
71	6.418	6.406	6.438	VV	782	9450	0.16%	0.021%
72	6.517	6.438	6.538	VV	480	19000	0.32%	0.043%
73	6.550	6.538	6.587	VV	424	8731	0.14%	0.020%
74	6.598	6.587	6.631	VV	276	6140	0.10%	0.014%
75	6.641	6.631	6.653	VV	205	2196	0.04%	0.005%
76	6.683	6.653	6.732	VV	3044	38758	0.64%	0.087%
77	6.769	6.732	6.788	PV	787	12100	0.20%	0.027%
78	6.801	6.788	6.817	VV	453	6302	0.10%	0.014%
79	6.836	6.817	6.860	VV	1197	15989	0.27%	0.036%
80	6.873	6.860	6.897	VV	348	4773	0.08%	0.011%
81	6.911	6.897	6.928	VV	425	4397	0.07%	0.010%
82	6.934	6.928	6.948	VV	185	1767	0.03%	0.004%
83	6.967	6.948	6.990	VV	554	7433	0.12%	0.017%
84	7.021	6.990	7.061	VV	579	12012	0.20%	0.027%
85	7.088	7.061	7.138	PV	394	7563	0.13%	0.017%
86	7.162	7.138	7.178	VV	183	2895	0.05%	0.007%
87	7.216	7.178	7.238	VV	708	15123	0.25%	0.034%
88	7.260	7.238	7.284	VV	957	12253	0.20%	0.028%
89	7.318	7.284	7.345	VV	1316	29898	0.50%	0.067%

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90	7.362	7.345	7.381	VV	1505	17824	0.30%	0.040%
91	7.405	7.381	7.441	VV	1636	24516	0.41%	0.055%
92	7.460	7.441	7.489	VV	671	10807	0.18%	0.024%
93	7.506	7.489	7.516	VV	466	5300	0.09%	0.012%
94	7.522	7.516	7.551	VV	378	4701	0.08%	0.011%
95	7.634	7.551	7.665	VV	5028	70003	1.16%	0.158%
96	7.687	7.665	7.705	VV	359	6513	0.11%	0.015%
97	7.721	7.705	7.747	VV	322	5402	0.09%	0.012%
98	7.761	7.747	7.785	VV	303	4415	0.07%	0.010%
99	7.807	7.785	7.838	VV	826	12638	0.21%	0.028%
100	7.854	7.838	7.886	VV	276	4916	0.08%	0.011%
101	7.918	7.886	7.937	VV	578	8285	0.14%	0.019%
102	7.954	7.937	7.988	VV	497	9123	0.15%	0.021%
103	8.005	7.988	8.018	PV	534	6519	0.11%	0.015%
104	8.031	8.018	8.049	VV	1288	14450	0.24%	0.033%
105	8.068	8.049	8.076	VV	854	9381	0.16%	0.021%
106	8.093	8.076	8.140	VV	1440	36209	0.60%	0.082%
107	8.165	8.140	8.184	VV	924	14042	0.23%	0.032%
108	8.210	8.184	8.227	VV	1667	23181	0.38%	0.052%
109	8.247	8.227	8.259	VV	1582	20991	0.35%	0.047%
110	8.267	8.259	8.308	VV	1347	20322	0.34%	0.046%
111	8.337	8.308	8.372	VV	2490	42022	0.70%	0.095%
112	8.392	8.372	8.408	VV	773	13821	0.23%	0.031%
113	8.433	8.408	8.454	VV	1138	25063	0.42%	0.056%
114	8.484	8.454	8.496	VV	1461	28808	0.48%	0.065%
115	8.518	8.496	8.549	VV	7572	103032	1.71%	0.232%
116	8.560	8.549	8.581	VV	933	16123	0.27%	0.036%
117	8.618	8.581	8.650	VV	1038	34997	0.58%	0.079%
118	8.675	8.650	8.692	VV	1826	31199	0.52%	0.070%
119	8.704	8.692	8.721	VV	1311	19071	0.32%	0.043%
120	8.739	8.721	8.782	VV	1518	34025	0.56%	0.077%
121	8.809	8.782	8.835	VV	857	19964	0.33%	0.045%
122	8.848	8.835	8.861	VV	749	9862	0.16%	0.022%
123	8.896	8.861	8.908	VV	1230	29164	0.48%	0.066%
124	8.913	8.908	8.923	VV	1210	10930	0.18%	0.025%
125	8.942	8.923	8.958	VV	1739	30283	0.50%	0.068%
126	8.975	8.958	8.995	VV	2450	41567	0.69%	0.094%
127	9.014	8.995	9.027	VV	2237	36268	0.60%	0.082%
128	9.061	9.027	9.088	VV	6943	122614	2.04%	0.276%
129	9.113	9.088	9.128	VV	2199	39112	0.65%	0.088%
130	9.139	9.128	9.153	VV	1751	23123	0.38%	0.052%
131	9.209	9.153	9.227	VV	2020	69255	1.15%	0.156%
132	9.270	9.227	9.301	VV	2330	84753	1.41%	0.191%
133	9.349	9.301	9.413	VV	13426	278916	4.63%	0.628%
134	9.435	9.413	9.459	VV	2832	63003	1.05%	0.142%
135	9.492	9.459	9.518	VV	2409	74055	1.23%	0.167%
136	9.551	9.518	9.564	VV	2635	61130	1.01%	0.138%
137	9.581	9.564	9.604	VV	3085	63899	1.06%	0.144%
138	9.634	9.604	9.669	VV	3289	106558	1.77%	0.240%
139	9.727	9.669	9.758	VV	5262	191515	3.18%	0.431%
140	9.808	9.758	9.834	VV	5521	179720	2.98%	0.405%
141	9.857	9.834	9.875	VV	4918	97923	1.63%	0.221%

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142	9.910	9.875	9.932	VV	5063	142688	2.37%	0.321%
143	9.959	9.932	9.973	VV	4190	91881	1.53%	0.207%
144	9.998	9.973	10.031	VV	27547	406739	6.75%	0.916%
145	10.044	10.031	10.055	VV	5262	72520	1.20%	0.163%
146	10.086	10.055	10.108	VV	6348	182625	3.03%	0.411%
147	10.133	10.108	10.178	VV	20743	374665	6.22%	0.844%
148	10.213	10.178	10.225	VV	5029	137527	2.28%	0.310%
149	10.235	10.225	10.281	VV	5076	151132	2.51%	0.340%
150	10.307	10.281	10.333	VV	5392	149491	2.48%	0.337%
151	10.367	10.333	10.389	VV	5293	166162	2.76%	0.374%
152	10.410	10.389	10.434	VV	5444	138290	2.30%	0.312%
153	10.481	10.434	10.496	VV	7278	219448	3.64%	0.494%
154	10.523	10.496	10.551	VV	17827	356142	5.91%	0.802%
155	10.574	10.551	10.593	VV	7983	174618	2.90%	0.393%
156	10.613	10.593	10.633	VV	7849	169158	2.81%	0.381%
157	10.668	10.633	10.694	VV	8921	258626	4.29%	0.583%
158	10.716	10.694	10.731	VV	6570	136056	2.26%	0.307%
159	10.801	10.731	10.839	VV	80099	1289338	21.40%	2.905%
160	10.875	10.839	10.912	VV	25359	548120	9.10%	1.235%
161	10.947	10.912	10.978	VV	32861	642826	10.67%	1.448%
162	10.993	10.978	11.054	VV	8193	341059	5.66%	0.768%
163	11.089	11.054	11.104	VV	7495	216672	3.60%	0.488%
164	11.119	11.104	11.139	VV	8340	163233	2.71%	0.368%
165	11.157	11.139	11.176	VV	8164	166879	2.77%	0.376%
166	11.203	11.176	11.236	VV	9629	303442	5.04%	0.684%
167	11.269	11.236	11.312	VV	10550	395855	6.57%	0.892%
168	11.332	11.312	11.368	VV	8964	269247	4.47%	0.607%
169	11.385	11.368	11.414	VV	9060	219934	3.65%	0.495%
170	11.438	11.414	11.464	VV	8227	227870	3.78%	0.513%
171	11.552	11.464	11.567	VV	32657	801391	13.30%	1.805%
172	11.581	11.567	11.638	VV	27787	589761	9.79%	1.329%
173	11.672	11.638	11.714	VV	26555	631360	10.48%	1.422%
174	11.739	11.714	11.761	VV	8259	218847	3.63%	0.493%
175	11.780	11.761	11.798	VV	7868	168815	2.80%	0.380%
176	11.900	11.798	11.953	VV	485301	6023729	100.00%	13.571%
177	11.979	11.953	11.999	VV	10614	267080	4.43%	0.602%
178	12.023	11.999	12.053	VV	12767	342202	5.68%	0.771%
179	12.069	12.053	12.106	VV	9630	284844	4.73%	0.642%
180	12.132	12.106	12.167	VV	14490	380978	6.32%	0.858%
181	12.190	12.167	12.208	VV	12020	246968	4.10%	0.556%
182	12.253	12.208	12.306	VV	26976	790320	13.12%	1.781%
183	12.321	12.306	12.332	VV	8672	130103	2.16%	0.293%
184	12.339	12.332	12.352	VV	8625	103345	1.72%	0.233%
185	12.361	12.352	12.431	VV	8388	378353	6.28%	0.852%
186	12.456	12.431	12.493	VV	8142	289092	4.80%	0.651%
187	12.527	12.493	12.578	VV	9254	430193	7.14%	0.969%
188	12.617	12.578	12.651	VV	9398	377217	6.26%	0.850%
189	12.667	12.651	12.700	VV	9801	250262	4.15%	0.564%
190	12.722	12.700	12.730	VV	8717	151100	2.51%	0.340%
191	12.741	12.730	12.788	VV	9022	283834	4.71%	0.639%
192	12.820	12.788	12.863	VV	9273	364159	6.05%	0.820%
193	12.895	12.863	12.936	VV	25990	556095	9.23%	1.253%
194	12.962	12.936	12.996	VV	9400	297635	4.94%	0.671%

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195	13.010	12.996	13.028	VV	7702	140944	2.34%	0.318%
196	13.042	13.028	13.084	VV	7389	232090	3.85%	0.523%
197	13.097	13.084	13.107	VV	6498	87340	1.45%	0.197%
198	13.153	13.107	13.205	VV	8003	415461	6.90%	0.936%
199	13.220	13.205	13.238	VV	6896	128627	2.14%	0.290%
200	13.257	13.238	13.276	VV	7615	160269	2.66%	0.361%
201	13.344	13.276	13.378	VV	321552	4329366	71.87%	9.754%
202	13.391	13.378	13.483	VV	9108	464627	7.71%	1.047%
203	13.510	13.483	13.537	VV	18386	350569	5.82%	0.790%
204	13.553	13.537	13.601	VV	7163	248079	4.12%	0.559%
205	13.613	13.601	13.660	VV	6745	204574	3.40%	0.461%
206	13.677	13.660	13.696	VV	5509	113101	1.88%	0.255%
207	13.738	13.696	13.764	VV	6296	229496	3.81%	0.517%
208	13.783	13.764	13.836	VV	5534	227190	3.77%	0.512%
209	13.855	13.836	13.873	VV	5189	109272	1.81%	0.246%
210	13.898	13.873	13.917	VV	5619	137689	2.29%	0.310%
211	13.937	13.917	13.980	VV	5501	185571	3.08%	0.418%
212	14.008	13.980	14.032	VV	4923	143447	2.38%	0.323%
213	14.049	14.032	14.066	VV	5147	97878	1.62%	0.221%
214	14.097	14.066	14.144	VV	13934	324844	5.39%	0.732%
215	14.154	14.144	14.168	VV	4044	55035	0.91%	0.124%
216	14.182	14.168	14.211	VV	4261	98959	1.64%	0.223%
217	14.225	14.211	14.291	VV	3525	157107	2.61%	0.354%
218	14.328	14.291	14.350	VV	4039	128252	2.13%	0.289%
219	14.371	14.350	14.428	VV	4680	164995	2.74%	0.372%
220	14.462	14.428	14.472	VV	3308	81643	1.36%	0.184%
221	14.495	14.472	14.554	VV	4067	173543	2.88%	0.391%
222	14.605	14.554	14.635	VV	3022	129216	2.15%	0.291%
223	14.662	14.635	14.709	VV	8169	174864	2.90%	0.394%
224	14.725	14.709	14.754	VV	2698	66326	1.10%	0.149%
225	14.767	14.754	14.777	VV	2229	28978	0.48%	0.065%
226	14.791	14.777	14.841	VV	2257	72816	1.21%	0.164%
227	14.868	14.841	14.892	VV	1881	50829	0.84%	0.115%
228	14.916	14.892	14.932	VV	1863	41304	0.69%	0.093%
229	14.948	14.932	14.978	VV	1787	42899	0.71%	0.097%
230	14.983	14.978	15.000	VV	1540	18971	0.31%	0.043%
231	15.042	15.000	15.081	VV	1932	74466	1.24%	0.168%
232	15.093	15.081	15.125	VV	1420	33168	0.55%	0.075%
233	15.162	15.125	15.184	VV	2187	61814	1.03%	0.139%
234	15.205	15.184	15.235	VV	4798	92421	1.53%	0.208%
235	15.250	15.235	15.374	VV	2180	88395	1.47%	0.199%
236	15.395	15.374	15.434	VV	1084	27340	0.45%	0.062%
237	15.448	15.434	15.500	VV	787	21096	0.35%	0.048%
238	15.533	15.500	15.558	VV	593	16918	0.28%	0.038%
239	15.599	15.558	15.702	VV	10007	340753	5.66%	0.768%
240	15.733	15.702	15.766	VV	3083	82043	1.36%	0.185%
241	15.794	15.766	15.842	VV	5721	98493	1.64%	0.222%
242	15.857	15.842	15.923	VV	551	16013	0.27%	0.036%
243	15.937	15.923	15.974	VV	279	6275	0.10%	0.014%
244	15.986	15.974	16.008	VV	353	4196	0.07%	0.009%
245	16.029	16.008	16.068	VV	248	5601	0.09%	0.013%
246	16.140	16.068	16.167	VV	459	14025	0.23%	0.032%

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247	16.190	16.167	16.203	VV	397	7140	0.12%	0.016%
248	16.228	16.203	16.252	VV	1557	22689	0.38%	0.051%
249	16.291	16.252	16.321	VV	443	10013	0.17%	0.023%
250	16.338	16.321	16.378	VV	294	5829	0.10%	0.013%
251	16.424	16.378	16.448	VV	263	5725	0.10%	0.013%
252	16.474	16.448	16.498	PV	73	1147	0.02%	0.003%
253	16.550	16.498	16.587	PV	1929	30851	0.51%	0.070%
254	16.621	16.587	16.641	VV	638	13086	0.22%	0.029%
255	16.675	16.641	16.691	VV	1499	29142	0.48%	0.066%
256	16.710	16.691	16.765	VV	2403	51623	0.86%	0.116%
257	16.789	16.765	16.807	VV	1426	24767	0.41%	0.056%
258	16.821	16.807	16.848	VV	1209	17760	0.29%	0.040%
259	16.876	16.848	16.933	VV	434	12056	0.20%	0.027%
260	16.945	16.933	16.971	VV	239	2653	0.04%	0.006%
261	17.006	16.971	17.054	PV	1422	32828	0.54%	0.074%
262	17.094	17.054	17.123	VV	596	18595	0.31%	0.042%
263	17.179	17.123	17.207	VV	4378	83091	1.38%	0.187%
264	17.225	17.207	17.247	VV	1425	22024	0.37%	0.050%
265	17.262	17.247	17.291	VV	641	12389	0.21%	0.028%
266	17.298	17.291	17.309	VV	315	3189	0.05%	0.007%
267	17.356	17.309	17.393	VV	525	19566	0.32%	0.044%
268	17.419	17.393	17.444	VV	433	7758	0.13%	0.017%
269	17.516	17.444	17.527	PV	994	16036	0.27%	0.036%
270	17.549	17.527	17.578	VV	1651	31201	0.52%	0.070%
271	17.595	17.578	17.603	VV	954	12730	0.21%	0.029%
272	17.632	17.603	17.691	VV	6932	113585	1.89%	0.256%
273	17.723	17.691	17.778	VV	755	24120	0.40%	0.054%
274	17.801	17.778	17.822	VV	292	4894	0.08%	0.011%
275	17.839	17.822	17.854	VV	184	2000	0.03%	0.005%
276	17.875	17.854	17.910	PV	287	6615	0.11%	0.015%
277	17.918	17.910	17.934	VV	141	1220	0.02%	0.003%
278	18.031	17.934	18.042	PV	1734	36570	0.61%	0.082%
279	18.069	18.042	18.108	VV	9997	155338	2.58%	0.350%
280	18.160	18.108	18.189	VV	1261	30738	0.51%	0.069%
281	18.212	18.189	18.228	VV	1052	17265	0.29%	0.039%
282	18.245	18.228	18.271	VV	689	14322	0.24%	0.032%
283	18.297	18.271	18.323	VV	1486	25601	0.43%	0.058%
284	18.344	18.323	18.361	VV	521	7666	0.13%	0.017%
285	18.390	18.361	18.414	VV	2775	47260	0.78%	0.106%
286	18.448	18.414	18.460	VV	2833	55337	0.92%	0.125%
287	18.493	18.460	18.540	VV	14743	278390	4.62%	0.627%
288	18.551	18.540	18.566	VV	1438	21009	0.35%	0.047%
289	18.576	18.566	18.663	VV	1392	46159	0.77%	0.104%
290	18.728	18.663	18.740	VV	1372	31205	0.52%	0.070%
291	18.757	18.740	18.835	VV	1423	44404	0.74%	0.100%
292	18.904	18.835	18.947	PV	17474	273520	4.54%	0.616%
293	19.006	18.947	19.034	VV	1206	34054	0.57%	0.077%
294	19.059	19.034	19.126	VV	1006	31543	0.52%	0.071%
295	19.162	19.126	19.184	VV	881	17398	0.29%	0.039%
296	19.217	19.184	19.241	VV	1844	32344	0.54%	0.073%
297	19.303	19.241	19.374	VV	16937	343397	5.70%	0.774%
298	19.407	19.374	19.418	VV	1055	24092	0.40%	0.054%
299	19.457	19.418	19.478	VV	1182	36553	0.61%	0.082%

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300	19.497	19.478	19.520	VV	827	17737	0.29%	0.040%
301	19.552	19.520	19.576	VV	1542	32747	0.54%	0.074%
302	19.596	19.576	19.624	VV	946	18689	0.31%	0.042%
303	19.691	19.624	19.750	VV	16965	293655	4.87%	0.662%
304	19.804	19.750	19.840	VV	1094	42960	0.71%	0.097%
305	19.875	19.840	19.894	VV	1024	29359	0.49%	0.066%
306	19.932	19.894	19.954	VV	1626	41695	0.69%	0.094%
307	19.981	19.954	20.020	VV	2161	57537	0.96%	0.130%
308	20.066	20.020	20.150	VV	14983	346278	5.75%	0.780%
309	20.218	20.150	20.239	VV	2496	106071	1.76%	0.239%
310	20.304	20.239	20.326	VV	3187	133985	2.22%	0.302%
311	20.345	20.326	20.382	VV	2946	84619	1.40%	0.191%
312	20.433	20.382	20.484	VV	15769	376439	6.25%	0.848%
313	20.496	20.484	20.528	VV	3108	75511	1.25%	0.170%
314	20.591	20.528	20.634	VV	4154	215093	3.57%	0.485%
315	20.661	20.634	20.682	VV	4177	112091	1.86%	0.253%
316	20.707	20.682	20.741	VV	4359	142603	2.37%	0.321%
317	20.791	20.741	20.858	VV	12605	453579	7.53%	1.022%
318	20.863	20.858	20.888	VV	4498	77966	1.29%	0.176%
319	20.947	20.888	21.001	VV	5158	312945	5.20%	0.705%
320	21.026	21.001	21.050	VV	4405	126544	2.10%	0.285%
321	21.079	21.050	21.128	VV	4707	197898	3.29%	0.446%
322	21.174	21.128	21.255	VV	11258	456436	7.58%	1.028%
323	21.272	21.255	21.297	VV	3622	86393	1.43%	0.195%
324	21.366	21.297	21.394	VV	3669	204766	3.40%	0.461%
325	21.432	21.394	21.461	VV	3575	137907	2.29%	0.311%
326	21.496	21.461	21.561	VV	3657	196700	3.27%	0.443%
327	21.603	21.561	21.694	VV	6360	314680	5.22%	0.709%
328	21.725	21.694	21.741	VV	2702	73470	1.22%	0.166%
329	21.821	21.741	21.871	VV	2723	202335	3.36%	0.456%
330	21.895	21.871	21.931	VV	2389	80276	1.33%	0.181%
331	21.983	21.931	21.999	VV	2026	80789	1.34%	0.182%
332	22.006	21.999	22.016	VV	1853	18507	0.31%	0.042%
333	22.091	22.016	22.201	VV	5376	306405	5.09%	0.690%
334	22.225	22.201	22.294	VV	1586	79170	1.31%	0.178%
335	22.345	22.294	22.388	VV	1132	59042	0.98%	0.133%
336	22.430	22.388	22.481	VV	772	33778	0.56%	0.076%
337	22.514	22.481	22.563	VV	316	10941	0.18%	0.025%
			Sum of corrected areas:			44386579		

Aliphatic EPH 032925.M Tue Apr 01 02:29:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053081.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 20:04
Operator : YP\AJ
Sample : Q1675-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K1P

Integration File: autoint1.e
Quant Time: Apr 01 01:43:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.901	6246381	38.349 ug/ml
Spiked Amount 50.000		Recovery =	76.70%
12) S 1-chlorooctadecane (S...	13.345	4572689	38.092 ug/ml
Spiked Amount 50.000		Recovery =	76.18%
Target Compounds			

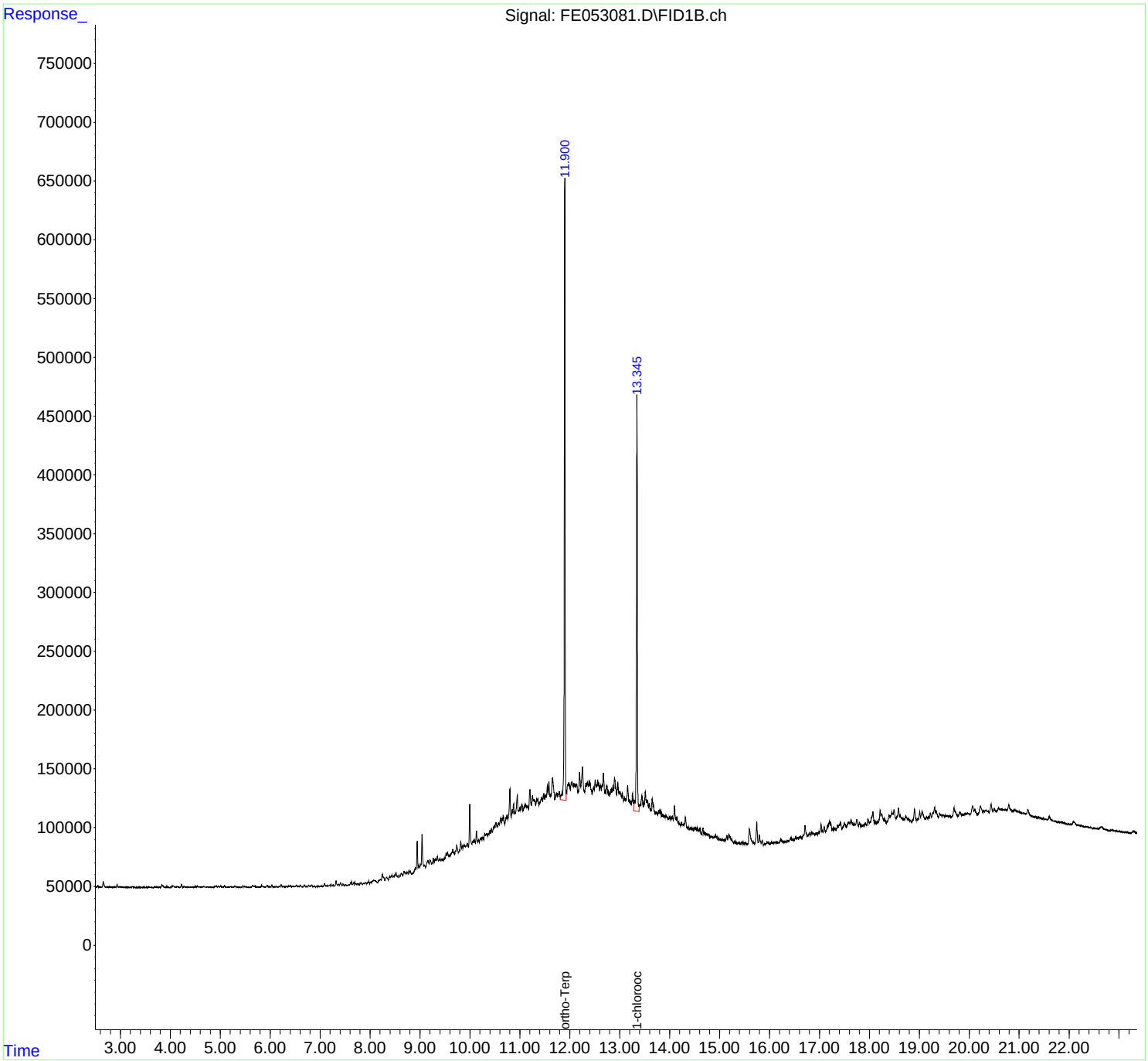
(f)=RT Delta > 1/2 Window (m)=manual int.

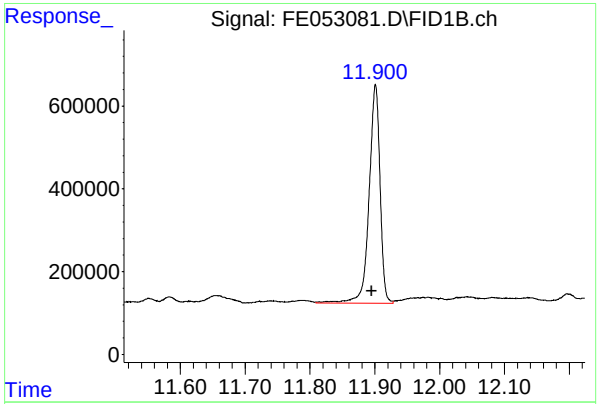
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053081.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 20:04
Operator : YP\AJ
Sample : Q1675-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K1P

Integration File: autoint1.e
Quant Time: Apr 01 01:43:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

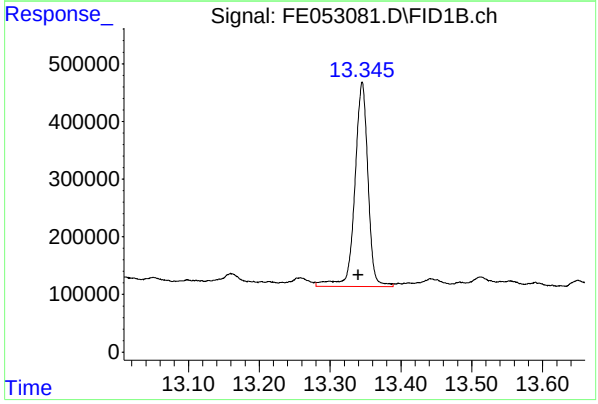




#9 ortho-Terphenyl (SURR)

R.T.: 11.901 min
Delta R.T.: 0.006 min
Response: 6246381
Conc: 38.35 ug/ml

Instrument :
FID_E
ClientSampleId :
K1P



#12 1-chlorooctadecane (SURR)

R.T.: 13.345 min
Delta R.T.: 0.005 min
Response: 4572689
Conc: 38.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053081.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 20:04
Sample : Q1675-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.865	2.805	2.907	BV	328	8747	0.08%	0.004%
2	2.933	2.907	2.963	VV	2618	29755	0.28%	0.012%
3	2.977	2.963	3.038	VV	532	11523	0.11%	0.005%
4	3.045	3.038	3.091	VV	180	1844	0.02%	0.001%
5	3.116	3.091	3.151	VV	219	4406	0.04%	0.002%
6	3.166	3.151	3.188	VV	142	2185	0.02%	0.001%
7	3.201	3.188	3.213	VV	133	1446	0.01%	0.001%
8	3.242	3.213	3.340	VV	806	15020	0.14%	0.006%
9	3.352	3.340	3.361	PV	141	1017	0.01%	0.000%
10	3.384	3.361	3.401	VV	274	3519	0.03%	0.001%
11	3.419	3.401	3.444	VV	235	3314	0.03%	0.001%
12	3.477	3.444	3.534	VV	401	9044	0.09%	0.004%
13	3.557	3.534	3.590	VV	288	5691	0.05%	0.002%
14	3.606	3.590	3.618	VV	184	2135	0.02%	0.001%
15	3.628	3.618	3.674	VV	166	3167	0.03%	0.001%
16	3.693	3.674	3.711	VV	607	8092	0.08%	0.003%
17	3.729	3.711	3.755	VV	725	9656	0.09%	0.004%
18	3.772	3.755	3.797	VV	255	3554	0.03%	0.001%
19	3.830	3.797	3.908	VV	2546	55855	0.53%	0.022%
20	3.930	3.908	3.990	VV	1055	16860	0.16%	0.007%
21	4.057	3.990	4.120	VV	1368	47116	0.45%	0.019%
22	4.142	4.120	4.197	VV	681	17991	0.17%	0.007%
23	4.224	4.197	4.252	VV	2776	36213	0.35%	0.015%
24	4.272	4.252	4.368	VV	821	27746	0.27%	0.011%
25	4.372	4.368	4.385	VV	273	2148	0.02%	0.001%
26	4.393	4.385	4.426	VV	264	4819	0.05%	0.002%
27	4.453	4.426	4.478	VV	334	6466	0.06%	0.003%
28	4.503	4.478	4.522	VV	1177	15218	0.15%	0.006%
29	4.540	4.522	4.558	VV	1167	13920	0.13%	0.006%
30	4.577	4.558	4.598	VV	596	10094	0.10%	0.004%
31	4.624	4.598	4.640	VV	625	9739	0.09%	0.004%
32	4.658	4.640	4.699	VV	933	19204	0.18%	0.008%
33	4.716	4.699	4.748	VV	328	8539	0.08%	0.003%
34	4.754	4.748	4.771	VV	343	3521	0.03%	0.001%
35	4.788	4.771	4.805	VV	448	5622	0.05%	0.002%
36	4.812	4.805	4.863	VV	274	7003	0.07%	0.003%

rteres

37	4.891	4.863	4.904	VV	916	12922	0.12%	0.005%
38	4.921	4.904	4.945	VV	1646	21700	0.21%	0.009%
39	4.964	4.945	4.991	VV	1223	20164	0.19%	0.008%
40	5.008	4.991	5.035	VV	1223	19397	0.19%	0.008%
41	5.041	5.035	5.049	VV	449	3782	0.04%	0.002%
42	5.086	5.049	5.133	VV	1126	27391	0.26%	0.011%
43	5.158	5.133	5.192	VV	408	11880	0.11%	0.005%
44	5.209	5.192	5.242	VV	794	13994	0.13%	0.006%
45	5.261	5.242	5.273	VV	655	7553	0.07%	0.003%
46	5.292	5.273	5.314	VV	1479	18947	0.18%	0.008%
47	5.326	5.314	5.359	VV	555	8123	0.08%	0.003%
48	5.368	5.359	5.378	VV	89	801	0.01%	0.000%
49	5.420	5.378	5.430	VV	211	3374	0.03%	0.001%
50	5.453	5.430	5.477	VV	1524	20730	0.20%	0.008%
51	5.498	5.477	5.571	VV	654	19032	0.18%	0.008%
52	5.589	5.571	5.608	VV	202	2496	0.02%	0.001%
53	5.611	5.608	5.625	VV	94	404	0.00%	0.000%
54	5.647	5.625	5.669	PV	1851	27149	0.26%	0.011%
55	5.691	5.669	5.738	VV	1227	26721	0.26%	0.011%
56	5.764	5.738	5.798	VV	378	7719	0.07%	0.003%
57	5.832	5.798	5.859	VV	1535	25817	0.25%	0.010%
58	5.873	5.859	5.898	VV	513	8219	0.08%	0.003%
59	5.938	5.898	5.978	VV	1718	33824	0.32%	0.014%
60	5.995	5.978	6.015	VV	652	9054	0.09%	0.004%
61	6.034	6.015	6.065	VV	2218	27055	0.26%	0.011%
62	6.091	6.065	6.109	VV	481	8879	0.09%	0.004%
63	6.126	6.109	6.146	VV	492	6732	0.06%	0.003%
64	6.182	6.146	6.201	VV	641	12814	0.12%	0.005%
65	6.219	6.201	6.298	VV	2307	44942	0.43%	0.018%
66	6.321	6.298	6.340	VV	665	8581	0.08%	0.003%
67	6.367	6.340	6.379	VV	935	14117	0.14%	0.006%
68	6.397	6.379	6.433	VV	1204	23005	0.22%	0.009%
69	6.450	6.433	6.482	VV	611	11181	0.11%	0.004%
70	6.523	6.482	6.554	VV	1587	31361	0.30%	0.013%
71	6.571	6.554	6.583	VV	644	9556	0.09%	0.004%
72	6.606	6.583	6.661	VV	1603	28946	0.28%	0.012%
73	6.684	6.661	6.736	VV	1852	29055	0.28%	0.012%
74	6.765	6.736	6.783	VV	1346	18160	0.17%	0.007%
75	6.794	6.783	6.814	VV	713	12051	0.12%	0.005%
76	6.832	6.814	6.860	VV	1540	22534	0.22%	0.009%
77	6.880	6.860	6.905	VV	449	8187	0.08%	0.003%
78	6.935	6.905	6.950	PV	399	4905	0.05%	0.002%
79	6.965	6.950	6.984	VV	553	6065	0.06%	0.002%
80	7.011	6.984	7.021	VV	649	7914	0.08%	0.003%
81	7.030	7.021	7.068	VV	488	10434	0.10%	0.004%
82	7.089	7.068	7.130	VV	2634	38279	0.37%	0.015%
83	7.147	7.130	7.164	VV	545	8924	0.09%	0.004%
84	7.188	7.164	7.200	VV	936	12887	0.12%	0.005%
85	7.216	7.200	7.238	VV	1539	20694	0.20%	0.008%
86	7.257	7.238	7.281	VV	1130	15497	0.15%	0.006%
87	7.321	7.281	7.349	VV	4588	67162	0.64%	0.027%
88	7.374	7.349	7.389	VV	1364	25073	0.24%	0.010%
89	7.409	7.389	7.439	VV	2122	39790	0.38%	0.016%

