

DATA PACKAGE

VOLATILE ORGANICS
GC SEMI-VOLATILES

PROJECT NAME : STOCKTON

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1851

ATTENTION : Gary Landis



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : G Environmental
 Project Location : NJ Project Number : - Stockton
 Laboratory Sample ID(s) : Q1851 Sampling Date(s) : 4/21/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,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."

Cover Page

Order ID : Q1851

Project ID : Stockton

Client : G Environmental

Lab Sample Number

Q1851-01
Q1851-02
Q1851-03
Q1851-04
Q1851-05
Q1851-06
Q1851-07

Client Sample Number

DP5
DP6
DP7
DP8
GP5
GP6
GP7

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: 4/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1851

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 04/21/2025.

B. Parameters

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

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. #138 68. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for GP6 [4-Bromofluorobenzene - 56%] this compound did not meet the NJDKQP criteria but met the in-house 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 %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone is passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

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.

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.

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

Signature_____

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1851

Test Name: EPH_NF

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 04/21/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: 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_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. 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 {Q1848-03MS} with File ID: FG015739.D recoveries met the requirements for all compounds except for Aliphatic C28-C40[29.9%], Aliphatic C9-C28[32.5%] Due to matrix interference.

The MSD {Q1848-03MSD} with File ID: FG015740.D recoveries met the acceptable requirements except for Aliphatic C28-C40[21.6%], Aliphatic C9-C28[30%] Due to matrix interference .

The RPD for {Q1848-03MSD} with File ID: FG015740.D met criteria except for Aliphatic C28-C40[32.2%] due to difference in results of MS and MSD .

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 .



E. Additional Comments:

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1851

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 04/25/2025

Hit Summary Sheet
SW-846

SDG No.: Q1851

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D

E

F

G

H

I

J



SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

Report of Analysis

Client:	G Environmental		Date Collected:	04/21/25	
Project:	Stockton		Date Received:	04/21/25	
Client Sample ID:	GP5		SDG No.:	Q1851	
Lab Sample ID:	Q1851-05		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	97.5	
Sample Wt/Vol:	5.12	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021948.D	1		04/21/25 15:08	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
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
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	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
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
78-93-3	2-Butanone	6.60	U	6.60	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
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
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
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
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP5	SDG No.:	Q1851
Lab Sample ID:	Q1851-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021948.D	1		04/21/25 15:08	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (74) - 130 (123)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		70 (38) - 130 (136)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.713			
540-36-3	1,4-Difluorobenzene	380000	8.616			
3114-55-4	Chlorobenzene-d5	315000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.346			

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP6	SDG No.:	Q1851
Lab Sample ID:	Q1851-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.9
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021967.D	1		04/23/25 13:29	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.50	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-65-0	Tert butyl alcohol	12.4	U	12.4	22.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.50	ug/Kg
67-64-1	Acetone	4.30	U	4.30	22.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.50	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.7	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.50	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	04/21/25	
Project:	Stockton		Date Received:	04/21/25	
Client Sample ID:	GP6		SDG No.:	Q1851	
Lab Sample ID:	Q1851-06		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	88.9	
Sample Wt/Vol:	6.19	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021967.D	1		04/23/25 13:29	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.83	U	0.83	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.50	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8		70 (63) - 130 (155)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (74) - 130 (123)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.0	*	70 (38) - 130 (136)	56%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	326000	7.707			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	448000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.346			

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP7	SDG No.:	Q1851
Lab Sample ID:	Q1851-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.2
Sample Wt/Vol:	7.26	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021950.D	1		04/21/25 15:54	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-65-0	Tert butyl alcohol	10.1	U	10.1	18.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.5	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	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
78-93-3	2-Butanone	4.80	U	4.80	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	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
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.5	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg
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	18.5	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	GP7	SDG No.:	Q1851
Lab Sample ID:	Q1851-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.2
Sample Wt/Vol:	7.26	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021950.D	1		04/21/25 15:54	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.67	U	0.67	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	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.9		70 (38) - 130 (136)	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.713			
540-36-3	1,4-Difluorobenzene	399000	8.615			
3114-55-4	Chlorobenzene-d5	345000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.346			

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

A

B

C

D

E

F

G

H

I

J

Surrogate Summary

SDG No.: **Q1851**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1851-05	GP5	1,2-Dichloroethane-d4	50	47.8	96	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	45.7	91	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.3	75	70 (38)	130 (136)
Q1851-06	GP6	1,2-Dichloroethane-d4	50	45.8	92	70 (63)	130 (155)
		Dibromofluoromethane	50	48.5	97	70 (70)	130 (134)
		Toluene-d8	50	46.5	93	70 (74)	130 (123)
		4-Bromofluorobenzene	50	28.1	56 *	70 (38)	130 (136)
Q1851-07	GP7	1,2-Dichloroethane-d4	50	53.9	108	70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103	70 (70)	130 (134)
		Toluene-d8	50	49.3	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.9	78	70 (38)	130 (136)
VY0421SBL01	VY0421SBL01	1,2-Dichloroethane-d4	50	50.5	101	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	47.9	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.1	80	70 (38)	130 (136)
VY0421SBS01	VY0421SBS01	1,2-Dichloroethane-d4	50	49.6	99	70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102	70 (70)	130 (134)
		Toluene-d8	50	51.0	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102	70 (38)	130 (136)
VY0421SBSD01	VY0421SBSD01	1,2-Dichloroethane-d4	50	50.5	101	70 (63)	130 (155)
		Dibromofluoromethane	50	51.9	104	70 (70)	130 (134)
		Toluene-d8	50	51.2	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.5	103	70 (38)	130 (136)
VY0423SBL01	VY0423SBL01	1,2-Dichloroethane-d4	50	51.1	102	70 (63)	130 (155)
		Dibromofluoromethane	50	50.0	100	70 (70)	130 (134)
		Toluene-d8	50	47.6	95	70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.5	77	70 (38)	130 (136)
VY0423SBS01	VY0423SBS01	1,2-Dichloroethane-d4	50	51.4	103	70 (63)	130 (155)
		Dibromofluoromethane	50	51.5	103	70 (70)	130 (134)
		Toluene-d8	50	52.0	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.6	101	70 (38)	130 (136)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021937.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0421SBS01	Chloromethane	20	20.3	ug/Kg	102			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	20.8	ug/Kg	104			40 (58)	160 (141)	
	Chloroethane	20	20.2	ug/Kg	101			40 (69)	160 (130)	
	Tert butyl alcohol	100	85.4	ug/Kg	85			70 (24)	130 (175)	
	1,1-Dichloroethene	20	18.9	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	97.7	ug/Kg	98			40 (60)	160 (131)	
	Carbon disulfide	20	17.9	ug/Kg	90			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			70 (77)	130 (129)	
	Methylene Chloride	20	19.9	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	2-Butanone	100	94.9	ug/Kg	95			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102			70 (80)	130 (126)	
	Benzene	20	20.6	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.1	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.9	ug/Kg	104			70 (82)	130 (125)	
	2-Hexanone	100	95.4	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	21.3	ug/Kg	106			70 (79)	130 (125)	
	Tetrachloroethene	20	22.0	ug/Kg	110			70 (83)	130 (125)	
	Chlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	m/p-Xylenes	40	40.3	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.6	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.6	ug/Kg	103			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/Kg	90			70 (77)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0421SBSD01	Chloromethane	20	18.8	ug/Kg	94	8		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.4	ug/Kg	92	4		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.3	ug/Kg	102	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.9	ug/Kg	95	6		40 (69)	160 (130)	30 (20)
	Tert butyl alcohol	100	95.7	ug/Kg	96	12		70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	18.8	ug/Kg	94	1		70 (79)	130 (121)	30 (20)
	Acetone	100	96.1	ug/Kg	96	2		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	17.3	ug/Kg	86	5		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97	1		70 (77)	130 (129)	30 (20)
	Methylene Chloride	20	20.1	ug/Kg	101	1		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.4	ug/Kg	102	2		70 (82)	130 (123)	30 (20)
	2-Butanone	100	97.3	ug/Kg	97	2		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.0	ug/Kg	100	3		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	0		70 (82)	130 (123)	30 (20)
	Chloroform	20	20.4	ug/Kg	102	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100	2		70 (80)	130 (126)	30 (20)
	Benzene	20	20.2	ug/Kg	101	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	0		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.4	ug/Kg	102	3		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.7	ug/Kg	104	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		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	19.8	ug/Kg	99	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.9	ug/Kg	110	6		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	99.9	ug/Kg	100	5		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.1	ug/Kg	106	0		70 (79)	130 (125)	30 (20)
	Tetrachloroethene	20	22.2	ug/Kg	111	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.4	ug/Kg	102	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.3	ug/Kg	97	0		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.2	ug/Kg	101	0		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	1		70 (83)	130 (123)	30 (20)
	Styrene	20	19.9	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.6	ug/Kg	108	5		70 (75)	130 (127)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	5		70 (77)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0423SBS01	Chloromethane	20	22.2	ug/Kg	111			40 (70)	160 (130)	
	Vinyl chloride	20	20.6	ug/Kg	103			70 (72)	130 (129)	
	Bromomethane	20	24.1	ug/Kg	121			40 (58)	160 (141)	
	Chloroethane	20	21.5	ug/Kg	108			40 (69)	160 (130)	
	Tert butyl alcohol	100	97.5	ug/Kg	98			70 (24)	130 (175)	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			70 (79)	130 (121)	
	Acetone	100	94.7	ug/Kg	95			40 (60)	160 (131)	
	Carbon disulfide	20	20.6	ug/Kg	103			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			70 (77)	130 (129)	
	Methylene Chloride	20	19.5	ug/Kg	98			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	2-Butanone	100	96.4	ug/Kg	96			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Chloroform	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			70 (80)	130 (126)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.4	ug/Kg	102			70 (79)	130 (125)	
	Tetrachloroethene	20	20.4	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	40.3	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.2	ug/Kg	101			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106			70 (77)	130 (127)	

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0421SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1851

SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021936.D

Lab Sample ID: VY0421SBL01

Date Analyzed: 04/21/2025

Time Analyzed: 09:42

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
VY0421SBS01	VY0421SBS01	VY021937.D	04/21/2025
VY0421SBSD01	VY0421SBSD01	VY021938.D	04/21/2025
GP5	Q1851-05	VY021948.D	04/21/2025
GP7	Q1851-07	VY021950.D	04/21/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0423SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1851

SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021963.D

Lab Sample ID: VY0423SBL01

Date Analyzed: 04/23/2025

Time Analyzed: 10:31

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
VY0423SBS01	VY0423SBS01	VY021964.D	04/23/2025
GP6	Q1851-06	VY021967.D	04/23/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
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
VSTDIC005	VSTDIC005	VY021656.D	03/27/2025	10:08
VSTDIC010	VSTDIC010	VY021657.D	03/27/2025	10:31
VSTDIC020	VSTDIC020	VY021658.D	03/27/2025	10:54
VSTDIC050	VSTDIC050	VY021659.D	03/27/2025	11:16
VSTDIC100	VSTDIC100	VY021660.D	03/27/2025	11:39
VSTDIC150	VSTDIC150	VY021661.D	03/27/2025	12:02

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
Lab File ID: VY021934.D BFB Injection Date: 04/21/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:38
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	19.2
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	88.8
175	5.0 - 9.0% of mass 174	6.8 (7.6) 1
176	95.0 - 101.0% of mass 174	85.7 (96.5) 1
177	5.0 - 9.0% of mass 176	5.8 (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	VY021935.D	04/21/2025	09:08
VY0421SBL01	VY0421SBL01	VY021936.D	04/21/2025	09:42
VY0421SBS01	VY0421SBS01	VY021937.D	04/21/2025	10:18
VY0421SBSD01	VY0421SBSD01	VY021938.D	04/21/2025	10:41
GP5	Q1851-05	VY021948.D	04/21/2025	15:08
GP7	Q1851-07	VY021950.D	04/21/2025	15:54