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90	7.458	7.439	7.485	VV	1676	21975	0.21%	0.009%
91	7.504	7.485	7.525	PV	899	11441	0.11%	0.005%
92	7.538	7.525	7.552	VV	250	2886	0.03%	0.001%
93	7.573	7.552	7.581	PV	603	6327	0.06%	0.003%
94	7.609	7.581	7.619	VV	1823	24435	0.23%	0.010%
95	7.634	7.619	7.652	VV	2809	35102	0.34%	0.014%
96	7.671	7.652	7.685	VV	1667	23028	0.22%	0.009%
97	7.698	7.685	7.731	VV	2026	34324	0.33%	0.014%
98	7.751	7.731	7.787	VV	1068	18893	0.18%	0.008%
99	7.807	7.787	7.845	PV	1369	27755	0.27%	0.011%
100	7.918	7.845	7.935	VV	1483	42998	0.41%	0.017%
101	7.952	7.935	7.960	VV	1653	18061	0.17%	0.007%
102	7.975	7.960	7.995	VV	2278	31671	0.30%	0.013%
103	8.015	7.995	8.031	VV	1705	26602	0.25%	0.011%
104	8.070	8.031	8.112	VV	2785	111940	1.07%	0.045%
105	8.120	8.112	8.142	VV	2114	29045	0.28%	0.012%
106	8.208	8.142	8.223	VV	3324	107041	1.03%	0.043%
107	8.248	8.223	8.299	VV	7781	206445	1.98%	0.083%
108	8.335	8.299	8.369	VV	4762	145637	1.39%	0.058%
109	8.392	8.369	8.406	VV	5375	89613	0.86%	0.036%
110	8.438	8.406	8.455	VV	6187	151021	1.45%	0.061%
111	8.520	8.455	8.561	VV	8076	344210	3.30%	0.138%
112	8.581	8.561	8.601	VV	5515	117656	1.13%	0.047%
113	8.624	8.601	8.657	VV	7028	197908	1.90%	0.079%
114	8.681	8.657	8.722	VV	8638	278205	2.66%	0.111%
115	8.743	8.722	8.762	VV	7589	167537	1.60%	0.067%
116	8.780	8.762	8.795	VV	9111	153897	1.47%	0.062%
117	8.806	8.795	8.838	VV	8279	182289	1.75%	0.073%
118	8.850	8.838	8.861	VV	6228	84085	0.81%	0.034%
119	8.913	8.861	8.925	VV	10941	330040	3.16%	0.132%
120	8.945	8.925	8.966	VV	33528	490882	4.70%	0.197%
121	8.977	8.966	8.995	VV	13088	212431	2.03%	0.085%
122	9.043	8.995	9.078	VV	38405	896512	8.59%	0.359%
123	9.090	9.078	9.112	VV	12251	240145	2.30%	0.096%
124	9.162	9.112	9.183	VV	16151	597291	5.72%	0.239%
125	9.201	9.183	9.232	VV	16615	437898	4.19%	0.175%
126	9.268	9.232	9.286	VV	17782	488324	4.68%	0.196%
127	9.305	9.286	9.315	VV	16836	272239	2.61%	0.109%
128	9.349	9.315	9.372	VV	19149	585799	5.61%	0.235%
129	9.399	9.372	9.421	VV	16927	465954	4.46%	0.187%
130	9.435	9.421	9.465	VV	16332	416846	3.99%	0.167%
131	9.482	9.465	9.497	VV	16997	317554	3.04%	0.127%
132	9.525	9.497	9.538	VV	21368	471468	4.52%	0.189%
133	9.553	9.538	9.571	VV	22242	394723	3.78%	0.158%
134	9.581	9.571	9.595	VV	19541	273415	2.62%	0.110%
135	9.656	9.595	9.693	VV	23959	1242427	11.90%	0.498%
136	9.738	9.693	9.771	VV	27397	1074246	10.29%	0.430%
137	9.819	9.771	9.837	VV	30143	988345	9.47%	0.396%
138	9.850	9.837	9.864	VV	26070	407286	3.90%	0.163%
139	9.879	9.864	9.918	VV	26859	839232	8.04%	0.336%
140	9.945	9.918	9.972	VV	28012	866887	8.30%	0.347%
141	9.998	9.972	10.036	VV	60945	1441295	13.80%	0.577%

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142	10.073	10.036	10.085	VV	30615	856855	8.21%	0.343%
143	10.094	10.085	10.110	VV	29654	429255	4.11%	0.172%
144	10.133	10.110	10.155	VV	38122	880321	8.43%	0.353%
145	10.175	10.155	10.188	VV	30464	582879	5.58%	0.234%
146	10.209	10.188	10.221	VV	31543	605023	5.79%	0.242%
147	10.251	10.221	10.277	VV	32263	1049540	10.05%	0.420%
148	10.298	10.277	10.311	VV	35267	694504	6.65%	0.278%
149	10.339	10.311	10.355	VV	35125	893929	8.56%	0.358%
150	10.398	10.355	10.414	VV	37821	1264897	12.11%	0.507%
151	10.432	10.414	10.448	VV	38912	754109	7.22%	0.302%
152	10.493	10.448	10.505	VV	40910	1327255	12.71%	0.532%
153	10.523	10.505	10.544	VV	43845	996051	9.54%	0.399%
154	10.571	10.544	10.587	VV	43016	1078500	10.33%	0.432%
155	10.614	10.587	10.631	VV	47473	1188905	11.39%	0.476%
156	10.645	10.631	10.658	VV	46874	735072	7.04%	0.295%
157	10.669	10.658	10.701	VV	49579	1181223	11.31%	0.473%
158	10.741	10.701	10.761	VV	49618	1685432	16.14%	0.675%
159	10.802	10.761	10.827	VV	71667	2192525	21.00%	0.878%
160	10.849	10.827	10.861	VV	54140	1062129	10.17%	0.426%
161	10.876	10.861	10.898	VV	58595	1199495	11.49%	0.481%
162	10.949	10.898	10.983	VV	65513	2842309	27.22%	1.139%
163	11.004	10.983	11.017	VV	55393	1070562	10.25%	0.429%
164	11.038	11.017	11.067	VV	57433	1659366	15.89%	0.665%
165	11.085	11.067	11.098	VV	55845	1013088	9.70%	0.406%
166	11.115	11.098	11.177	VV	57331	2652123	25.40%	1.063%
167	11.203	11.177	11.235	VV	69777	2105106	20.16%	0.843%
168	11.255	11.235	11.321	VV	64749	3114361	29.83%	1.248%
169	11.361	11.321	11.385	VV	61815	2277404	21.81%	0.912%
170	11.433	11.385	11.457	VV	62068	2592424	24.83%	1.039%
171	11.480	11.457	11.499	VV	65685	1572281	15.06%	0.630%
172	11.552	11.499	11.567	VV	72055	2645752	25.34%	1.060%
173	11.583	11.567	11.621	VV	75138	2202483	21.09%	0.882%
174	11.656	11.621	11.701	VV	78131	3337513	31.97%	1.337%
175	11.740	11.701	11.763	VV	65015	2350993	22.52%	0.942%
176	11.788	11.763	11.809	VV	66036	1772477	16.98%	0.710%
177	11.901	11.809	11.928	VV	588766	10440979	100.00%	4.183%
178	11.981	11.928	12.011	VV	73279	3487503	33.40%	1.397%
179	12.043	12.011	12.068	VV	74040	2413107	23.11%	0.967%
180	12.082	12.068	12.123	VV	72457	2344545	22.46%	0.939%
181	12.138	12.123	12.169	VV	71631	1914313	18.33%	0.767%
182	12.198	12.169	12.216	VV	80623	2023529	19.38%	0.811%
183	12.255	12.216	12.297	VV	86013	3555359	34.05%	1.424%
184	12.325	12.297	12.336	VV	71371	1625840	15.57%	0.651%
185	12.356	12.336	12.378	VV	72131	1754362	16.80%	0.703%
186	12.401	12.378	12.445	VV	72276	2751898	26.36%	1.103%
187	12.477	12.445	12.491	VV	67992	1824898	17.48%	0.731%
188	12.509	12.491	12.531	VV	73676	1647258	15.78%	0.660%
189	12.560	12.531	12.604	VV	73607	3076952	29.47%	1.233%
190	12.621	12.604	12.635	VV	69064	1234229	11.82%	0.494%
191	12.674	12.635	12.717	VV	79319	3372098	32.30%	1.351%
192	12.740	12.717	12.792	VV	67431	2877499	27.56%	1.153%
193	12.832	12.792	12.844	VV	64591	1944348	18.62%	0.779%
194	12.865	12.844	12.881	VV	67790	1466328	14.04%	0.587%

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195	12.898	12.881	12.937	VV	74034	2254051	21.59%	0.903%
196	12.960	12.937	12.990	VV	70632	2066404	19.79%	0.828%
197	13.001	12.990	13.034	VV	62089	1590039	15.23%	0.637%
198	13.050	13.034	13.081	VV	61013	1634159	15.65%	0.655%
199	13.099	13.081	13.125	VV	57006	1438426	13.78%	0.576%
200	13.161	13.125	13.228	VV	67322	3493172	33.46%	1.400%
201	13.258	13.228	13.280	VV	59792	1727673	16.55%	0.692%
202	13.299	13.280	13.308	VV	53766	876805	8.40%	0.351%
203	13.345	13.308	13.389	VV	397148	6611461	63.32%	2.649%
204	13.443	13.389	13.471	VV	57909	2552927	24.45%	1.023%
205	13.513	13.471	13.548	VV	60526	2454350	23.51%	0.983%
206	13.554	13.548	13.575	VV	53330	815244	7.81%	0.327%
207	13.590	13.575	13.630	VV	50447	1572350	15.06%	0.630%
208	13.650	13.630	13.709	VV	54048	2235072	21.41%	0.895%
209	13.722	13.709	13.758	VV	42963	1243767	11.91%	0.498%
210	13.779	13.758	13.804	VV	43619	1154626	11.06%	0.463%
211	13.820	13.804	13.838	VV	44473	869786	8.33%	0.348%
212	13.847	13.838	13.865	VV	40760	634930	6.08%	0.254%
213	13.874	13.865	13.905	VV	39600	931205	8.92%	0.373%
214	13.930	13.905	13.971	VV	39297	1508438	14.45%	0.604%
215	13.994	13.971	14.034	VV	37834	1384531	13.26%	0.555%
216	14.050	14.034	14.070	VV	38411	782349	7.49%	0.313%
217	14.098	14.070	14.131	VV	46327	1439011	13.78%	0.577%
218	14.148	14.131	14.227	VV	37262	1875255	17.96%	0.751%
219	14.241	14.227	14.291	VV	31686	1178787	11.29%	0.472%
220	14.314	14.291	14.349	VV	36690	1098767	10.52%	0.440%
221	14.371	14.349	14.396	VV	28052	761929	7.30%	0.305%
222	14.414	14.396	14.437	VV	26809	642641	6.15%	0.257%
223	14.452	14.437	14.471	VV	26806	530314	5.08%	0.212%
224	14.482	14.471	14.491	VV	25875	308747	2.96%	0.124%
225	14.512	14.491	14.540	VV	27535	756709	7.25%	0.303%
226	14.557	14.540	14.585	VV	26003	676727	6.48%	0.271%
227	14.605	14.585	14.641	VV	26295	798791	7.65%	0.320%
228	14.664	14.641	14.685	VV	26017	610322	5.85%	0.245%
229	14.693	14.685	14.715	VV	22047	381902	3.66%	0.153%
230	14.722	14.715	14.738	VV	21608	290228	2.78%	0.116%
231	14.772	14.738	14.813	VV	20788	886215	8.49%	0.355%
232	14.833	14.813	14.895	VV	18989	867939	8.31%	0.348%
233	14.914	14.895	14.936	VV	18955	452849	4.34%	0.181%
234	14.947	14.936	14.985	VV	18048	474593	4.55%	0.190%
235	14.989	14.985	15.026	VV	15775	381056	3.65%	0.153%
236	15.043	15.026	15.079	VV	15340	472690	4.53%	0.189%
237	15.088	15.079	15.110	VV	14740	263677	2.53%	0.106%
238	15.144	15.110	15.165	VV	17824	519672	4.98%	0.208%
239	15.184	15.165	15.237	VV	18995	723283	6.93%	0.290%
240	15.247	15.237	15.273	VV	14253	279298	2.68%	0.112%
241	15.282	15.273	15.289	VV	11973	119102	1.14%	0.048%
242	15.298	15.289	15.316	VV	11912	183606	1.76%	0.074%
243	15.327	15.316	15.352	VV	12183	256030	2.45%	0.103%
244	15.380	15.352	15.424	VV	11158	462429	4.43%	0.185%
245	15.449	15.424	15.495	VV	12089	447477	4.29%	0.179%
246	15.512	15.495	15.556	VV	10998	375785	3.60%	0.151%

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247	15.597	15.556	15.705	VV	22163	1174651	11.25%	0.471%
248	15.744	15.705	15.771	VV	27990	652295	6.25%	0.261%
249	15.796	15.771	15.834	VV	16216	456388	4.37%	0.183%
250	15.854	15.834	15.879	VV	11682	270673	2.59%	0.108%
251	15.912	15.879	15.931	VV	8784	264423	2.53%	0.106%
252	15.949	15.931	15.963	VV	9888	180584	1.73%	0.072%
253	15.981	15.963	16.007	VV	9699	231873	2.22%	0.093%
254	16.044	16.007	16.072	VV	9834	348683	3.34%	0.140%
255	16.105	16.072	16.126	VV	9580	294316	2.82%	0.118%
256	16.141	16.126	16.191	VV	9466	344807	3.30%	0.138%
257	16.234	16.191	16.277	VV	11352	503000	4.82%	0.202%
258	16.300	16.277	16.341	VV	9470	348024	3.33%	0.139%
259	16.360	16.341	16.390	VV	9783	271847	2.60%	0.109%
260	16.431	16.390	16.455	VV	12610	421397	4.04%	0.169%
261	16.476	16.455	16.494	VV	10662	241004	2.31%	0.097%
262	16.530	16.494	16.545	VV	12257	348892	3.34%	0.140%
263	16.621	16.545	16.647	VV	12478	716031	6.86%	0.287%
264	16.710	16.647	16.756	VV	21392	974784	9.34%	0.391%
265	16.792	16.756	16.813	VV	14860	453789	4.35%	0.182%
266	16.838	16.813	16.849	VV	15373	312049	2.99%	0.125%
267	16.857	16.849	16.918	VV	14378	582716	5.58%	0.233%
268	16.941	16.918	16.960	VV	14659	347521	3.33%	0.139%
269	16.981	16.960	16.990	VV	14646	252774	2.42%	0.101%
270	17.032	16.990	17.072	VV	21643	826322	7.91%	0.331%
271	17.093	17.072	17.125	VV	19048	528001	5.06%	0.212%
272	17.200	17.125	17.216	VV	23496	1082551	10.37%	0.434%
273	17.226	17.216	17.251	VV	22205	413890	3.96%	0.166%
274	17.270	17.251	17.288	VV	16720	363864	3.48%	0.146%
275	17.299	17.288	17.321	VV	17143	333593	3.20%	0.134%
276	17.363	17.321	17.380	VV	19274	616964	5.91%	0.247%
277	17.420	17.380	17.452	VV	21910	848223	8.12%	0.340%
278	17.501	17.452	17.533	VV	20566	915925	8.77%	0.367%
279	17.595	17.533	17.611	VV	21593	936550	8.97%	0.375%
280	17.634	17.611	17.661	VV	23939	648937	6.22%	0.260%
281	17.670	17.661	17.690	VV	20268	340699	3.26%	0.136%
282	17.710	17.690	17.722	VV	19755	368141	3.53%	0.147%
283	17.748	17.722	17.780	VV	23020	714795	6.85%	0.286%
284	17.802	17.780	17.819	VV	20718	460090	4.41%	0.184%
285	17.832	17.819	17.891	VV	18615	776427	7.44%	0.311%
286	17.919	17.891	17.944	VV	19908	604332	5.79%	0.242%
287	17.973	17.944	17.999	VV	23115	681921	6.53%	0.273%
288	18.070	17.999	18.098	VV	28895	1356381	12.99%	0.543%
289	18.117	18.098	18.133	VV	21270	424545	4.07%	0.170%
290	18.146	18.133	18.152	VV	19595	214300	2.05%	0.086%
291	18.159	18.152	18.167	VV	19661	175641	1.68%	0.070%
292	18.215	18.167	18.232	VV	29685	925487	8.86%	0.371%
293	18.247	18.232	18.286	VV	26474	780161	7.47%	0.313%
294	18.303	18.286	18.338	VV	22358	648990	6.22%	0.260%
295	18.394	18.338	18.410	VV	25314	935692	8.96%	0.375%
296	18.451	18.410	18.473	VV	27127	967435	9.27%	0.388%
297	18.493	18.473	18.536	VV	29217	956446	9.16%	0.383%
298	18.583	18.536	18.685	VV	30468	2084836	19.97%	0.835%
299	18.694	18.685	18.704	VV	20831	236984	2.27%	0.095%

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300	18.730	18.704	18.853	VV	23556	1818896	17.42%	0.729%
301	18.903	18.853	18.939	VV	28349	1134210	10.86%	0.454%
302	18.956	18.939	18.972	VV	19700	385953	3.70%	0.155%
303	19.007	18.972	19.025	VV	26216	705539	6.76%	0.283%
304	19.055	19.025	19.125	VV	25643	1337833	12.81%	0.536%
305	19.152	19.125	19.168	VV	20579	528040	5.06%	0.212%
306	19.183	19.168	19.193	VV	20609	302154	2.89%	0.121%
307	19.221	19.193	19.243	VV	24282	658757	6.31%	0.264%
308	19.306	19.243	19.325	VV	29052	1215224	11.64%	0.487%
309	19.338	19.325	19.385	VV	26006	819118	7.85%	0.328%
310	19.407	19.385	19.452	VV	23443	890387	8.53%	0.357%
311	19.470	19.452	19.545	VV	21722	1166479	11.17%	0.467%
312	19.561	19.545	19.588	VV	20853	526303	5.04%	0.211%
313	19.604	19.588	19.631	VV	20460	519443	4.98%	0.208%
314	19.694	19.631	19.765	VV	27213	1769793	16.95%	0.709%
315	19.814	19.765	19.852	VV	23058	1124168	10.77%	0.450%
316	19.869	19.852	19.898	VV	20932	568211	5.44%	0.228%
317	19.922	19.898	19.937	VV	21345	497158	4.76%	0.199%
318	19.949	19.937	20.008	VV	21557	897967	8.60%	0.360%
319	20.068	20.008	20.091	VV	27500	1179152	11.29%	0.472%
320	20.110	20.091	20.168	VV	24154	1010268	9.68%	0.405%
321	20.225	20.168	20.269	VV	26585	1409838	13.50%	0.565%
322	20.298	20.269	20.308	VV	22480	512102	4.90%	0.205%
323	20.342	20.308	20.400	VV	22843	1227375	11.76%	0.492%
324	20.436	20.400	20.481	VV	27852	1160466	11.11%	0.465%
325	20.501	20.481	20.536	VV	23796	749911	7.18%	0.300%
326	20.592	20.536	20.619	VV	24141	1129902	10.82%	0.453%
327	20.639	20.619	20.651	VV	22888	435441	4.17%	0.174%
328	20.654	20.651	20.693	VV	22907	558424	5.35%	0.224%
329	20.711	20.693	20.748	VV	22532	736434	7.05%	0.295%
330	20.794	20.748	20.877	VV	25909	1737012	16.64%	0.696%
331	20.913	20.877	20.968	VV	21143	1123608	10.76%	0.450%
332	20.980	20.968	21.071	VV	19740	1162988	11.14%	0.466%
333	21.084	21.071	21.140	VV	18220	730926	7.00%	0.293%
334	21.175	21.140	21.312	VV	21102	1691756	16.20%	0.678%
335	21.326	21.312	21.398	VV	14168	704545	6.75%	0.282%
336	21.409	21.398	21.468	VV	13262	532815	5.10%	0.213%
337	21.490	21.468	21.562	VV	12165	653982	6.26%	0.262%
338	21.604	21.562	21.768	VV	13420	1267897	12.14%	0.508%
339	21.783	21.768	21.811	VV	8494	214278	2.05%	0.086%
340	21.837	21.811	21.885	VV	8095	338487	3.24%	0.136%
341	21.893	21.885	21.978	VV	7303	364769	3.49%	0.146%
342	21.997	21.978	22.025	VV	5879	159663	1.53%	0.064%
343	22.031	22.025	22.048	VV	5440	75351	0.72%	0.030%
344	22.093	22.048	22.185	VV	7613	470851	4.51%	0.189%
345	22.207	22.185	22.318	VV	4182	275717	2.64%	0.110%
346	22.333	22.318	22.472	VV	2661	164371	1.57%	0.066%
347	22.504	22.472	22.541	VV	600	19939	0.19%	0.008%
348	22.546	22.541	22.558	VV	284	1845	0.02%	0.001%

Sum of corrected areas: 249596601

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
Data File : FE053091.D
Signal(s) : FID1B.ch
Acq On : 01 Apr 2025 08:45
Operator : YP\AJ
Sample : Q1675-18DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K1PDL

Integration File: autoint1.e
Quant Time: Apr 02 04:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.895	3064043	18.811 ug/ml
Spiked Amount 50.000		Recovery = 37.62%	
12) S 1-chlorooctadecane (S...	13.340	2066296	17.213 ug/ml
Spiked Amount 50.000		Recovery = 34.43%	
Target Compounds			

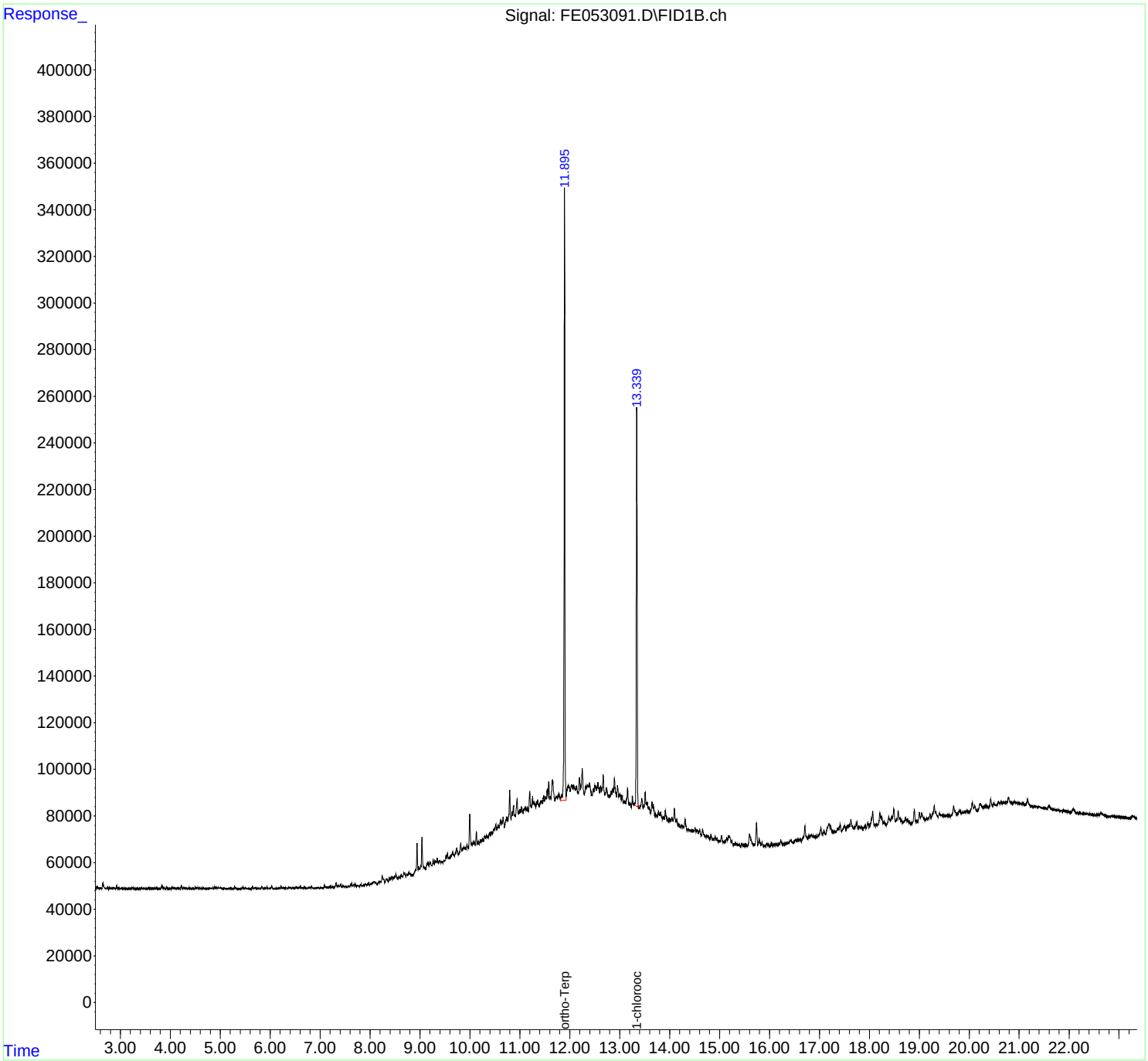
(f)=RT Delta > 1/2 Window (m)=manual int.

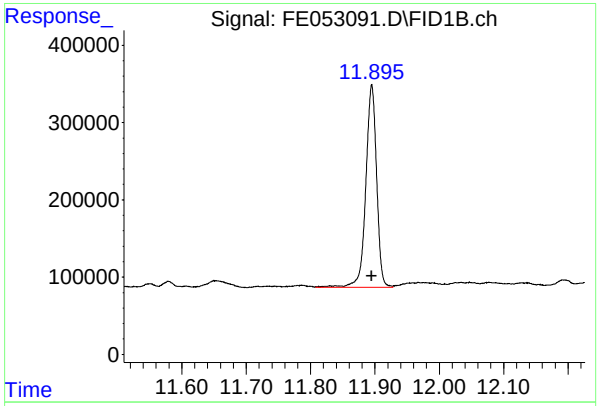
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
Data File : FE053091.D
Signal(s) : FID1B.ch
Acq On : 01 Apr 2025 08:45
Operator : YP\AJ
Sample : Q1675-18DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K1PDL

Integration File: autoint1.e
Quant Time: Apr 02 04:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

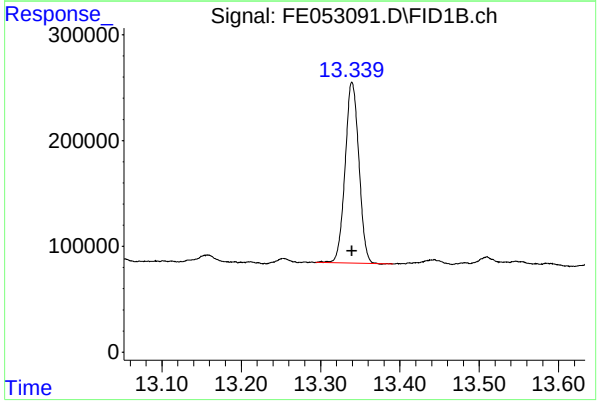




#9 ortho-Terphenyl (SURR)

R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 3064043
Conc: 18.81 ug/ml

Instrument :
FID_E
ClientSampleId :
K1PDL



#12 1-chlorooctadecane (SURR)

R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2066296
Conc: 17.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
Data File : FE053091.D
Signal(s) : FID1B.ch
Acq On : 01 Apr 2025 08:45
Sample : Q1675-18DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.860	2.804	2.904	BV	215	4693	0.09%	0.004%
2	2.925	2.904	2.954	VV	1202	12395	0.23%	0.010%
3	2.972	2.954	2.982	VV	144	1662	0.03%	0.001%
4	2.987	2.982	3.004	VV	117	726	0.01%	0.001%
5	3.015	3.004	3.029	VV	82	343	0.01%	0.000%
6	3.039	3.029	3.064	PV	27	-650	-0.01%	-0.001%
7	3.115	3.064	3.125	PV	-1	-2016	-0.04%	-0.002%
8	3.136	3.125	3.180	PV	-40	-2179	-0.04%	-0.002%
9	3.194	3.180	3.209	PV	3	-1297	-0.02%	-0.001%
10	3.235	3.209	3.267	PV	227	745	0.01%	0.001%
11	3.278	3.267	3.330	PV	-73	-3945	-0.07%	-0.003%
12	3.353	3.330	3.364	PV	1	-1714	-0.03%	-0.001%
13	3.378	3.364	3.391	PV	-28	-1212	-0.02%	-0.001%
14	3.426	3.391	3.501	PV	215	480	0.01%	0.000%
15	3.523	3.501	3.531	PV	-37	-1105	-0.02%	-0.001%
16	3.553	3.531	3.594	PV	78	-222	-0.00%	-0.000%
17	3.603	3.594	3.648	PV	54	-961	-0.02%	-0.001%
18	3.654	3.648	3.664	PV	-80	-858	-0.02%	-0.001%
19	3.688	3.664	3.705	PV	221	1676	0.03%	0.001%
20	3.723	3.705	3.754	VV	380	2741	0.05%	0.002%
21	3.774	3.754	3.792	PV	27	-954	-0.02%	-0.001%
22	3.826	3.792	3.900	PV	1101	19337	0.36%	0.016%
23	3.923	3.900	3.985	PV	718	5517	0.10%	0.005%
24	3.998	3.985	4.012	PV	19	-646	-0.01%	-0.001%
25	4.058	4.012	4.117	PV	458	11850	0.22%	0.010%
26	4.140	4.117	4.195	VV	180	1702	0.03%	0.001%
27	4.220	4.195	4.248	PV	1159	12804	0.24%	0.011%
28	4.270	4.248	4.287	VV	348	4133	0.08%	0.003%
29	4.301	4.287	4.349	VV	126	1408	0.03%	0.001%
30	4.365	4.349	4.378	PV	19	-367	-0.01%	-0.000%
31	4.383	4.378	4.421	PV	56	-835	-0.02%	-0.001%
32	4.438	4.421	4.472	PV	18	-1191	-0.02%	-0.001%
33	4.500	4.472	4.521	PV	378	3011	0.06%	0.002%
34	4.536	4.521	4.555	PV	377	2958	0.06%	0.002%
35	4.574	4.555	4.600	PV	170	1231	0.02%	0.001%
36	4.621	4.600	4.637	PV	202	765	0.01%	0.001%

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37	4.655	4.637	4.701	PV	242	2290	0.04%	0.002%
38	4.730	4.701	4.762	PV	22	-1555	-0.03%	-0.001%
39	4.785	4.762	4.798	PV	48	236	0.00%	0.000%
40	4.810	4.798	4.821	VV	104	956	0.02%	0.001%
41	4.854	4.821	4.872	VV	182	3300	0.06%	0.003%
42	4.888	4.872	4.902	PV	309	4025	0.07%	0.003%
43	4.919	4.902	4.947	VV	623	7671	0.14%	0.006%
44	4.963	4.947	4.984	VV	445	5166	0.10%	0.004%
45	5.006	4.984	5.071	VV	469	3421	0.06%	0.003%
46	5.082	5.071	5.130	PV	90	-3002	-0.06%	-0.002%
47	5.207	5.130	5.238	PV	180	-1337	-0.02%	-0.001%
48	5.258	5.238	5.272	PV	102	-141	-0.00%	-0.000%
49	5.289	5.272	5.318	PV	439	3812	0.07%	0.003%
50	5.326	5.318	5.382	PV	20	-4025	-0.07%	-0.003%
51	5.419	5.382	5.428	PV	-66	-3746	-0.07%	-0.003%
52	5.452	5.428	5.481	PV	425	4559	0.08%	0.004%
53	5.500	5.481	5.514	VH	139	1953	0.04%	0.002%
54	5.519	5.514	5.532	HH	83	72	0.00%	0.000%
55	5.538	5.532	5.624	PH	-24	-7228	-0.13%	-0.006%
56	5.645	5.624	5.682	PH	752	9726	0.18%	0.008%
57	5.699	5.682	5.741	PH	273	2648	0.05%	0.002%
58	5.761	5.741	5.807	PH	91	-563	-0.01%	-0.000%
59	5.831	5.807	5.859	PH	532	7904	0.15%	0.006%
60	5.871	5.859	5.897	HH	123	880	0.02%	0.001%
61	5.906	5.897	5.921	PH	104	542	0.01%	0.000%
62	5.936	5.921	5.977	HH	655	8851	0.16%	0.007%
63	5.992	5.977	6.008	PH	213	1620	0.03%	0.001%
64	6.032	6.008	6.064	PH	864	9436	0.18%	0.008%
65	6.082	6.064	6.105	PH	158	1270	0.02%	0.001%
66	6.124	6.105	6.144	PH	152	1260	0.02%	0.001%
67	6.178	6.144	6.198	PH	179	2586	0.05%	0.002%
68	6.219	6.198	6.244	HH	768	11767	0.22%	0.010%
69	6.254	6.244	6.298	HH	311	4865	0.09%	0.004%
70	6.320	6.298	6.338	PH	311	3070	0.06%	0.003%
71	6.365	6.338	6.379	HH	368	5647	0.11%	0.005%
72	6.396	6.379	6.431	HH	497	8366	0.16%	0.007%
73	6.449	6.431	6.481	PH	216	3748	0.07%	0.003%
74	6.495	6.481	6.504	HH	209	1943	0.04%	0.002%
75	6.524	6.504	6.559	HH	607	12600	0.23%	0.010%
76	6.570	6.559	6.581	HH	339	4392	0.08%	0.004%
77	6.604	6.581	6.658	HH	806	15603	0.29%	0.013%
78	6.682	6.658	6.738	HH	886	13939	0.26%	0.011%
79	6.768	6.738	6.781	HH	482	7506	0.14%	0.006%
80	6.800	6.781	6.812	HH	474	6897	0.13%	0.006%
81	6.830	6.812	6.858	HH	746	11473	0.21%	0.009%
82	6.878	6.858	6.897	HH	263	4229	0.08%	0.003%
83	6.909	6.897	6.913	HH	85	589	0.01%	0.000%
84	6.933	6.913	6.951	HH	209	3192	0.06%	0.003%
85	6.965	6.951	6.983	HH	328	3905	0.07%	0.003%
86	7.011	6.983	7.025	HH	331	6386	0.12%	0.005%
87	7.043	7.025	7.064	HH	372	7353	0.14%	0.006%
88	7.087	7.064	7.134	HH	1384	27171	0.51%	0.022%
89	7.144	7.134	7.163	HH	528	8083	0.15%	0.007%

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90	7.185	7.163	7.198	HH	687	11105	0.21%	0.009%
91	7.214	7.198	7.235	HH	1031	15295	0.28%	0.013%
92	7.254	7.235	7.280	HH	788	15878	0.30%	0.013%
93	7.321	7.280	7.351	HH	2444	49747	0.93%	0.041%
94	7.371	7.351	7.386	HH	1093	20785	0.39%	0.017%
95	7.408	7.386	7.438	HH	1527	35880	0.67%	0.029%
96	7.457	7.438	7.484	HH	1271	25413	0.47%	0.021%
97	7.503	7.484	7.528	HH	981	20842	0.39%	0.017%
98	7.535	7.528	7.548	HH	781	8836	0.16%	0.007%
99	7.607	7.548	7.617	HH	1610	42887	0.80%	0.035%
100	7.632	7.617	7.651	HH	2113	32757	0.61%	0.027%
101	7.670	7.651	7.684	HH	1603	27074	0.50%	0.022%
102	7.696	7.684	7.734	HH	1752	40744	0.76%	0.033%
103	7.748	7.734	7.786	HH	1355	35554	0.66%	0.029%
104	7.821	7.786	7.848	HH	1720	49782	0.93%	0.041%
105	7.879	7.848	7.886	HH	1439	31275	0.58%	0.026%
106	7.917	7.886	7.933	HH	1903	44285	0.82%	0.036%
107	7.974	7.933	7.994	HH	2290	67649	1.26%	0.055%
108	8.011	7.994	8.031	HH	2191	42080	0.78%	0.035%
109	8.085	8.031	8.138	HH	2828	158323	2.94%	0.130%
110	8.206	8.138	8.220	HH	3167	129482	2.41%	0.106%
111	8.245	8.220	8.296	HH	5549	177429	3.30%	0.146%
112	8.334	8.296	8.367	HH	4145	147903	2.75%	0.121%
113	8.390	8.367	8.404	HH	4452	87442	1.63%	0.072%
114	8.434	8.404	8.453	HH	4942	132742	2.47%	0.109%
115	8.518	8.453	8.558	HH	6219	306719	5.70%	0.252%
116	8.581	8.558	8.599	HH	4962	114289	2.13%	0.094%
117	8.621	8.599	8.654	HH	5789	172500	3.21%	0.142%
118	8.677	8.654	8.721	HH	6597	235712	4.38%	0.193%
119	8.739	8.721	8.761	HH	6158	139347	2.59%	0.114%
120	8.778	8.761	8.792	HH	7009	120947	2.25%	0.099%
121	8.803	8.792	8.836	HH	6598	156270	2.91%	0.128%
122	8.849	8.836	8.861	HH	5766	84941	1.58%	0.070%
123	8.910	8.861	8.920	HH	8122	247725	4.61%	0.203%
124	8.943	8.920	8.963	HH	19321	321617	5.98%	0.264%
125	8.976	8.963	8.994	HH	9307	160432	2.98%	0.132%
126	9.041	8.994	9.074	HH	22127	576755	10.73%	0.473%
127	9.085	9.074	9.106	HH	9135	170170	3.17%	0.140%
128	9.160	9.106	9.180	HH	11011	442354	8.23%	0.363%
129	9.199	9.180	9.243	HH	11302	390583	7.26%	0.320%
130	9.265	9.243	9.284	HH	12499	276772	5.15%	0.227%
131	9.301	9.284	9.314	HH	12083	205977	3.83%	0.169%
132	9.347	9.314	9.369	HH	13124	389862	7.25%	0.320%
133	9.395	9.369	9.418	HH	11881	339350	6.31%	0.278%
134	9.435	9.418	9.461	HH	11712	291359	5.42%	0.239%
135	9.479	9.461	9.494	HV	11895	233476	4.34%	0.192%
136	9.521	9.494	9.535	VV	14203	314036	5.84%	0.258%
137	9.551	9.535	9.568	VV	14938	269529	5.01%	0.221%
138	9.581	9.568	9.594	VV	13044	206013	3.83%	0.169%
139	9.654	9.594	9.694	VV	15348	832641	15.49%	0.683%
140	9.735	9.694	9.768	VV	16581	661337	12.30%	0.543%
141	9.817	9.768	9.835	VV	18593	631320	11.74%	0.518%

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142	9.849	9.835	9.860	VV	16451	232534	4.32%	0.191%
143	9.880	9.860	9.901	VV	16726	400487	7.45%	0.329%
144	9.942	9.901	9.967	VV	17604	646925	12.03%	0.531%
145	9.998	9.967	10.044	VV	30558	964998	17.95%	0.792%
146	10.069	10.044	10.082	VV	18763	407958	7.59%	0.335%
147	10.094	10.082	10.108	VV	18244	275512	5.12%	0.226%
148	10.130	10.108	10.158	VV	22450	570637	10.61%	0.468%
149	10.171	10.158	10.184	VV	18277	287630	5.35%	0.236%
150	10.210	10.184	10.224	VV	18717	436854	8.13%	0.358%
151	10.242	10.224	10.272	VV	19036	536039	9.97%	0.440%
152	10.295	10.272	10.311	VV	20448	457461	8.51%	0.375%
153	10.328	10.311	10.352	VV	20506	491689	9.15%	0.403%
154	10.396	10.352	10.411	VV	21509	727671	13.53%	0.597%
155	10.430	10.411	10.445	VV	21990	435346	8.10%	0.357%
156	10.520	10.445	10.538	VV	24948	1278784	23.78%	1.049%
157	10.562	10.538	10.583	VV	23942	631108	11.74%	0.518%
158	10.610	10.583	10.626	VV	26366	647048	12.03%	0.531%
159	10.666	10.626	10.694	VV	27632	1050724	19.54%	0.862%
160	10.741	10.694	10.757	VV	27469	971763	18.07%	0.797%
161	10.799	10.757	10.824	VV	38934	1222875	22.74%	1.003%
162	10.847	10.824	10.857	VV	29574	555988	10.34%	0.456%
163	10.873	10.857	10.910	VV	32037	921929	17.15%	0.756%
164	10.945	10.910	10.969	VV	34778	1088665	20.25%	0.893%
165	11.001	10.969	11.016	VV	29884	828826	15.42%	0.680%
166	11.037	11.016	11.064	VV	30956	863503	16.06%	0.708%
167	11.113	11.064	11.133	VV	31159	1231537	22.91%	1.010%
168	11.147	11.133	11.170	VV	30610	660437	12.28%	0.542%
169	11.199	11.170	11.231	VV	37230	1197595	22.27%	0.982%
170	11.254	11.231	11.318	VV	34915	1677012	31.19%	1.376%
171	11.353	11.318	11.394	VV	33180	1453081	27.03%	1.192%
172	11.423	11.394	11.448	VV	32885	1025629	19.08%	0.841%
173	11.476	11.448	11.498	VV	34712	994253	18.49%	0.816%
174	11.550	11.498	11.563	VV	37600	1361948	25.33%	1.117%
175	11.579	11.563	11.618	VV	40520	1169043	21.74%	0.959%
176	11.653	11.618	11.700	VV	41109	1812925	33.72%	1.487%
177	11.746	11.700	11.758	VV	33879	1151395	21.42%	0.945%
178	11.786	11.758	11.808	VV	35009	1015050	18.88%	0.833%
179	11.895	11.808	11.928	VV	292635	5376570	100.00%	4.411%
180	11.969	11.928	12.011	VV	38185	1827437	33.99%	1.499%
181	12.033	12.011	12.063	VV	38115	1169243	21.75%	0.959%
182	12.078	12.063	12.114	VV	38020	1121962	20.87%	0.920%
183	12.129	12.114	12.164	VV	37250	1089030	20.26%	0.893%
184	12.194	12.164	12.212	VV	40772	1073574	19.97%	0.881%
185	12.251	12.212	12.292	VV	44573	1830166	34.04%	1.501%
186	12.318	12.292	12.331	VV	36835	837338	15.57%	0.687%
187	12.354	12.331	12.371	VV	37263	866446	16.12%	0.711%
188	12.394	12.371	12.451	VV	38288	1705111	31.71%	1.399%
189	12.475	12.451	12.487	VV	35358	736435	13.70%	0.604%
190	12.506	12.487	12.531	VV	36794	961535	17.88%	0.789%
191	12.559	12.531	12.596	VV	38001	1383180	25.73%	1.135%
192	12.616	12.596	12.630	VV	36042	717432	13.34%	0.589%
193	12.670	12.630	12.701	VV	40553	1527302	28.41%	1.253%
194	12.734	12.701	12.768	VV	35337	1334714	24.82%	1.095%

rteres

195	12.832	12.768	12.841	VV	33537	1405864	26.15%	1.153%
196	12.859	12.841	12.874	VV	34466	671510	12.49%	0.551%
197	12.893	12.874	12.934	VV	38660	1241770	23.10%	1.019%
198	12.955	12.934	12.991	VV	35681	1113928	20.72%	0.914%
199	13.005	12.991	13.032	VV	31593	756393	14.07%	0.620%
200	13.047	13.032	13.068	VV	31005	644692	11.99%	0.529%
201	13.102	13.068	13.121	VV	28657	906926	16.87%	0.744%
202	13.157	13.121	13.204	VV	34020	1467972	27.30%	1.204%
203	13.210	13.204	13.229	VV	27404	402771	7.49%	0.330%
204	13.253	13.229	13.294	VV	30465	1074230	19.98%	0.881%
205	13.340	13.294	13.391	VV	195661	3570318	66.41%	2.929%
206	13.442	13.391	13.467	VV	28683	1193095	22.19%	0.979%
207	13.509	13.467	13.538	VV	31216	1153431	21.45%	0.946%
208	13.547	13.538	13.577	VV	27129	610961	11.36%	0.501%
209	13.587	13.577	13.621	VV	24938	624152	11.61%	0.512%
210	13.645	13.621	13.662	VV	27151	614255	11.42%	0.504%
211	13.673	13.662	13.711	VV	25723	678924	12.63%	0.557%
212	13.720	13.711	13.752	VV	21777	517636	9.63%	0.425%
213	13.775	13.752	13.798	VV	22594	588494	10.95%	0.483%
214	13.815	13.798	13.854	VV	22056	701608	13.05%	0.576%
215	13.871	13.854	13.890	VV	19932	426158	7.93%	0.350%
216	13.913	13.890	13.972	VV	22655	975206	18.14%	0.800%
217	13.993	13.972	14.028	VV	19126	616392	11.46%	0.506%
218	14.045	14.028	14.068	VV	19237	440928	8.20%	0.362%
219	14.094	14.068	14.222	VV	23130	1624920	30.22%	1.333%
220	14.241	14.222	14.284	VV	15655	564983	10.51%	0.463%
221	14.309	14.284	14.351	VV	17899	611212	11.37%	0.501%
222	14.362	14.351	14.401	VV	13504	396261	7.37%	0.325%
223	14.417	14.401	14.436	VV	13208	268430	4.99%	0.220%
224	14.454	14.436	14.475	VV	13098	293923	5.47%	0.241%
225	14.509	14.475	14.540	VV	13721	499181	9.28%	0.409%
226	14.554	14.540	14.578	VV	12590	273953	5.10%	0.225%
227	14.600	14.578	14.637	VV	12710	407546	7.58%	0.334%
228	14.660	14.637	14.764	VV	12719	794278	14.77%	0.652%
229	14.774	14.764	14.805	VV	9861	220972	4.11%	0.181%
230	14.827	14.805	14.851	VV	10113	247552	4.60%	0.203%
231	14.864	14.851	14.884	VV	8159	156545	2.91%	0.128%
232	14.911	14.884	14.928	VV	8756	214692	3.99%	0.176%
233	14.946	14.928	14.972	VV	8243	203912	3.79%	0.167%
234	14.983	14.972	14.987	VV	7027	62926	1.17%	0.052%
235	14.995	14.987	15.017	VV	7303	124605	2.32%	0.102%
236	15.040	15.017	15.071	VV	9323	245457	4.57%	0.201%
237	15.093	15.071	15.108	VV	6455	141129	2.62%	0.116%
238	15.144	15.108	15.157	VV	7852	207459	3.86%	0.170%
239	15.180	15.157	15.192	VV	8912	169572	3.15%	0.139%
240	15.200	15.192	15.231	VV	8456	172871	3.22%	0.142%
241	15.246	15.231	15.286	VV	6324	180970	3.37%	0.148%
242	15.309	15.286	15.318	VV	5043	92575	1.72%	0.076%
243	15.325	15.318	15.374	VV	5025	157414	2.93%	0.129%
244	15.388	15.374	15.423	VV	4733	122270	2.27%	0.100%
245	15.447	15.423	15.475	VV	4763	129059	2.40%	0.106%
246	15.489	15.475	15.551	VV	4081	172704	3.21%	0.142%

rteres

247	15.599	15.551	15.703	VV	8462	468707	8.72%	0.384%
248	15.738	15.703	15.771	VV	12722	281381	5.23%	0.231%
249	15.791	15.771	15.828	VV	6103	151576	2.82%	0.124%
250	15.849	15.828	15.878	VV	4078	102166	1.90%	0.084%
251	15.902	15.878	15.925	VV	2811	73357	1.36%	0.060%
252	15.946	15.925	15.968	VV	3528	79453	1.48%	0.065%
253	15.982	15.968	16.005	VV	3080	63423	1.18%	0.052%
254	16.046	16.005	16.070	VV	3256	107087	1.99%	0.088%
255	16.110	16.070	16.150	VV	3028	128770	2.40%	0.106%
256	16.224	16.150	16.268	VV	4571	212846	3.96%	0.175%
257	16.281	16.268	16.298	VV	2772	46757	0.87%	0.038%
258	16.311	16.298	16.322	VV	2743	37040	0.69%	0.030%
259	16.370	16.322	16.384	VV	2926	99386	1.85%	0.082%
260	16.430	16.384	16.481	VV	3818	184753	3.44%	0.152%
261	16.521	16.481	16.540	VV	3838	119463	2.22%	0.098%
262	16.582	16.540	16.601	VV	3763	128842	2.40%	0.106%
263	16.615	16.601	16.637	VV	3938	77485	1.44%	0.064%
264	16.672	16.637	16.679	VV	4405	98653	1.83%	0.081%
265	16.707	16.679	16.768	VV	9208	292473	5.44%	0.240%
266	16.792	16.768	16.808	VV	4874	106830	1.99%	0.088%
267	16.838	16.808	16.863	VV	5340	156553	2.91%	0.128%
268	16.876	16.863	16.899	VV	4605	92508	1.72%	0.076%
269	16.907	16.899	16.918	VV	4437	49829	0.93%	0.041%
270	16.937	16.918	16.954	VV	4199	87216	1.62%	0.072%
271	16.976	16.954	16.985	VV	4795	83145	1.55%	0.068%
272	17.028	16.985	17.065	VV	7946	276026	5.13%	0.226%
273	17.089	17.065	17.127	VV	6593	199434	3.71%	0.164%
274	17.193	17.127	17.211	VV	8873	373600	6.95%	0.306%
275	17.222	17.211	17.249	VV	8068	159866	2.97%	0.131%
276	17.264	17.249	17.281	VV	5650	103663	1.93%	0.085%
277	17.307	17.281	17.331	VV	5632	159983	2.98%	0.131%
278	17.361	17.331	17.377	VV	6652	164868	3.07%	0.135%
279	17.416	17.377	17.442	VV	8316	265029	4.93%	0.217%
280	17.498	17.442	17.528	VV	7426	321667	5.98%	0.264%
281	17.567	17.528	17.578	VV	7610	197064	3.67%	0.162%
282	17.594	17.578	17.605	VV	7653	120561	2.24%	0.099%
283	17.629	17.605	17.683	VV	9794	343898	6.40%	0.282%
284	17.699	17.683	17.707	VV	6538	89180	1.66%	0.073%
285	17.739	17.707	17.776	VV	7993	286657	5.33%	0.235%
286	17.797	17.776	17.814	VV	6602	138173	2.57%	0.113%
287	17.828	17.814	17.844	VV	6054	103053	1.92%	0.085%
288	17.857	17.844	17.874	VV	5579	99687	1.85%	0.082%
289	17.916	17.874	17.934	VV	6310	211924	3.94%	0.174%
290	17.967	17.934	17.994	VV	7613	235353	4.38%	0.193%
291	18.065	17.994	18.095	VV	12328	494539	9.20%	0.406%
292	18.108	18.095	18.126	VV	6823	120024	2.23%	0.098%
293	18.209	18.126	18.229	VV	11242	468934	8.72%	0.385%
294	18.238	18.229	18.278	VV	9313	246458	4.58%	0.202%
295	18.296	18.278	18.326	VV	7380	192258	3.58%	0.158%
296	18.386	18.326	18.424	VV	9153	426205	7.93%	0.350%
297	18.446	18.424	18.461	VV	8870	183717	3.42%	0.151%
298	18.489	18.461	18.530	VV	12192	380623	7.08%	0.312%
299	18.576	18.530	18.598	VV	11238	350199	6.51%	0.287%

rteres

300	18.610	18.598	18.638	VV	8206	177326	3.30%	0.145%
301	18.643	18.638	18.678	VV	7045	156975	2.92%	0.129%
302	18.726	18.678	18.754	VV	7531	310095	5.77%	0.254%
303	18.761	18.754	18.848	VV	6807	329669	6.13%	0.270%
304	18.900	18.848	18.935	VV	11115	378950	7.05%	0.311%
305	18.953	18.935	18.966	VV	6112	106834	1.99%	0.088%
306	19.002	18.966	19.021	VV	9615	249541	4.64%	0.205%
307	19.047	19.021	19.114	VV	9134	415704	7.73%	0.341%
308	19.126	19.114	19.131	VV	6206	59494	1.11%	0.049%
309	19.215	19.131	19.238	VV	8381	437838	8.14%	0.359%
310	19.298	19.238	19.319	VV	11654	437739	8.14%	0.359%
311	19.333	19.319	19.370	VV	9200	245774	4.57%	0.202%
312	19.401	19.370	19.432	VV	8273	275892	5.13%	0.226%
313	19.443	19.432	19.461	VV	7350	126275	2.35%	0.104%
314	19.474	19.461	19.489	VV	7452	122317	2.28%	0.100%
315	19.497	19.489	19.514	VV	7186	101921	1.90%	0.084%
316	19.526	19.514	19.541	VV	6955	108485	2.02%	0.089%
317	19.560	19.541	19.591	VV	6876	201727	3.75%	0.165%
318	19.608	19.591	19.627	VV	7017	144273	2.68%	0.118%
319	19.687	19.627	19.744	VV	10628	564360	10.50%	0.463%
320	19.805	19.744	19.842	VV	8625	445655	8.29%	0.366%
321	19.864	19.842	19.880	VV	7481	165898	3.09%	0.136%
322	19.910	19.880	19.924	VV	7710	200727	3.73%	0.165%
323	19.935	19.924	19.945	VV	7706	92675	1.72%	0.076%
324	19.968	19.945	20.004	VV	7774	271741	5.05%	0.223%
325	20.063	20.004	20.087	VV	11301	448223	8.34%	0.368%
326	20.106	20.087	20.160	VV	9340	366221	6.81%	0.300%
327	20.217	20.160	20.264	VV	10438	560416	10.42%	0.460%
328	20.331	20.264	20.348	VV	9400	444588	8.27%	0.365%
329	20.365	20.348	20.391	VV	8950	224464	4.17%	0.184%
330	20.428	20.391	20.464	VV	11833	430968	8.02%	0.354%
331	20.496	20.464	20.524	VV	9960	333562	6.20%	0.274%
332	20.588	20.524	20.614	VV	10338	507277	9.43%	0.416%
333	20.633	20.614	20.645	VV	9892	181700	3.38%	0.149%
334	20.650	20.645	20.664	VV	9779	109339	2.03%	0.090%
335	20.674	20.664	20.688	VV	9722	136288	2.53%	0.112%
336	20.701	20.688	20.721	VV	9714	190144	3.54%	0.156%
337	20.786	20.721	20.873	VV	11835	892580	16.60%	0.732%
338	20.911	20.873	20.974	VV	9434	557834	10.38%	0.458%
339	20.983	20.974	21.008	VV	8958	178297	3.32%	0.146%
340	21.032	21.008	21.051	VV	8548	216973	4.04%	0.178%
341	21.066	21.051	21.111	VV	8520	294476	5.48%	0.242%
342	21.121	21.111	21.131	VV	8009	95751	1.78%	0.079%
343	21.169	21.131	21.238	VV	9702	518865	9.65%	0.426%
344	21.253	21.238	21.283	VV	6868	178403	3.32%	0.146%
345	21.304	21.283	21.316	VV	6635	127967	2.38%	0.105%
346	21.323	21.316	21.359	VV	6555	168213	3.13%	0.138%
347	21.395	21.359	21.558	VV	6311	670688	12.47%	0.550%
348	21.595	21.558	21.698	VV	6179	420843	7.83%	0.345%
349	21.711	21.698	21.741	VV	4235	106792	1.99%	0.088%
350	21.759	21.741	21.874	VV	3942	287079	5.34%	0.236%
351	21.891	21.874	21.971	VV	3284	174041	3.24%	0.143%

rteres

352	21.980	21.971	21.999	VV	2763	43062	0.80%	0.035%
353	22.008	21.999	22.018	VV	2458	27508	0.51%	0.023%
354	22.084	22.018	22.208	VV	3518	262153	4.88%	0.215%
355	22.216	22.208	22.268	VV	1454	46842	0.87%	0.038%
356	22.279	22.268	22.331	VV	1180	37231	0.69%	0.031%
357	22.355	22.331	22.406	VV	878	33260	0.62%	0.027%
358	22.422	22.406	22.478	VV	607	14997	0.28%	0.012%

Sum of corrected areas: 121901153

Aliphatic EPH 032925.M Wed Apr 02 06:42:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053082.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 20:34
Operator : YP\AJ
Sample : Q1675-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K1

Integration File: autoint1.e
Quant Time: Apr 01 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.899	5291056	32.484 ug/ml
Spiked Amount 50.000		Recovery =	64.97%
12) S 1-chlorooctadecane (S...	13.344	3936751	32.794 ug/ml
Spiked Amount 50.000		Recovery =	65.59%
Target Compounds			

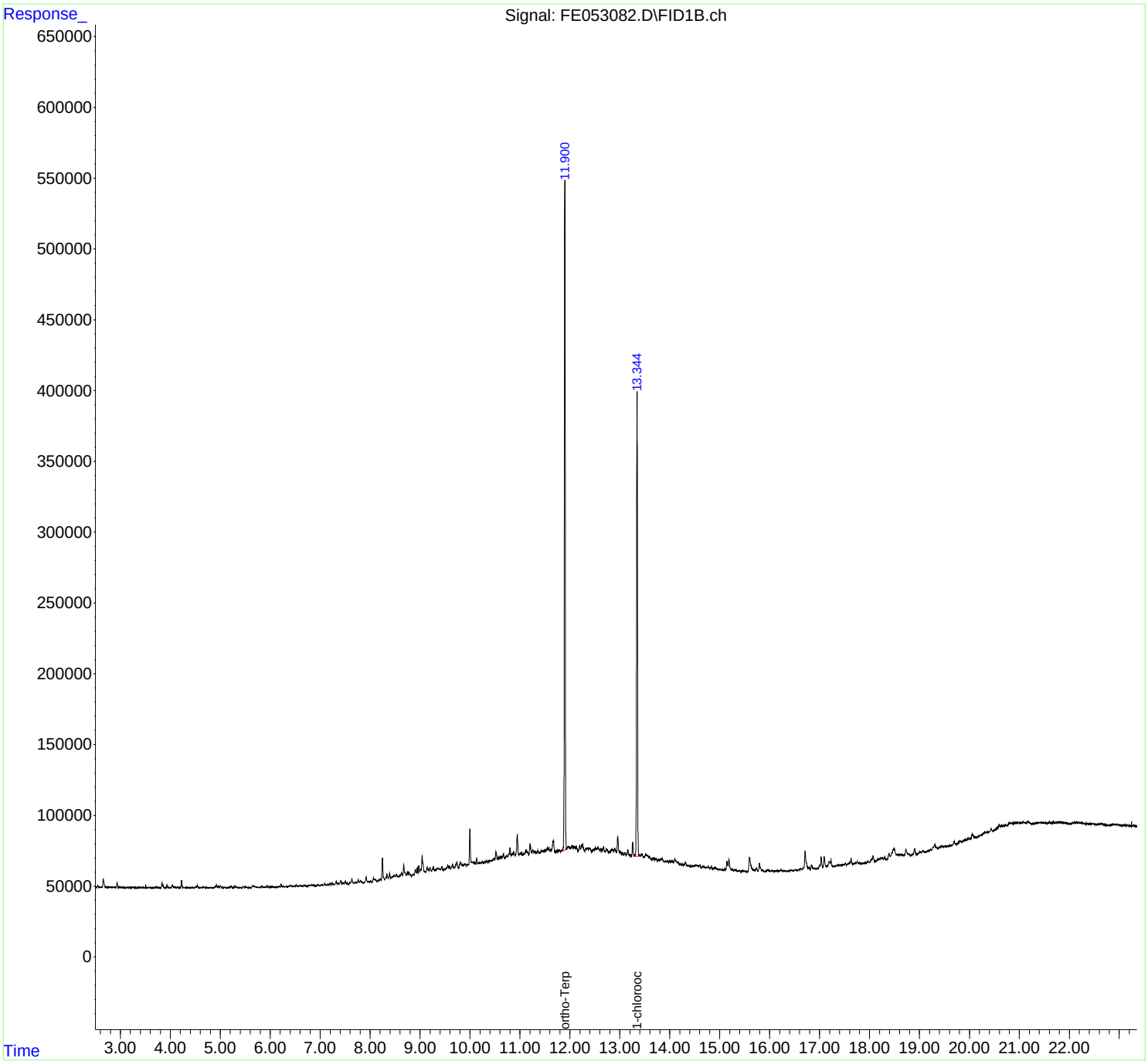
(f)=RT Delta > 1/2 Window (m)=manual int.

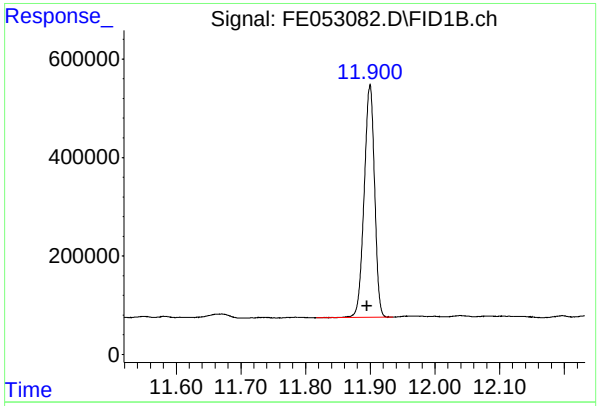
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053082.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 20:34
Operator : YP\AJ
Sample : Q1675-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K1

Integration File: autoint1.e
Quant Time: Apr 01 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

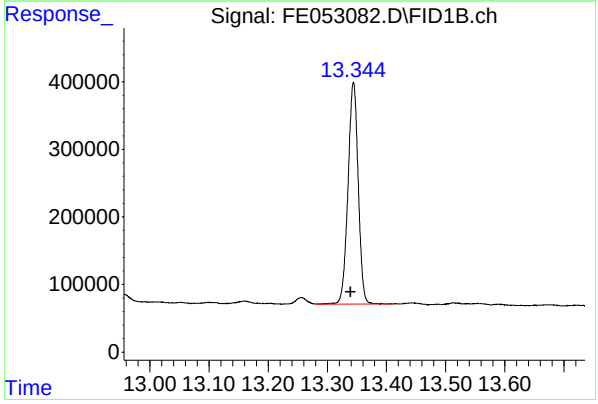




#9 ortho-Terphenyl (SURR)

R.T.: 11.899 min
Delta R.T.: 0.004 min
Response: 5291056
Conc: 32.48 ug/ml

Instrument :
FID_E
ClientSampleId :
K1



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: 0.005 min
Response: 3936751
Conc: 32.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053082.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 20:34
Sample : Q1675-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.876	2.829	2.904	PV	415	7490	0.11%	0.009%
2	2.934	2.904	2.998	VV	3558	44609	0.67%	0.054%
3	3.024	2.998	3.037	VV	230	3929	0.06%	0.005%
4	3.048	3.037	3.088	VV	173	2609	0.04%	0.003%
5	3.092	3.088	3.100	VV	119	500	0.01%	0.001%
6	3.123	3.100	3.141	VV	221	3000	0.04%	0.004%
7	3.153	3.141	3.208	VV	172	2897	0.04%	0.004%
8	3.242	3.208	3.335	PV	678	12086	0.18%	0.015%
9	3.358	3.335	3.372	VV	235	2345	0.04%	0.003%
10	3.387	3.372	3.537	VV	241	10287	0.15%	0.012%
11	3.556	3.537	3.574	VV	273	3429	0.05%	0.004%
12	3.578	3.574	3.595	VV	187	1395	0.02%	0.002%
13	3.618	3.595	3.633	PV	121	1777	0.03%	0.002%
14	3.646	3.633	3.676	VV	138	1476	0.02%	0.002%
15	3.694	3.676	3.711	VV	397	4280	0.06%	0.005%
16	3.730	3.711	3.763	VV	625	8321	0.12%	0.010%
17	3.775	3.763	3.799	VV	147	1841	0.03%	0.002%
18	3.831	3.799	3.845	PV	3503	37801	0.56%	0.046%
19	3.853	3.845	3.908	VV	1770	21342	0.32%	0.026%
20	3.929	3.908	3.989	VV	2161	26670	0.40%	0.032%
21	4.038	3.989	4.131	VV	2227	48080	0.72%	0.058%
22	4.150	4.131	4.175	VV	400	6528	0.10%	0.008%
23	4.224	4.175	4.257	VV	5464	63251	0.94%	0.076%
24	4.271	4.257	4.355	VV	437	12532	0.19%	0.015%
25	4.394	4.355	4.424	VV	161	3598	0.05%	0.004%
26	4.444	4.424	4.484	VV	205	4608	0.07%	0.006%
27	4.503	4.484	4.520	VV	932	9807	0.15%	0.012%
28	4.541	4.520	4.563	VV	2023	21778	0.33%	0.026%
29	4.576	4.563	4.601	VV	485	6098	0.09%	0.007%
30	4.620	4.601	4.641	VV	227	4172	0.06%	0.005%
31	4.658	4.641	4.720	VV	715	12824	0.19%	0.015%
32	4.732	4.720	4.751	VV	256	2806	0.04%	0.003%
33	4.757	4.751	4.774	VV	147	1038	0.02%	0.001%
34	4.789	4.774	4.804	VV	242	2245	0.03%	0.003%
35	4.816	4.804	4.855	VV	191	3547	0.05%	0.004%
36	4.893	4.855	4.905	VV	894	11099	0.17%	0.013%

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37	4.922	4.905	4.948	VV	1840	24729	0.37%	0.030%
38	4.966	4.948	4.986	VV	1068	17043	0.25%	0.021%
39	5.006	4.986	5.053	VV	1583	24019	0.36%	0.029%
40	5.085	5.053	5.106	VV	693	9622	0.14%	0.012%
41	5.117	5.106	5.132	VV	196	1845	0.03%	0.002%
42	5.153	5.132	5.171	VV	256	3864	0.06%	0.005%
43	5.211	5.171	5.248	VV	1104	23890	0.36%	0.029%
44	5.261	5.248	5.275	VV	596	6497	0.10%	0.008%
45	5.293	5.275	5.321	VV	1627	20790	0.31%	0.025%
46	5.327	5.321	5.366	VV	371	6123	0.09%	0.007%
47	5.394	5.366	5.434	PV	217	5335	0.08%	0.006%
48	5.452	5.434	5.478	VV	1073	16043	0.24%	0.019%
49	5.501	5.478	5.559	VV	830	21222	0.32%	0.026%
50	5.584	5.559	5.604	VV	213	3277	0.05%	0.004%
51	5.645	5.604	5.663	PV	1653	23630	0.35%	0.029%
52	5.676	5.663	5.750	VV	1388	32748	0.49%	0.040%
53	5.767	5.750	5.794	VV	288	5365	0.08%	0.006%
54	5.800	5.794	5.807	VV	112	947	0.01%	0.001%
55	5.832	5.807	5.860	VV	993	16235	0.24%	0.020%
56	5.872	5.860	5.882	VV	297	3336	0.05%	0.004%
57	5.891	5.882	5.899	VV	263	2394	0.04%	0.003%
58	5.938	5.899	5.982	VV	1292	26855	0.40%	0.032%
59	5.995	5.982	6.021	VV	568	7290	0.11%	0.009%
60	6.035	6.021	6.054	VV	827	8993	0.13%	0.011%
61	6.078	6.054	6.111	VV	320	5980	0.09%	0.007%
62	6.128	6.111	6.142	VV	371	3713	0.06%	0.004%
63	6.181	6.142	6.198	VV	463	10155	0.15%	0.012%
64	6.220	6.198	6.247	VV	1535	23513	0.35%	0.028%
65	6.258	6.247	6.297	VV	600	11129	0.17%	0.013%
66	6.318	6.297	6.344	VV	490	7329	0.11%	0.009%
67	6.367	6.344	6.377	VV	687	8771	0.13%	0.011%
68	6.404	6.377	6.433	VV	1180	26912	0.40%	0.033%
69	6.448	6.433	6.477	VV	591	11679	0.17%	0.014%
70	6.521	6.477	6.548	VV	1231	27692	0.41%	0.033%
71	6.601	6.548	6.628	VV	891	31031	0.46%	0.038%
72	6.648	6.628	6.668	VV	509	10579	0.16%	0.013%
73	6.683	6.668	6.704	VV	922	12414	0.19%	0.015%
74	6.715	6.704	6.736	VV	567	6479	0.10%	0.008%
75	6.768	6.736	6.794	PV	1102	20812	0.31%	0.025%
76	6.808	6.794	6.821	VV	1058	12932	0.19%	0.016%
77	6.835	6.821	6.857	VV	1168	18115	0.27%	0.022%
78	6.873	6.857	6.898	VV	944	16046	0.24%	0.019%
79	6.948	6.898	6.979	VV	1029	28787	0.43%	0.035%
80	7.027	6.979	7.059	VV	843	30687	0.46%	0.037%
81	7.090	7.059	7.128	VV	1820	40299	0.60%	0.049%
82	7.148	7.128	7.166	VV	1174	19214	0.29%	0.023%
83	7.186	7.166	7.201	VV	1511	23768	0.35%	0.029%
84	7.218	7.201	7.238	VV	1949	31128	0.46%	0.038%
85	7.255	7.238	7.281	VV	1809	31056	0.46%	0.038%
86	7.321	7.281	7.344	VV	3169	66481	0.99%	0.080%
87	7.354	7.344	7.381	VV	1709	30997	0.46%	0.037%
88	7.409	7.381	7.440	VV	3136	73705	1.10%	0.089%
89	7.457	7.440	7.478	VV	2313	38191	0.57%	0.046%