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
Lab File ID: VY021952.D BFB Injection Date: 04/22/2025
Instrument ID: MSVOA_Y BFB Injection Time: 11:33
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	16.9
75	30.0 - 60.0% of mass 95	49.7
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	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 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
VSTDIC005	VSTDIC005	VY021953.D	04/22/2025	13:39
VSTDIC010	VSTDIC010	VY021954.D	04/22/2025	14:44
VSTDIC020	VSTDIC020	VY021955.D	04/22/2025	15:07
VSTDIC050	VSTDIC050	VY021956.D	04/22/2025	15:29
VSTDIC100	VSTDIC100	VY021957.D	04/22/2025	15:52
VSTDIC150	VSTDIC150	VY021958.D	04/22/2025	16:15

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
Lab File ID: VY021961.D BFB Injection Date: 04/23/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:27
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	15.6
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	83.9
175	5.0 - 9.0% of mass 174	6.8 (8.1) 1
176	95.0 - 101.0% of mass 174	83 (99) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 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	VY021962.D	04/23/2025	09:57
VY0423SBL01	VY0423SBL01	VY021963.D	04/23/2025	10:31
VY0423SBS01	VY0423SBS01	VY021964.D	04/23/2025	11:07
GP6	Q1851-06	VY021967.D	04/23/2025	13:29

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
Lab File ID: VY021935.D Date Analyzed: 04/21/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:08
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	190380	7.71	283274	8.62	258729	11.42
UPPER LIMIT	380760	8.207	566548	9.116	517458	11.92
LOWER LIMIT	95190	7.207	141637	8.116	129365	10.92
EPA SAMPLE NO.						
GP5	202834	7.71	379948	8.62	314728	11.42
GP7	209157	7.71	398558	8.62	345335	11.42
VY0421SBL01	238181	7.71	431702	8.62	370399	11.42
VY0421SBS01	181890	7.71	285604	8.62	261318	11.42
VY0421SBSD01	184070	7.71	287552	8.62	258721	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
Lab File ID: VY021935.D Date Analyzed: 04/21/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:08
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	137455	13.347				
UPPER LIMIT	274910	13.847				
LOWER LIMIT	68727.5	12.847				
EPA SAMPLE NO.						
GP5	108735	13.35				
GP7	119952	13.35				
VY0421SBL01	140852	13.35				
VY0421SBS01	139221	13.35				
VY0421SBSD01	136375	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
Lab File ID: VY021962.D Date Analyzed: 04/23/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:57
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	304636	7.71	465219	8.62	430304	11.42
UPPER LIMIT	609272	8.213	930438	9.116	860608	11.92
LOWER LIMIT	152318	7.213	232610	8.116	215152	10.92
EPA SAMPLE NO.						
GP6	325896	7.71	599246	8.62	448094	11.41
VY0423SBL01	319981	7.71	599033	8.62	525205	11.42
VY0423SBS01	295173	7.71	458305	8.62	417679	11.42

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851
 Lab File ID: VY021962.D Date Analyzed: 04/23/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:57
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	227723	13.347				
UPPER LIMIT	455446	13.847				
LOWER LIMIT	113862	12.847				
EPA SAMPLE NO.						
GP6	115067	13.35				
VY0423SBL01	194434	13.35				
VY0423SBS01	221603	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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBL01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021936.D	1		04/21/25 09:42	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
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
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	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
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
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
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
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
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
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0423SBL01		SDG No.:	Q1851
Lab Sample ID:	VY0423SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021963.D	1		04/23/25 10:31	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
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
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	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
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
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
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
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
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
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBL01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021963.D	1		04/23/25 10:31	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (74) - 130 (123)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.6		70 (38) - 130 (136)	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.347			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBS01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021964.D	1		04/23/25 11:07	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	24.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	97.5		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.4		1.00	5.00	ug/Kg
67-64-1	Acetone	94.7		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.80	5.00	ug/Kg
78-93-3	2-Butanone	96.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.75	5.00	ug/Kg
67-66-3	Chloroform	20.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0423SBS01	SDG No.:	Q1851
Lab Sample ID:	VY0423SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021964.D	1		04/23/25 11:07	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.2		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	40.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	458000	8.616			
3114-55-4	Chlorobenzene-d5	418000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.346			

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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	VY0421SBSD01		SDG No.:	Q1851
Lab Sample ID:	VY0421SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021938.D	1		04/21/25 10:41	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	18.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.9		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	95.7		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	96.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	20.1		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	20.4		0.80	5.00	ug/Kg
78-93-3	2-Butanone	97.3		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	20.1		0.75	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.9		0.93	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	99.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.2		1.10	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0421SBSD01	SDG No.:	Q1851
Lab Sample ID:	VY0421SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021938.D	1		04/21/25 10:41	VY042125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.6		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.20	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	51.9		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	7.707			
540-36-3	1,4-Difluorobenzene	288000	8.616			
3114-55-4	Chlorobenzene-d5	259000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.346			

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
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	RRF	% RSD
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
Tert butyl alcohol	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.5
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
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
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
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
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
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
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
 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	RRF	% RSD
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
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY021953.D	RRF010 = VY021954.D	RRF020 = VY021955.D	RRF050 = VY021956.D	RRF100 = VY021957.D	RRF150 = VY021958.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Tert butyl alcohol	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.4
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF005 = VY021953.D			RRF010 = VY021954.D			RRF020 = VY021955.D		
RRF050 = VY021956.D			RRF100 = VY021957.D			RRF150 = VY021958.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/21/2025 09:08

Lab File ID: VY021935.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
Chloromethane	0.729	0.702	0.1	-3.7	20
Vinyl Chloride	0.824	0.744		-9.71	20
Bromomethane	0.562	0.523		-6.94	20
Chloroethane	0.539	0.517		-4.08	20
Tert butyl alcohol	0.035	0.028		-20	20
1,1-Dichloroethene	0.524	0.478		-8.78	20
Acetone	0.111	0.094		-15.31	20
Carbon Disulfide	1.727	1.492		-13.61	20
Methyl tert-butyl Ether	1.306	1.235		-5.44	20
Methylene Chloride	0.626	0.563		-10.06	20
trans-1,2-Dichloroethene	0.577	0.566		-1.91	20
1,1-Dichloroethane	1.049	1.036	0.1	-1.24	20
2-Butanone	0.158	0.139		-12.02	20
Carbon Tetrachloride	0.566	0.586		3.53	20
cis-1,2-Dichloroethene	0.649	0.652		0.46	20
Chloroform	1.091	1.093		0.18	20
1,1,1-Trichloroethane	0.986	0.967		-1.93	20
Benzene	1.479	1.553		5	20
1,2-Dichloroethane	0.417	0.437		4.8	20
Trichloroethene	0.377	0.408		8.22	20
1,2-Dichloropropane	0.350	0.371		6	20
Bromodichloromethane	0.523	0.556		6.31	20
4-Methyl-2-Pentanone	0.230	0.234		1.74	20
Toluene	0.923	1.009		9.32	20
t-1,3-Dichloropropene	0.465	0.482		3.66	20
cis-1,3-Dichloropropene	0.548	0.572		4.38	20
1,1,2-Trichloroethane	0.260	0.279		7.31	20
2-Hexanone	0.153	0.153		0	20
Dibromochloromethane	0.355	0.390		9.86	20
Tetrachloroethene	0.455	0.511		12.31	20
Chlorobenzene	1.146	1.190	0.3	3.84	20
Ethyl Benzene	1.965	2.069		5.29	20
m/p-Xylenes	0.753	0.805		6.91	20
o-Xylene	0.695	0.744		7.05	20
Styrene	1.158	1.284		10.88	20
Bromoform	0.232	0.245	0.1	5.6	20
1,1,2,2-Tetrachloroethane	0.668	0.595	0.3	-10.93	20
1,2-Dichloroethane-d4	0.542	0.519		-4.24	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/21/2025 09:08

Lab File ID: VY021935.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
Dibromofluoromethane	0.324	0.345		6.48	20
Toluene-d8	1.234	1.304		5.67	20
4-Bromofluorobenzene	0.417	0.441		5.76	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.607	0.595	0.1	-1.98	20
Vinyl Chloride	0.745	0.714		-4.16	20
Bromomethane	0.642	0.600		-6.54	20
Chloroethane	0.508	0.500		-1.58	20
Tert butyl alcohol	0.025	0.020		-20	20
1,1-Dichloroethene	0.497	0.472		-5.03	20
Acetone	0.070	0.055		-21.43	20
Carbon Disulfide	1.585	1.529		-3.53	20
Methyl tert-butyl Ether	1.113	1.042		-6.38	20
Methylene Chloride	0.584	0.518		-11.3	20
trans-1,2-Dichloroethene	0.557	0.547		-1.79	20
1,1-Dichloroethane	0.893	0.858	0.1	-3.92	20
2-Butanone	0.105	0.092		-12.38	20
Carbon Tetrachloride	0.530	0.526		-0.75	20
cis-1,2-Dichloroethene	0.622	0.605		-2.73	20
Chloroform	0.990	0.965		-2.53	20
1,1,1-Trichloroethane	0.896	0.858		-4.24	20
Benzene	1.387	1.381		-0.43	20
1,2-Dichloroethane	0.343	0.331		-3.5	20
Trichloroethene	0.384	0.371		-3.38	20
1,2-Dichloropropane	0.307	0.306		-0.33	20
Bromodichloromethane	0.480	0.479		-0.21	20
4-Methyl-2-Pentanone	0.160	0.152		-5	20
Toluene	0.898	0.927		3.23	20
t-1,3-Dichloropropene	0.411	0.401		-2.43	20
cis-1,3-Dichloropropene	0.489	0.487		-0.41	20
1,1,2-Trichloroethane	0.256	0.248		-3.13	20
2-Hexanone	0.106	0.100		-5.66	20
Dibromochloromethane	0.355	0.348		-1.97	20
Tetrachloroethene	0.472	0.451		-4.45	20
Chlorobenzene	1.118	1.095	0.3	-2.06	20
Ethyl Benzene	1.829	1.881		2.84	20
m/p-Xylenes	0.728	0.756		3.85	20
o-Xylene	0.671	0.693		3.28	20
Styrene	1.126	1.186		5.33	20
Bromoform	0.229	0.219	0.1	-4.37	20
1,1,2,2-Tetrachloroethane	0.563	0.526	0.3	-6.57	20
1,2-Dichloroethane-d4	0.462	0.438		-5.2	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.266		1.69	20
4-Bromofluorobenzene	0.419	0.422		0.72	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

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Time: Apr 22 02:45:51 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	202834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	379948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	108735	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104981	47.770	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.540%
35) Dibromofluoromethane	7.640	113	124478	50.505	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.020%
50) Toluene-d8	10.109	98	428087	45.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.320%
62) 4-Bromofluorobenzene	12.408	95	118391	37.330	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.660%