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90	7.504	7.478	7.524	VV	3171	56882	0.85%	0.069%
91	7.537	7.524	7.568	VV	1597	31314	0.47%	0.038%
92	7.636	7.568	7.664	VV	4468	119915	1.79%	0.145%
93	7.673	7.664	7.688	VV	1482	20521	0.31%	0.025%
94	7.721	7.688	7.734	VV	2189	48866	0.73%	0.059%
95	7.765	7.734	7.793	VV	3048	78322	1.17%	0.095%
96	7.811	7.793	7.872	VV	2959	92486	1.38%	0.112%
97	7.921	7.872	7.957	VV	5384	138768	2.07%	0.168%
98	7.971	7.957	7.988	VV	2146	37868	0.57%	0.046%
99	8.011	7.988	8.034	VV	2911	63073	0.94%	0.076%
100	8.067	8.034	8.141	VV	4280	195012	2.91%	0.236%
101	8.207	8.141	8.223	VV	3829	147221	2.20%	0.178%
102	8.248	8.223	8.293	VV	18667	324398	4.84%	0.392%
103	8.338	8.293	8.366	VV	7030	210968	3.15%	0.255%
104	8.391	8.366	8.420	VV	7545	173217	2.59%	0.209%
105	8.439	8.420	8.450	VV	5215	87709	1.31%	0.106%
106	8.480	8.450	8.508	VV	5802	186613	2.79%	0.226%
107	8.523	8.508	8.566	VV	6566	197330	2.95%	0.238%
108	8.600	8.566	8.609	VV	5913	139263	2.08%	0.168%
109	8.627	8.609	8.651	VV	7885	166436	2.48%	0.201%
110	8.675	8.651	8.724	VV	13289	365787	5.46%	0.442%
111	8.745	8.724	8.758	VV	7785	136841	2.04%	0.165%
112	8.778	8.758	8.834	VV	7898	289736	4.32%	0.350%
113	8.855	8.834	8.864	VV	6114	101055	1.51%	0.122%
114	8.906	8.864	8.927	VV	9083	278435	4.16%	0.337%
115	8.945	8.927	8.959	VV	10800	172647	2.58%	0.209%
116	8.976	8.959	8.997	VV	12446	222673	3.32%	0.269%
117	9.014	8.997	9.023	VV	9874	140857	2.10%	0.170%
118	9.043	9.023	9.094	VV	18790	516588	7.71%	0.624%
119	9.110	9.094	9.120	VV	7876	120136	1.79%	0.145%
120	9.141	9.120	9.158	VV	11111	217035	3.24%	0.262%
121	9.166	9.158	9.180	VV	9378	122432	1.83%	0.148%
122	9.201	9.180	9.228	VV	10706	266262	3.97%	0.322%
123	9.266	9.228	9.294	VV	11060	377665	5.64%	0.456%
124	9.357	9.294	9.376	VV	10244	461723	6.89%	0.558%
125	9.384	9.376	9.408	VV	9524	177760	2.65%	0.215%
126	9.434	9.408	9.461	VV	11099	313242	4.68%	0.379%
127	9.478	9.461	9.493	VV	9304	169252	2.53%	0.205%
128	9.525	9.493	9.536	VV	10195	248569	3.71%	0.300%
129	9.555	9.536	9.574	VV	12034	250175	3.73%	0.302%
130	9.590	9.574	9.618	VV	10744	264004	3.94%	0.319%
131	9.653	9.618	9.672	VV	12066	354919	5.30%	0.429%
132	9.684	9.672	9.694	VV	10582	137337	2.05%	0.166%
133	9.737	9.694	9.774	VV	14076	558341	8.33%	0.675%
134	9.815	9.774	9.836	VV	13256	448866	6.70%	0.542%
135	9.852	9.836	9.862	VV	11853	180332	2.69%	0.218%
136	9.892	9.862	9.929	VV	12397	474950	7.09%	0.574%
137	9.961	9.929	9.970	VV	11949	287285	4.29%	0.347%
138	9.999	9.970	10.059	VV	37209	961724	14.36%	1.162%
139	10.071	10.059	10.084	VV	13466	201026	3.00%	0.243%
140	10.095	10.084	10.112	VV	13454	220334	3.29%	0.266%
141	10.133	10.112	10.154	VV	16141	351610	5.25%	0.425%

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142	10.190	10.154	10.201	VV	13056	357560	5.34%	0.432%
143	10.238	10.201	10.249	VV	13304	375225	5.60%	0.453%
144	10.255	10.249	10.278	VV	13070	222335	3.32%	0.269%
145	10.331	10.278	10.348	VV	14034	569989	8.51%	0.689%
146	10.367	10.348	10.381	VV	14097	270252	4.03%	0.327%
147	10.400	10.381	10.414	VV	14733	280339	4.18%	0.339%
148	10.481	10.414	10.497	VV	15902	731601	10.92%	0.884%
149	10.522	10.497	10.547	VV	20229	511670	7.64%	0.618%
150	10.571	10.547	10.588	VV	16208	384906	5.75%	0.465%
151	10.611	10.588	10.629	VV	16965	403872	6.03%	0.488%
152	10.669	10.629	10.700	VV	18998	717237	10.71%	0.867%
153	10.740	10.700	10.756	VV	17502	558500	8.34%	0.675%
154	10.801	10.756	10.838	VV	22808	923715	13.79%	1.116%
155	10.850	10.838	10.861	VV	18652	251105	3.75%	0.303%
156	10.875	10.861	10.911	VV	19841	566348	8.45%	0.684%
157	10.947	10.911	10.994	VV	31774	1085409	16.20%	1.312%
158	11.009	10.994	11.056	VV	18883	680333	10.16%	0.822%
159	11.128	11.056	11.175	VV	21229	1351130	20.17%	1.633%
160	11.205	11.175	11.234	VV	25165	744342	11.11%	0.900%
161	11.255	11.234	11.295	VV	20744	726903	10.85%	0.878%
162	11.302	11.295	11.321	VV	19612	295988	4.42%	0.358%
163	11.359	11.321	11.378	VV	20303	656249	9.80%	0.793%
164	11.443	11.378	11.456	VV	20357	910749	13.59%	1.101%
165	11.477	11.456	11.494	VV	20503	449445	6.71%	0.543%
166	11.513	11.494	11.528	VV	20645	413167	6.17%	0.499%
167	11.550	11.528	11.566	VV	22132	479268	7.15%	0.579%
168	11.582	11.566	11.599	VV	22441	408174	6.09%	0.493%
169	11.608	11.599	11.628	VV	20329	352431	5.26%	0.426%
170	11.669	11.628	11.703	VV	26808	1038773	15.51%	1.255%
171	11.737	11.703	11.755	VV	19798	590836	8.82%	0.714%
172	11.786	11.755	11.816	VV	20279	722921	10.79%	0.874%
173	11.899	11.816	11.935	VV	495277	6699314	100.00%	8.096%
174	11.972	11.935	11.988	VV	22414	686835	10.25%	0.830%
175	11.999	11.988	12.014	VV	21927	343727	5.13%	0.415%
176	12.040	12.014	12.062	VV	23262	625321	9.33%	0.756%
177	12.083	12.062	12.098	VV	22149	471218	7.03%	0.569%
178	12.105	12.098	12.168	VV	21978	882762	13.18%	1.067%
179	12.197	12.168	12.214	VV	23113	587793	8.77%	0.710%
180	12.253	12.214	12.294	VV	23215	1028399	15.35%	1.243%
181	12.324	12.294	12.342	VV	21007	581928	8.69%	0.703%
182	12.355	12.342	12.371	VV	20852	357088	5.33%	0.432%
183	12.402	12.371	12.441	VV	20804	839373	12.53%	1.014%
184	12.468	12.441	12.488	VV	19927	537926	8.03%	0.650%
185	12.510	12.488	12.531	VV	21161	530616	7.92%	0.641%
186	12.562	12.531	12.600	VV	21087	830213	12.39%	1.003%
187	12.616	12.600	12.634	VV	19996	397885	5.94%	0.481%
188	12.673	12.634	12.708	VV	21636	859245	12.83%	1.038%
189	12.735	12.708	12.775	VV	19816	754177	11.26%	0.911%
190	12.837	12.775	12.878	VV	19587	1132961	16.91%	1.369%
191	12.899	12.878	12.932	VV	20180	614274	9.17%	0.742%
192	12.957	12.932	13.004	VV	28820	896615	13.38%	1.084%
193	13.013	13.004	13.040	VV	17627	363068	5.42%	0.439%
194	13.052	13.040	13.072	VV	16921	309733	4.62%	0.374%

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195	13.101	13.072	13.128	VV	16762	531277	7.93%	0.642%
196	13.160	13.128	13.223	VV	18764	913578	13.64%	1.104%
197	13.256	13.223	13.283	VV	24004	626025	9.34%	0.757%
198	13.344	13.283	13.410	VV	342474	5013845	74.84%	6.059%
199	13.444	13.410	13.474	VV	15641	557408	8.32%	0.674%
200	13.515	13.474	13.543	VV	15600	590474	8.81%	0.714%
201	13.555	13.543	13.577	VV	14734	281123	4.20%	0.340%
202	13.589	13.577	13.634	VV	13563	427701	6.38%	0.517%
203	13.676	13.634	13.699	VV	12677	464369	6.93%	0.561%
204	13.722	13.699	13.754	VV	11948	375942	5.61%	0.454%
205	13.777	13.754	13.799	VV	11404	292362	4.36%	0.353%
206	13.824	13.799	13.834	VV	11544	237908	3.55%	0.288%
207	13.849	13.834	13.898	VV	12038	400267	5.97%	0.484%
208	13.910	13.898	13.981	VV	10139	487496	7.28%	0.589%
209	13.997	13.981	14.031	VV	10482	291404	4.35%	0.352%
210	14.048	14.031	14.068	VV	10384	212607	3.17%	0.257%
211	14.098	14.068	14.231	VV	11606	868765	12.97%	1.050%
212	14.244	14.231	14.286	VV	7364	235059	3.51%	0.284%
213	14.313	14.286	14.348	VV	8671	271729	4.06%	0.328%
214	14.367	14.348	14.395	VV	6460	174881	2.61%	0.211%
215	14.416	14.395	14.441	VV	6022	158090	2.36%	0.191%
216	14.456	14.441	14.464	VV	5831	81277	1.21%	0.098%
217	14.524	14.464	14.548	VV	6500	309755	4.62%	0.374%
218	14.554	14.548	14.580	VV	6319	111282	1.66%	0.134%
219	14.600	14.580	14.639	VV	6457	194712	2.91%	0.235%
220	14.663	14.639	14.681	VV	5759	129457	1.93%	0.156%
221	14.687	14.681	14.709	VV	5264	82201	1.23%	0.099%
222	14.721	14.709	14.738	VV	4848	80227	1.20%	0.097%
223	14.771	14.738	14.809	VV	5169	188467	2.81%	0.228%
224	14.830	14.809	14.858	VV	5297	125519	1.87%	0.152%
225	14.907	14.858	14.938	VV	4334	176852	2.64%	0.214%
226	14.948	14.938	14.978	VV	3357	73541	1.10%	0.089%
227	14.984	14.978	14.999	VV	3002	36907	0.55%	0.045%
228	15.016	14.999	15.080	VV	2822	127763	1.91%	0.154%
229	15.099	15.080	15.115	VV	3057	56883	0.85%	0.069%
230	15.143	15.115	15.164	VV	8518	161905	2.42%	0.196%
231	15.183	15.164	15.234	VV	9668	226400	3.38%	0.274%
232	15.248	15.234	15.281	VV	3018	66539	0.99%	0.080%
233	15.302	15.281	15.324	VV	2450	54919	0.82%	0.066%
234	15.331	15.324	15.375	VV	2243	49729	0.74%	0.060%
235	15.396	15.375	15.433	VV	1560	40660	0.61%	0.049%
236	15.455	15.433	15.471	VV	1534	28330	0.42%	0.034%
237	15.490	15.471	15.561	VV	1326	51832	0.77%	0.063%
238	15.595	15.561	15.668	VV	10827	317022	4.73%	0.383%
239	15.677	15.668	15.704	VV	2095	37800	0.56%	0.046%
240	15.735	15.704	15.762	VV	2611	64732	0.97%	0.078%
241	15.795	15.762	15.841	VV	6345	142284	2.12%	0.172%
242	15.857	15.841	15.884	VV	1680	29076	0.43%	0.035%
243	15.909	15.884	15.922	VV	637	12205	0.18%	0.015%
244	15.961	15.922	15.970	VV	1328	27631	0.41%	0.033%
245	15.980	15.970	16.016	VV	1371	25932	0.39%	0.031%
246	16.048	16.016	16.084	VV	987	24630	0.37%	0.030%

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247	16.106	16.084	16.123	VV	682	11060	0.17%	0.013%
248	16.140	16.123	16.168	VV	728	13391	0.20%	0.016%
249	16.227	16.168	16.271	VV	1388	39923	0.60%	0.048%
250	16.292	16.271	16.335	VV	671	11788	0.18%	0.014%
251	16.349	16.335	16.391	PV	252	4202	0.06%	0.005%
252	16.427	16.391	16.478	PV	934	22677	0.34%	0.027%
253	16.522	16.478	16.550	PV	658	17066	0.25%	0.021%
254	16.568	16.550	16.581	VV	428	6360	0.09%	0.008%
255	16.622	16.581	16.641	VV	1222	25171	0.38%	0.030%
256	16.708	16.641	16.771	VV	13038	300650	4.49%	0.363%
257	16.788	16.771	16.810	VV	1275	19667	0.29%	0.024%
258	16.839	16.810	16.904	VV	3039	59668	0.89%	0.072%
259	16.914	16.904	16.931	VV	136	1829	0.03%	0.002%
260	17.030	16.931	17.064	PV	7848	147249	2.20%	0.178%
261	17.091	17.064	17.132	VV	7878	136564	2.04%	0.165%
262	17.189	17.132	17.208	VV	3963	100865	1.51%	0.122%
263	17.226	17.208	17.282	VV	5043	88277	1.32%	0.107%
264	17.296	17.282	17.311	VV	341	5287	0.08%	0.006%
265	17.370	17.311	17.384	VV	898	25408	0.38%	0.031%
266	17.405	17.384	17.432	VV	914	19977	0.30%	0.024%
267	17.515	17.432	17.535	VV	1725	48073	0.72%	0.058%
268	17.629	17.535	17.666	VV	3815	114010	1.70%	0.138%
269	17.715	17.666	17.727	VV	1020	25876	0.39%	0.031%
270	17.750	17.727	17.778	VV	1748	33848	0.51%	0.041%
271	17.798	17.778	17.821	VV	769	12656	0.19%	0.015%
272	17.869	17.821	17.886	VV	364	10046	0.15%	0.012%
273	17.920	17.886	17.936	VV	545	7150	0.11%	0.009%
274	17.968	17.936	18.001	PV	1104	20532	0.31%	0.025%
275	18.069	18.001	18.104	VV	4377	119233	1.78%	0.144%
276	18.166	18.104	18.194	VV	1523	48336	0.72%	0.058%
277	18.215	18.194	18.225	VV	1834	27891	0.42%	0.034%
278	18.250	18.225	18.277	VV	1934	48639	0.73%	0.059%
279	18.298	18.277	18.334	VV	2075	40181	0.60%	0.049%
280	18.390	18.334	18.415	VV	4207	92208	1.38%	0.111%
281	18.492	18.415	18.538	VV	7467	335676	5.01%	0.406%
282	18.547	18.538	18.562	VV	2391	32556	0.49%	0.039%
283	18.583	18.562	18.618	VV	2260	69680	1.04%	0.084%
284	18.632	18.618	18.685	VV	1917	61003	0.91%	0.074%
285	18.727	18.685	18.827	VV	5056	168893	2.52%	0.204%
286	18.901	18.827	18.948	VV	4502	106305	1.59%	0.128%
287	19.006	18.948	19.021	VV	1556	41163	0.61%	0.050%
288	19.060	19.021	19.126	VV	1882	81930	1.22%	0.099%
289	19.178	19.126	19.198	VV	1605	52975	0.79%	0.064%
290	19.221	19.198	19.241	VV	2137	44587	0.67%	0.054%
291	19.305	19.241	19.358	VV	5083	224270	3.35%	0.271%
292	19.435	19.358	19.448	VV	2962	140222	2.09%	0.169%
293	19.462	19.448	19.479	VV	2770	48852	0.73%	0.059%
294	19.504	19.479	19.537	VV	2885	90813	1.36%	0.110%
295	19.561	19.537	19.574	VV	2562	55334	0.83%	0.067%
296	19.692	19.574	19.731	VV	4883	275451	4.11%	0.333%
297	19.809	19.731	19.834	VV	4322	221827	3.31%	0.268%
298	19.917	19.834	19.929	VV	4749	240954	3.60%	0.291%
299	19.979	19.929	20.005	VV	5433	229459	3.43%	0.277%

rteres

300	20.062	20.005	20.144	VV	7727	493658	7.37%	0.597%
301	20.222	20.144	20.234	VV	6146	304115	4.54%	0.368%
302	20.310	20.234	20.321	VV	7557	363524	5.43%	0.439%
303	20.348	20.321	20.367	VV	7660	209588	3.13%	0.253%
304	20.433	20.367	20.471	VV	9095	497762	7.43%	0.602%
305	20.594	20.471	20.614	VV	10888	787523	11.76%	0.952%
306	20.657	20.614	20.668	VV	10441	330372	4.93%	0.399%
307	20.685	20.668	20.694	VV	10261	163151	2.44%	0.197%
308	20.718	20.694	20.728	VV	10236	204121	3.05%	0.247%
309	20.744	20.728	20.758	VV	10124	180867	2.70%	0.219%
310	20.794	20.758	20.828	VV	11452	457449	6.83%	0.553%
311	20.836	20.828	20.845	VV	11032	114269	1.71%	0.138%
312	20.864	20.845	20.877	VV	10933	207126	3.09%	0.250%
313	20.915	20.877	20.940	VV	11027	409290	6.11%	0.495%
314	20.977	20.940	21.023	VV	10682	525520	7.84%	0.635%
315	21.033	21.023	21.046	VV	10216	139977	2.09%	0.169%
316	21.081	21.046	21.127	VV	10229	485573	7.25%	0.587%
317	21.174	21.127	21.247	VV	10338	673431	10.05%	0.814%
318	21.327	21.247	21.337	VV	8341	439692	6.56%	0.531%
319	21.362	21.337	21.369	VV	8216	157445	2.35%	0.190%
320	21.410	21.369	21.444	VV	8198	361607	5.40%	0.437%
321	21.464	21.444	21.511	VV	7795	302796	4.52%	0.366%
322	21.517	21.511	21.553	VV	7319	176414	2.63%	0.213%
323	21.600	21.553	21.641	VV	7086	356680	5.32%	0.431%
324	21.650	21.641	21.658	VV	6555	68576	1.02%	0.083%
325	21.686	21.658	21.718	VV	6413	225152	3.36%	0.272%
326	21.729	21.718	21.742	VV	6258	91368	1.36%	0.110%
327	21.774	21.742	21.811	VV	6256	251985	3.76%	0.305%
328	21.821	21.811	22.001	VV	5888	548481	8.19%	0.663%
329	22.096	22.001	22.116	VV	4091	262875	3.92%	0.318%
330	22.162	22.116	22.171	VV	3655	122294	1.83%	0.148%
331	22.191	22.171	22.358	VV	3529	288745	4.31%	0.349%
332	22.367	22.358	22.381	VV	1431	19630	0.29%	0.024%
333	22.391	22.381	22.404	VV	1364	18320	0.27%	0.022%
334	22.418	22.404	22.534	VV	1239	55465	0.83%	0.067%
335	22.554	22.534	22.564	VV	122	1527	0.02%	0.002%

Sum of corrected areas: 82743657

Aliphatic EPH 032925.M Tue Apr 01 02:30:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053083.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 21:04
Operator : YP\AJ
Sample : Q1675-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K2

Integration File: autoint1.e
Quant Time: Apr 01 01:43:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.899	4806048	29.506 ug/ml
Spiked Amount 50.000		Recovery =	59.01%
12) S 1-chlorooctadecane (S...	13.343	3599127	29.982 ug/ml
Spiked Amount 50.000		Recovery =	59.96%
Target Compounds			

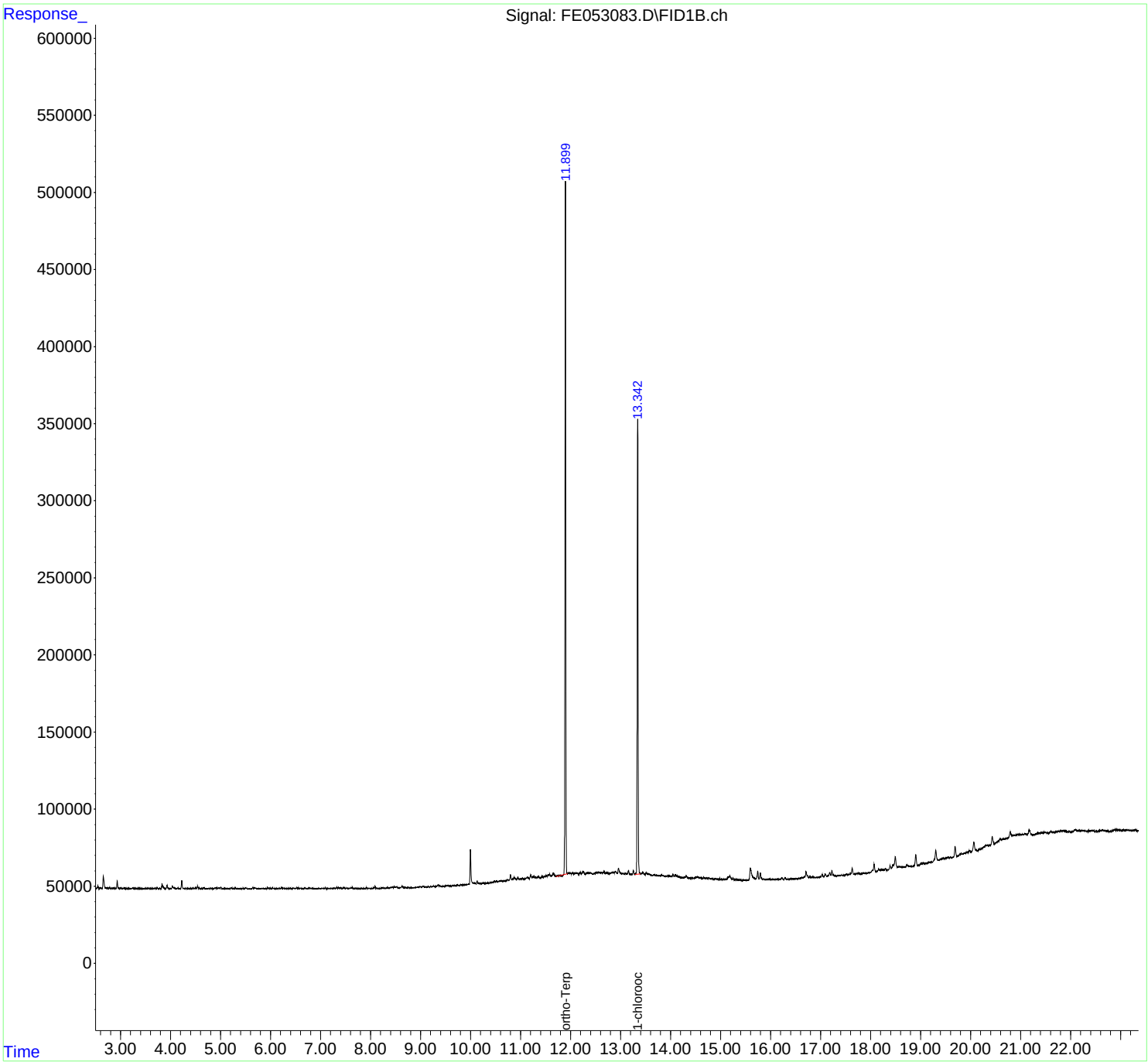
(f)=RT Delta > 1/2 Window (m)=manual int.

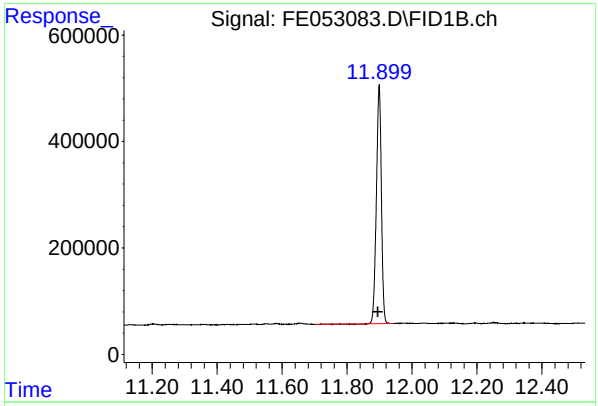
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053083.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 21:04
Operator : YP\AJ
Sample : Q1675-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K2

Integration File: autoint1.e
Quant Time: Apr 01 01:43:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

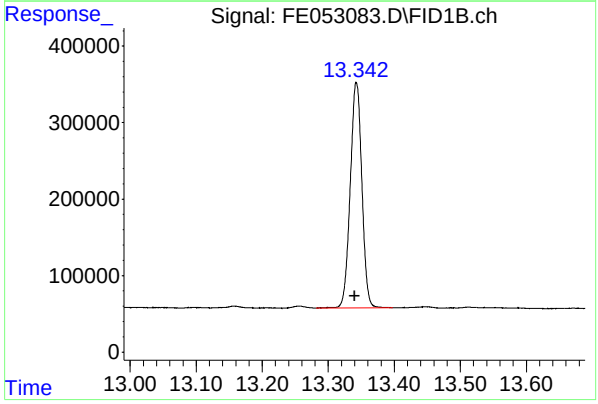




#9 ortho-Terphenyl (SURR)

R.T.: 11.899 min
Delta R.T.: 0.003 min
Response: 4806048
Conc: 29.51 ug/ml

Instrument :
FID_E
ClientSampleId :
K2



#12 1-chlorooctadecane (SURR)

R.T.: 13.343 min
Delta R.T.: 0.003 min
Response: 3599127
Conc: 29.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053083.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 21:04
Sample : Q1675-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.872	2.805	2.908	BV	179	2434	0.05%	0.007%
2	2.933	2.908	3.005	PV	4945	55997	1.06%	0.161%
3	3.019	3.005	3.038	VV	187	2398	0.05%	0.007%
4	3.052	3.038	3.089	PV	157	2706	0.05%	0.008%
5	3.127	3.089	3.145	VV	131	2984	0.06%	0.009%
6	3.164	3.145	3.218	VV	206	2914	0.06%	0.008%
7	3.240	3.218	3.305	VV	411	7966	0.15%	0.023%
8	3.314	3.305	3.328	PV	126	995	0.02%	0.003%
9	3.357	3.328	3.371	VV	269	3723	0.07%	0.011%
10	3.385	3.371	3.415	VV	258	4120	0.08%	0.012%
11	3.422	3.415	3.437	VV	162	1547	0.03%	0.004%
12	3.558	3.437	3.575	VV	268	9929	0.19%	0.029%
13	3.611	3.575	3.623	VV	213	4633	0.09%	0.013%
14	3.637	3.623	3.656	VV	179	2555	0.05%	0.007%
15	3.692	3.656	3.710	VV	229	5009	0.09%	0.014%
16	3.731	3.710	3.758	VV	501	7624	0.14%	0.022%
17	3.777	3.758	3.802	VV	230	3532	0.07%	0.010%
18	3.831	3.802	3.846	VV	3149	35483	0.67%	0.102%
19	3.853	3.846	3.906	VV	1510	19280	0.36%	0.056%
20	3.930	3.906	3.987	VV	2245	27700	0.52%	0.080%
21	4.038	3.987	4.132	VV	1900	40405	0.76%	0.117%
22	4.150	4.132	4.200	VV	304	7409	0.14%	0.021%
23	4.224	4.200	4.258	VV	5260	59460	1.12%	0.171%
24	4.274	4.258	4.289	VV	307	5044	0.10%	0.015%
25	4.303	4.289	4.325	VV	284	4445	0.08%	0.013%
26	4.341	4.325	4.361	VV	234	3927	0.07%	0.011%
27	4.366	4.361	4.382	VV	159	1914	0.04%	0.006%
28	4.392	4.382	4.422	VV	183	3684	0.07%	0.011%
29	4.443	4.422	4.476	VV	273	6616	0.12%	0.019%
30	4.503	4.476	4.520	VV	640	9470	0.18%	0.027%
31	4.541	4.520	4.598	VV	1845	28709	0.54%	0.083%
32	4.617	4.598	4.645	VV	337	5980	0.11%	0.017%
33	4.659	4.645	4.701	VV	646	13226	0.25%	0.038%
34	4.718	4.701	4.772	VV	186	6492	0.12%	0.019%
35	4.814	4.772	4.861	VV	271	12390	0.23%	0.036%
36	4.892	4.861	4.907	VV	614	10579	0.20%	0.031%

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37	4.922	4.907	4.946	VV	998	13990	0.26%	0.040%
38	4.966	4.946	4.988	VV	659	10174	0.19%	0.029%
39	5.006	4.988	5.059	VV	1108	17576	0.33%	0.051%
40	5.087	5.059	5.155	VV	437	10795	0.20%	0.031%
41	5.161	5.155	5.185	VV	226	3035	0.06%	0.009%
42	5.210	5.185	5.244	VV	731	14448	0.27%	0.042%
43	5.261	5.244	5.275	VV	324	4288	0.08%	0.012%
44	5.293	5.275	5.336	VV	901	12624	0.24%	0.036%
45	5.347	5.336	5.366	VV	157	1943	0.04%	0.006%
46	5.382	5.366	5.405	PV	109	1742	0.03%	0.005%
47	5.412	5.405	5.434	VV	113	1707	0.03%	0.005%
48	5.453	5.434	5.484	VV	563	9427	0.18%	0.027%
49	5.503	5.484	5.558	VV	623	11295	0.21%	0.033%
50	5.584	5.558	5.602	VV	119	1256	0.02%	0.004%
51	5.644	5.602	5.662	PV	952	11515	0.22%	0.033%
52	5.677	5.662	5.747	VV	735	20216	0.38%	0.058%
53	5.765	5.747	5.818	VV	193	6040	0.11%	0.017%
54	5.838	5.818	5.865	VV	387	7138	0.13%	0.021%
55	5.871	5.865	5.882	VV	186	1669	0.03%	0.005%
56	5.938	5.882	5.979	VV	806	16548	0.31%	0.048%
57	5.996	5.979	6.012	VV	429	5443	0.10%	0.016%
58	6.035	6.012	6.053	VV	588	6896	0.13%	0.020%
59	6.069	6.053	6.110	VV	243	6380	0.12%	0.018%
60	6.129	6.110	6.150	VV	274	4678	0.09%	0.013%
61	6.185	6.150	6.205	VV	277	7458	0.14%	0.022%
62	6.220	6.205	6.297	VV	858	20184	0.38%	0.058%
63	6.325	6.297	6.341	VV	275	5570	0.11%	0.016%
64	6.369	6.341	6.385	VV	396	7219	0.14%	0.021%
65	6.392	6.385	6.438	VV	394	8884	0.17%	0.026%
66	6.450	6.438	6.471	VV	299	4413	0.08%	0.013%
67	6.523	6.471	6.559	VV	626	17206	0.33%	0.050%
68	6.603	6.559	6.642	VV	380	12104	0.23%	0.035%
69	6.684	6.642	6.735	VV	557	11986	0.23%	0.035%
70	6.771	6.735	6.822	VV	570	14584	0.28%	0.042%
71	6.835	6.822	6.921	VV	298	7519	0.14%	0.022%
72	6.965	6.921	6.988	PV	292	5194	0.10%	0.015%
73	7.018	6.988	7.061	VV	290	6901	0.13%	0.020%
74	7.089	7.061	7.151	VV	418	10316	0.19%	0.030%
75	7.185	7.151	7.200	VV	174	4059	0.08%	0.012%
76	7.220	7.200	7.236	VV	337	4917	0.09%	0.014%
77	7.259	7.236	7.298	VV	276	7164	0.14%	0.021%
78	7.323	7.298	7.343	VV	1004	15354	0.29%	0.044%
79	7.361	7.343	7.385	VV	674	11516	0.22%	0.033%
80	7.406	7.385	7.438	VV	561	10422	0.20%	0.030%
81	7.460	7.438	7.495	VV	702	12518	0.24%	0.036%
82	7.505	7.495	7.552	VV	274	7345	0.14%	0.021%
83	7.577	7.552	7.594	VV	228	4321	0.08%	0.012%
84	7.609	7.594	7.618	VV	426	4470	0.08%	0.013%
85	7.634	7.618	7.685	VV	762	13111	0.25%	0.038%
86	7.707	7.685	7.740	VV	252	4344	0.08%	0.013%
87	7.751	7.740	7.785	VV	111	2292	0.04%	0.007%
88	7.809	7.785	7.851	PV	215	3417	0.06%	0.010%
89	7.860	7.851	7.880	VV	75	936	0.02%	0.003%