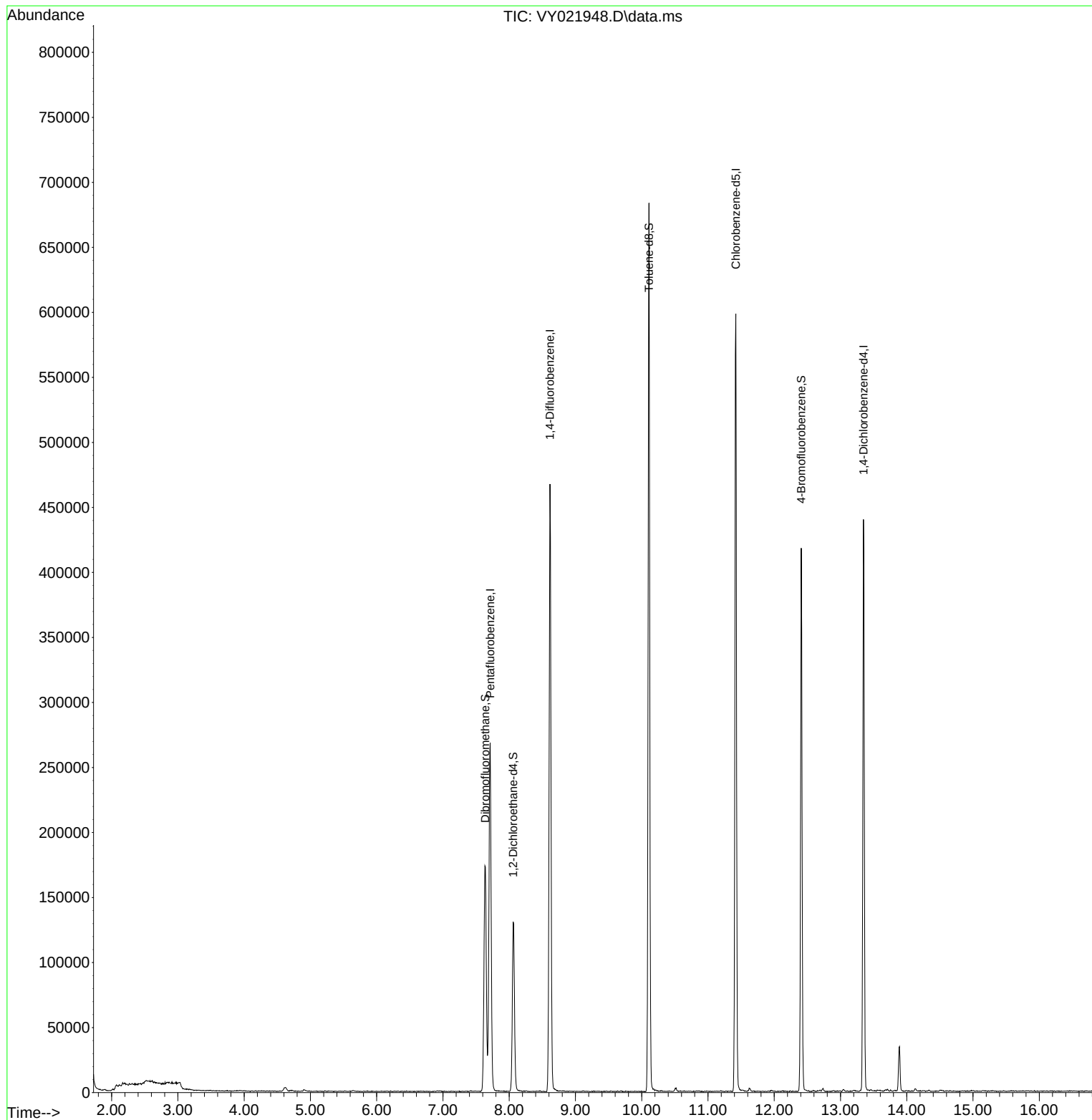
Target Compounds	Qvalue

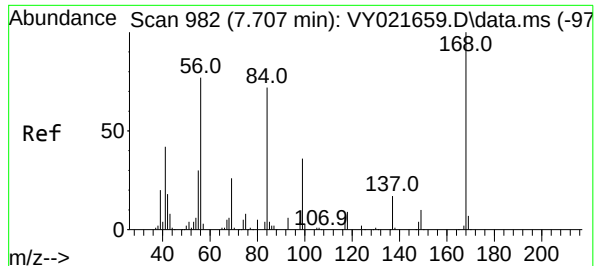
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

Quant Time: Apr 22 02:45:51 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

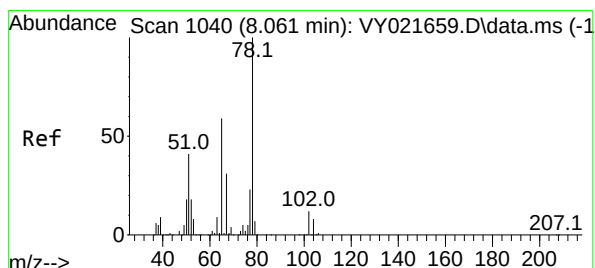
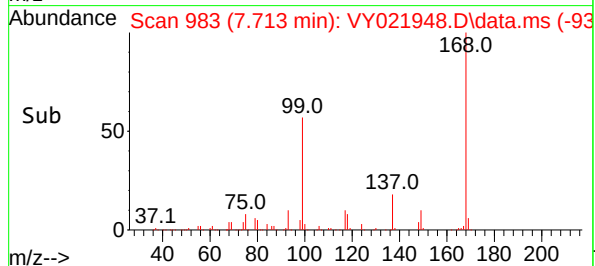
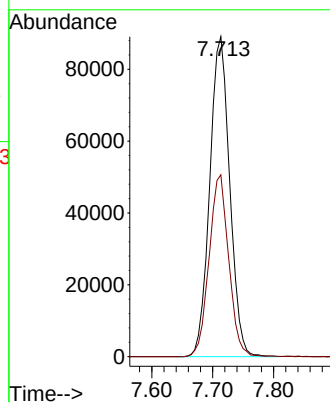
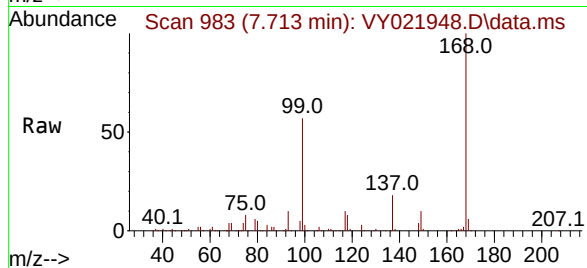




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

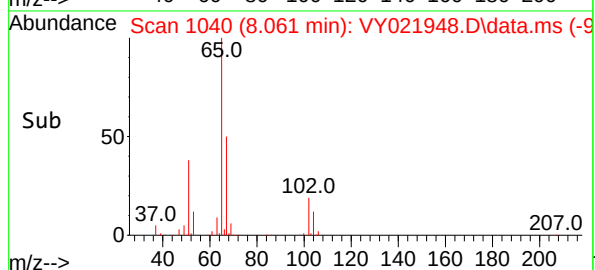
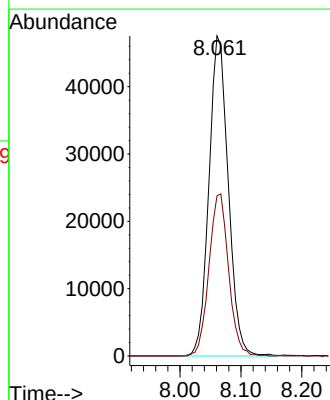
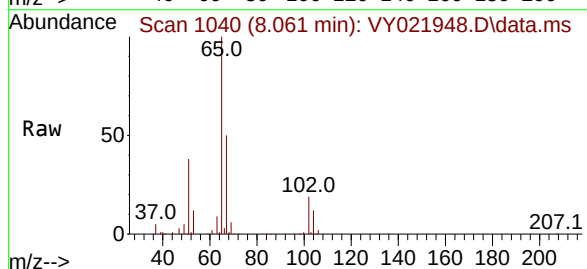
Instrument :
MSVOA_Y
ClientSampleId :
GP5

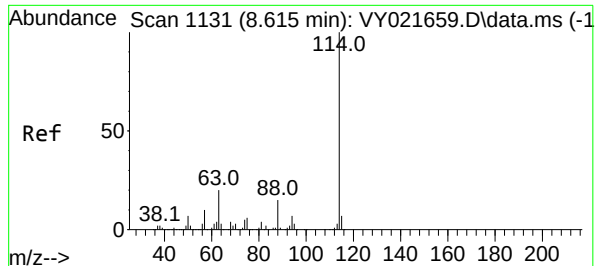
Tgt Ion:168 Resp: 202834
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 47.770 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021948.D
Acq: 21 Apr 2025 15:08

Tgt Ion: 65 Resp: 104981
Ion Ratio Lower Upper
65 100
67 51.3 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: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

GP5

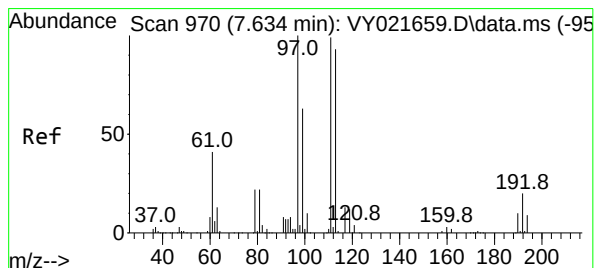
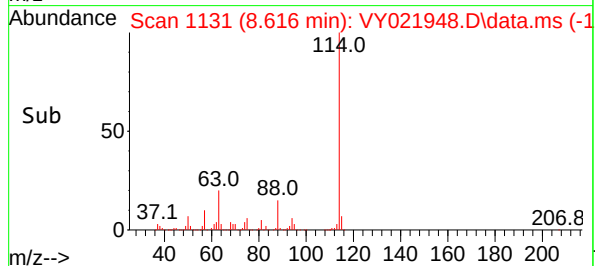
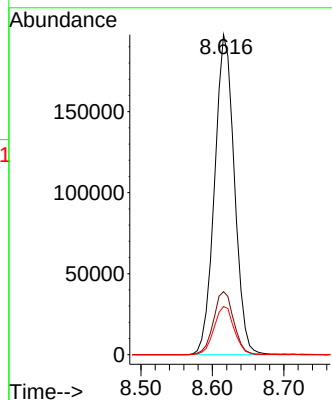
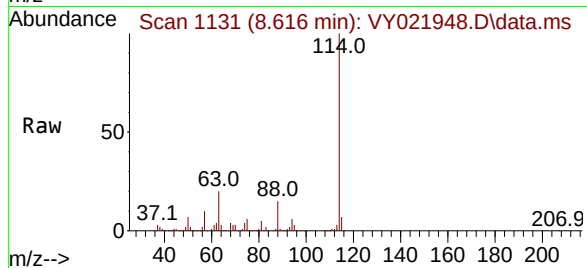
Tgt Ion:114 Resp: 379948

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.505 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

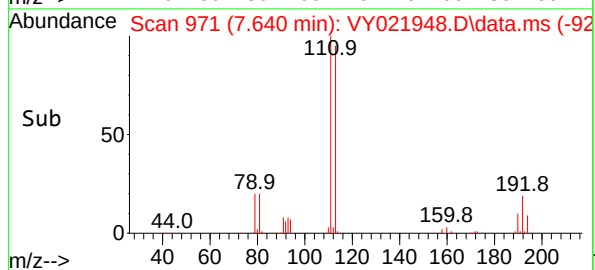
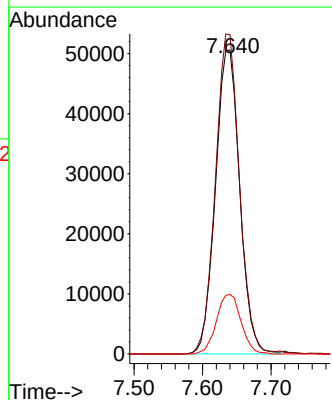
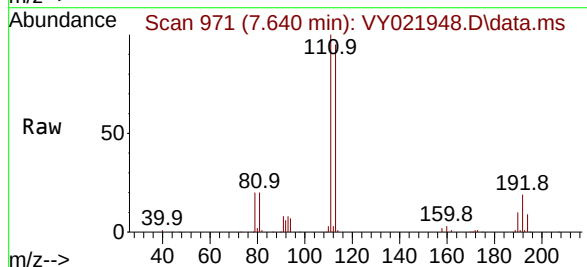
Tgt Ion:113 Resp: 124478

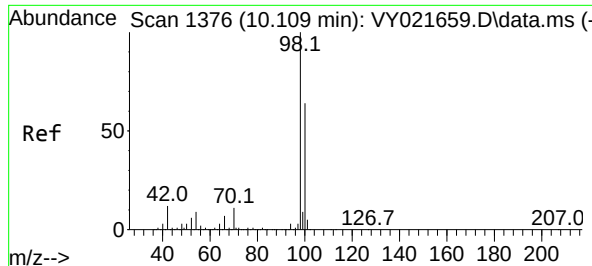
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 19.8 16.2 24.4





#50

Toluene-d8

Concen: 45.656 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

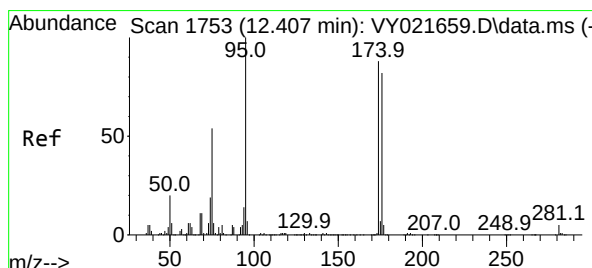
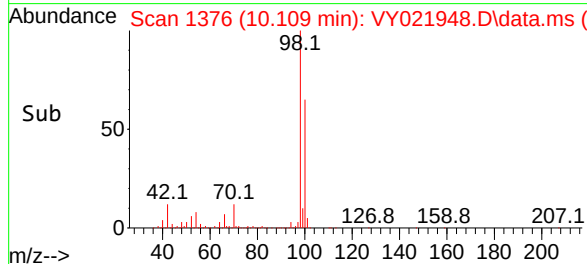
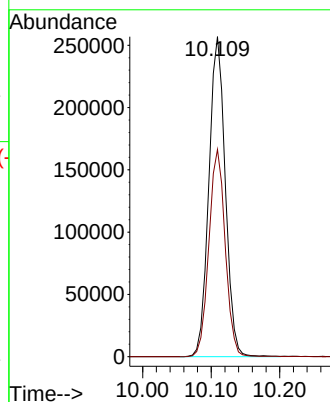
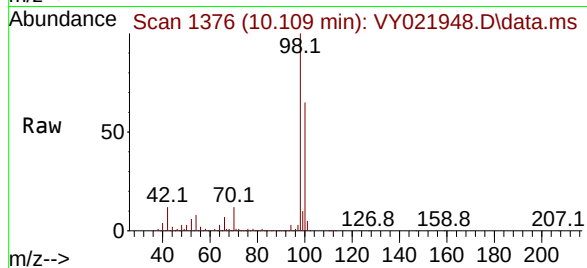
GP5

Tgt Ion: 98 Resp: 428087

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 37.330 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

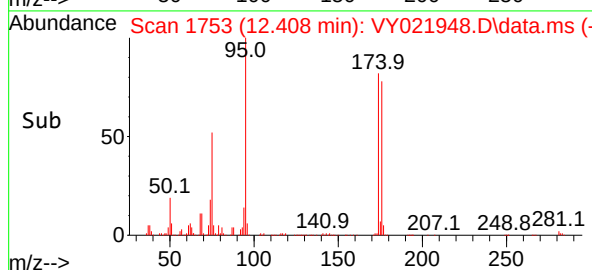
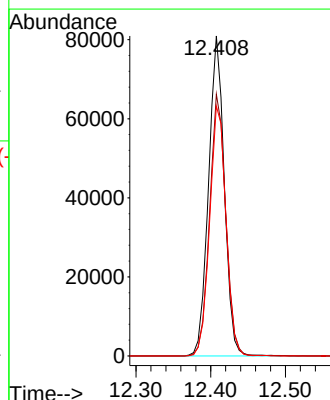
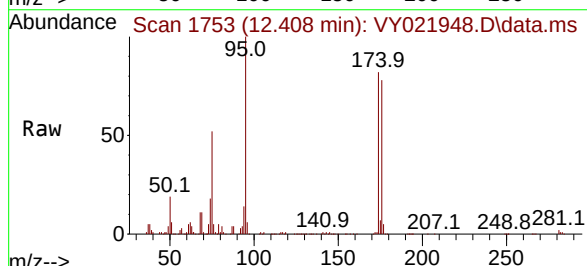
Tgt Ion: 95 Resp: 118391

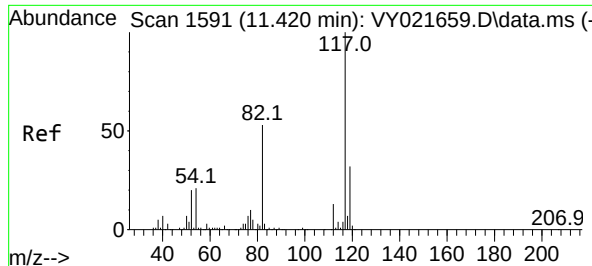
Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.8

176 81.0 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: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

GP5

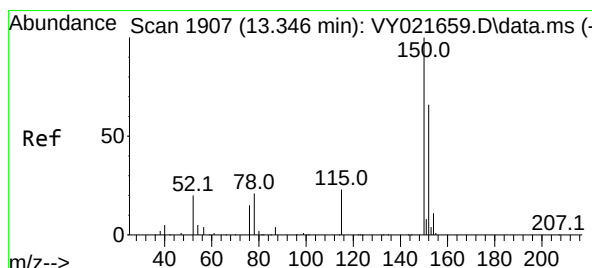
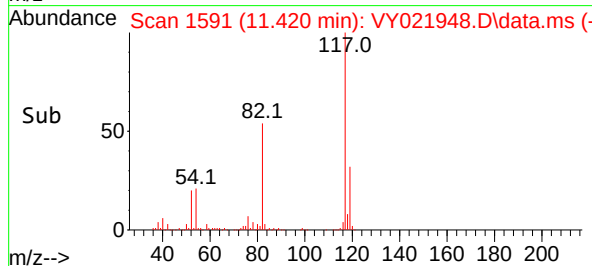
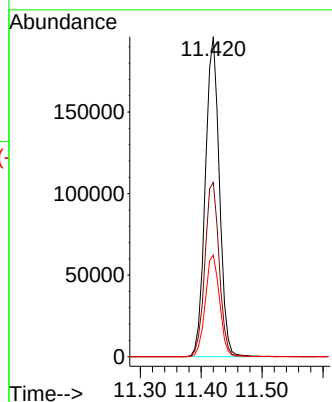
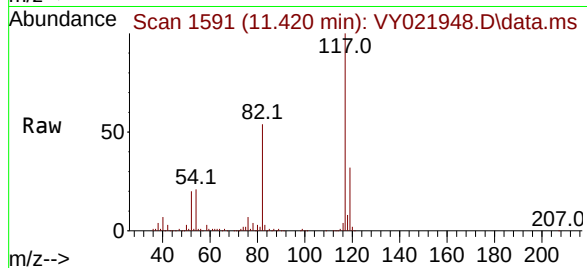
Tgt Ion:117 Resp: 314728

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

119 31.8 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: VY021948.D

Acq: 21 Apr 2025 15:08

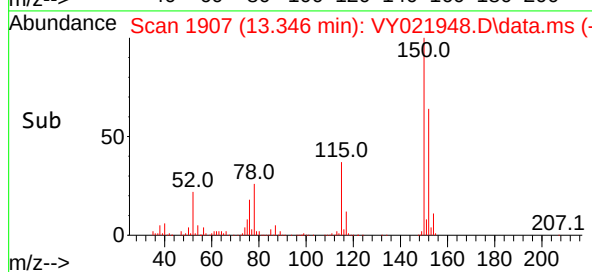
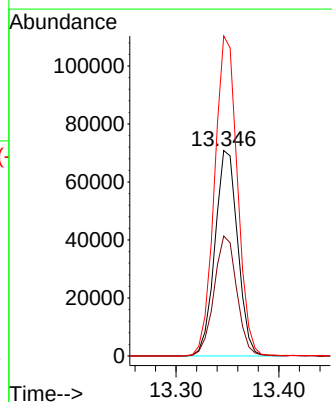
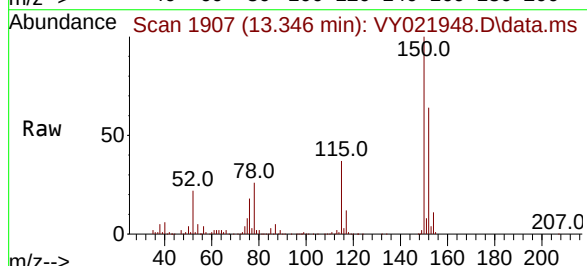
Tgt Ion:152 Resp: 108735

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 156.5 0.0 348.4



5

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021948.D
 Acq On : 21 Apr 2025 15:08
 Operator : SY/MD
 Sample : Q1851-05
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GP5

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: VY021948.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	958	970	976	rBV	173631	423405	36.81%	7.376%
2	7.713	976	983	994	rVB	267484	616717	53.62%	10.743%
3	8.061	1031	1040	1052	rBV	130390	294819	25.63%	5.136%
4	8.616	1122	1131	1141	rBV	467153	900407	78.28%	15.685%
5	10.109	1368	1376	1386	rBV	683464	1150252	100.00%	20.037%
6	11.420	1582	1591	1601	rBV	598334	981436	85.32%	17.096%
7	12.408	1744	1753	1769	rBV	417884	645605	56.13%	11.246%
8	13.346	1900	1907	1917	rBV	439138	670003	58.25%	11.671%
9	13.889	1990	1996	2005	rVB2	34313	57980	5.04%	1.010%