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90	7.918	7.880	7.991	VV	590	11317	0.21%	0.033%
91	8.006	7.991	8.018	PV	108	843	0.02%	0.002%
92	8.088	8.018	8.177	VV	1113	25749	0.49%	0.074%
93	8.245	8.177	8.297	VV	367	12410	0.23%	0.036%
94	8.337	8.297	8.368	PV	508	10555	0.20%	0.030%
95	8.419	8.368	8.426	VV	462	11176	0.21%	0.032%
96	8.440	8.426	8.457	VV	772	10793	0.20%	0.031%
97	8.486	8.457	8.504	VV	933	19767	0.37%	0.057%
98	8.520	8.504	8.580	VV	1024	21320	0.40%	0.061%
99	8.626	8.580	8.668	VV	1283	27893	0.53%	0.080%
100	8.674	8.668	8.701	VV	411	5949	0.11%	0.017%
101	8.716	8.701	8.730	VV	240	3125	0.06%	0.009%
102	8.747	8.730	8.768	VV	324	4165	0.08%	0.012%
103	8.784	8.768	8.827	VV	222	3968	0.07%	0.011%
104	8.848	8.827	8.864	PV	151	1535	0.03%	0.004%
105	8.948	8.864	8.961	VV	456	13945	0.26%	0.040%
106	8.995	8.961	9.023	VV	730	19751	0.37%	0.057%
107	9.060	9.023	9.114	VV	766	26644	0.50%	0.077%
108	9.132	9.114	9.151	VV	500	8705	0.16%	0.025%
109	9.169	9.151	9.185	VV	501	8781	0.17%	0.025%
110	9.203	9.185	9.236	VV	628	13936	0.26%	0.040%
111	9.264	9.236	9.311	VV	874	26538	0.50%	0.077%
112	9.351	9.311	9.419	VV	1599	54142	1.02%	0.156%
113	9.433	9.419	9.465	VV	570	13703	0.26%	0.040%
114	9.527	9.465	9.572	VV	1094	48698	0.92%	0.140%
115	9.637	9.572	9.658	VV	898	37250	0.70%	0.107%
116	9.678	9.658	9.694	VV	868	16136	0.30%	0.047%
117	9.731	9.694	9.769	VV	1231	42372	0.80%	0.122%
118	9.802	9.769	9.835	VV	1267	42391	0.80%	0.122%
119	9.857	9.835	9.875	VV	1206	27415	0.52%	0.079%
120	9.915	9.875	9.921	VV	1280	33933	0.64%	0.098%
121	9.941	9.921	9.950	VV	1438	23771	0.45%	0.069%
122	9.963	9.950	9.971	VV	1547	17125	0.32%	0.049%
123	9.999	9.971	10.058	VV	24237	367096	6.94%	1.059%
124	10.068	10.058	10.107	VV	2291	59278	1.12%	0.171%
125	10.132	10.107	10.186	VV	3577	107226	2.03%	0.309%
126	10.206	10.186	10.215	VV	1848	31458	0.59%	0.091%
127	10.239	10.215	10.269	VV	2070	63364	1.20%	0.183%
128	10.292	10.269	10.310	VV	2086	48595	0.92%	0.140%
129	10.323	10.310	10.335	VV	2079	29788	0.56%	0.086%
130	10.344	10.335	10.363	VV	2129	35138	0.66%	0.101%
131	10.399	10.363	10.413	VV	2318	64053	1.21%	0.185%
132	10.432	10.413	10.451	VV	2511	54444	1.03%	0.157%
133	10.474	10.451	10.497	VV	3181	78800	1.49%	0.227%
134	10.522	10.497	10.541	VV	3181	76355	1.44%	0.220%
135	10.614	10.541	10.630	VV	3391	164154	3.10%	0.473%
136	10.645	10.630	10.658	VV	3288	52094	0.98%	0.150%
137	10.669	10.658	10.697	VV	3175	73095	1.38%	0.211%
138	10.741	10.697	10.759	VV	3939	128834	2.43%	0.372%
139	10.800	10.759	10.823	VV	7164	184669	3.49%	0.533%
140	10.849	10.823	10.859	VV	4650	92741	1.75%	0.267%
141	10.876	10.859	10.914	VV	5275	147316	2.78%	0.425%

rteres

142	10.946	10.914	10.969	VV	4890	146561	2.77%	0.423%
143	10.979	10.969	10.988	VV	4112	46053	0.87%	0.133%
144	11.037	10.988	11.065	VV	4577	194904	3.68%	0.562%
145	11.134	11.065	11.177	VV	5101	301876	5.70%	0.871%
146	11.203	11.177	11.228	VV	6578	166713	3.15%	0.481%
147	11.253	11.228	11.290	VV	5777	195526	3.69%	0.564%
148	11.307	11.290	11.319	VV	5046	87270	1.65%	0.252%
149	11.360	11.319	11.381	VV	5630	188827	3.57%	0.545%
150	11.391	11.381	11.399	VV	4651	48687	0.92%	0.140%
151	11.437	11.399	11.457	VV	5368	179524	3.39%	0.518%
152	11.479	11.457	11.492	VV	5637	113301	2.14%	0.327%
153	11.512	11.492	11.532	VV	6169	137221	2.59%	0.396%
154	11.551	11.532	11.566	VV	6721	121247	2.29%	0.350%
155	11.581	11.566	11.616	VV	6987	184739	3.49%	0.533%
156	11.655	11.616	11.706	VV	7614	335417	6.34%	0.967%
157	11.735	11.706	11.759	VV	5888	181572	3.43%	0.524%
158	11.779	11.759	11.815	VV	6081	191652	3.62%	0.553%
159	11.899	11.815	11.941	VV	451225	5293078	100.00%	15.265%
160	11.972	11.941	11.989	VV	7414	208308	3.94%	0.601%
161	11.997	11.989	12.012	VV	7301	100921	1.91%	0.291%
162	12.036	12.012	12.061	VV	7636	206400	3.90%	0.595%
163	12.107	12.061	12.119	VV	7283	247408	4.67%	0.714%
164	12.137	12.119	12.166	VV	7275	192177	3.63%	0.554%
165	12.193	12.166	12.213	VV	7618	193483	3.66%	0.558%
166	12.253	12.213	12.290	VV	8261	331905	6.27%	0.957%
167	12.345	12.290	12.371	VV	7474	338530	6.40%	0.976%
168	12.392	12.371	12.448	VV	7241	312931	5.91%	0.902%
169	12.475	12.448	12.485	VV	6766	142975	2.70%	0.412%
170	12.511	12.485	12.531	VV	7419	197454	3.73%	0.569%
171	12.561	12.531	12.596	VV	7474	280038	5.29%	0.808%
172	12.616	12.596	12.635	VV	7157	163242	3.08%	0.471%
173	12.672	12.635	12.695	VV	8278	263366	4.98%	0.760%
174	12.737	12.695	12.774	VV	7065	321014	6.06%	0.926%
175	12.837	12.774	12.850	VV	7196	303716	5.74%	0.876%
176	12.870	12.850	12.881	VV	7298	131110	2.48%	0.378%
177	12.896	12.881	12.934	VV	7773	229087	4.33%	0.661%
178	12.959	12.934	13.031	VV	9697	419402	7.92%	1.210%
179	13.050	13.031	13.076	VV	6281	164916	3.12%	0.476%
180	13.098	13.076	13.123	VV	6363	169215	3.20%	0.488%
181	13.158	13.123	13.191	VV	8051	263583	4.98%	0.760%
182	13.208	13.191	13.230	VV	5847	133154	2.52%	0.384%
183	13.256	13.230	13.281	VV	7977	198445	3.75%	0.572%
184	13.343	13.281	13.405	VV	301445	4015364	75.86%	11.580%
185	13.447	13.405	13.473	VV	6928	253205	4.78%	0.730%
186	13.486	13.473	13.493	VV	5535	65099	1.23%	0.188%
187	13.512	13.493	13.545	VV	6532	181066	3.42%	0.522%
188	13.553	13.545	13.579	VV	5805	113439	2.14%	0.327%
189	13.586	13.579	13.631	VV	5357	153860	2.91%	0.444%
190	13.672	13.631	13.701	VV	4999	196672	3.72%	0.567%
191	13.725	13.701	13.749	VV	4737	128621	2.43%	0.371%
192	13.768	13.749	13.788	VV	4357	97906	1.85%	0.282%
193	13.817	13.788	13.833	VV	4815	120298	2.27%	0.347%
194	13.847	13.833	13.885	VV	4405	128124	2.42%	0.370%

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195	13.955	13.885	13.975	VV	4093	208449	3.94%	0.601%
196	13.999	13.975	14.025	VV	3968	113440	2.14%	0.327%
197	14.048	14.025	14.069	VV	5054	113268	2.14%	0.327%
198	14.096	14.069	14.116	VV	4929	118272	2.23%	0.341%
199	14.126	14.116	14.231	VV	3874	223643	4.23%	0.645%
200	14.250	14.231	14.280	VV	2847	79960	1.51%	0.231%
201	14.314	14.280	14.351	VV	4017	128010	2.42%	0.369%
202	14.369	14.351	14.401	VV	2532	69322	1.31%	0.200%
203	14.420	14.401	14.469	VV	2302	88562	1.67%	0.255%
204	14.531	14.469	14.581	VV	2925	171885	3.25%	0.496%
205	14.602	14.581	14.637	VV	2509	72234	1.36%	0.208%
206	14.662	14.637	14.710	VV	2556	89603	1.69%	0.258%
207	14.724	14.710	14.741	VV	2078	34968	0.66%	0.101%
208	14.765	14.741	14.811	VV	1966	72829	1.38%	0.210%
209	14.831	14.811	14.868	VV	1817	49319	0.93%	0.142%
210	14.909	14.868	14.976	VV	1497	80230	1.52%	0.231%
211	14.985	14.976	14.997	VV	1260	13267	0.25%	0.038%
212	15.042	14.997	15.080	VV	1069	45621	0.86%	0.132%
213	15.095	15.080	15.113	VV	1117	18358	0.35%	0.053%
214	15.147	15.113	15.165	VV	2709	56452	1.07%	0.163%
215	15.183	15.165	15.229	VV	3240	81610	1.54%	0.235%
216	15.248	15.229	15.288	VV	1484	31338	0.59%	0.090%
217	15.305	15.288	15.378	VV	750	26213	0.50%	0.076%
218	15.395	15.378	15.433	VV	594	9146	0.17%	0.026%
219	15.457	15.433	15.481	VV	317	5717	0.11%	0.016%
220	15.517	15.481	15.551	VV	321	5880	0.11%	0.017%
221	15.596	15.551	15.704	PV	8019	256987	4.86%	0.741%
222	15.742	15.704	15.768	VV	5667	99515	1.88%	0.287%
223	15.794	15.768	15.839	VV	4545	83979	1.59%	0.242%
224	15.859	15.839	15.888	VV	616	12105	0.23%	0.035%
225	15.908	15.888	15.924	VV	300	5126	0.10%	0.015%
226	15.987	15.924	16.014	VV	543	17104	0.32%	0.049%
227	16.053	16.014	16.087	VV	351	8506	0.16%	0.025%
228	16.112	16.087	16.131	VV	253	5261	0.10%	0.015%
229	16.146	16.131	16.158	VV	363	4465	0.08%	0.013%
230	16.191	16.158	16.201	VV	374	6885	0.13%	0.020%
231	16.227	16.201	16.265	VV	1198	19596	0.37%	0.057%
232	16.291	16.265	16.329	VV	1002	17015	0.32%	0.049%
233	16.339	16.329	16.344	VV	111	871	0.02%	0.003%
234	16.360	16.344	16.381	VV	223	2425	0.05%	0.007%
235	16.427	16.381	16.474	PV	272	8929	0.17%	0.026%
236	16.521	16.474	16.551	PV	323	7254	0.14%	0.021%
237	16.569	16.551	16.584	VV	256	3922	0.07%	0.011%
238	16.621	16.584	16.642	VV	726	17295	0.33%	0.050%
239	16.674	16.642	16.685	VV	1277	22235	0.42%	0.064%
240	16.710	16.685	16.768	VV	4367	96518	1.82%	0.278%
241	16.786	16.768	16.814	VV	1253	20486	0.39%	0.059%
242	16.841	16.814	16.866	VV	869	16619	0.31%	0.048%
243	16.873	16.866	16.899	VV	358	5355	0.10%	0.015%
244	16.908	16.899	16.923	VV	161	2136	0.04%	0.006%
245	16.936	16.923	16.962	VV	197	2260	0.04%	0.007%
246	17.001	16.962	17.010	PV	509	7294	0.14%	0.021%

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247	17.031	17.010	17.061	VV	1767	30300	0.57%	0.087%
248	17.094	17.061	17.128	VV	1968	38666	0.73%	0.112%
249	17.181	17.128	17.203	VV	2796	54909	1.04%	0.158%
250	17.226	17.203	17.248	VV	3820	56867	1.07%	0.164%
251	17.258	17.248	17.289	VV	1070	14836	0.28%	0.043%
252	17.371	17.289	17.383	VV	271	8442	0.16%	0.024%
253	17.417	17.383	17.435	VV	250	4891	0.09%	0.014%
254	17.466	17.435	17.478	PV	212	2716	0.05%	0.008%
255	17.515	17.478	17.541	VV	955	16458	0.31%	0.047%
256	17.556	17.541	17.571	VV	330	5103	0.10%	0.015%
257	17.631	17.571	17.683	VV	4301	81076	1.53%	0.234%
258	17.719	17.683	17.728	VV	539	8995	0.17%	0.026%
259	17.751	17.728	17.781	VV	677	13499	0.26%	0.039%
260	17.797	17.781	17.825	VV	196	3368	0.06%	0.010%
261	17.917	17.825	17.935	PV	221	9358	0.18%	0.027%
262	17.968	17.935	17.982	PV	214	3216	0.06%	0.009%
263	18.035	17.982	18.044	VV	1471	26425	0.50%	0.076%
264	18.069	18.044	18.102	VV	5154	83314	1.57%	0.240%
265	18.163	18.102	18.191	VV	1398	39157	0.74%	0.113%
266	18.213	18.191	18.231	VV	1222	21390	0.40%	0.062%
267	18.250	18.231	18.266	VV	843	14415	0.27%	0.042%
268	18.297	18.266	18.323	VV	1276	24042	0.45%	0.069%
269	18.389	18.323	18.413	VV	2585	51417	0.97%	0.148%
270	18.493	18.413	18.538	VV	8158	241921	4.57%	0.698%
271	18.548	18.538	18.561	VV	1410	18416	0.35%	0.053%
272	18.581	18.561	18.664	VV	1402	56549	1.07%	0.163%
273	18.729	18.664	18.831	VV	1570	67372	1.27%	0.194%
274	18.903	18.831	18.946	PV	7442	126579	2.39%	0.365%
275	19.008	18.946	19.035	VV	1004	25114	0.47%	0.072%
276	19.059	19.035	19.105	VV	913	27635	0.52%	0.080%
277	19.110	19.105	19.120	VV	310	3310	0.06%	0.010%
278	19.171	19.120	19.181	VV	658	18032	0.34%	0.052%
279	19.217	19.181	19.233	VV	700	18132	0.34%	0.052%
280	19.303	19.233	19.368	VV	7744	200985	3.80%	0.580%
281	19.458	19.368	19.474	VV	1508	83800	1.58%	0.242%
282	19.552	19.474	19.575	VV	1812	89221	1.69%	0.257%
283	19.600	19.575	19.631	VV	1354	39021	0.74%	0.113%
284	19.690	19.631	19.730	VV	7805	170784	3.23%	0.493%
285	19.803	19.730	19.825	VV	2372	102782	1.94%	0.296%
286	19.933	19.825	19.944	VV	2624	158069	2.99%	0.456%
287	19.978	19.944	20.005	VV	3108	99309	1.88%	0.286%
288	20.066	20.005	20.141	VV	8353	319406	6.03%	0.921%
289	20.307	20.141	20.328	VV	4527	379939	7.18%	1.096%
290	20.345	20.328	20.364	VV	4571	96226	1.82%	0.278%
291	20.433	20.364	20.477	VV	9593	387936	7.33%	1.119%
292	20.591	20.477	20.621	VV	7125	508538	9.61%	1.467%
293	20.664	20.621	20.688	VV	6632	262255	4.95%	0.756%
294	20.792	20.688	20.839	VV	10470	699868	13.22%	2.018%
295	20.900	20.839	20.914	VV	7731	342758	6.48%	0.989%
296	20.959	20.914	21.008	VV	7805	430701	8.14%	1.242%
297	21.032	21.008	21.049	VV	7314	179736	3.40%	0.518%
298	21.081	21.049	21.131	VV	7252	347740	6.57%	1.003%
299	21.172	21.131	21.247	VV	9239	495809	9.37%	1.430%

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300	21.485	21.247	21.564	VV	5902	1086048	20.52%	3.132%
301	21.604	21.564	21.640	VV	5735	236852	4.47%	0.683%
302	21.657	21.640	21.666	VV	4834	76628	1.45%	0.221%
303	21.813	21.666	21.826	VV	4750	453181	8.56%	1.307%
304	21.838	21.826	22.035	VV	4612	449264	8.49%	1.296%
305	22.094	22.035	22.138	VV	3702	196118	3.71%	0.566%
306	22.151	22.138	22.175	VV	2934	63553	1.20%	0.183%
307	22.208	22.175	22.218	VV	2484	63999	1.21%	0.185%
308	22.225	22.218	22.334	VV	2418	129979	2.46%	0.375%
309	22.432	22.334	22.500	VV	1008	92544	1.75%	0.267%
310	22.510	22.500	22.535	VV	222	2765	0.05%	0.008%

Sum of corrected areas: 34674203

Aliphatic EPH 032925.M Tue Apr 01 02:32:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053084.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 21:34
Operator : YP\AJ
Sample : Q1675-21
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K3

Integration File: autoint1.e
Quant Time: Apr 01 01:44:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.899	6146059	37.733 ug/ml
Spiked Amount 50.000		Recovery =	75.47%
12) S 1-chlorooctadecane (S...	13.344	4634958	38.610 ug/ml
Spiked Amount 50.000		Recovery =	77.22%
Target Compounds			

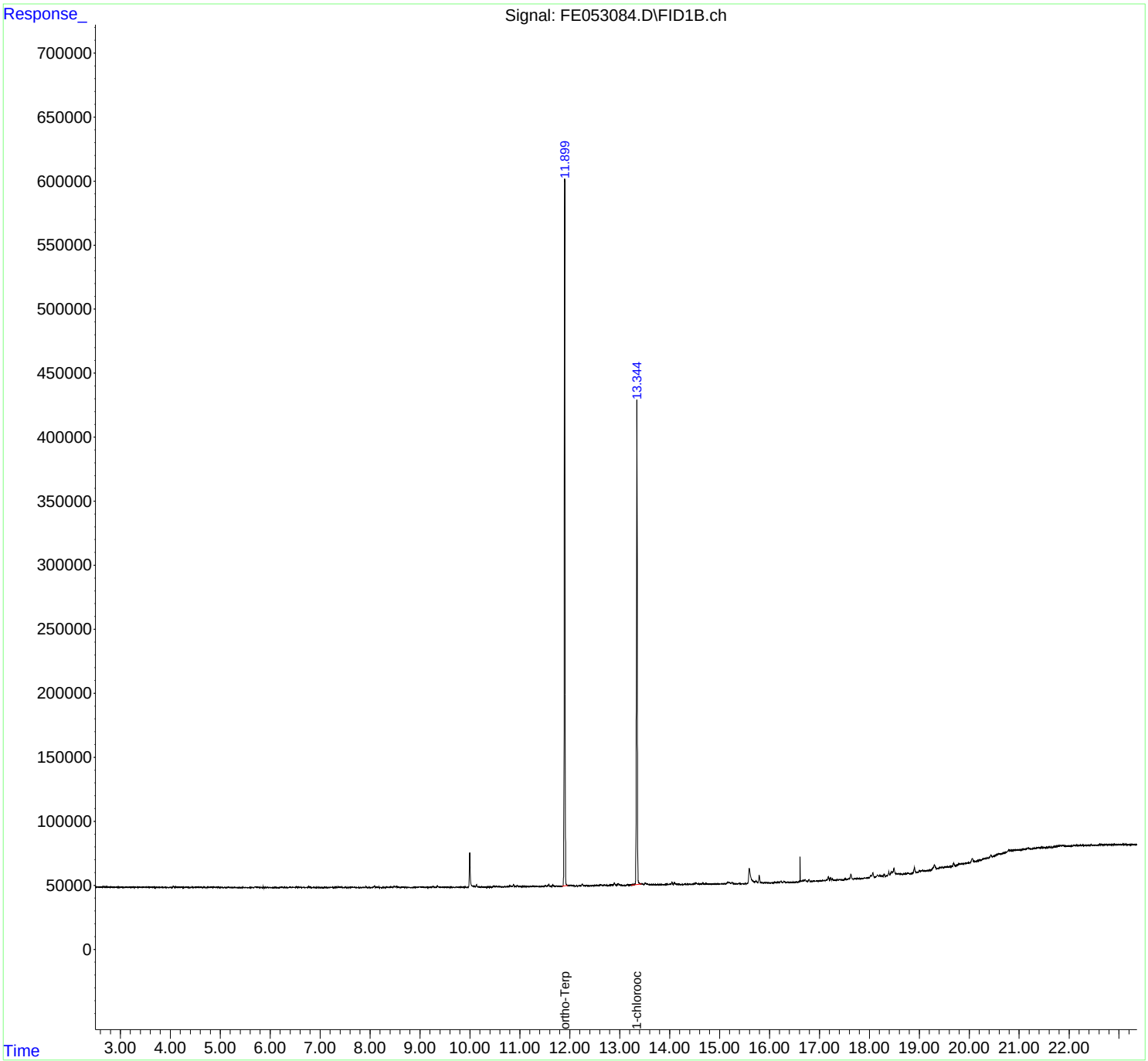
(f)=RT Delta > 1/2 Window (m)=manual int.

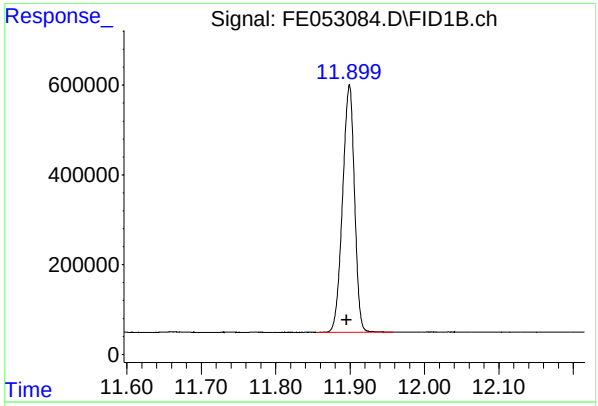
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053084.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 21:34
Operator : YP\AJ
Sample : Q1675-21
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
K3

Integration File: autoint1.e
Quant Time: Apr 01 01:44:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

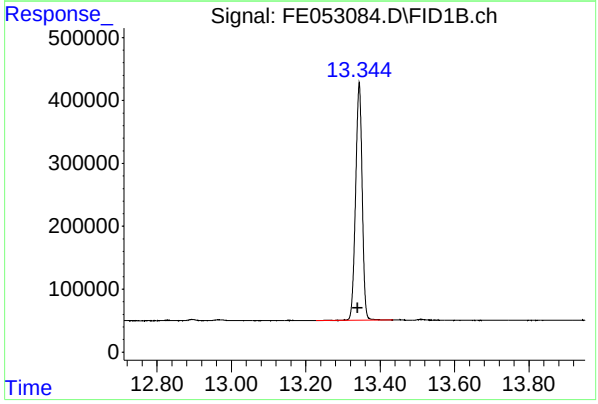




#9 ortho-Terphenyl (SURR)

R.T.: 11.899 min
Delta R.T.: 0.004 min
Response: 6146059
Conc: 37.73 ug/ml

Instrument :
FID_E
ClientSampleId :
K3



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: 0.004 min
Response: 4634958
Conc: 38.61 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053084.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 21:34
Sample : Q1675-21
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.804	2.861	BV	70	390	0.01%	0.002%
2	2.873	2.861	2.907	PV	127	1806	0.03%	0.009%
3	2.938	2.907	2.948	PV	220	2994	0.05%	0.014%
4	2.962	2.948	3.022	VV	268	5667	0.09%	0.027%
5	3.053	3.022	3.097	VV	186	4857	0.08%	0.023%
6	3.119	3.097	3.162	VV	170	4498	0.07%	0.021%
7	3.170	3.162	3.180	VV	88	833	0.01%	0.004%
8	3.190	3.180	3.208	VV	121	1563	0.03%	0.007%
9	3.248	3.208	3.296	VV	192	5593	0.09%	0.027%
10	3.305	3.296	3.315	VV	119	1020	0.02%	0.005%
11	3.331	3.315	3.342	VV	134	1543	0.02%	0.007%
12	3.403	3.342	3.458	VV	158	7650	0.12%	0.037%
13	3.465	3.458	3.565	VV	209	7840	0.13%	0.037%
14	3.574	3.565	3.583	PV	127	1075	0.02%	0.005%
15	3.602	3.583	3.612	VV	164	2193	0.04%	0.010%
16	3.621	3.612	3.631	VV	190	1473	0.02%	0.007%
17	3.639	3.631	3.694	VV	147	3697	0.06%	0.018%
18	3.716	3.694	3.768	VV	126	4182	0.07%	0.020%
19	3.832	3.768	3.848	VV	189	5073	0.08%	0.024%
20	3.858	3.848	3.901	VV	161	2611	0.04%	0.012%
21	3.932	3.901	3.988	VV	170	4092	0.07%	0.020%
22	4.004	3.988	4.018	VV	88	1054	0.02%	0.005%
23	4.059	4.018	4.142	PV	683	21299	0.34%	0.102%
24	4.151	4.142	4.166	VV	232	2571	0.04%	0.012%
25	4.224	4.166	4.259	VV	256	9170	0.15%	0.044%
26	4.273	4.259	4.321	VV	154	4799	0.08%	0.023%
27	4.336	4.321	4.359	VV	186	3687	0.06%	0.018%
28	4.367	4.359	4.414	VV	185	3593	0.06%	0.017%
29	4.427	4.414	4.483	VV	274	4735	0.08%	0.023%
30	4.503	4.483	4.529	VV	461	6005	0.10%	0.029%
31	4.540	4.529	4.566	VV	187	3646	0.06%	0.017%
32	4.578	4.566	4.608	VV	190	3764	0.06%	0.018%
33	4.619	4.608	4.647	VV	185	2955	0.05%	0.014%
34	4.675	4.647	4.705	VV	452	6895	0.11%	0.033%
35	4.719	4.705	4.768	VV	138	4149	0.07%	0.020%
36	4.815	4.768	4.876	VV	282	12209	0.20%	0.058%

rteres

37	4.891	4.876	4.902	VV	193	2731	0.04%	0.013%
38	4.918	4.902	4.958	VV	225	5581	0.09%	0.027%
39	4.963	4.958	5.080	VV	207	7867	0.13%	0.038%
40	5.092	5.080	5.131	VV	101	1431	0.02%	0.007%
41	5.170	5.131	5.211	VV	276	5110	0.08%	0.024%
42	5.232	5.211	5.244	VV	92	1247	0.02%	0.006%
43	5.305	5.244	5.321	VV	94	2577	0.04%	0.012%
44	5.331	5.321	5.424	VV	77	2639	0.04%	0.013%
45	5.454	5.424	5.558	VV	434	10864	0.18%	0.052%
46	5.585	5.558	5.615	PV	69	1229	0.02%	0.006%
47	5.648	5.615	5.669	PV	160	2958	0.05%	0.014%
48	5.696	5.669	5.808	VV	651	20409	0.33%	0.097%
49	5.830	5.808	5.851	VV	146	3064	0.05%	0.015%
50	5.861	5.851	5.915	VV	380	4332	0.07%	0.021%
51	5.941	5.915	5.977	VV	122	3572	0.06%	0.017%
52	6.022	5.977	6.148	VV	178	9237	0.15%	0.044%
53	6.162	6.148	6.185	VV	108	2302	0.04%	0.011%
54	6.227	6.185	6.264	VV	261	7591	0.12%	0.036%
55	6.287	6.264	6.311	VV	134	3628	0.06%	0.017%
56	6.328	6.311	6.367	VV	189	4603	0.07%	0.022%
57	6.393	6.367	6.468	VV	248	10813	0.17%	0.052%
58	6.474	6.468	6.494	VV	215	2692	0.04%	0.013%
59	6.524	6.494	6.654	VV	602	21599	0.35%	0.103%
60	6.681	6.654	6.721	VV	222	6193	0.10%	0.030%
61	6.772	6.721	7.058	VV	533	28134	0.46%	0.134%
62	7.084	7.058	7.148	PV	136	2835	0.05%	0.014%
63	7.183	7.148	7.196	VV	122	2332	0.04%	0.011%
64	7.226	7.196	7.290	VV	206	6279	0.10%	0.030%
65	7.362	7.290	7.451	VV	667	20486	0.33%	0.098%
66	7.467	7.451	7.482	VV	123	2105	0.03%	0.010%
67	7.635	7.482	7.724	VV	353	21268	0.34%	0.102%
68	7.755	7.724	7.871	VV	141	5455	0.09%	0.026%
69	7.917	7.871	8.010	PV	747	13003	0.21%	0.062%
70	8.088	8.010	8.124	VV	1368	26629	0.43%	0.127%
71	8.139	8.124	8.235	VV	223	9964	0.16%	0.048%
72	8.256	8.235	8.280	VV	166	2726	0.04%	0.013%
73	8.337	8.280	8.355	VV	311	6460	0.10%	0.031%
74	8.412	8.355	8.461	VV	522	18137	0.29%	0.087%
75	8.484	8.461	8.503	VV	1140	17625	0.29%	0.084%
76	8.519	8.503	8.602	VV	868	20922	0.34%	0.100%
77	8.659	8.602	8.798	VV	244	16646	0.27%	0.079%
78	8.883	8.798	8.905	PV	156	5953	0.10%	0.028%
79	8.998	8.905	9.038	VV	598	22880	0.37%	0.109%
80	9.058	9.038	9.097	VV	494	10765	0.17%	0.051%
81	9.132	9.097	9.181	VV	260	8213	0.13%	0.039%
82	9.263	9.181	9.318	VV	670	21299	0.34%	0.102%
83	9.350	9.318	9.508	VV	1071	32569	0.53%	0.156%
84	9.531	9.508	9.664	VV	227	7906	0.13%	0.038%
85	9.731	9.664	9.761	PV	417	7705	0.12%	0.037%
86	9.807	9.761	9.844	VV	205	7805	0.13%	0.037%
87	9.884	9.844	9.944	VV	222	8559	0.14%	0.041%
88	9.998	9.944	10.108	VV	26907	372176	6.02%	1.777%
89	10.132	10.108	10.221	VV	2072	42309	0.68%	0.202%

rteres

90	10.236	10.221	10.261	VV	448	7131	0.12%	0.034%
91	10.281	10.261	10.396	VV	234	8641	0.14%	0.041%
92	10.475	10.396	10.499	PV	942	17297	0.28%	0.083%
93	10.522	10.499	10.548	VV	707	13672	0.22%	0.065%
94	10.574	10.548	10.638	VV	410	17314	0.28%	0.083%
95	10.666	10.638	10.700	VV	249	7172	0.12%	0.034%
96	10.801	10.700	10.844	VV	1166	35788	0.58%	0.171%
97	10.875	10.844	10.921	VV	1900	34096	0.55%	0.163%
98	10.946	10.921	10.991	VV	918	21348	0.35%	0.102%
99	11.008	10.991	11.074	VV	348	10171	0.16%	0.049%
100	11.095	11.074	11.124	VV	270	5799	0.09%	0.028%
101	11.133	11.124	11.170	VV	200	3757	0.06%	0.018%
102	11.212	11.170	11.234	PV	403	9096	0.15%	0.043%
103	11.272	11.234	11.318	VV	434	14537	0.24%	0.069%
104	11.327	11.318	11.418	VV	289	10376	0.17%	0.050%
105	11.442	11.418	11.463	VV	224	3745	0.06%	0.018%
106	11.512	11.463	11.534	VV	1055	15589	0.25%	0.074%
107	11.581	11.534	11.631	VV	1892	36117	0.58%	0.172%
108	11.664	11.631	11.714	VV	1016	21496	0.35%	0.103%
109	11.739	11.714	11.757	VV	414	5330	0.09%	0.025%
110	11.774	11.757	11.798	VV	327	3806	0.06%	0.018%
111	11.898	11.798	11.987	PV	545475	6180042	100.00%	29.509%
112	12.032	11.987	12.114	VV	769	33549	0.54%	0.160%
113	12.131	12.114	12.168	VV	360	5514	0.09%	0.026%
114	12.190	12.168	12.218	VV	441	8235	0.13%	0.039%
115	12.252	12.218	12.289	VV	1666	29859	0.48%	0.143%
116	12.343	12.289	12.440	VV	698	18583	0.30%	0.089%
117	12.535	12.440	12.554	VV	450	17139	0.28%	0.082%
118	12.613	12.554	12.684	VV	759	35979	0.58%	0.172%
119	12.709	12.684	12.764	VV	607	18937	0.31%	0.090%
120	12.830	12.764	12.864	VV	764	23911	0.39%	0.114%
121	12.895	12.864	12.934	VV	2134	35942	0.58%	0.172%
122	12.967	12.934	13.078	VV	1650	46161	0.75%	0.220%
123	13.157	13.078	13.190	VV	520	19687	0.32%	0.094%
124	13.257	13.190	13.278	VV	778	20230	0.33%	0.097%
125	13.343	13.278	13.434	VV	381771	4693615	75.95%	22.412%
126	13.454	13.434	13.488	VV	1336	29728	0.48%	0.142%
127	13.511	13.488	13.603	VV	1958	61250	0.99%	0.292%
128	13.633	13.603	13.663	VV	433	15518	0.25%	0.074%
129	13.689	13.663	13.764	VV	478	24779	0.40%	0.118%
130	13.776	13.764	13.821	VV	416	11692	0.19%	0.056%
131	13.853	13.821	13.891	VV	446	14572	0.24%	0.070%
132	13.950	13.891	13.988	VV	585	24817	0.40%	0.118%
133	14.048	13.988	14.074	VV	2102	41177	0.67%	0.197%
134	14.097	14.074	14.164	VV	1978	40476	0.65%	0.193%
135	14.187	14.164	14.227	VV	303	9237	0.15%	0.044%
136	14.253	14.227	14.281	VV	169	5546	0.09%	0.026%
137	14.319	14.281	14.340	VV	411	9424	0.15%	0.045%
138	14.362	14.340	14.430	VV	384	12505	0.20%	0.060%
139	14.533	14.430	14.594	VV	1346	53673	0.87%	0.256%
140	14.608	14.594	14.633	VV	492	9134	0.15%	0.044%
141	14.661	14.633	14.704	VV	1218	24360	0.39%	0.116%

rteres

142	14.722	14.704	14.843	VV	573	23452	0.38%	0.112%
143	14.910	14.843	14.931	VV	216	8440	0.14%	0.040%
144	14.952	14.931	14.994	VV	259	6380	0.10%	0.030%
145	15.048	14.994	15.078	VV	349	10940	0.18%	0.052%
146	15.093	15.078	15.121	VV	312	6441	0.10%	0.031%
147	15.167	15.121	15.226	VV	1364	53167	0.86%	0.254%
148	15.249	15.226	15.364	VV	1321	30266	0.49%	0.145%
149	15.396	15.364	15.444	PV	529	8373	0.14%	0.040%
150	15.594	15.444	15.708	PV	11761	369199	5.97%	1.763%
151	15.729	15.708	15.762	VV	1824	45200	0.73%	0.216%
152	15.793	15.762	15.934	VV	6070	115556	1.87%	0.552%
153	15.984	15.934	16.008	VV	190	6989	0.11%	0.033%
154	16.040	16.008	16.068	VV	172	4812	0.08%	0.023%
155	16.139	16.068	16.161	VV	427	14700	0.24%	0.070%
156	16.227	16.161	16.262	VV	1235	29716	0.48%	0.142%
157	16.292	16.262	16.338	VV	964	18236	0.30%	0.087%
158	16.358	16.338	16.380	VV	158	3737	0.06%	0.018%
159	16.428	16.380	16.451	PV	110	4042	0.07%	0.019%
160	16.613	16.451	16.641	PV	4636	32669	0.53%	0.156%
161	16.710	16.641	16.755	VV	1880	59730	0.97%	0.285%
162	16.789	16.755	16.824	VV	1536	26321	0.43%	0.126%
163	16.874	16.824	16.914	VV	261	7605	0.12%	0.036%
164	16.941	16.914	16.958	VV	135	2501	0.04%	0.012%
165	17.095	16.958	17.114	PV	391	14338	0.23%	0.068%
166	17.178	17.114	17.202	VV	3141	57984	0.94%	0.277%
167	17.225	17.202	17.321	VV	2214	53410	0.86%	0.255%
168	17.333	17.321	17.354	VV	248	3063	0.05%	0.015%
169	17.413	17.354	17.434	VV	241	8405	0.14%	0.040%
170	17.515	17.434	17.534	PV	875	12432	0.20%	0.059%
171	17.629	17.534	17.688	VV	4034	82973	1.34%	0.396%
172	17.720	17.688	17.781	VV	486	15375	0.25%	0.073%
173	17.794	17.781	17.814	VV	133	1852	0.03%	0.009%
174	17.899	17.814	17.915	PV	127	3571	0.06%	0.017%
175	18.029	17.915	18.048	PV	1734	34541	0.56%	0.165%
176	18.068	18.048	18.104	VV	3777	59685	0.97%	0.285%
177	18.162	18.104	18.191	VV	1625	35938	0.58%	0.172%
178	18.212	18.191	18.261	VV	945	26250	0.42%	0.125%
179	18.296	18.261	18.331	VV	1458	26512	0.43%	0.127%
180	18.389	18.331	18.411	VV	2625	44904	0.73%	0.214%
181	18.446	18.411	18.464	VV	3073	69878	1.13%	0.334%
182	18.492	18.464	18.668	VV	5498	178451	2.89%	0.852%
183	18.725	18.668	18.744	VV	462	14849	0.24%	0.071%
184	18.786	18.744	18.821	VV	520	14193	0.23%	0.068%
185	18.902	18.821	18.948	PV	4193	76061	1.23%	0.363%
186	19.008	18.948	19.034	VV	1114	29443	0.48%	0.141%
187	19.063	19.034	19.124	VV	973	34129	0.55%	0.163%
188	19.302	19.124	19.364	VV	4096	155834	2.52%	0.744%
189	19.456	19.364	19.478	VV	1074	69789	1.13%	0.333%
190	19.559	19.478	19.574	VV	958	52016	0.84%	0.248%
191	19.690	19.574	19.725	VV	3051	103441	1.67%	0.494%
192	19.801	19.725	19.834	VV	1934	90364	1.46%	0.431%
193	20.060	19.834	20.104	VV	4492	313219	5.07%	1.496%
194	20.433	20.104	20.464	VV	4778	583266	9.44%	2.785%

rteres

195	20.594	20.464	20.614	VV	4952	377328	6.11%	1.802%
196	20.793	20.614	20.831	VV	6693	701847	11.36%	3.351%
197	21.173	20.831	21.234	VV	6067	1371872	22.20%	6.551%
198	21.481	21.234	21.548	VV	4668	895450	14.49%	4.276%
199	21.601	21.548	21.637	VV	4238	217095	3.51%	1.037%
200	21.829	21.637	21.846	VV	3884	489667	7.92%	2.338%
201	21.863	21.846	21.948	VV	3662	204339	3.31%	0.976%
202	21.966	21.948	22.031	VV	2925	134223	2.17%	0.641%
203	22.169	22.031	22.183	VV	2172	210157	3.40%	1.003%
204	22.235	22.183	22.328	VV	1925	144151	2.33%	0.688%
205	22.435	22.328	22.510	VV	809	87738	1.42%	0.419%
206	22.526	22.510	22.538	VV	206	2212	0.04%	0.011%