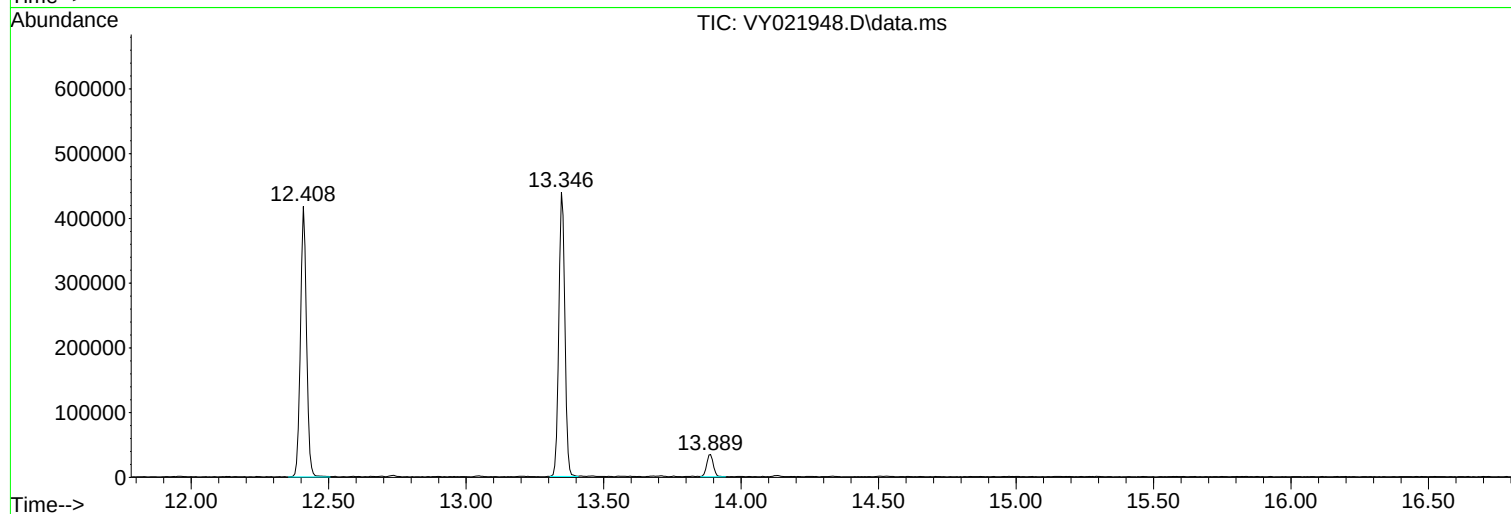
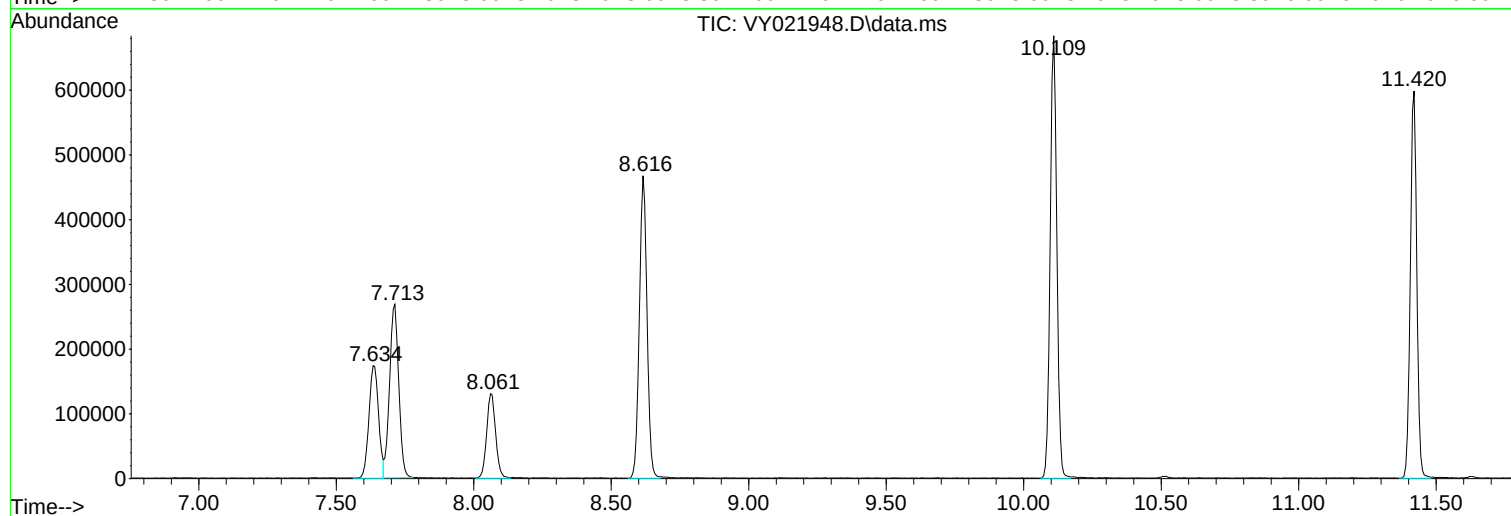
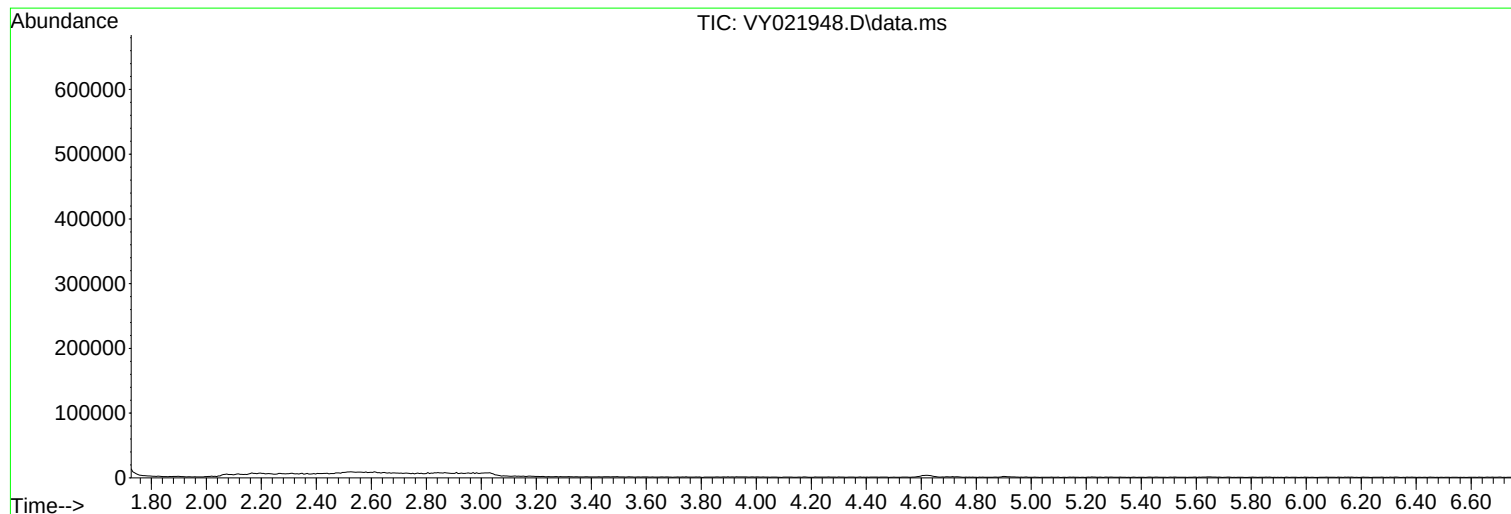
Sum of corrected areas: 5740624

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

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\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

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

5

A

B

C

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021948.D
Acq On : 21 Apr 2025 15:08
Operator : SY/MD
Sample : Q1851-05
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP5

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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Time: Apr 24 03:45:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	325896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	448094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115067	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137801	45.777	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.560%
35) Dibromofluoromethane	7.634	113	192150	48.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.109	98	694117	46.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.020%
62) 4-Bromofluorobenzene	12.408	95	140919	28.047	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.100%

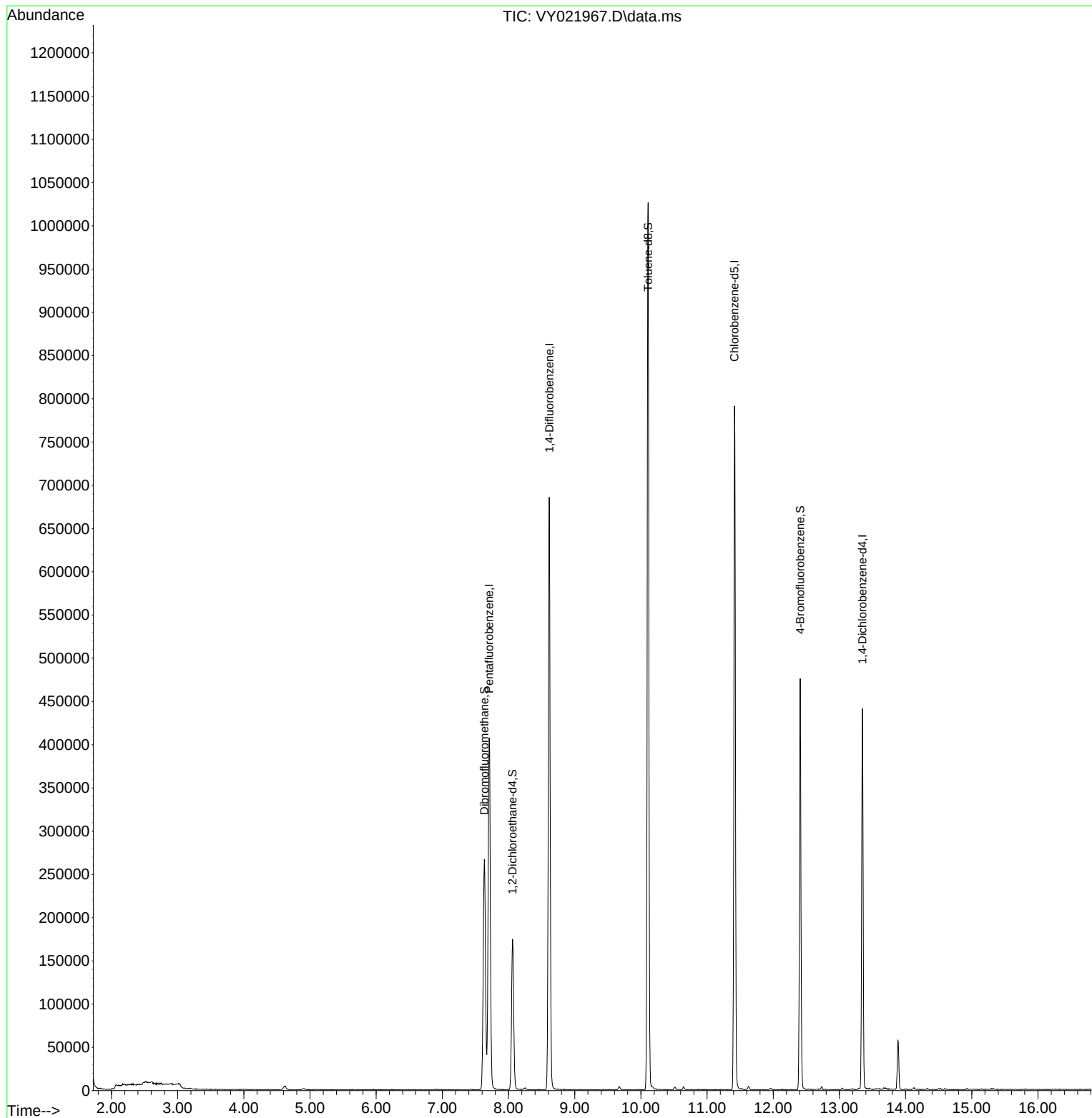
Target Compounds	Qvalue
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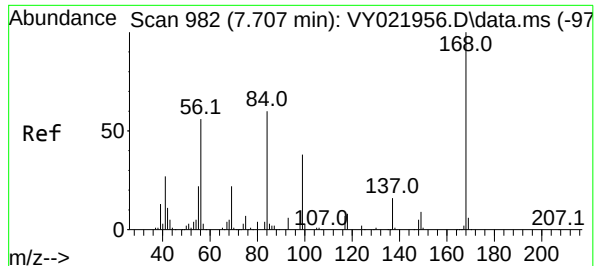
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Time: Apr 24 03:45:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

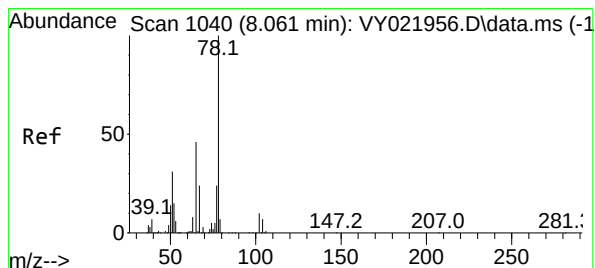
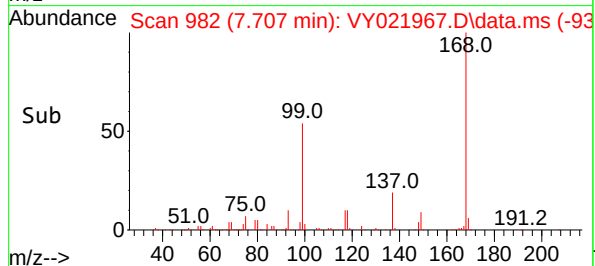
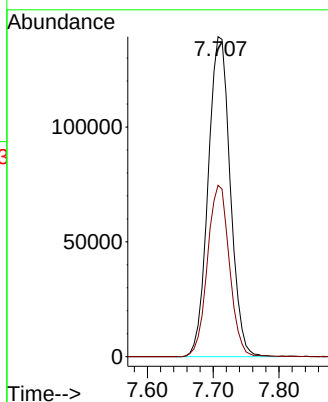
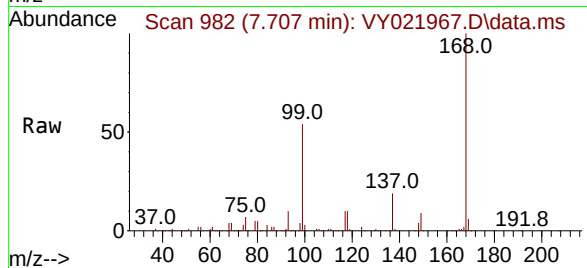