Sum of corrected areas: 20942860

Aliphatic EPH 032925.M Tue Apr 01 02:31:42 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053071.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 15:01
Operator : YP\AJ
Sample : PB167382BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167382BL

Integration File: autoint1.e
Quant Time: Apr 01 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.901	6391951	39.243 ug/ml
Spiked Amount 50.000		Recovery =	78.49%
12) S 1-chlorooctadecane (S...	13.346	4638531	38.640 ug/ml
Spiked Amount 50.000		Recovery =	77.28%
Target Compounds			

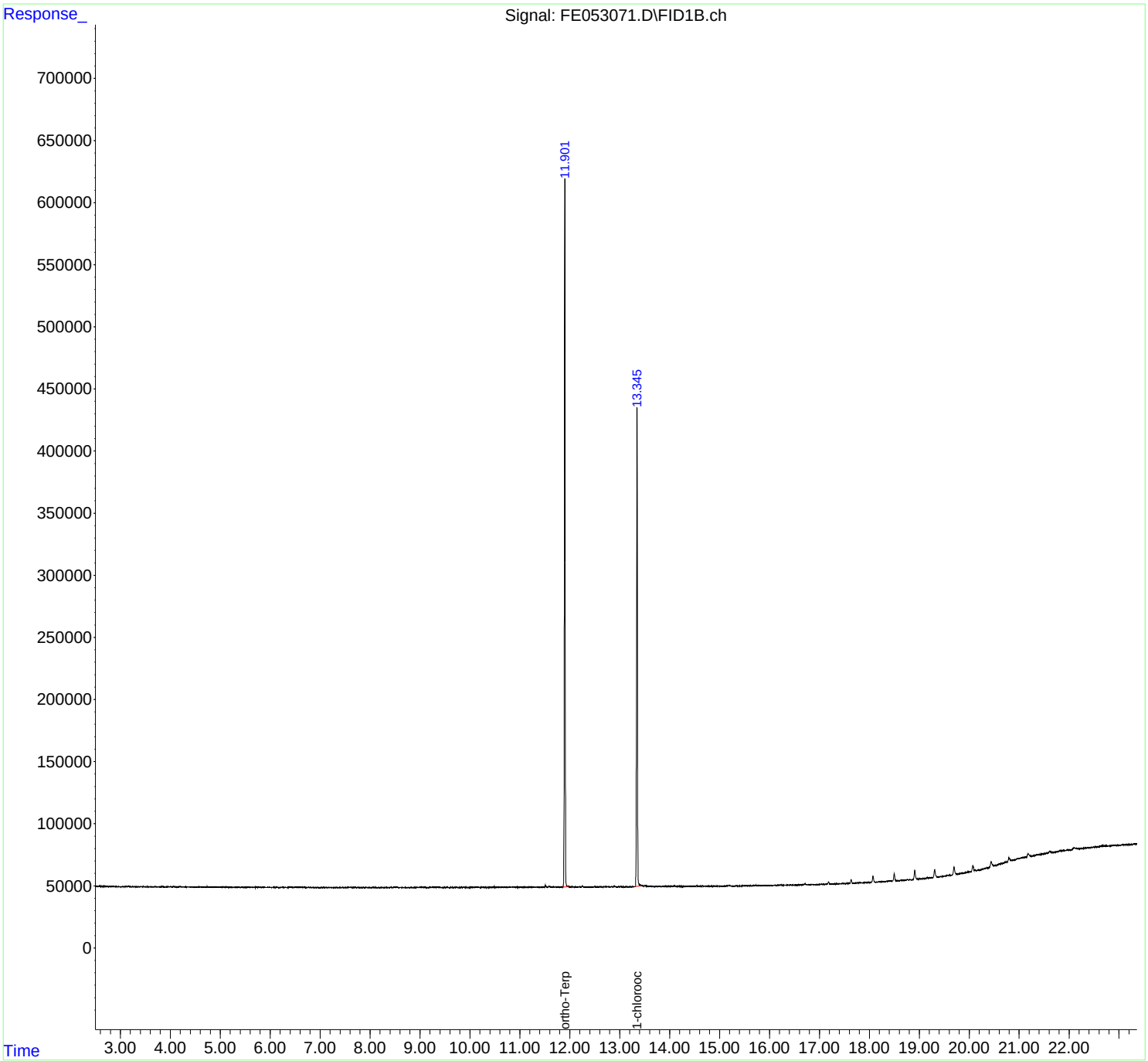
(f)=RT Delta > 1/2 Window (m)=manual int.

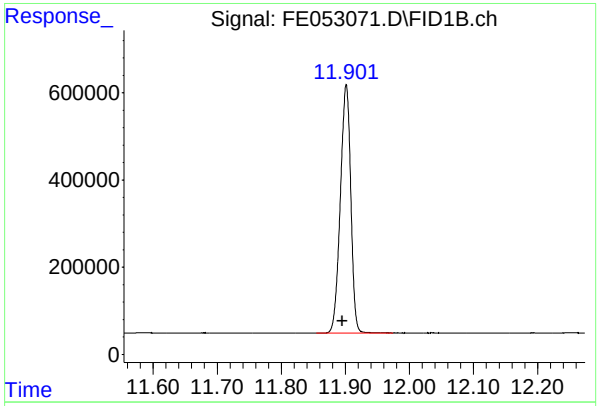
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053071.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 15:01
Operator : YP\AJ
Sample : PB167382BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167382BL

Integration File: autoint1.e
Quant Time: Apr 01 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

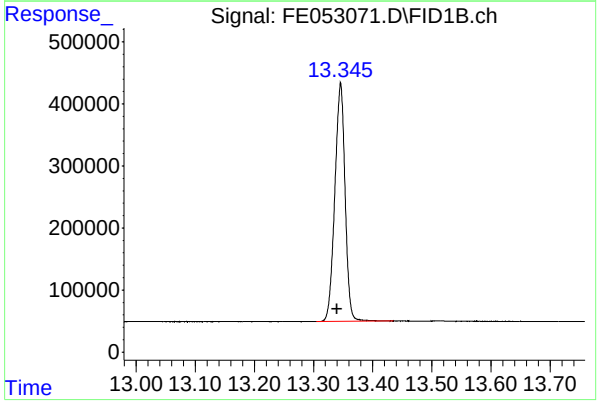




#9 ortho-Terphenyl (SURR)

R.T.: 11.901 min
Delta R.T.: 0.006 min
Response: 6391951
Conc: 39.24 ug/ml

Instrument :
FID_E
ClientSampleId :
PB167382BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min
Delta R.T.: 0.006 min
Response: 4638531
Conc: 38.64 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053071.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 15:01
Sample : PB167382BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.901	11.854	11.974	BB	569988	6391951	100.00%	57.948%
2	13.346	13.304	13.434	BB	378692	4638531	72.57%	42.052%
			Sum of corrected areas:			11030482		

Aliphatic EPH 032925.M Tue Apr 01 02:18:06 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053072.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 15:31
Operator : YP\AJ
Sample : PB167382BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Apr 01 01:39:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
PB167382BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.900	6480100	39.784 ug/ml
Spiked Amount	50.000		Recovery =	79.57%
12) S	1-chlorooctadecane (S...	13.345	4851572	40.415 ug/ml
Spiked Amount	50.000		Recovery =	80.83%
	Target Compounds			
1) T	n-Nonane (C9)	3.263	6375407	41.174 ug/ml
2) T	n-Decane (C10)	4.514	6629976	42.267 ug/ml
3) T	A~Naphthalene (C11.7)	6.219	6980127	41.551 ug/ml
4) T	n-Dodecane (C12)	6.686	6646865	42.499 ug/ml
5) T	A~2-methylnaphthalene...	7.320	6197820	38.843 ug/ml
6) T	n-Tetradecane (C14)	8.523	6445999	42.099 ug/ml
7) T	n-Hexadecane (C16)	10.136	6378774	41.381 ug/ml
8) T	n-Octadecane (C18)	11.585	6170601	40.686 ug/ml
10) T	n-Eicosane (C20)	12.899	6186452	43.391 ug/ml
11) T	n-Heneicosane (C21)	13.513	5879319	42.367 ug/ml
13) T	n-Docosane (C22)	14.102	5796376	42.323 ug/ml
14) T	n-Tetracosane (C24)	15.198	12165576	90.076 ug/ml
15) T	n-Hexacosane (C26)	16.233	5671138	42.510 ug/ml
16) T	n-Octacosane (C28)	17.185	6021781	45.631 ug/ml
17) T	n-Tricontane (C30)	18.077	5791170	42.727 ug/ml
18) T	n-Dotriacontane (C32)	18.910	5678080	42.196 ug/mlm
19) T	n-Tetratriacontane (C34)	19.698	5619862	43.431 ug/ml
20) T	n-Hexatriacontane (C36)	20.439	5140386	43.273 ug/ml
21) T	n-Octatriacontane (C38)	21.180	4626671	40.254 ug/ml
22) T	n-Tetracontane (C40)	22.098	3942858	35.106 ug/ml

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

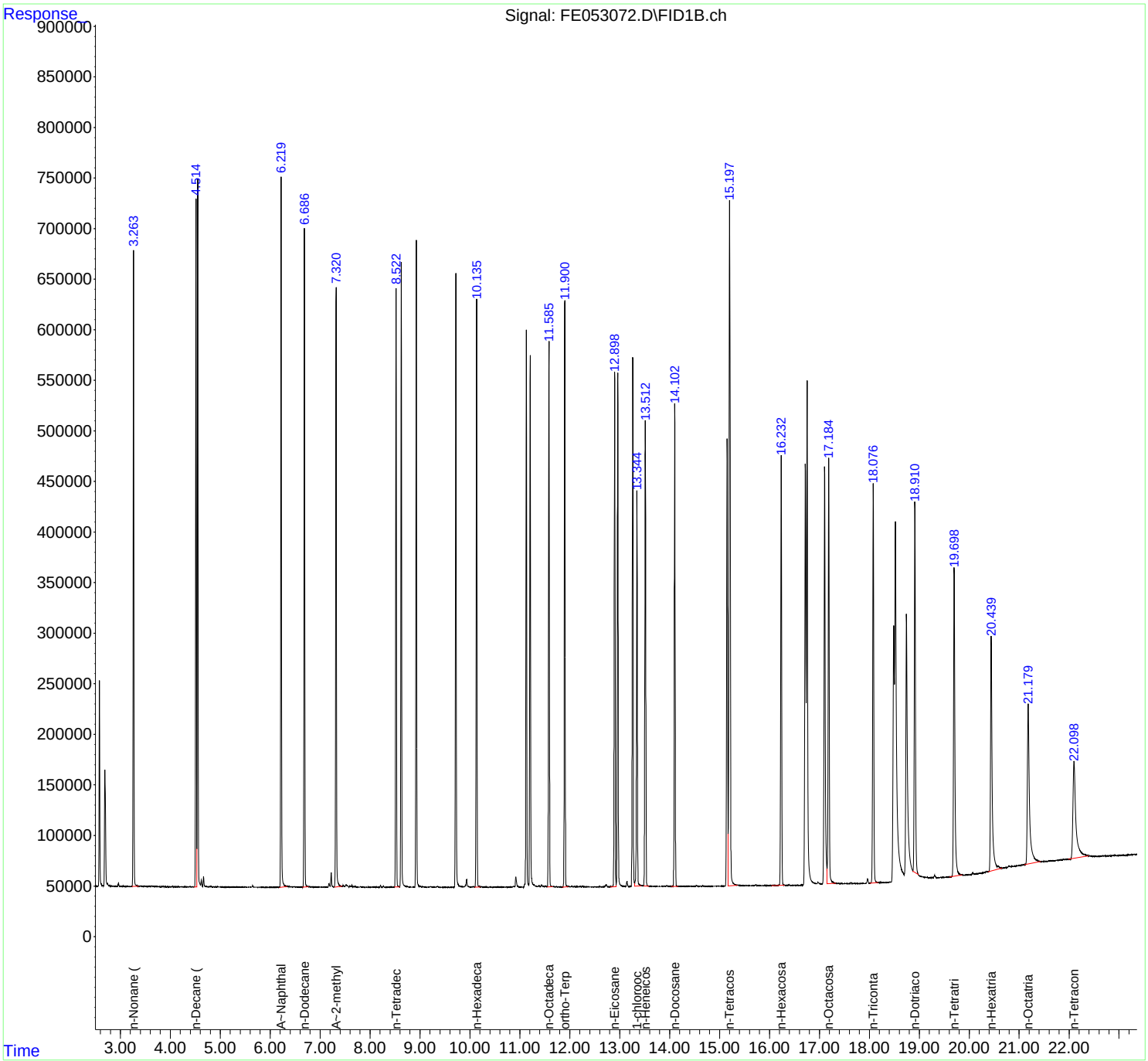
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053072.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 15:31
Operator : YP\AJ
Sample : PB167382BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167382BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 01:39:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



8

Instrument :
FID_E
ClientSampleId :
PB167382BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE03312
Data File : FE053072.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 15:31
Sample : PB167382BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.263	3.228	3.364	BB	629008	6375407	52.41%	2.762%
2	4.514	4.471	4.531	BV	681594	6629976	54.50%	2.872%
3	4.549	4.531	4.603	VV	698075	7067749	58.10%	3.061%
4	6.219	6.188	6.341	BB	690558	6980127	57.38%	3.023%
5	6.686	6.644	6.768	BB	650892	6646865	54.64%	2.879%
6	7.320	7.281	7.438	PV	593366	6197820	50.95%	2.685%
7	8.523	8.484	8.594	BV	584345	6445999	52.99%	2.792%
8	8.627	8.594	8.734	VB	621190	6535845	53.72%	2.831%
9	8.928	8.888	9.021	BB	639390	6594428	54.21%	2.856%
10	9.720	9.681	9.848	BB	610261	6495919	53.40%	2.814%
11	10.136	10.091	10.211	BB	579941	6378774	52.43%	2.763%
12	11.132	11.071	11.178	BV	547296	6092703	50.08%	2.639%
13	11.209	11.178	11.338	VB	524028	6072457	49.92%	2.630%
14	11.585	11.544	11.661	BB	536514	6170601	50.72%	2.673%
15	11.900	11.854	11.971	BB	579293	6480100	53.27%	2.807%
16	12.899	12.814	12.929	BV	503753	6186452	50.85%	2.680%
17	12.961	12.929	13.081	VB	508098	6084751	50.02%	2.636%
18	13.261	13.204	13.299	BV	522530	5955194	48.95%	2.580%
19	13.345	13.299	13.434	VB	390836	4851572	39.88%	2.101%
20	13.513	13.474	13.591	BB	459012	5879319	48.33%	2.547%
21	14.102	14.024	14.171	BB	473959	5796376	47.65%	2.511%
22	15.150	15.104	15.171	BV	443361	5995862	49.29%	2.597%
23	15.198	15.171	15.358	VB	675213	12165576	100.00%	5.270%
24	16.233	16.034	16.301	BB	421252	5671138	46.62%	2.456%
25	16.717	16.654	16.733	BV	415237	6240887	51.30%	2.703%
26	16.752	16.733	16.944	VB	494507	7431957	61.09%	3.219%
27	17.103	17.044	17.151	BV	414700	6429595	52.85%	2.785%
28	17.185	17.151	17.331	VB	420110	6021781	49.50%	2.608%
29	18.077	18.014	18.181	BB	395135	5791170	47.60%	2.508%
30	18.486	18.401	18.500	BV	250079	4091903	33.64%	1.772%
31	18.520	18.500	18.696	VV	353244	8657517	71.16%	3.750%
32	18.742	18.696	18.851	PBA	255495	5570575	45.79%	2.413%
33	18.911	18.851	19.064	BB	364758	5547231	45.60%	2.403%
34	19.698	19.601	19.858	BB	305302	5619862	46.19%	2.434%
35	20.439	20.371	20.651	BB	232169	5140386	42.25%	2.227%
36	21.180	21.101	21.431	BB	158042	4626671	38.03%	2.004%

8

Instrument :
FID_E
ClientSampleId :
PB167382BS

```
                                        rteres
  37 22.098  21.981  22.394  BB    95945   3942858  32.41%  1.708%
                       Sum of corrected areas:   2308

Aliphatic EPH 032925.M Tue Apr 01 02:18:35 2025
```

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

A B C D E F G H I J

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053073.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 16:01
Operator : YP\AJ
Sample : PB167382BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167382BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Integration File: autoint1.e
Quant Time: Apr 01 01:39:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.901	6298065	38.666 ug/ml
Spiked Amount	50.000		Recovery =	77.33%
12) S	1-chlorooctadecane (S...	13.345	4727254	39.379 ug/ml
Spiked Amount	50.000		Recovery =	78.76%
	Target Compounds			
1) T	n-Nonane (C9)	3.263	6228981	40.229 ug/ml
2) T	n-Decane (C10)	4.514	6478998	41.305 ug/ml
3) T	A~Naphthalene (C11.7)	6.219	6838658	40.709 ug/ml
4) T	n-Dodecane (C12)	6.686	6489384	41.493 ug/ml
5) T	A~2-methylnaphthalene...	7.320	6072506	38.058 ug/ml
6) T	n-Tetradecane (C14)	8.523	6295505	41.116 ug/ml
7) T	n-Hexadecane (C16)	10.136	6230564	40.420 ug/ml
8) T	n-Octadecane (C18)	11.585	6031794	39.770 ug/ml
10) T	n-Eicosane (C20)	12.900	6059965	42.503 ug/ml
11) T	n-Heneicosane (C21)	13.513	5769926	41.579 ug/ml
13) T	n-Docosane (C22)	14.101	5689962	41.546 ug/ml
14) T	n-Tetracosane (C24)	15.198	11989122	88.770 ug/ml
15) T	n-Hexacosane (C26)	16.234	5584308	41.859 ug/ml
16) T	n-Octacosane (C28)	17.184	5917434	44.840 ug/ml
17) T	n-Tricontane (C30)	18.076	5708218	42.115 ug/ml
18) T	n-Dotriacontane (C32)	18.910	5617482	41.746 ug/mlm
19) T	n-Tetratriacontane (C34)	19.697	5592485	43.220 ug/ml
20) T	n-Hexatriacontane (C36)	20.440	4892528	41.186 ug/ml
21) T	n-Octatriacontane (C38)	21.180	4653279	40.486 ug/ml
22) T	n-Tetracontane (C40)	22.100	4102110	36.524 ug/ml

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

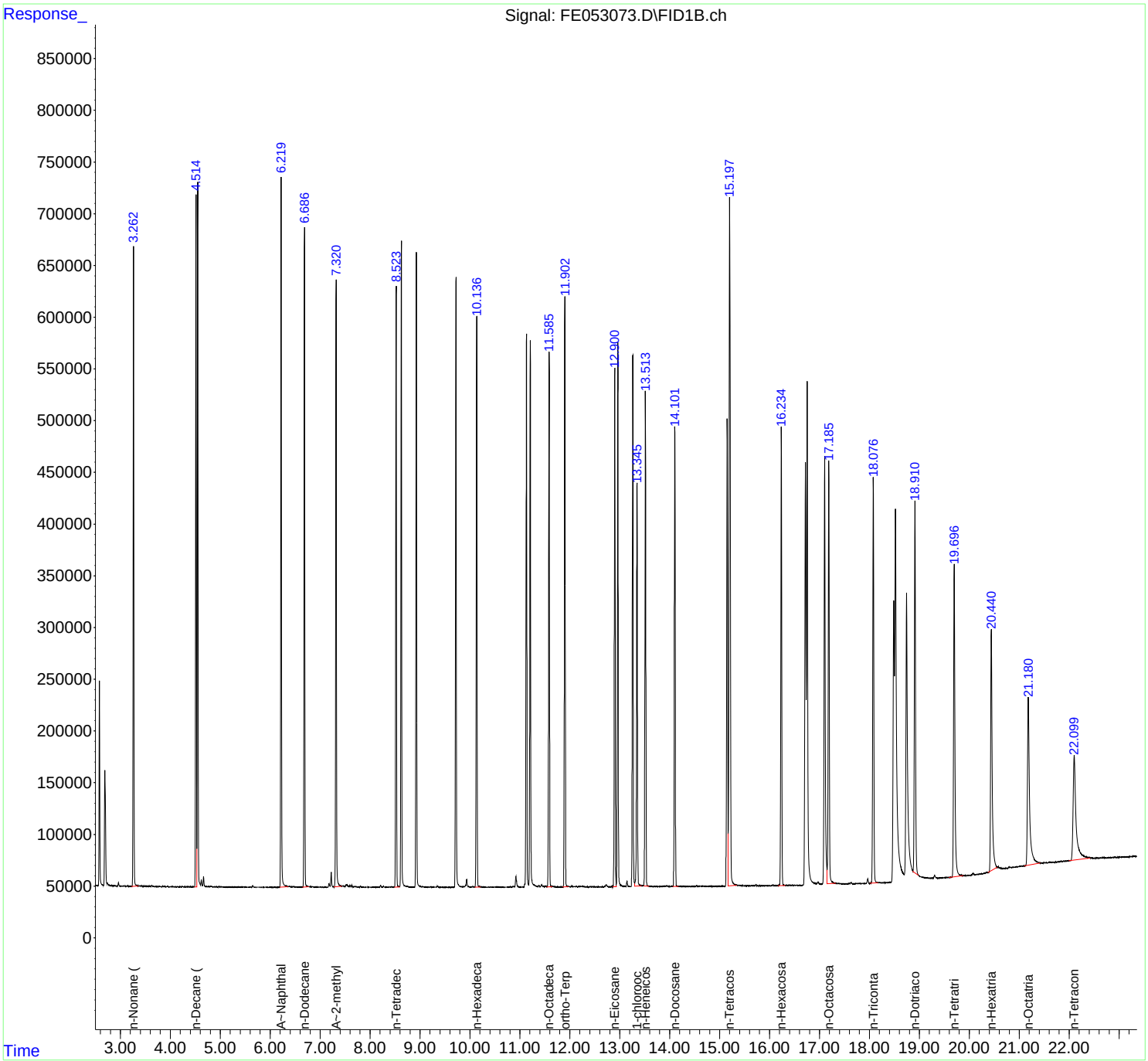
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053073.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 16:01
Operator : YP\AJ
Sample : PB167382BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Apr 01 01:39:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
PB167382BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025



Instrument :
FID_E
ClientSampleId :
PB167382BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE03312
Data File : FE053073.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 16:01
Sample : PB167382BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.263	3.221	3.361	BB	613260	6228981	51.96%	2.736%
2	4.514	4.478	4.531	BV	667747	6478998	54.04%	2.846%
3	4.548	4.531	4.603	VV	680603	6902995	57.58%	3.032%
4	6.219	6.188	6.361	BB	679584	6838658	57.04%	3.004%
5	6.686	6.645	6.771	BB	634178	6489384	54.13%	2.850%
6	7.320	7.275	7.438	PV	584737	6072506	50.65%	2.667%
7	8.523	8.485	8.591	BV	577035	6295505	52.51%	2.765%
8	8.627	8.591	8.738	VB	628752	6416191	53.52%	2.818%
9	8.928	8.885	9.028	BB	613250	6472374	53.99%	2.843%
10	9.721	9.678	9.831	BB	589460	6376465	53.19%	2.801%
11	10.136	10.095	10.215	BB	558165	6230564	51.97%	2.737%
12	11.133	11.065	11.178	BV	534533	5998346	50.03%	2.635%
13	11.209	11.178	11.328	VB	523610	5977081	49.85%	2.625%
14	11.585	11.541	11.651	BB	515976	6031794	50.31%	2.649%
15	11.901	11.861	11.975	BB	571021	6298065	52.53%	2.766%
16	12.900	12.859	12.929	PV	506322	6059965	50.55%	2.662%
17	12.961	12.929	13.071	VB	522244	5989589	49.96%	2.631%
18	13.261	13.215	13.299	BV	515654	5866917	48.94%	2.577%
19	13.345	13.299	13.441	VB	385181	4727254	39.43%	2.076%
20	13.513	13.475	13.588	BB	476369	5769926	48.13%	2.534%
21	14.101	14.061	14.178	BB	445395	5689962	47.46%	2.499%
22	15.150	15.108	15.171	BV	453420	5933871	49.49%	2.606%
23	15.198	15.171	15.345	VB	661714	11989122	100.00%	5.266%
24	16.234	16.161	16.315	BB	442892	5584308	46.58%	2.453%
25	16.717	16.645	16.733	BV	409181	6159928	51.38%	2.706%
26	16.752	16.733	16.945	VV	483762	7310772	60.98%	3.211%
27	17.102	17.041	17.151	BV	412940	6355463	53.01%	2.791%
28	17.184	17.151	17.325	VB	408906	5917434	49.36%	2.599%
29	18.076	18.005	18.175	BB	393373	5708218	47.61%	2.507%
30	18.485	18.425	18.500	BV	270286	4365993	36.42%	1.918%
31	18.520	18.500	18.695	VV	357970	8628232	71.97%	3.790%
32	18.742	18.695	18.851	PBA	270285	5810850	48.47%	2.552%
33	18.910	18.851	19.075	BB	357709	5462730	45.56%	2.399%
34	19.697	19.591	19.881	BB	302080	5592485	46.65%	2.456%
35	20.440	20.371	20.558	BV	233389	4892528	40.81%	2.149%
36	21.180	21.101	21.421	BB	162163	4653279	38.81%	2.044%

8

Instrument :
FID_E
ClientSampleId :
PB167382BSD

rteres
37 22.100 21.991 22.421 BB 101218 4102110 34.22% 1.802%
Sum of corrected areas: 2276

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/01/2025
Supervised By :mohammad ahmed 04/02/2025

Aliphatic EPH 032925.M Tue Apr 01 02:19:11 2025

A B C D E F G H I J

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053076.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 17:33
Operator : YP\AJ
Sample : Q1675-02MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P2MS

Integration File: autoint1.e
Quant Time: Apr 01 01:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.900	5216005	32.023 ug/ml
	Spiked Amount 50.000		Recovery = 64.05%	
12)	S 1-chlorooctadecane (S...	13.344	3940136	32.822 ug/ml
	Spiked Amount 50.000		Recovery = 65.64%	
	Target Compounds			
1)	T n-Nonane (C9)	3.260	6011893	38.827 ug/ml
2)	T n-Decane (C10)	4.513	6124376	39.044 ug/ml
3)	T A~Naphthalene (C11.7)	6.219	6416193	38.194 ug/ml
4)	T n-Dodecane (C12)	6.686	6056818	38.727 ug/ml
5)	T A~2-methylnaphthalene...	7.320	5702269	35.737 ug/ml
6)	T n-Tetradecane (C14)	8.522	5850019	38.206 ug/ml
7)	T n-Hexadecane (C16)	10.135	5773166	37.452 ug/ml
8)	T n-Octadecane (C18)	11.584	5604127	36.950 ug/ml
10)	T n-Eicosane (C20)	12.899	5661653	39.710 ug/ml
11)	T n-Heneicosane (C21)	13.513	5407764	38.969 ug/ml
13)	T n-Docosane (C22)	14.102	5356564	39.112 ug/ml
14)	T n-Tetracosane (C24)	15.196	11293991	83.623 ug/ml
15)	T n-Hexacosane (C26)	16.233	5280024	39.578 ug/ml
16)	T n-Octacosane (C28)	17.183	5583384	42.309 ug/ml
17)	T n-Tricontane (C30)	18.075	5412317	39.931 ug/ml
18)	T n-Dotriacontane (C32)	18.909	5317857	39.519 ug/ml
19)	T n-Tetratriacontane (C34)	19.695	5545955	42.860 ug/ml
20)	T n-Hexatriacontane (C36)	20.438	5414932	45.584 ug/ml
21)	T n-Octatriacontane (C38)	21.179	5636819	49.043 ug/ml
22)	T n-Tetracontane (C40)	22.097	5464869	48.657 ug/ml

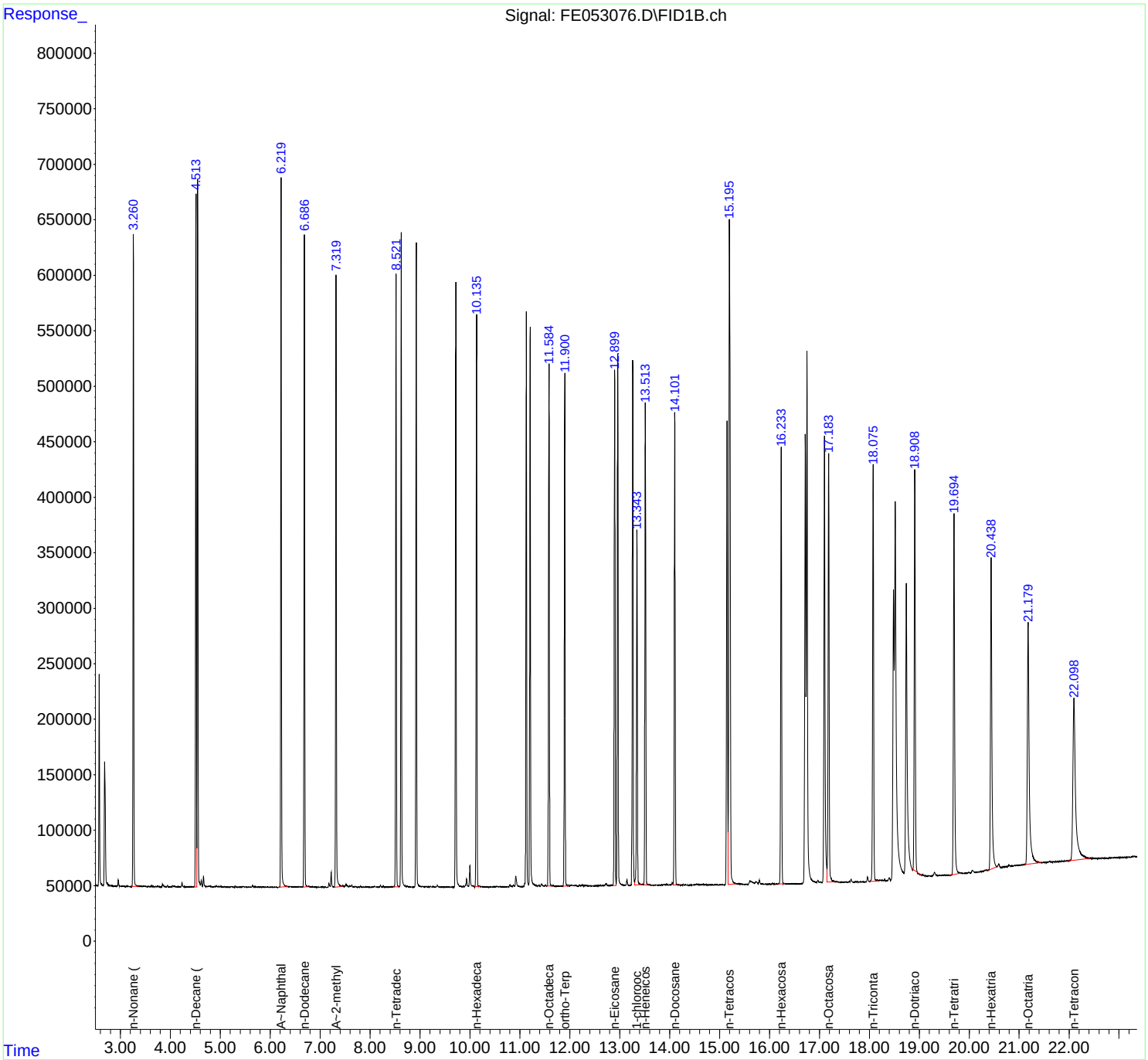
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053076.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 17:33
Operator : YP\AJ
Sample : Q1675-02MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P2MS

Integration File: autoint1.e
Quant Time: Apr 01 01:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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_E\Data\FE033125AL\
Data File : FE053076.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 17:33
Sample : Q1675-02MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.901	2.835	2.928	BV	318	2566	0.02%	0.001%
2	2.958	2.928	3.017	PV	5710	61604	0.54%	0.027%
3	3.044	3.017	3.104	VV	354	8549	0.08%	0.004%
4	3.129	3.104	3.160	PV	304	4689	0.04%	0.002%
5	3.183	3.160	3.211	PV	94	911	0.01%	0.000%
6	3.260	3.211	3.388	PV	588776	6032696	53.08%	2.685%
7	3.402	3.388	3.455	VV	543	12532	0.11%	0.006%
8	3.469	3.455	3.488	VV	303	4788	0.04%	0.002%
9	3.503	3.488	3.528	VV	349	4263	0.04%	0.002%
10	3.539	3.528	3.553	VV	234	2198	0.02%	0.001%
11	3.571	3.553	3.585	VV	370	4352	0.04%	0.002%
12	3.590	3.585	3.606	VV	300	3583	0.03%	0.002%
13	3.627	3.606	3.673	VV	771	15028	0.13%	0.007%
14	3.706	3.673	3.723	VV	227	3855	0.03%	0.002%
15	3.745	3.723	3.818	VV	531	9130	0.08%	0.004%
16	3.844	3.818	3.859	VV	2646	29214	0.26%	0.013%
17	3.867	3.859	3.920	VV	1332	17003	0.15%	0.008%
18	3.942	3.920	4.001	VV	1393	16887	0.15%	0.008%
19	4.049	4.001	4.142	PV	1202	31479	0.28%	0.014%
20	4.158	4.142	4.208	VV	274	6887	0.06%	0.003%
21	4.235	4.208	4.273	VV	3993	45869	0.40%	0.020%
22	4.281	4.273	4.348	VV	261	7886	0.07%	0.004%
23	4.363	4.348	4.438	VV	156	6247	0.05%	0.003%
24	4.453	4.438	4.477	VV	170	2704	0.02%	0.001%
25	4.513	4.477	4.530	VV	625799	6127591	53.92%	2.727%
26	4.547	4.530	4.602	VV	638482	6498422	57.18%	2.892%
27	4.620	4.602	4.644	VV	6314	80286	0.71%	0.036%
28	4.665	4.644	4.756	VV	9966	138335	1.22%	0.062%
29	4.764	4.756	4.773	VV	605	5743	0.05%	0.003%
30	4.794	4.773	4.860	VV	901	27966	0.25%	0.012%
31	4.900	4.860	4.912	VV	653	13312	0.12%	0.006%
32	4.929	4.912	4.950	VV	944	13525	0.12%	0.006%
33	4.971	4.950	4.993	VV	661	11238	0.10%	0.005%
34	5.012	4.993	5.042	VV	765	12782	0.11%	0.006%
35	5.055	5.042	5.065	VV	166	2152	0.02%	0.001%
36	5.092	5.065	5.145	VV	434	8553	0.08%	0.004%

rteres

37	5.167	5.145	5.194	VV	207	4167	0.04%	0.002%
38	5.215	5.194	5.251	VV	537	10179	0.09%	0.005%
39	5.265	5.251	5.278	VV	267	2849	0.03%	0.001%
40	5.298	5.278	5.375	VV	669	11771	0.10%	0.005%
41	5.458	5.375	5.488	VV	676	13533	0.12%	0.006%
42	5.506	5.488	5.628	VV	260	8908	0.08%	0.004%
43	5.649	5.628	5.670	PV	2006	22812	0.20%	0.010%
44	5.695	5.670	5.756	VV	617	17006	0.15%	0.008%
45	5.771	5.756	5.820	VV	270	5850	0.05%	0.003%
46	5.839	5.820	5.916	VV	235	7631	0.07%	0.003%
47	5.941	5.916	5.982	VV	378	7715	0.07%	0.003%
48	5.999	5.982	6.015	VV	198	3175	0.03%	0.001%
49	6.038	6.015	6.073	VV	246	4638	0.04%	0.002%
50	6.088	6.073	6.115	VV	230	2788	0.02%	0.001%
51	6.131	6.115	6.148	VV	166	1723	0.02%	0.001%
52	6.219	6.148	6.370	PV	633814	6466083	56.90%	2.878%
53	6.391	6.370	6.457	VV	728	28174	0.25%	0.013%
54	6.476	6.457	6.485	VV	438	6759	0.06%	0.003%
55	6.523	6.485	6.565	VV	547	19778	0.17%	0.009%
56	6.572	6.565	6.595	VV	390	6118	0.05%	0.003%
57	6.604	6.595	6.645	VV	386	8354	0.07%	0.004%
58	6.686	6.645	6.756	VV	584896	6087007	53.56%	2.709%
59	6.770	6.756	6.824	VV	958	26466	0.23%	0.012%
60	6.839	6.824	6.868	VV	690	11971	0.11%	0.005%
61	6.878	6.868	6.905	VV	307	5542	0.05%	0.002%
62	6.911	6.905	6.948	VV	233	3954	0.03%	0.002%
63	6.980	6.948	6.996	VV	288	4619	0.04%	0.002%
64	7.008	6.996	7.069	VV	254	5130	0.05%	0.002%
65	7.102	7.069	7.153	PV	232	5793	0.05%	0.003%
66	7.178	7.153	7.200	VV	3502	45095	0.40%	0.020%
67	7.223	7.200	7.277	VV	13592	156878	1.38%	0.070%
68	7.320	7.277	7.438	VV	547401	5752768	50.62%	2.560%
69	7.458	7.438	7.481	VV	1773	30898	0.27%	0.014%
70	7.521	7.481	7.536	VV	2574	48930	0.43%	0.022%
71	7.544	7.536	7.581	VV	1742	28430	0.25%	0.013%
72	7.598	7.581	7.616	VV	1463	20295	0.18%	0.009%
73	7.635	7.616	7.661	VV	1994	27645	0.24%	0.012%
74	7.693	7.661	7.747	VV	695	22894	0.20%	0.010%
75	7.763	7.747	7.783	VV	233	3358	0.03%	0.001%
76	7.808	7.783	7.835	VV	862	11470	0.10%	0.005%
77	7.852	7.835	7.890	VV	251	5949	0.05%	0.003%
78	7.919	7.890	7.947	VV	556	8400	0.07%	0.004%
79	7.968	7.947	8.034	VV	209	7116	0.06%	0.003%
80	8.066	8.034	8.075	VV	539	8218	0.07%	0.004%
81	8.090	8.075	8.113	VV	990	13877	0.12%	0.006%
82	8.131	8.113	8.182	VV	363	10255	0.09%	0.005%
83	8.210	8.182	8.236	VV	1946	23895	0.21%	0.011%
84	8.267	8.236	8.311	VV	1010	16503	0.15%	0.007%
85	8.335	8.311	8.361	VV	294	5525	0.05%	0.002%
86	8.424	8.361	8.458	VV	562	21416	0.19%	0.010%
87	8.522	8.458	8.590	VV	551509	5885435	51.79%	2.619%
88	8.626	8.590	8.736	VV	583778	6078211	53.48%	2.705%
89	8.747	8.736	8.864	VV	861	29023	0.26%	0.013%

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90	8.879	8.864	8.885	VV	329	3058	0.03%	0.001%
91	8.927	8.885	9.045	VV	582608	6110551	53.77%	2.720%
92	9.059	9.045	9.093	VV	862	16601	0.15%	0.007%
93	9.131	9.093	9.157	VV	744	16554	0.15%	0.007%
94	9.167	9.157	9.186	VV	391	5303	0.05%	0.002%
95	9.209	9.186	9.238	VV	739	14062	0.12%	0.006%
96	9.263	9.238	9.316	VV	630	17156	0.15%	0.008%
97	9.350	9.316	9.428	VV	1599	32864	0.29%	0.015%
98	9.440	9.428	9.458	VV	129	1557	0.01%	0.001%
99	9.498	9.458	9.511	VV	173	3387	0.03%	0.002%
100	9.533	9.511	9.561	VV	274	4774	0.04%	0.002%
101	9.569	9.561	9.575	VV	128	929	0.01%	0.000%
102	9.609	9.575	9.629	VV	267	5954	0.05%	0.003%
103	9.651	9.629	9.671	VV	280	4104	0.04%	0.002%
104	9.720	9.671	9.855	PV	547421	6040158	53.15%	2.688%
105	9.870	9.855	9.891	VV	793	13015	0.11%	0.006%
106	9.934	9.891	9.978	VV	7523	127137	1.12%	0.057%
107	10.000	9.978	10.057	VV	19314	264542	2.33%	0.118%
108	10.066	10.057	10.095	VV	1127	17550	0.15%	0.008%
109	10.135	10.095	10.219	VV	516514	5805590	51.09%	2.584%
110	10.236	10.219	10.277	VV	562	12902	0.11%	0.006%
111	10.300	10.277	10.388	VV	253	8174	0.07%	0.004%
112	10.419	10.388	10.447	PV	143	3053	0.03%	0.001%
113	10.471	10.447	10.485	VV	232	3155	0.03%	0.001%
114	10.488	10.485	10.499	VV	248	1381	0.01%	0.001%
115	10.526	10.499	10.542	VV	402	6473	0.06%	0.003%
116	10.575	10.542	10.588	VV	295	6723	0.06%	0.003%
117	10.600	10.588	10.634	VV	249	5420	0.05%	0.002%
118	10.659	10.634	10.671	VV	160	2731	0.02%	0.001%
119	10.677	10.671	10.708	VV	139	1476	0.01%	0.001%
120	10.715	10.708	10.732	PV	133	1373	0.01%	0.001%
121	10.739	10.732	10.747	VV	169	947	0.01%	0.000%
122	10.802	10.747	10.828	VV	1957	30552	0.27%	0.014%
123	10.835	10.828	10.848	VV	464	5163	0.05%	0.002%
124	10.874	10.848	10.895	VV	1398	23687	0.21%	0.011%
125	10.921	10.895	11.061	VV	9556	175500	1.54%	0.078%
126	11.131	11.061	11.174	VV	517183	5689801	50.07%	2.532%
127	11.208	11.174	11.365	VV	505036	5731028	50.43%	2.551%
128	11.384	11.365	11.411	VV	1575	24284	0.21%	0.011%
129	11.434	11.411	11.486	VV	2412	48813	0.43%	0.022%
130	11.512	11.486	11.538	VV	1258	23031	0.20%	0.010%
131	11.584	11.538	11.648	VV	471605	5635668	49.59%	2.508%
132	11.667	11.648	11.713	VV	789	20601	0.18%	0.009%
133	11.740	11.713	11.758	VV	525	8405	0.07%	0.004%
134	11.774	11.758	11.801	VV	321	6257	0.06%	0.003%
135	11.808	11.801	11.831	VV	205	3092	0.03%	0.001%
136	11.900	11.831	11.960	VV	464246	5234102	46.06%	2.330%
137	11.972	11.960	11.998	VV	741	13943	0.12%	0.006%
138	12.040	11.998	12.066	VV	1280	30293	0.27%	0.013%
139	12.088	12.066	12.105	VV	777	13682	0.12%	0.006%
140	12.117	12.105	12.166	VV	743	15297	0.13%	0.007%
141	12.194	12.166	12.221	VV	951	19198	0.17%	0.009%

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142	12.254	12.221	12.291	VV	1228	28354	0.25%	0.013%
143	12.315	12.291	12.324	VV	482	8056	0.07%	0.004%
144	12.344	12.324	12.376	VV	747	13050	0.11%	0.006%
145	12.386	12.376	12.399	VV	219	2482	0.02%	0.001%
146	12.421	12.399	12.451	VV	262	5813	0.05%	0.003%
147	12.547	12.451	12.567	VV	410	16498	0.15%	0.007%
148	12.595	12.567	12.604	VV	501	7989	0.07%	0.004%
149	12.618	12.604	12.653	VV	515	11799	0.10%	0.005%
150	12.730	12.653	12.778	VV	2200	56797	0.50%	0.025%
151	12.839	12.778	12.861	VV	923	23199	0.20%	0.010%
152	12.899	12.861	12.928	VV	462594	5677234	49.96%	2.527%
153	12.960	12.928	13.080	VV	478307	5725646	50.38%	2.548%
154	13.093	13.080	13.121	VV	628	13621	0.12%	0.006%
155	13.145	13.121	13.220	VV	5574	86576	0.76%	0.039%
156	13.260	13.220	13.298	VV	475618	5569578	49.01%	2.479%
157	13.344	13.298	13.434	VV	318487	4008536	35.27%	1.784%
158	13.454	13.434	13.475	VV	1462	29483	0.26%	0.013%
159	13.513	13.475	13.635	VV	440333	5470385	48.14%	2.435%
160	13.643	13.635	13.660	VV	473	6113	0.05%	0.003%
161	13.687	13.660	13.706	VV	467	11118	0.10%	0.005%
162	13.727	13.706	13.792	VV	508	20312	0.18%	0.009%
163	13.802	13.792	13.808	VV	340	3031	0.03%	0.001%
164	13.819	13.808	13.829	VV	380	4459	0.04%	0.002%
165	13.856	13.829	13.873	VV	583	12030	0.11%	0.005%
166	13.889	13.873	13.918	VV	803	15254	0.13%	0.007%
167	13.942	13.918	13.982	VV	1192	25694	0.23%	0.011%
168	14.003	13.982	14.021	VV	439	9707	0.09%	0.004%
169	14.051	14.021	14.065	VV	2471	35835	0.32%	0.016%
170	14.102	14.065	14.211	VV	426702	5385942	47.39%	2.397%
171	14.225	14.211	14.241	VV	340	4670	0.04%	0.002%
172	14.272	14.241	14.294	VV	548	10707	0.09%	0.005%
173	14.323	14.294	14.354	VV	290	8047	0.07%	0.004%
174	14.364	14.354	14.407	VV	257	4183	0.04%	0.002%
175	14.419	14.407	14.424	VV	104	705	0.01%	0.000%
176	14.536	14.424	14.560	VV	949	26071	0.23%	0.012%
177	14.574	14.560	14.585	VV	434	5456	0.05%	0.002%
178	14.610	14.585	14.637	VV	531	12295	0.11%	0.005%
179	14.665	14.637	14.684	VV	968	15116	0.13%	0.007%
180	14.726	14.684	14.748	VV	493	14362	0.13%	0.006%
181	14.772	14.748	14.814	VV	285	8002	0.07%	0.004%
182	14.827	14.814	14.861	VV	186	3182	0.03%	0.001%
183	14.899	14.861	14.991	VV	318	12073	0.11%	0.005%
184	15.055	14.991	15.106	PV	293	7337	0.06%	0.003%
185	15.149	15.106	15.169	VV	416164	5590494	49.19%	2.488%
186	15.196	15.169	15.383	VV	597412	11364404	100.00%	5.058%
187	15.401	15.383	15.429	VV	726	15534	0.14%	0.007%
188	15.436	15.429	15.491	VV	428	12769	0.11%	0.006%
189	15.514	15.491	15.565	VV	299	8620	0.08%	0.004%
190	15.614	15.565	15.708	VV	3076	161175	1.42%	0.072%
191	15.730	15.708	15.768	VV	2325	64762	0.57%	0.029%
192	15.796	15.768	15.844	VV	3781	72721	0.64%	0.032%
193	15.854	15.844	15.884	VV	558	10418	0.09%	0.005%
194	15.900	15.884	15.957	VV	378	12215	0.11%	0.005%

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195	15.992	15.957	16.023	VV	323	8298	0.07%	0.004%
196	16.067	16.023	16.134	VV	757	19897	0.18%	0.009%
197	16.233	16.134	16.285	VV	396633	5293451	46.58%	2.356%
198	16.296	16.285	16.351	VV	592	12758	0.11%	0.006%
199	16.358	16.351	16.375	VV	218	2175	0.02%	0.001%
200	16.393	16.375	16.421	VV	391	6752	0.06%	0.003%
201	16.432	16.421	16.457	VV	170	2060	0.02%	0.001%
202	16.475	16.457	16.488	PV	106	1371	0.01%	0.001%
203	16.536	16.488	16.548	VV	106	2966	0.03%	0.001%
204	16.578	16.548	16.588	VV	146	2038	0.02%	0.001%
205	16.596	16.588	16.601	PV	157	559	0.00%	0.000%
206	16.716	16.601	16.732	VV	406005	5848784	51.47%	2.603%
207	16.750	16.732	16.942	VV	482223	6870803	60.46%	3.058%
208	16.969	16.942	17.001	VV	2429	55773	0.49%	0.025%
209	17.006	17.001	17.018	VV	1209	10951	0.10%	0.005%
210	17.033	17.018	17.055	VV	1044	20491	0.18%	0.009%
211	17.100	17.055	17.150	VV	402708	5994965	52.75%	2.668%
212	17.184	17.150	17.341	VV	387015	5697233	50.13%	2.536%
213	17.350	17.341	17.391	VV	988	24087	0.21%	0.011%
214	17.418	17.391	17.484	VV	635	25120	0.22%	0.011%
215	17.517	17.484	17.531	VV	686	12742	0.11%	0.006%
216	17.547	17.531	17.571	VV	389	8726	0.08%	0.004%
217	17.634	17.571	17.691	VV	2865	56661	0.50%	0.025%
218	17.731	17.691	17.741	VV	293	5848	0.05%	0.003%
219	17.750	17.741	17.773	VV	270	3392	0.03%	0.002%
220	17.808	17.773	17.816	VV	187	3030	0.03%	0.001%
221	17.860	17.816	17.889	VV	232	6067	0.05%	0.003%
222	17.963	17.889	18.007	PV	4237	63953	0.56%	0.028%
223	18.075	18.007	18.147	VV	375379	5433927	47.82%	2.418%
224	18.161	18.147	18.198	VV	1083	24405	0.21%	0.011%
225	18.216	18.198	18.237	VV	1095	18295	0.16%	0.008%
226	18.254	18.237	18.281	VV	687	15026	0.13%	0.007%
227	18.303	18.281	18.358	VV	1118	20183	0.18%	0.009%
228	18.398	18.358	18.425	PV	2771	45215	0.40%	0.020%
229	18.483	18.425	18.497	VV	260325	4221850	37.15%	1.879%
230	18.518	18.497	18.693	VV	341319	8328567	73.29%	3.707%
231	18.739	18.693	18.867	VV	266328	6110822	53.77%	2.720%
232	18.909	18.867	19.048	VV	369009	5900134	51.92%	2.626%
233	19.062	19.048	19.138	VV	2605	105291	0.93%	0.047%
234	19.171	19.138	19.181	VV	1265	32486	0.29%	0.014%
235	19.219	19.181	19.239	VV	1024	35204	0.31%	0.016%
236	19.305	19.239	19.385	VV	4022	144426	1.27%	0.064%
237	19.464	19.385	19.480	VV	624	35099	0.31%	0.016%
238	19.502	19.480	19.534	VV	777	17122	0.15%	0.008%
239	19.543	19.534	19.565	VV	340	5122	0.05%	0.002%
240	19.587	19.565	19.621	VV	184	4364	0.04%	0.002%
241	19.695	19.621	19.836	PV	325249	5610336	49.37%	2.497%
242	19.860	19.836	19.911	VV	751	25283	0.22%	0.011%
243	19.989	19.911	20.018	VV	669	18199	0.16%	0.008%
244	20.066	20.018	20.125	PV	2247	52244	0.46%	0.023%
245	20.131	20.125	20.138	VV	179	1282	0.01%	0.001%
246	20.145	20.138	20.150	VV	82	641	0.01%	0.000%

rteres

247	20.226	20.150	20.233	PV	150	3909	0.03%	0.002%
248	20.336	20.233	20.377	VV	875	36921	0.32%	0.016%
249	20.438	20.377	20.558	VV	281922	5583569	49.13%	2.485%
250	20.590	20.558	20.650	VV	4462	157857	1.39%	0.070%
251	20.707	20.650	20.723	VV	1724	68844	0.61%	0.031%
252	20.796	20.723	20.851	VV	2459	137122	1.21%	0.061%
253	20.939	20.851	20.946	VV	1547	86161	0.76%	0.038%
254	21.084	20.946	21.101	VV	1415	128151	1.13%	0.057%
255	21.179	21.101	21.468	VV	219328	5910958	52.01%	2.631%
256	21.498	21.468	21.525	VV	1006	32631	0.29%	0.015%
257	21.605	21.525	21.671	VV	1079	66136	0.58%	0.029%
258	21.829	21.671	21.841	VV	133	18896	0.17%	0.008%
259	22.097	21.841	22.251	PBA	143425	4799505	42.23%	2.136%

Sum of corrected areas: 224685899

Aliphatic EPH 032925.M Tue Apr 01 02:25:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053077.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 18:03
Operator : YP\AJ
Sample : Q1675-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P2MSD

Integration File: autoint1.e
Quant Time: Apr 01 01:41:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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)	11.899	5448289	33.449 ug/ml
Spiked Amount	50.000		Recovery =	66.90%
12)	S 1-chlorooctadecane (S...	13.344	4113814	34.269 ug/ml
Spiked Amount	50.000		Recovery =	68.54%
	Target Compounds			
1)	T n-Nonane (C9)	3.262	6319015	40.810 ug/ml
2)	T n-Decane (C10)	4.514	6440840	41.062 ug/ml
3)	T A~Naphthalene (C11.7)	6.219	6744332	40.147 ug/ml
4)	T n-Dodecane (C12)	6.686	6359870	40.664 ug/ml
5)	T A~2-methylnaphthalene...	7.320	5994223	37.567 ug/ml
6)	T n-Tetradecane (C14)	8.522	6151627	40.176 ug/ml
7)	T n-Hexadecane (C16)	10.135	6071129	39.385 ug/ml
8)	T n-Octadecane (C18)	11.584	5900788	38.907 ug/ml
10)	T n-Eicosane (C20)	12.899	5952544	41.750 ug/ml
11)	T n-Heneicosane (C21)	13.513	5663869	40.815 ug/ml
13)	T n-Docosane (C22)	14.101	5652872	41.275 ug/ml
14)	T n-Tetracosane (C24)	15.199	11816156	87.489 ug/ml
15)	T n-Hexacosane (C26)	16.233	5534293	41.484 ug/ml
16)	T n-Octacosane (C28)	17.184	5849580	44.326 ug/ml
17)	T n-Tricontane (C30)	18.076	5692589	41.999 ug/ml
18)	T n-Dotriacontane (C32)	18.909	5609377	41.686 ug/ml
19)	T n-Tetratriacontane (C34)	19.696	5864542	45.322 ug/ml
20)	T n-Hexatriacontane (C36)	20.439	5720100	48.153 ug/ml
21)	T n-Octatriacontane (C38)	21.181	5942422	51.702 ug/ml
22)	T n-Tetracontane (C40)	22.100	5817162	51.794 ug/ml

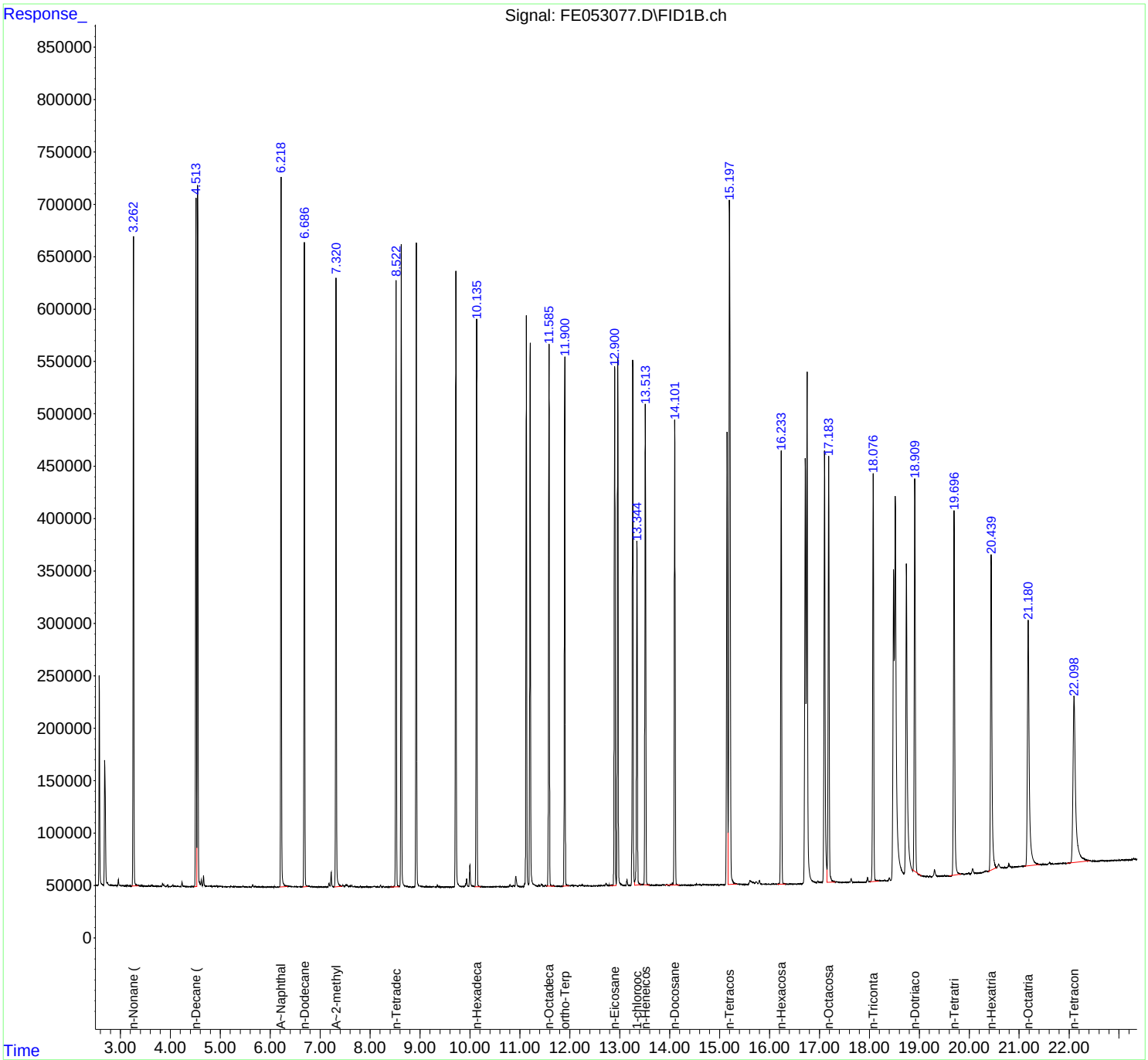
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033125AL\
Data File : FE053077.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 18:03
Operator : YP\AJ
Sample : Q1675-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
P2MSD

Integration File: autoint1.e
Quant Time: Apr 01 01:41:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Quant Title : GC Extractables
QLast Update : Mon Mar 31 02:44:53 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_E\Data\FE033125AL\
Data File : FE053077.D
Signal(s) : FID1B.ch
Acq On : 31 Mar 2025 18:03
Sample : Q1675-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.901	2.838	2.933	BV	238	951	0.01%	0.000%
2	2.959	2.933	3.017	PV	6036	63904	0.47%	0.027%
3	3.044	3.017	3.064	PV	385	5171	0.04%	0.002%
4	3.073	3.064	3.111	VV	150	1657	0.01%	0.001%
5	3.131	3.111	3.195	VV	284	5104	0.04%	0.002%
6	3.262	3.195	3.363	PV	618111	6332263	46.66%	2.651%
7	3.376	3.363	3.391	VV	504	6700	0.05%	0.003%
8	3.404	3.391	3.455	VV	560	12530	0.09%	0.005%
9	3.472	3.455	3.494	VV	352	5958	0.04%	0.002%
10	3.502	3.494	3.529	VV	340	4102	0.03%	0.002%
11	3.543	3.529	3.557	VV	231	2664	0.02%	0.001%
12	3.573	3.557	3.584	VV	404	4248	0.03%	0.002%
13	3.594	3.584	3.607	VV	341	3705	0.03%	0.002%
14	3.627	3.607	3.690	VV	753	17099	0.13%	0.007%
15	3.706	3.690	3.725	VV	214	2704	0.02%	0.001%
16	3.745	3.725	3.801	VV	567	8701	0.06%	0.004%
17	3.810	3.801	3.818	VV	102	778	0.01%	0.000%
18	3.845	3.818	3.859	VV	2872	31222	0.23%	0.013%
19	3.867	3.859	3.920	VV	1438	17205	0.13%	0.007%
20	3.943	3.920	3.995	VV	1474	17817	0.13%	0.007%
21	4.050	3.995	4.146	PV	1269	28919	0.21%	0.012%
22	4.164	4.146	4.188	VV	270	4214	0.03%	0.002%
23	4.235	4.188	4.339	VV	4240	52964	0.39%	0.022%
24	4.352	4.339	4.390	VV	172	2192	0.02%	0.001%
25	4.405	4.390	4.431	VV	148	1670	0.01%	0.001%
26	4.451	4.431	4.475	VV	188	2517	0.02%	0.001%
27	4.514	4.475	4.530	VV	657144	6443207	47.47%	2.698%
28	4.548	4.530	4.603	VV	667492	6830707	50.33%	2.860%
29	4.621	4.603	4.644	VV	6556	82028	0.60%	0.034%
30	4.665	4.644	4.741	VV	10478	136724	1.01%	0.057%
31	4.796	4.741	4.811	VV	861	25913	0.19%	0.011%
32	4.816	4.811	4.862	VV	814	14213	0.10%	0.006%
33	4.900	4.862	4.913	VV	611	12639	0.09%	0.005%
34	4.928	4.913	4.953	VV	982	14767	0.11%	0.006%
35	4.974	4.953	4.994	VV	732	11979	0.09%	0.005%
36	5.012	4.994	5.070	VV	861	15839	0.12%	0.007%

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37	5.091	5.070	5.151	VV	391	7878	0.06%	0.003%
38	5.168	5.151	5.197	VV	194	4109	0.03%	0.002%
39	5.215	5.197	5.248	VV	543	10696	0.08%	0.004%
40	5.267	5.248	5.281	VV	323	4135	0.03%	0.002%
41	5.298	5.281	5.328	VV	731	9587	0.07%	0.004%
42	5.342	5.328	5.391	VV	185	4295	0.03%	0.002%
43	5.398	5.391	5.434	VV	115	1827	0.01%	0.001%
44	5.458	5.434	5.487	VV	789	10389	0.08%	0.004%
45	5.501	5.487	5.565	VV	317	6559	0.05%	0.003%
46	5.587	5.565	5.599	VV	102	1142	0.01%	0.000%
47	5.650	5.599	5.669	PV	2108	24166	0.18%	0.010%
48	5.698	5.669	5.750	VV	664	15999	0.12%	0.007%
49	5.765	5.750	5.824	VV	238	5668	0.04%	0.002%
50	5.840	5.824	5.868	VV	264	3583	0.03%	0.002%
51	5.873	5.868	5.887	VV	128	919	0.01%	0.000%
52	5.940	5.887	5.958	VV	339	5478	0.04%	0.002%
53	5.965	5.958	5.981	VV	156	2119	0.02%	0.001%
54	5.996	5.981	6.028	VV	171	2687	0.02%	0.001%
55	6.035	6.028	6.055	VV	161	1673	0.01%	0.001%
56	6.081	6.055	6.108	VV	204	3367	0.02%	0.001%
57	6.112	6.108	6.117	VV	88	434	0.00%	0.000%
58	6.133	6.117	6.156	VV	129	1629	0.01%	0.001%
59	6.219	6.156	6.378	PV	674648	6798333	50.09%	2.847%
60	6.394	6.378	6.434	VV	849	20558	0.15%	0.009%
61	6.448	6.434	6.468	VV	458	7728	0.06%	0.003%
62	6.479	6.468	6.497	VV	449	6786	0.05%	0.003%
63	6.523	6.497	6.562	VV	527	15439	0.11%	0.006%
64	6.579	6.562	6.593	VV	409	6694	0.05%	0.003%
65	6.603	6.593	6.651	VV	367	9442	0.07%	0.004%
66	6.686	6.651	6.753	VV	614097	6388160	47.07%	2.675%
67	6.770	6.753	6.820	VV	1043	27714	0.20%	0.012%
68	6.838	6.820	6.878	VV	669	14482	0.11%	0.006%
69	6.882	6.878	6.928	VV	288	5294	0.04%	0.002%
70	6.938	6.928	6.945	VV	152	1166	0.01%	0.000%
71	6.973	6.945	6.993	VV	240	5122	0.04%	0.002%
72	7.008	6.993	7.070	VV	277	6047	0.04%	0.003%
73	7.103	7.070	7.151	VV	215	5261	0.04%	0.002%
74	7.178	7.151	7.200	VV	3710	48018	0.35%	0.020%
75	7.222	7.200	7.278	VV	14284	163749	1.21%	0.069%
76	7.320	7.278	7.440	VV	582765	6043595	44.53%	2.531%
77	7.458	7.440	7.479	VV	1891	28507	0.21%	0.012%
78	7.521	7.479	7.578	VV	2703	77860	0.57%	0.033%
79	7.598	7.578	7.617	VV	1468	21146	0.16%	0.009%
80	7.635	7.617	7.659	VV	1998	26800	0.20%	0.011%
81	7.692	7.659	7.782	VV	652	22819	0.17%	0.010%
82	7.808	7.782	7.834	VV	750	9812	0.07%	0.004%
83	7.846	7.834	7.898	VV	213	3491	0.03%	0.001%
84	7.920	7.898	7.957	PV	532	7260	0.05%	0.003%
85	7.970	7.957	7.991	VV	162	2051	0.02%	0.001%
86	8.001	7.991	8.018	VV	124	949	0.01%	0.000%
87	8.064	8.018	8.074	VV	432	6901	0.05%	0.003%
88	8.090	8.074	8.118	VV	941	13274	0.10%	0.006%
89	8.131	8.118	8.188	VV	371	7677	0.06%	0.003%