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

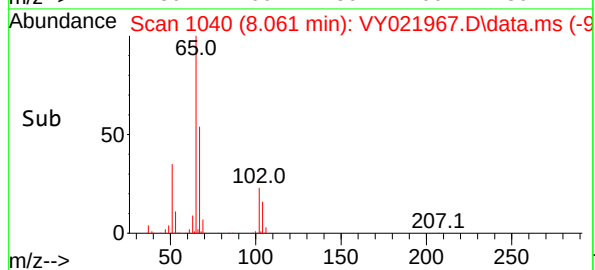
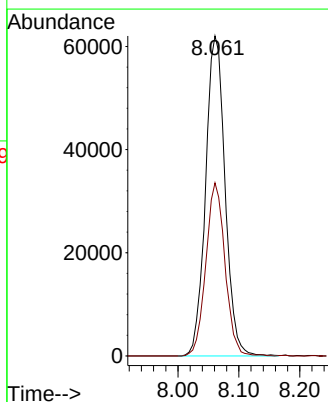
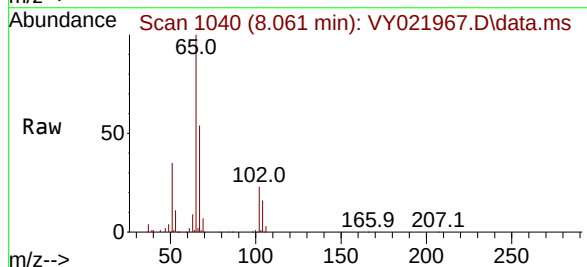
Instrument :
MSVOA_Y
ClientSampleId :
GP6

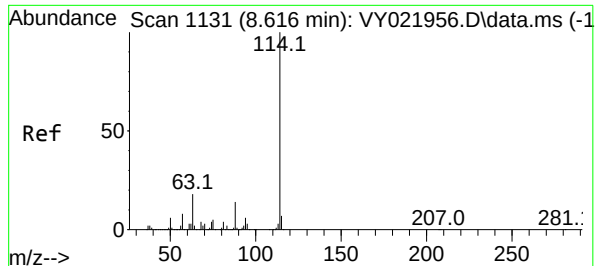
Tgt Ion:168 Resp: 325896
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 45.777 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021967.D
Acq: 23 Apr 2025 13:29

Tgt Ion: 65 Resp: 137801
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA_Y

ClientSampleId :

GP6

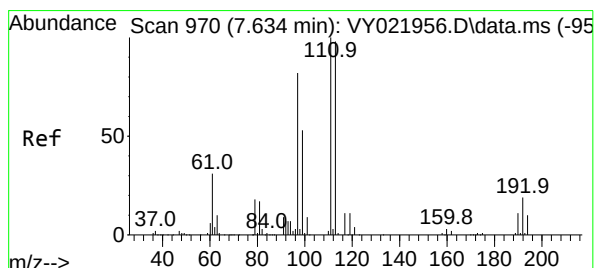
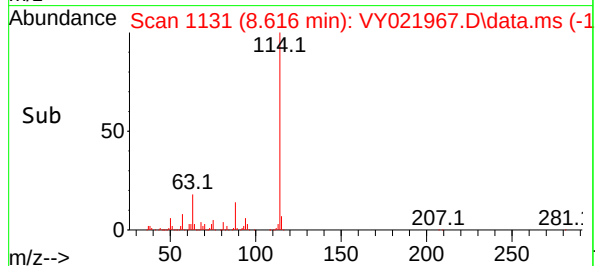
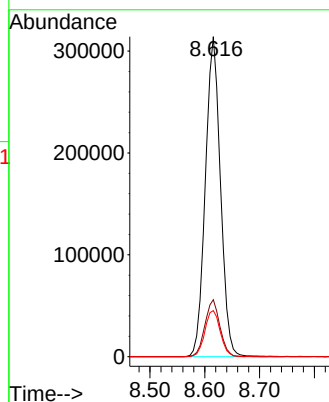
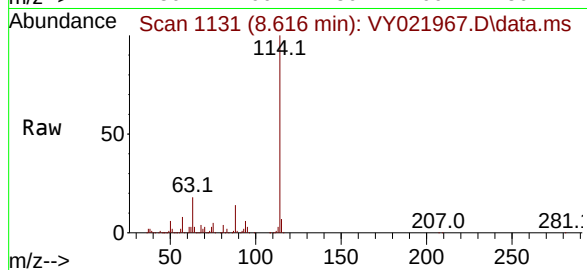
Tgt Ion:114 Resp: 599246

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.536 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

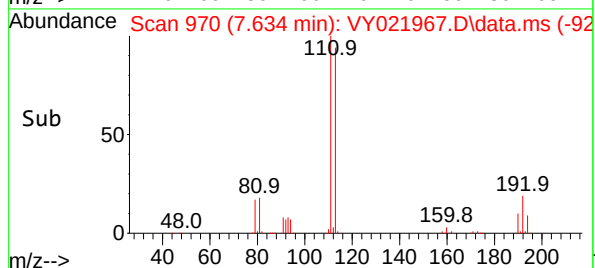
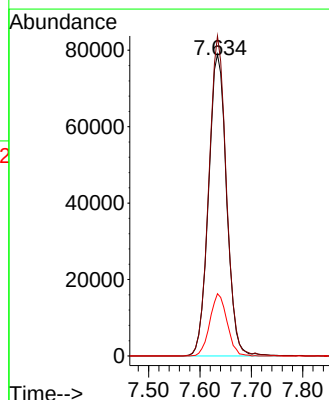
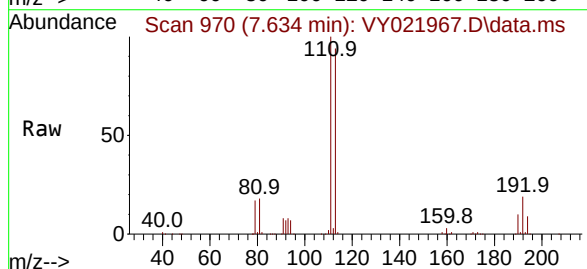
Tgt Ion:113 Resp: 192150

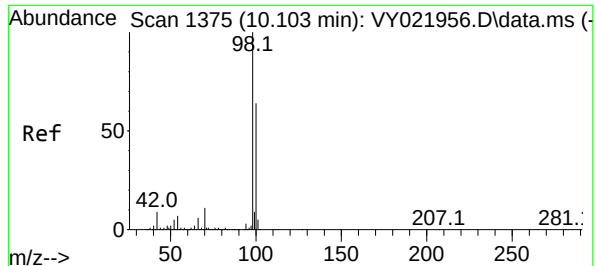
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 19.7 15.6 23.4





#50

Toluene-d8

Concen: 46.506 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA_Y

ClientSampleId :

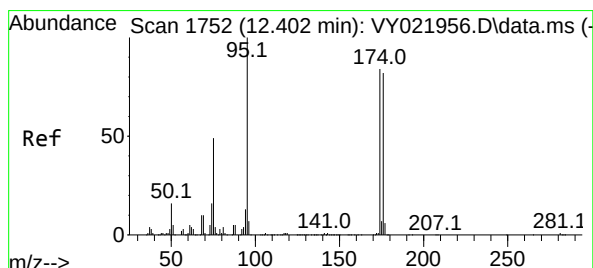
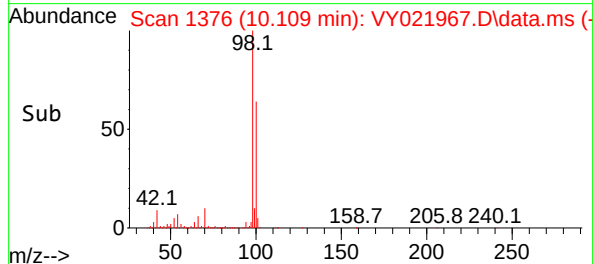
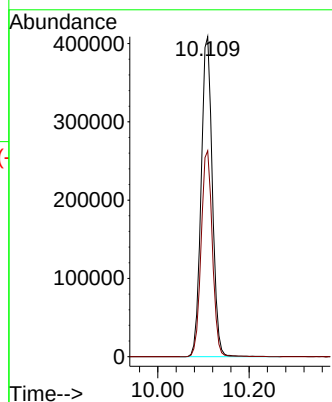
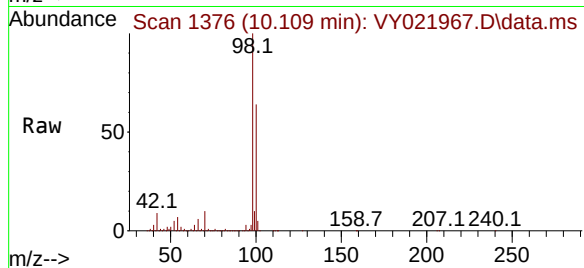
GP6

Tgt Ion: 98 Resp: 694117

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 28.047 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

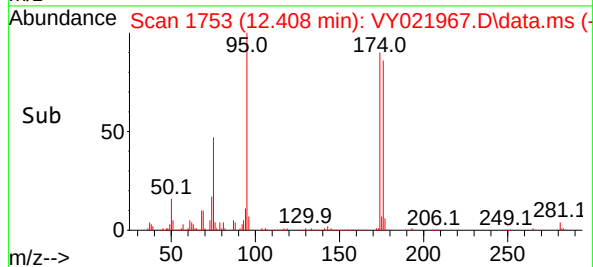
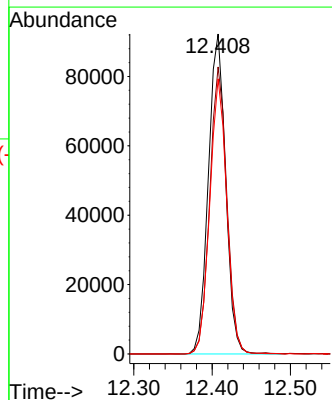
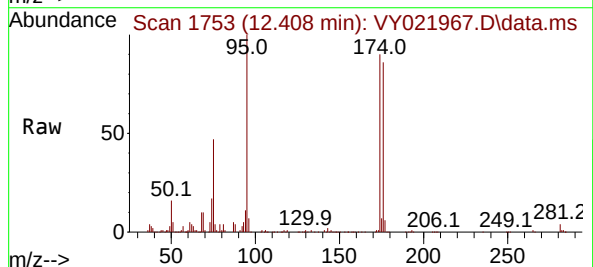
Tgt Ion: 95 Resp: 140919

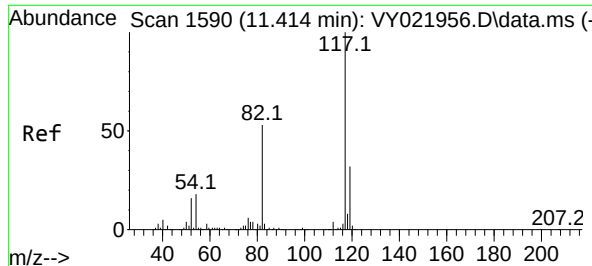
Ion Ratio Lower Upper

95 100

174 89.1 0.0 179.0

176 85.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA_Y

ClientSampleId :

GP6

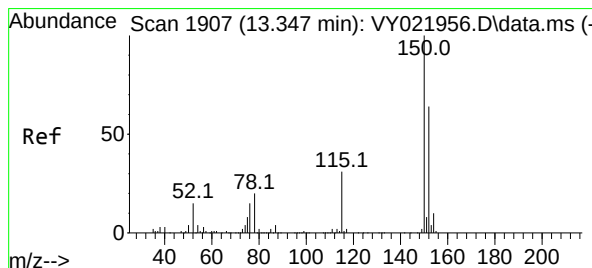
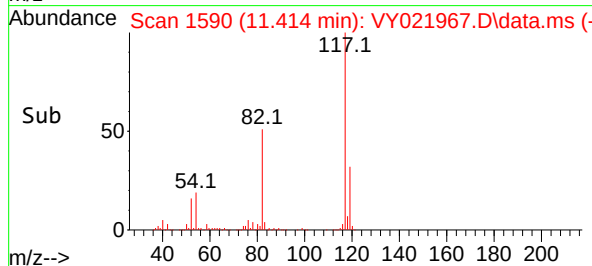
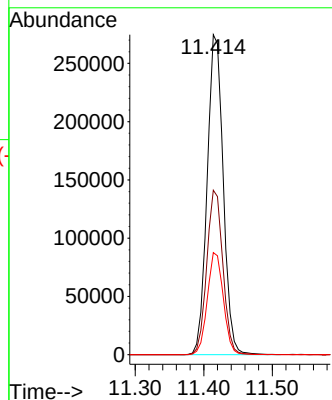
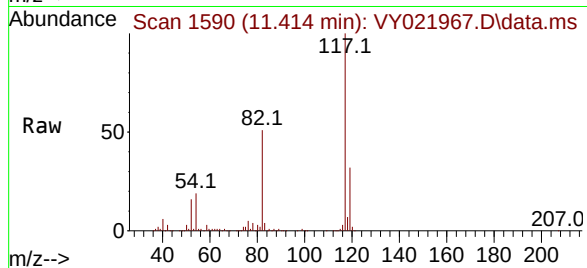
Tgt Ion:117 Resp: 448094

Ion Ratio Lower Upper

117 100

82 51.4 42.1 63.1

119 31.9 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: VY021967.D

Acq: 23 Apr 2025 13:29

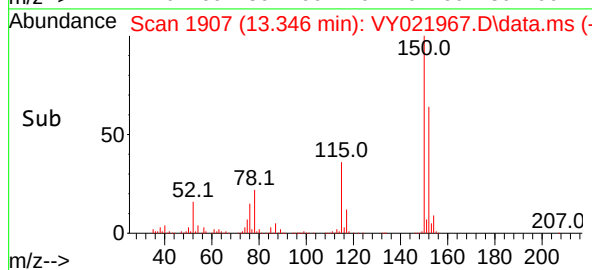
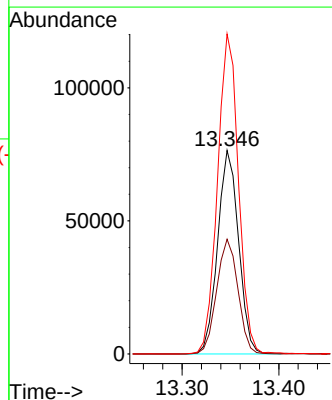
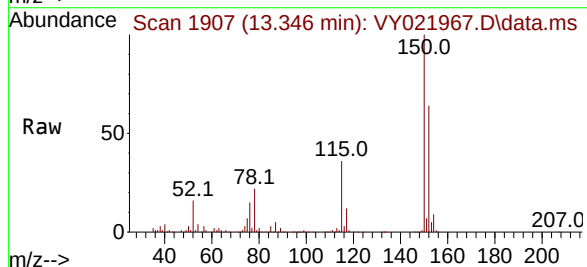
Tgt Ion:152 Resp: 115067

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 157.0 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

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\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY021967.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	958	970	976	rBV	266433	637865	36.17%	8.110%
2	7.707	976	982	999	rVB	406783	946861	53.69%	12.039%
3	8.061	1030	1040	1054	rBV	174302	389106	22.06%	4.947%
4	8.616	1121	1131	1147	rBV	685471	1322888	75.01%	16.820%
5	10.109	1368	1376	1393	rBV	1025917	1763708	100.00%	22.425%
6	11.414	1583	1590	1604	rBV	790877	1296996	73.54%	16.491%
7	12.408	1744	1753	1767	rBV	475474	746907	42.35%	9.497%
8	13.346	1900	1907	1914	rBV	439642	664933	37.70%	8.454%
9	13.883	1990	1995	2004	rVB2	56991	95581	5.42%	1.215%

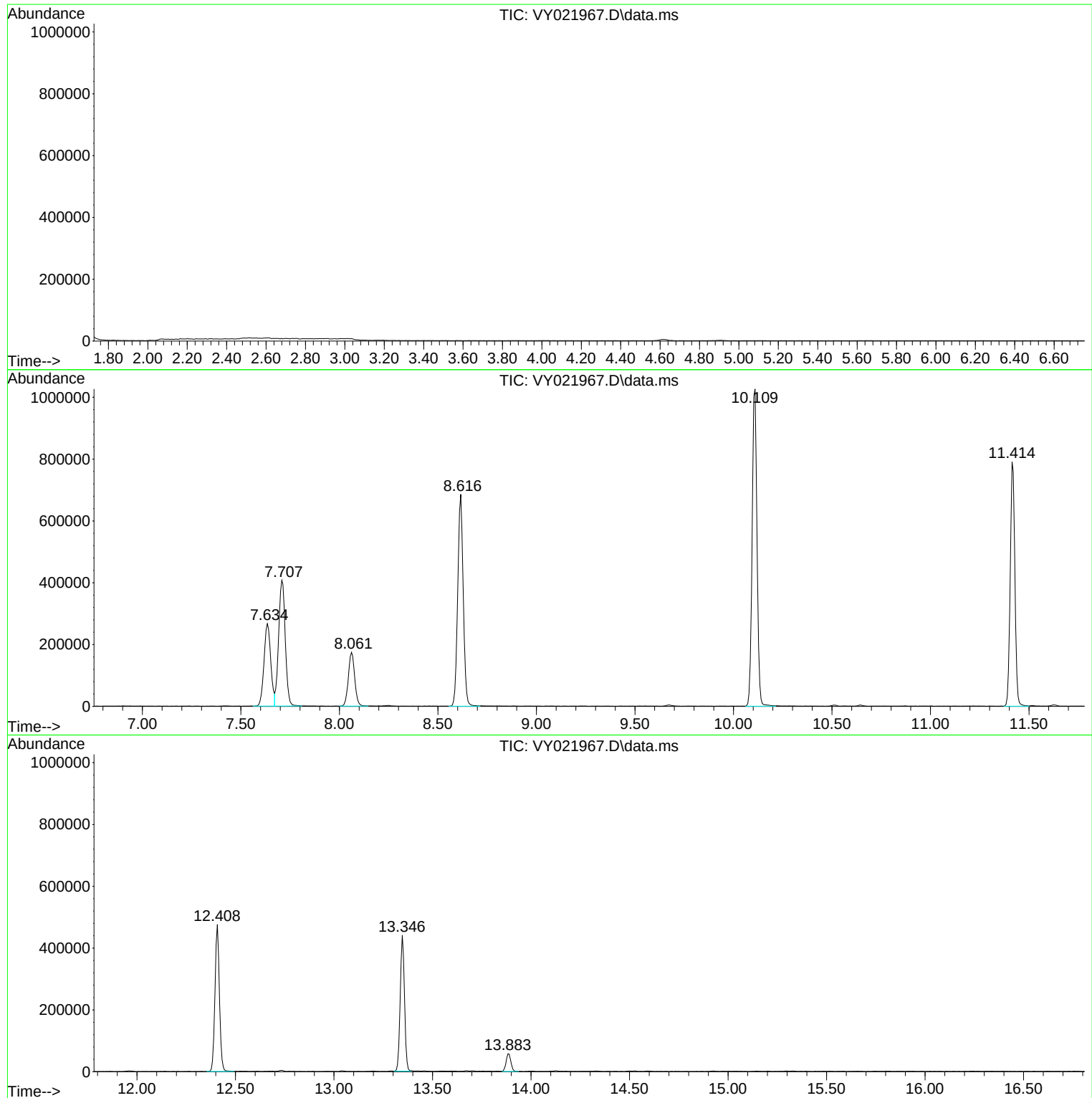
Sum of corrected areas: 7864845

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021967.D
Acq On : 23 Apr 2025 13:29
Operator : SY/MD
Sample : Q1851-06
Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

Quant Time: Apr 22 02:46:16 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	209157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	398558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122099	53.879	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.760%
35) Dibromofluoromethane	7.634	113	133521	51.645	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.280%
50) Toluene-d8	10.109	98	484652	49.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.560%
62) 4-Bromofluorobenzene	12.407	95	129483	38.921	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.840%

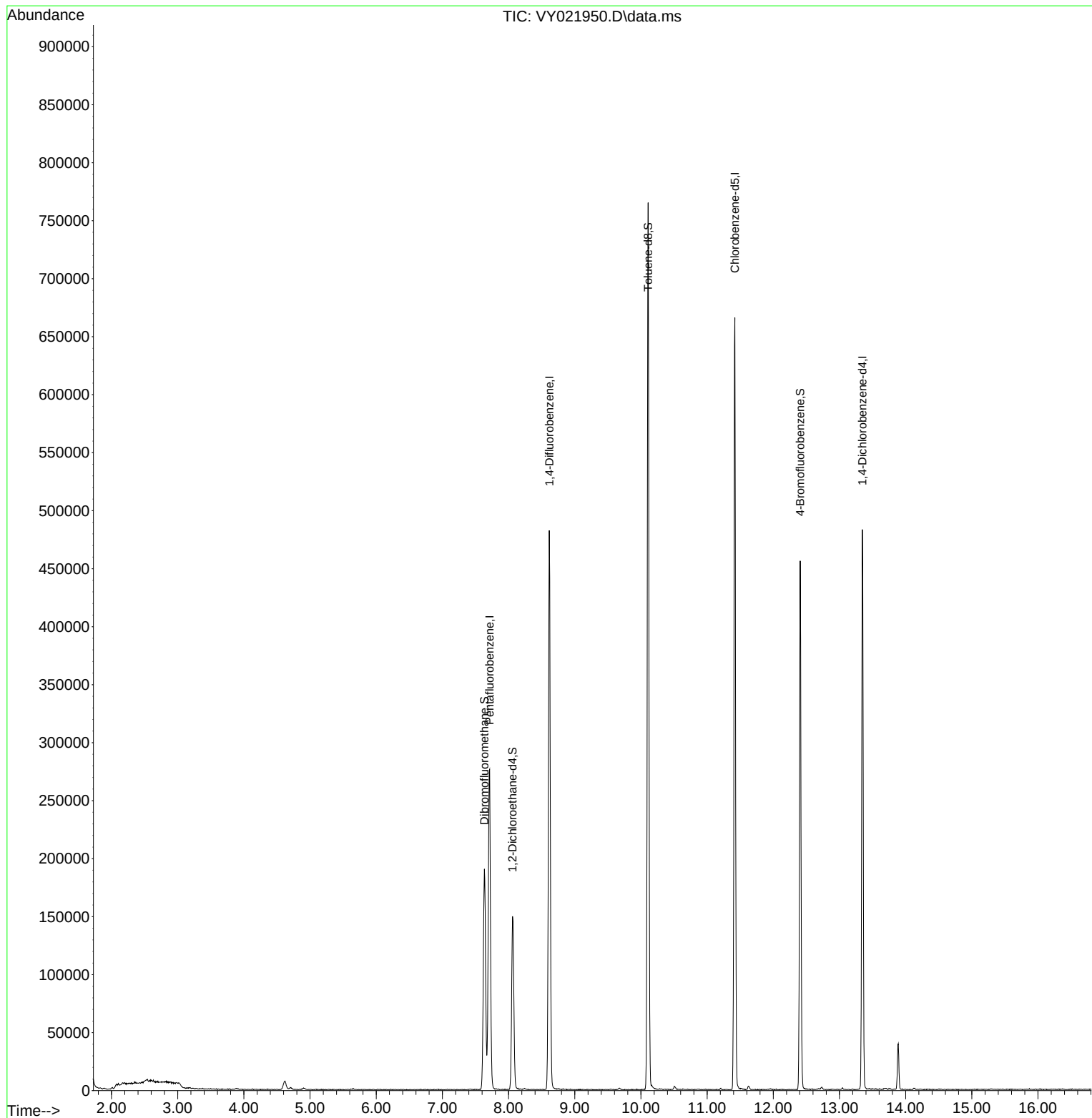
Target Compounds	Qvalue

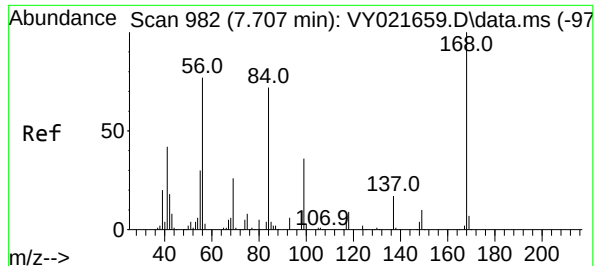
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