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90	8.211	8.188	8.236	VV	1960	22257	0.16%	0.009%
91	8.267	8.236	8.312	VV	996	14256	0.11%	0.006%
92	8.340	8.312	8.356	VV	208	2663	0.02%	0.001%
93	8.396	8.356	8.403	VV	302	5212	0.04%	0.002%
94	8.423	8.403	8.455	VV	468	11521	0.08%	0.005%
95	8.522	8.455	8.590	VV	577366	6177362	45.51%	2.587%
96	8.627	8.590	8.737	VV	614999	6376205	46.98%	2.670%
97	8.748	8.737	8.798	VV	807	15880	0.12%	0.007%
98	8.809	8.798	8.829	VV	230	3411	0.03%	0.001%
99	8.851	8.829	8.864	VV	219	3268	0.02%	0.001%
100	8.927	8.864	9.037	VV	617584	6410466	47.23%	2.684%
101	9.058	9.037	9.098	VV	956	19177	0.14%	0.008%
102	9.131	9.098	9.158	VV	674	14575	0.11%	0.006%
103	9.170	9.158	9.187	VV	310	3532	0.03%	0.001%
104	9.208	9.187	9.234	VV	681	10848	0.08%	0.005%
105	9.263	9.234	9.309	VV	615	13409	0.10%	0.006%
106	9.351	9.309	9.414	VV	1683	28740	0.21%	0.012%
107	9.417	9.414	9.478	VV	133	1873	0.01%	0.001%
108	9.499	9.478	9.512	VV	134	1443	0.01%	0.001%
109	9.535	9.512	9.574	VV	212	3628	0.03%	0.002%
110	9.587	9.574	9.623	VV	191	3379	0.02%	0.001%
111	9.649	9.623	9.675	VV	301	3972	0.03%	0.002%
112	9.720	9.675	9.850	PV	589117	6333708	46.67%	2.652%
113	9.869	9.850	9.890	VV	789	14259	0.11%	0.006%
114	9.934	9.890	9.976	VV	7919	132920	0.98%	0.056%
115	10.000	9.976	10.058	VV	20962	284772	2.10%	0.119%
116	10.065	10.058	10.097	VV	1102	17226	0.13%	0.007%
117	10.135	10.097	10.213	VV	539425	6097602	44.93%	2.553%
118	10.236	10.213	10.304	VV	604	16762	0.12%	0.007%
119	10.311	10.304	10.334	VV	179	2014	0.01%	0.001%
120	10.342	10.334	10.352	VV	68	654	0.00%	0.000%
121	10.410	10.352	10.436	VV	168	3580	0.03%	0.001%
122	10.479	10.436	10.501	PV	298	5771	0.04%	0.002%
123	10.526	10.501	10.542	VV	396	6540	0.05%	0.003%
124	10.556	10.542	10.596	VV	264	7681	0.06%	0.003%
125	10.606	10.596	10.634	VV	439	4809	0.04%	0.002%
126	10.645	10.634	10.661	VV	220	2860	0.02%	0.001%
127	10.668	10.661	10.708	VV	255	2653	0.02%	0.001%
128	10.724	10.708	10.737	PV	135	1447	0.01%	0.001%
129	10.802	10.737	10.846	VV	2150	39097	0.29%	0.016%
130	10.874	10.846	10.898	VV	1521	27919	0.21%	0.012%
131	10.921	10.898	11.048	VV	10160	181371	1.34%	0.076%
132	11.132	11.048	11.175	VV	543660	5966399	43.96%	2.498%
133	11.208	11.175	11.364	VV	519033	6002025	44.22%	2.513%
134	11.384	11.364	11.410	VV	1552	24609	0.18%	0.010%
135	11.434	11.410	11.490	VV	2447	52385	0.39%	0.022%
136	11.512	11.490	11.541	VV	1239	23498	0.17%	0.010%
137	11.585	11.541	11.640	VV	517739	5913345	43.57%	2.476%
138	11.674	11.640	11.721	VV	844	24220	0.18%	0.010%
139	11.738	11.721	11.761	VV	430	6579	0.05%	0.003%
140	11.776	11.761	11.818	VV	347	7823	0.06%	0.003%
141	11.825	11.818	11.850	VV	206	3237	0.02%	0.001%

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142	11.900	11.850	11.961	VV	507825	5464563	40.26%	2.288%
143	11.970	11.961	11.998	VV	783	14352	0.11%	0.006%
144	12.038	11.998	12.072	VV	1284	34411	0.25%	0.014%
145	12.086	12.072	12.103	VV	760	12181	0.09%	0.005%
146	12.115	12.103	12.166	VV	694	16173	0.12%	0.007%
147	12.194	12.166	12.227	VV	1204	25345	0.19%	0.011%
148	12.254	12.227	12.287	VV	1366	27993	0.21%	0.012%
149	12.310	12.287	12.328	VV	580	10677	0.08%	0.004%
150	12.344	12.328	12.400	VV	660	15976	0.12%	0.007%
151	12.411	12.400	12.448	VV	257	4924	0.04%	0.002%
152	12.477	12.448	12.494	VV	267	5422	0.04%	0.002%
153	12.541	12.494	12.573	VV	424	13689	0.10%	0.006%
154	12.610	12.573	12.653	VV	550	20301	0.15%	0.009%
155	12.730	12.653	12.778	VV	2281	61538	0.45%	0.026%
156	12.785	12.778	12.805	VV	643	5952	0.04%	0.002%
157	12.838	12.805	12.861	VV	1084	20859	0.15%	0.009%
158	12.899	12.861	12.928	VV	490921	5954697	43.87%	2.493%
159	12.961	12.928	13.081	VV	505253	6001838	44.22%	2.513%
160	13.092	13.081	13.117	VV	655	12372	0.09%	0.005%
161	13.145	13.117	13.212	VV	5903	91029	0.67%	0.038%
162	13.260	13.212	13.298	VV	503830	5837755	43.01%	2.444%
163	13.344	13.298	13.435	VV	330394	4186825	30.85%	1.753%
164	13.456	13.435	13.474	VV	1526	29883	0.22%	0.013%
165	13.513	13.474	13.587	VV	462840	5717007	42.12%	2.394%
166	13.600	13.587	13.667	VV	729	24515	0.18%	0.010%
167	13.682	13.667	13.701	VV	474	8409	0.06%	0.004%
168	13.727	13.701	13.795	VV	472	22637	0.17%	0.009%
169	13.891	13.795	13.918	VV	901	37397	0.28%	0.016%
170	13.941	13.918	13.974	VV	1264	25956	0.19%	0.011%
171	14.101	13.974	14.211	VV	444601	5692949	41.94%	2.384%
172	14.226	14.211	14.244	VV	334	5628	0.04%	0.002%
173	14.271	14.244	14.294	VV	625	11913	0.09%	0.005%
174	14.316	14.294	14.360	VV	402	10942	0.08%	0.005%
175	14.375	14.360	14.411	VV	261	5009	0.04%	0.002%
176	14.465	14.411	14.491	VV	279	8939	0.07%	0.004%
177	14.538	14.491	14.583	VV	1034	29281	0.22%	0.012%
178	14.609	14.583	14.637	VV	620	14162	0.10%	0.006%
179	14.664	14.637	14.707	VV	998	21934	0.16%	0.009%
180	14.723	14.707	14.754	VV	546	10629	0.08%	0.004%
181	14.775	14.754	14.854	VV	377	14360	0.11%	0.006%
182	14.913	14.854	15.003	VV	387	18926	0.14%	0.008%
183	15.053	15.003	15.078	PV	369	9671	0.07%	0.004%
184	15.149	15.078	15.170	VV	426882	5907370	43.52%	2.473%
185	15.199	15.170	15.438	VV	641584	11923705	87.85%	4.993%
186	15.454	15.438	15.558	VV	506	24734	0.18%	0.010%
187	15.615	15.558	15.704	VV	3537	183059	1.35%	0.077%
188	15.733	15.704	15.771	VV	2506	75799	0.56%	0.032%
189	15.796	15.771	15.904	VV	4067	93082	0.69%	0.039%
190	15.924	15.904	15.953	VV	382	8848	0.07%	0.004%
191	15.983	15.953	16.024	VV	377	11286	0.08%	0.005%
192	16.066	16.024	16.131	VV	821	23688	0.17%	0.010%
193	16.233	16.131	16.334	VV	414861	5556455	40.94%	2.327%
194	16.393	16.334	16.487	VV	449	16967	0.13%	0.007%

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195	16.716	16.487	16.733	PV	408518	6172804	45.48%	2.585%
196	16.751	16.733	16.944	VV	487867	7175922	52.87%	3.005%
197	16.969	16.944	17.054	VV	2431	87477	0.64%	0.037%
198	17.101	17.054	17.151	VV	413631	6316136	46.54%	2.645%
199	17.184	17.151	17.391	VV	407940	5982085	44.08%	2.505%
200	17.411	17.391	17.481	VV	714	25264	0.19%	0.011%
201	17.517	17.481	17.571	VV	675	22729	0.17%	0.010%
202	17.634	17.571	17.694	VV	3748	73594	0.54%	0.031%
203	17.724	17.694	17.811	VV	370	12832	0.09%	0.005%
204	17.864	17.811	17.887	PV	195	4962	0.04%	0.002%
205	17.909	17.887	17.924	VV	63	1419	0.01%	0.001%
206	17.964	17.924	18.011	PV	4473	66414	0.49%	0.028%
207	18.076	18.011	18.145	VV	388426	5706043	42.04%	2.389%
208	18.164	18.145	18.191	VV	1155	23547	0.17%	0.010%
209	18.217	18.191	18.276	VV	968	32231	0.24%	0.013%
210	18.306	18.276	18.358	VV	1008	19326	0.14%	0.008%
211	18.398	18.358	18.426	PV	2814	45949	0.34%	0.019%
212	18.519	18.426	18.694	VV	365705	13572481	100.00%	5.683%
213	18.741	18.694	18.868	VV	300757	6684630	49.25%	2.799%
214	18.909	18.868	19.044	VV	380569	6198827	45.67%	2.596%
215	19.063	19.044	19.138	VV	2538	112054	0.83%	0.047%
216	19.161	19.138	19.188	VV	1536	41485	0.31%	0.017%
217	19.213	19.188	19.251	VV	1220	39763	0.29%	0.017%
218	19.305	19.251	19.384	VV	7269	195101	1.44%	0.082%
219	19.459	19.384	19.479	VV	760	40663	0.30%	0.017%
220	19.504	19.479	19.534	VV	896	21584	0.16%	0.009%
221	19.553	19.534	19.578	VV	650	12828	0.09%	0.005%
222	19.597	19.578	19.627	VV	391	7941	0.06%	0.003%
223	19.696	19.627	19.833	PV	348775	5946849	43.82%	2.490%
224	19.850	19.833	19.908	VV	907	33286	0.25%	0.014%
225	19.935	19.908	19.954	VV	497	12667	0.09%	0.005%
226	19.989	19.954	20.024	VV	956	22695	0.17%	0.010%
227	20.068	20.024	20.154	VV	4960	107447	0.79%	0.045%
228	20.341	20.154	20.375	VV	1253	69460	0.51%	0.029%
229	20.440	20.375	20.550	VV	302755	5959209	43.91%	2.495%
230	20.590	20.550	20.684	VV	6383	329018	2.42%	0.138%
231	20.706	20.684	20.750	VV	3077	106939	0.79%	0.045%
232	20.795	20.750	20.851	VV	5294	207865	1.53%	0.087%
233	20.965	20.851	20.994	VV	2548	210186	1.55%	0.088%
234	21.181	20.994	21.448	VV	236217	6584653	48.51%	2.757%
235	21.490	21.448	21.542	VV	2217	118339	0.87%	0.050%
236	21.607	21.542	21.681	VV	2926	170557	1.26%	0.071%
237	21.915	21.681	21.941	VV	1215	207758	1.53%	0.087%
238	22.100	21.941	22.561	VV	159554	6152425	45.33%	2.576%

Sum of corrected areas: 238829744

Aliphatic EPH 032925.M Tue Apr 01 02:27:16 2025

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

Manual Integration Report

Sequence:	FE032925AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FE033125AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167382BS	FE053072.D	n-Dotriacontane (C32)	yogesh	4/1/2025 7:55:41 AM	mohammad	4/2/2025 1:16:46	Peak Integrated by Software
PB167382BSD	FE053073.D	n-Dotriacontane (C32)	yogesh	4/1/2025 7:55:42 AM	mohammad	4/2/2025 1:16:46	Peak Integrated by Software
Q1675-05	FE053079.D	1-chlorooctadecane (SURR)	yogesh	4/1/2025 7:55:44 AM	mohammad	4/2/2025 1:16:46	Peak Integrated by Software
Q1675-05	FE053079.D	ortho-Terphenyl (SURR)	yogesh	4/1/2025 7:55:44 AM	mohammad	4/2/2025 1:16:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE040125AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1675-05DL	FE053090.D	1-chlorooctadecane (SURR)	yogesh	4/2/2025 7:51:29 AM	mohammad	4/3/2025 1:37:54	Peak Integrated by Software
Q1675-05DL	FE053090.D	ortho-Terphenyl (SURR)	yogesh	4/2/2025 7:51:29 AM	mohammad	4/3/2025 1:37:54	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053109.D	n-Dotriacontane (C32)	yogesh	4/2/2025 7:51:31 AM	mohammad	4/3/2025 1:37:54	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053109.D	n-Tetracontane (C40)	yogesh	4/2/2025 7:51:31 AM	mohammad	4/3/2025 1:37:54	Peak Integrated by Software
Q1687-01MS	FE053122.D	1-chlorooctadecane (SURR)	yogesh	4/2/2025 9:53:13 AM	mohammad	4/3/2025 1:37:54	Peak Integrated by Software

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE032925AL

Review By	yogesh	Review On	3/28/2025 1:29:33 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:29 AM		
SubDirectory	FE032925AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053055.D	28 Mar 2025 22:09	YP\AJ	Ok
2	I.BLK	FE053056.D	28 Mar 2025 22:39	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE053057.D	28 Mar 2025 23:09	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE053058.D	29 Mar 2025 00:09	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE053059.D	29 Mar 2025 00:39	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE053060.D	29 Mar 2025 01:09	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE053061.D	29 Mar 2025 01:39	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE053062.D	29 Mar 2025 02:10	YP\AJ	Ok
9	I.BLK	FE053063.D	29 Mar 2025 03:10	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE053064.D	29 Mar 2025 03:40	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE033125AL

Review By	yogesh	Review On	3/31/2025 12:29:00 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:46 AM		
SubDirectory	FE033125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053065.D	31 Mar 2025 08:28	YP\AJ	Ok
2	I.BLK	FE053066.D	31 Mar 2025 08:58	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE053067.D	31 Mar 2025 12:00	YP\AJ	Ok
4	Q1657-01DL	FE053068.D	31 Mar 2025 12:30	YP\AJ	Ok
5	I.BLK	FE053069.D	31 Mar 2025 13:30	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE053070.D	31 Mar 2025 14:00	YP\AJ	Ok
7	PB167382BL	FE053071.D	31 Mar 2025 15:01	YP\AJ	Ok
8	PB167382BS	FE053072.D	31 Mar 2025 15:31	YP\AJ	Ok,M
9	PB167382BSD	FE053073.D	31 Mar 2025 16:01	YP\AJ	Ok,M
10	Q1675-01	FE053074.D	31 Mar 2025 16:32	YP\AJ	Ok
11	Q1675-02	FE053075.D	31 Mar 2025 17:02	YP\AJ	Ok
12	Q1675-02MS	FE053076.D	31 Mar 2025 17:33	YP\AJ	Ok
13	Q1675-02MSD	FE053077.D	31 Mar 2025 18:03	YP\AJ	Ok
14	Q1675-03	FE053078.D	31 Mar 2025 18:33	YP\AJ	Ok
15	Q1675-05	FE053079.D	31 Mar 2025 19:03	YP\AJ	Dilution
16	Q1675-06	FE053080.D	31 Mar 2025 19:34	YP\AJ	Ok
17	Q1675-18	FE053081.D	31 Mar 2025 20:04	YP\AJ	Dilution
18	Q1675-19	FE053082.D	31 Mar 2025 20:34	YP\AJ	Ok
19	Q1675-20	FE053083.D	31 Mar 2025 21:04	YP\AJ	Ok
20	Q1675-21	FE053084.D	31 Mar 2025 21:34	YP\AJ	Ok
21	I.BLK	FE053085.D	31 Mar 2025 22:35	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE033125AL

Review By	yogesh	Review On	3/31/2025 12:29:00 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:46 AM		
SubDirectory	FE033125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	20 PPM ALIPHATIC HC STD	FE053086.D	31 Mar 2025 23:05	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE040125AL

Review By	yogesh	Review On	4/1/2025 10:49:14 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:54 AM		
SubDirectory	FE040125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053087.D	01 Apr 2025 06:15	YP\AJ	Ok
2	I.BLK	FE053088.D	01 Apr 2025 06:45	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE053089.D	01 Apr 2025 07:15	YP\AJ	Ok
4	Q1675-05DL	FE053090.D	01 Apr 2025 08:15	YP\AJ	Ok,M
5	Q1675-18DL	FE053091.D	01 Apr 2025 08:45	YP\AJ	Ok
6	I.BLK	FE053092.D	01 Apr 2025 10:33	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FE053093.D	01 Apr 2025 11:03	YP\AJ	Ok
8	PB167403BL	FE053094.D	01 Apr 2025 15:26	YP\AJ	Ok
9	PB167403BS	FE053095.D	01 Apr 2025 15:56	YP\AJ	Ok
10	PB167403BSD	FE053096.D	01 Apr 2025 16:26	YP\AJ	Ok
11	Q1679-01	FE053097.D	01 Apr 2025 16:56	YP\AJ	Ok
12	Q1679-02	FE053098.D	01 Apr 2025 17:26	YP\AJ	Ok
13	Q1679-05	FE053099.D	01 Apr 2025 17:57	YP\AJ	Ok
14	Q1679-06	FE053100.D	01 Apr 2025 18:27	YP\AJ	Ok
15	Q1680-01	FE053101.D	01 Apr 2025 18:57	YP\AJ	Ok
16	Q1680-02	FE053102.D	01 Apr 2025 19:27	YP\AJ	Ok
17	Q1681-01	FE053103.D	01 Apr 2025 19:57	YP\AJ	Ok
18	Q1681-01D	FE053104.D	01 Apr 2025 20:27	YP\AJ	Ok
19	Q1681-01MS	FE053105.D	01 Apr 2025 20:57	YP\AJ	Ok
20	Q1681-01MSD	FE053106.D	01 Apr 2025 21:28	YP\AJ	Ok
21	Q1681-02	FE053107.D	01 Apr 2025 21:58	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE040125AL

Review By	yogesh	Review On	4/1/2025 10:49:14 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:54 AM		
SubDirectory	FE040125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FE053108.D	01 Apr 2025 22:58	YP\AJ	Ok
23	20 PPM ALIPHATIC HC STD	FE053109.D	01 Apr 2025 23:28	YP\AJ	Ok,M
24	Q1687-01	FE053110.D	02 Apr 2025 00:28	YP\AJ	Ok
25	Q1687-02	FE053111.D	02 Apr 2025 00:58	YP\AJ	Ok
26	Q1688-01	FE053112.D	02 Apr 2025 01:28	YP\AJ	Ok
27	Q1688-02	FE053113.D	02 Apr 2025 01:58	YP\AJ	Dilution
28	Q1692-01	FE053114.D	02 Apr 2025 02:29	YP\AJ	Dilution
29	Q1692-02	FE053115.D	02 Apr 2025 02:58	YP\AJ	Ok
30	I.BLK	FE053116.D	02 Apr 2025 03:58	YP\AJ	Ok
31	20 PPM ALIPHATIC HC STD	FE053117.D	02 Apr 2025 04:28	YP\AJ	Ok
32	PB167416BL	FE053118.D	02 Apr 2025 05:29	YP\AJ	Ok
33	PB167416BS	FE053119.D	02 Apr 2025 05:59	YP\AJ	Ok
34	PB167416BSD	FE053120.D	02 Apr 2025 06:29	YP\AJ	Ok
35	Q1687-01D	FE053121.D	02 Apr 2025 06:59	YP\AJ	Ok
36	Q1687-01MS	FE053122.D	02 Apr 2025 07:29	YP\AJ	Ok,M
37	Q1687-01MSD	FE053123.D	02 Apr 2025 07:59	YP\AJ	Ok
38	I.BLK	FE053124.D	02 Apr 2025 08:29	YP\AJ	Ok
39	20 PPM ALIPHATIC HC STD	FE053125.D	02 Apr 2025 08:59	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE032925AL

Review By	yogesh	Review On	3/28/2025 1:29:33 PM		
Supervise By	mohammad	Supervise On	4/1/2025 1:30:29 AM		
SubDirectory	FE032925AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053055.D	28 Mar 2025 22:09		YP\AJ	Ok
2	I.BLK	I.BLK	FE053056.D	28 Mar 2025 22:39		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE053057.D	28 Mar 2025 23:09		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE053058.D	29 Mar 2025 00:09		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053059.D	29 Mar 2025 00:39		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE053060.D	29 Mar 2025 01:09		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE053061.D	29 Mar 2025 01:39		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053062.D	29 Mar 2025 02:10		YP\AJ	Ok
9	I.BLK	I.BLK	FE053063.D	29 Mar 2025 03:10		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053064.D	29 Mar 2025 03:40		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE033125AL

Review By	yogesh	Review On	3/31/2025 12:29:00 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:46 AM		
SubDirectory	FE033125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053065.D	31 Mar 2025 08:28		YP\AJ	Ok
2	I.BLK	I.BLK	FE053066.D	31 Mar 2025 08:58		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053067.D	31 Mar 2025 12:00		YP\AJ	Ok
4	Q1657-01DL	72-11998DL	FE053068.D	31 Mar 2025 12:30		YP\AJ	Ok
5	I.BLK	I.BLK	FE053069.D	31 Mar 2025 13:30		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053070.D	31 Mar 2025 14:00		YP\AJ	Ok
7	PB167382BL	PB167382BL	FE053071.D	31 Mar 2025 15:01		YP\AJ	Ok
8	PB167382BS	PB167382BS	FE053072.D	31 Mar 2025 15:31		YP\AJ	Ok,M
9	PB167382BSD	PB167382BSD	FE053073.D	31 Mar 2025 16:01		YP\AJ	Ok,M
10	Q1675-01	P1	FE053074.D	31 Mar 2025 16:32		YP\AJ	Ok
11	Q1675-02	P2	FE053075.D	31 Mar 2025 17:02		YP\AJ	Ok
12	Q1675-02MS	P2MS	FE053076.D	31 Mar 2025 17:33	FE053075.D	YP\AJ	Ok
13	Q1675-02MSD	P2MSD	FE053077.D	31 Mar 2025 18:03	FE053075.D!FE053076.D	YP\AJ	Ok
14	Q1675-03	P3	FE053078.D	31 Mar 2025 18:33		YP\AJ	Ok
15	Q1675-05	P5	FE053079.D	31 Mar 2025 19:03	need 20x dilution	YP\AJ	Dilution
16	Q1675-06	P6	FE053080.D	31 Mar 2025 19:34		YP\AJ	Ok
17	Q1675-18	K1P	FE053081.D	31 Mar 2025 20:04	need 2x dilution	YP\AJ	Dilution
18	Q1675-19	K1	FE053082.D	31 Mar 2025 20:34		YP\AJ	Ok

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE033125AL

Review By	yogesh	Review On	3/31/2025 12:29:00 PM		
Supervise By	mohammad	Supervise On	4/2/2025 1:16:46 AM		
SubDirectory	FE033125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1675-20	K2	FE053083.D	31 Mar 2025 21:04		YP\AJ	Ok
20	Q1675-21	K3	FE053084.D	31 Mar 2025 21:34		YP\AJ	Ok
21	I.BLK	I.BLK	FE053085.D	31 Mar 2025 22:35		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053086.D	31 Mar 2025 23:05		YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE040125AL

Review By	yogesh	Review On	4/1/2025 10:49:14 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:54 AM		
SubDirectory	FE040125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053087.D	01 Apr 2025 06:15		YP\AJ	Ok
2	I.BLK	I.BLK	FE053088.D	01 Apr 2025 06:45		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053089.D	01 Apr 2025 07:15		YP\AJ	Ok
4	Q1675-05DL	P5DL	FE053090.D	01 Apr 2025 08:15		YP\AJ	Ok,M
5	Q1675-18DL	K1PDL	FE053091.D	01 Apr 2025 08:45		YP\AJ	Ok
6	I.BLK	I.BLK	FE053092.D	01 Apr 2025 10:33		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053093.D	01 Apr 2025 11:03		YP\AJ	Ok
8	PB167403BL	PB167403BL	FE053094.D	01 Apr 2025 15:26		YP\AJ	Ok
9	PB167403BS	PB167403BS	FE053095.D	01 Apr 2025 15:56		YP\AJ	Ok
10	PB167403BSD	PB167403BSD	FE053096.D	01 Apr 2025 16:26		YP\AJ	Ok
11	Q1679-01	TP-10	FE053097.D	01 Apr 2025 16:56		YP\AJ	Ok
12	Q1679-02	TP-10-EPH	FE053098.D	01 Apr 2025 17:26		YP\AJ	Ok
13	Q1679-05	TP-9	FE053099.D	01 Apr 2025 17:57		YP\AJ	Ok
14	Q1679-06	TP-9-EPH	FE053100.D	01 Apr 2025 18:27		YP\AJ	Ok
15	Q1680-01	TP-4	FE053101.D	01 Apr 2025 18:57		YP\AJ	Ok
16	Q1680-02	TP-4-EPH	FE053102.D	01 Apr 2025 19:27		YP\AJ	Ok
17	Q1681-01	TP-12	FE053103.D	01 Apr 2025 19:57		YP\AJ	Ok
18	Q1681-01D	Q1681-01D	FE053104.D	01 Apr 2025 20:27		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE040125AL

Review By	yogesh	Review On	4/1/2025 10:49:14 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:54 AM		
SubDirectory	FE040125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1681-01MS	TP-12MS	FE053105.D	01 Apr 2025 20:57	FE053103.D	YP\AJ	Ok
20	Q1681-01MSD	TP-12MSD	FE053106.D	01 Apr 2025 21:28	FE053103.D!FE053105.D	YP\AJ	Ok
21	Q1681-02	TP-12-EPH	FE053107.D	01 Apr 2025 21:58		YP\AJ	Ok
22	I.BLK	I.BLK	FE053108.D	01 Apr 2025 22:58		YP\AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053109.D	01 Apr 2025 23:28		YP\AJ	Ok,M
24	Q1687-01	72-12016	FE053110.D	02 Apr 2025 00:28		YP\AJ	Ok
25	Q1687-02	72-12016-E2	FE053111.D	02 Apr 2025 00:58		YP\AJ	Ok
26	Q1688-01	OR-02-040125	FE053112.D	02 Apr 2025 01:28		YP\AJ	Ok
27	Q1688-02	OR-02-040125-E2	FE053113.D	02 Apr 2025 01:58	Need 2X	YP\AJ	Dilution
28	Q1692-01	NB-08-04012025	FE053114.D	02 Apr 2025 02:29	Need 5X	YP\AJ	Dilution
29	Q1692-02	NB-08-04012025-E2	FE053115.D	02 Apr 2025 02:58		YP\AJ	Ok
30	I.BLK	I.BLK	FE053116.D	02 Apr 2025 03:58		YP\AJ	Ok
31	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053117.D	02 Apr 2025 04:28		YP\AJ	Ok
32	PB167416BL	PB167416BL	FE053118.D	02 Apr 2025 05:29		YP\AJ	Ok
33	PB167416BS	PB167416BS	FE053119.D	02 Apr 2025 05:59		YP\AJ	Ok
34	PB167416BSD	PB167416BSD	FE053120.D	02 Apr 2025 06:29		YP\AJ	Ok
35	Q1687-01D	Q1687-01D	FE053121.D	02 Apr 2025 06:59		YP\AJ	Ok
36	Q1687-01MS	72-12016MS	FE053122.D	02 Apr 2025 07:29	FE053110.D	YP\AJ	Ok,M
37	Q1687-01MSD	72-12016MSD	FE053123.D	02 Apr 2025 07:59	FE053110.D!FE053122.D	YP\AJ	Ok

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE040125AL

Review By	yogesh	Review On	4/1/2025 10:49:14 AM		
Supervise By	mohammad	Supervise On	4/3/2025 1:37:54 AM		
SubDirectory	FE040125AL	HP Acquire Method		HP Processing Method	FE032925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	I.BLK	I.BLK	FE053124.D	02 Apr 2025 08:29		YP\AJ	Ok
39	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053125.D	02 Apr 2025 08:59		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167382

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/31/2025
Matrix :	Solid			**Extraction Start Time :**	09:40
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/31/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24210
N/A	N/A	N/A	N/A
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	EP2591
Baked Na2SO4	N/A	EP2595
Sand	N/A	E2865
Methylene Chloride	N/A	E3904
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:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25	RP (Ext. Lab)	YP-PESHPCD
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167382

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167382BL	PB167382BL	EPH_F2	30.02	N/A	ritesh	Evelyn	2			U2-1
PB167382BS	PB167382BS	EPH_F2	30.03	N/A	ritesh	Evelyn	2			2
PB167382BSD	PB167382BSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			3
Q1675-01	P1	EPH_F2	30.03	N/A	ritesh	Evelyn	2	E	Stone	4
Q1675-02	P2	EPH_F2	30.08	N/A	ritesh	Evelyn	2	A	Stone	5
Q1675-02MS	P2MS	EPH_F2	30.05	N/A	ritesh	Evelyn	2	A	Stone	6
Q1675-02MSD	P2MSD	EPH_F2	30.04	N/A	ritesh	Evelyn	2	A	Stone	U3-1
Q1675-03	P3	EPH_F2	30.06	N/A	ritesh	Evelyn	2	A	Stone	2
Q1675-05	P5	EPH_F2	30.02	N/A	ritesh	Evelyn	2	E	Stone	3
Q1675-06	P6	EPH_F2	30.01	N/A	ritesh	Evelyn	2	E	Stone	4
Q1675-18	K1P	EPH_F2	30.07	N/A	ritesh	Evelyn	2		Stone	5
Q1675-19	K1	EPH_F2	30.03	N/A	ritesh	Evelyn	2		Stone	6
Q1675-20	K2	EPH_F2	30.08	N/A	ritesh	Evelyn	2	A	Stone	U6-1
Q1675-21	K3	EPH_F2	30.01	N/A	ritesh	Evelyn	2	A	Stone	2

* Extracts relinguished on the same date as received.

3/31/25

167382
fv

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1675 **WorkList ID :** 188632 **Department :** Extraction **Date :** 03-31-2025 08:17:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1672-01	TP-8	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/27/2025	NJEPH
Q1672-02	TP-8-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	03/27/2025	NJEPH
Q1674-01	RT5358	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	03/28/2025	NJEPH
Q1674-03	72-11991	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	03/28/2025	NJEPH
Q1675-01	P1	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-02	P2	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-03	P3	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-05	P5	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-06	P6	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-13	D1	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-14	D2	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-15	D3	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-16	D4	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-17	D5	Solid	EPH_NF	Cool 4 deg C	GENV01	I31	03/27/2025	NJEPH
Q1675-18	K1P	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH
Q1675-19	K1	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH
Q1675-20	K2	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH
Q1675-21	K3	Solid	EPH_F2	Cool 4 deg C	GENV01	I31	03/28/2025	NJEPH

870 of 879

Date/Time 03/31/25 9:25
Raw Sample Received by: RJ (Eagle Labs)
Raw Sample Relinquished by: SH

Date/Time 03/31/25 10:00
Raw Sample Received by: SH
Raw Sample Relinquished by: RJ (Eagle Labs)

Q1675

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

LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-01	**P1**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-02	**P2**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-03	**P3**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-05	**P5**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-05DL	**P5DL**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	04/01/25	
Q1675-06	**P6**	**Solid**			**03/27/25**			**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25	
Q1675-13	**D1**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-14	**D2**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
			EPH_NF	NJEPH		03/31/25	04/01/25	
Q1675-15	**D3**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-16	**D4**	**Solid**			**03/27/25**			**03/28/25**
			EPH_NF	NJEPH		03/31/25	03/31/25	
Q1675-17	**D5**	**Solid**			**03/27/25**			**03/28/25**

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

LAB CHRONICLE

			EPH_NF	NJEPH		03/31/25	03/31/25
			EPH_NF	NJEPH		03/31/25	04/01/25
Q1675-18	**K1P**	**Solid**			**03/28/25**		**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25
Q1675-18DL	**K1PDL**	**Solid**			**03/28/25**		**03/28/25**
			EPH_F2	NJEPH		03/31/25	04/01/25
Q1675-19	**K1**	**Solid**			**03/28/25**		**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25
Q1675-20	**K2**	**Solid**			**03/28/25**		**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25
Q1675-21	**K3**	**Solid**			**03/28/25**		**03/28/25**
			EPH_F2	NJEPH		03/31/25	03/31/25

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1675
QUOTE NO.
COC Number 2045870

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE Lane
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION: GL
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STOCKTON
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail: gary@g-environmental.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3X EPH-3 days 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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☒ EDD FORMAT Waste edd.

ANALYSIS

1: Soil VOC + SPLP
2
3. EPH Cat 1 (contingent 2-methylnaphthalene + naphthalene SPLP)
4
5
6
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8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	P1	Soil		X	3/27/25	0854		X		X							
2.	P2					0856				X							
3.	P3					0900				X							
4.	P4					0915				X							
5.	P5				3/27/25	0930		X		X							
6.	P6					0935				X							
7.	T1					1143		X									
8.	T2					1155		X									
9.	T3					1205		X									
	T4	Soil		X	3/27/25	1210		X									

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
	3/28/25 1100	1.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
		2.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments: EPH Cat 1 (contingent SPLP 2methylnaphthalene naphthalene) MTBE 3 DAY TAT 2methylnaphthalene/Naphthalene

Page ____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1675
COC Number 2045869

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY SUCCASUNNA STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STOCKTON
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GC
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY SUCCASUNNA STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) EPH 3 day TAT DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☒ EDD FORMAT hazsite, excel pdf

ANALYSIS

1: TCL VOCs TICs
2:
3: EPH C9-C44
4:
5:
6: Unfiltered
7: 2-methylnaphthalene
8: Naphthalene
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	T5	SOIL		X	3/27/25	1215		X								
2.	T6					1216		X								
3.	D1	SOIL				1221	1			X						
4.	D2					1228	1			X						
5.	D3					1230	1			X						
6.	D4					1245	1			X						
7.	D5	SOIL		X	3/27/25	1252	1			X						
8.																
9.																
10.																

Cont'd on next page of chain

PRESERVATIVES: 1 Ferm, 3 ICE

COMMENTS: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/28/25 1100	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 °C
Comments: EPH 3 day TAT

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1673
COC Number 2045978 3 of 3

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Secaucus STATE: NJ ZIP: 07096
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS:
CITY Secaucus STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) EPH 3 day DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ US EPA CLP
- ☐ Other
- ☐ EDD FORMAT

EPH Data continued PA-1

ANALYSIS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	K1P	Soil	X	X	3/28/25		1	X									
2.	K1	Soil		X			1	X									
3.	K2	Soil		X			2	X									
4.	K3	Soil		X	3/28/25	K3	2	X									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/28/25 1100	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8°C °C
Comments: EPH Data continued PA-1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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From: Gary Landis <gary@g-environmental.com>
Sent: Friday, March 28, 2025 12:39 PM
To: Yazmeen Gomez
Subject: Re: P-4 and P-6

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Secured by Check Point

Yes analyze for VOC and EPH. And there is no P4

Get Outlook for iOS

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, March 28, 2025 12:20 PM
To: Gary Landis <gary@g-environmental.com>
Subject: P-4 and P-6

Gary,

For the attached – we received VOC for P-6 but its not checked off on the COC – did you want us to analyze this for VOC?

Also, we didn't receive anything for sample P-4.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Gary Landis <gary@g-environmental.com>
Sent: Thursday, April 03, 2025 8:16 PM
To: Yazmeen Gomez
Subject: contingency analyses Q1675

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Analyze samples Q1675-18 to 21
K1P
K1
k2
K3

For 2-methylnaphthalene and naphthalene please.

Standard TAT

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488