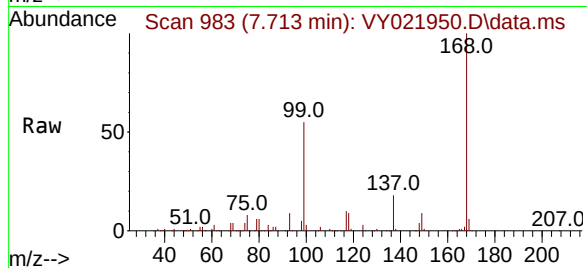
Quant Time: Apr 22 02:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



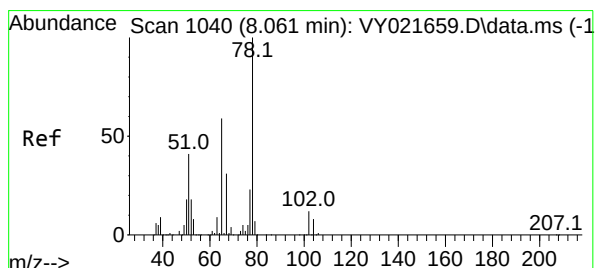
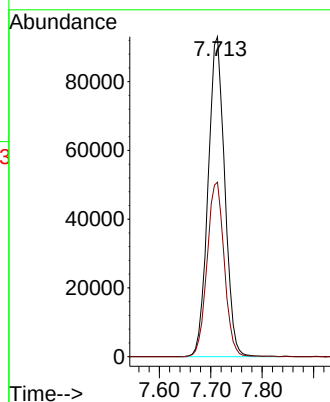
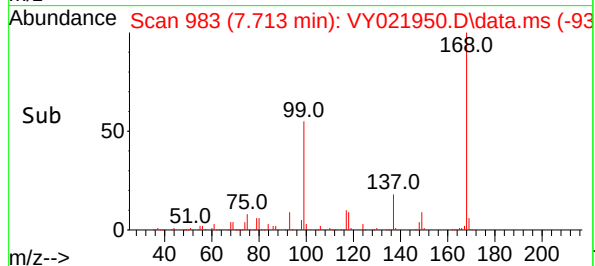


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Instrument :
MSVOA_Y
ClientSampleId :
GP7

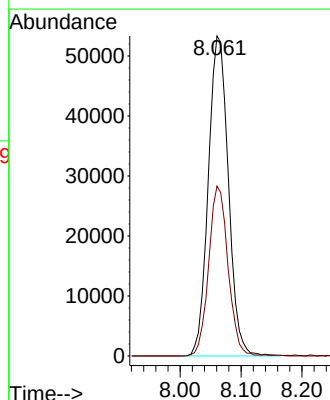
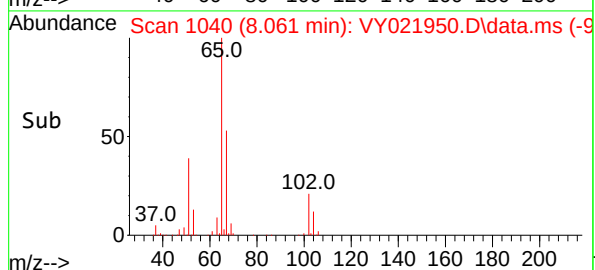
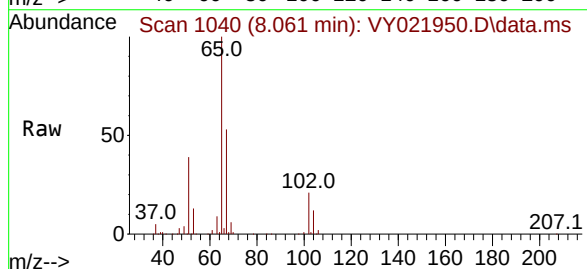


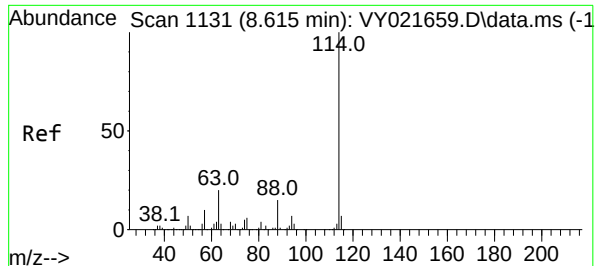
Tgt Ion:168 Resp: 209157
Ion Ratio Lower Upper
168 100
99 54.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 53.879 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion: 65 Resp: 122099
Ion Ratio Lower Upper
65 100
67 51.2 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: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

GP7

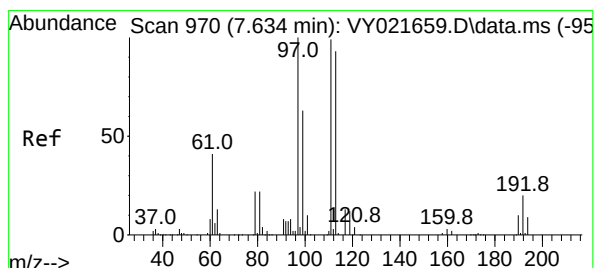
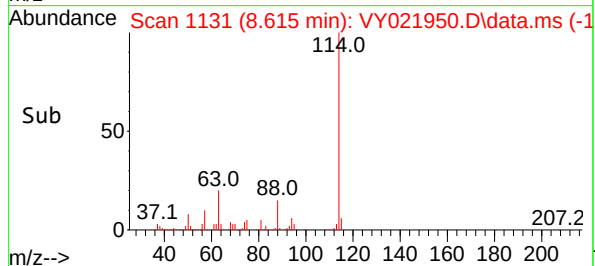
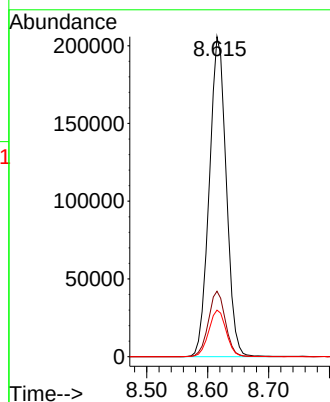
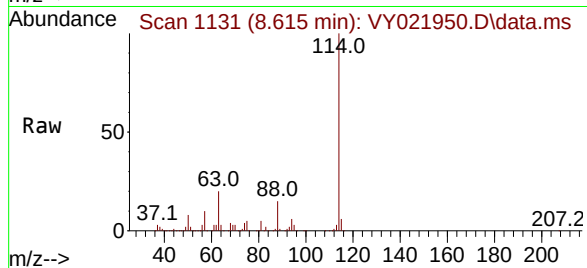
Tgt Ion:114 Resp: 398558

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 14.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.645 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

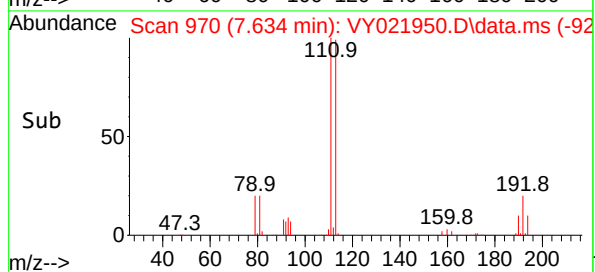
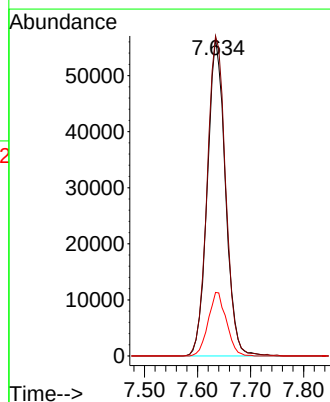
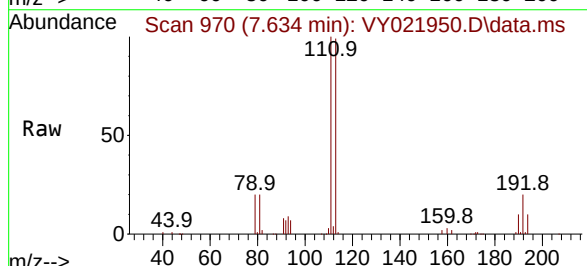
Tgt Ion:113 Resp: 133521

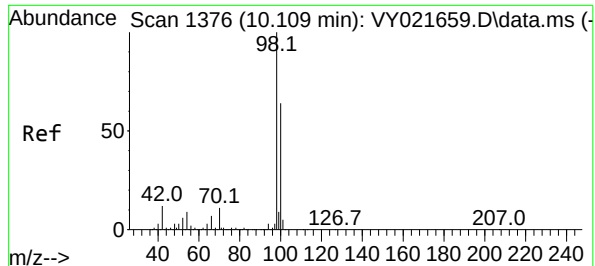
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 20.2 16.2 24.4





#50

Toluene-d8

Concen: 49.276 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

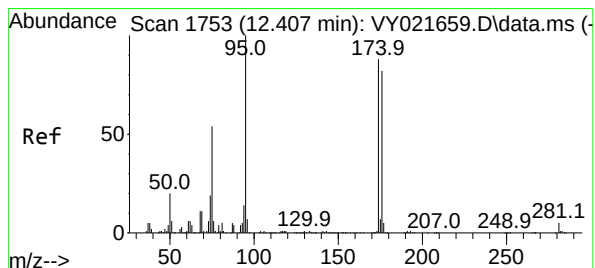
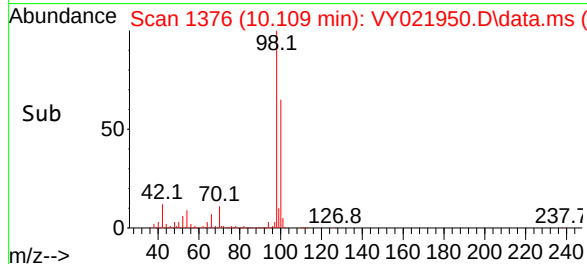
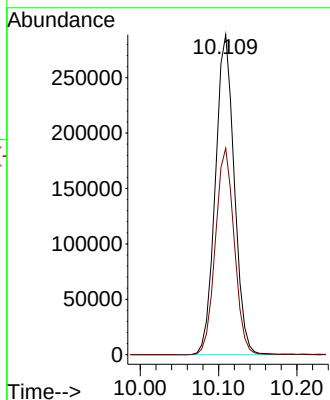
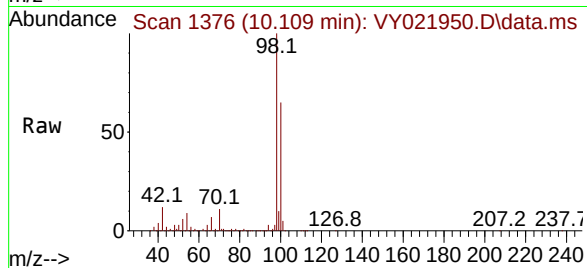
GP7

Tgt Ion: 98 Resp: 484652

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 38.921 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

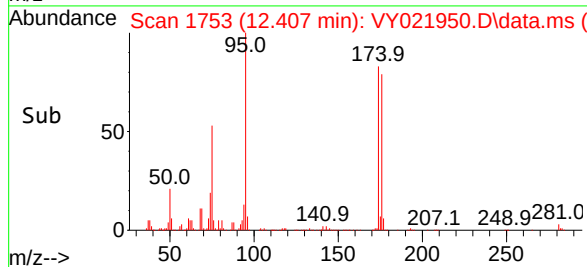
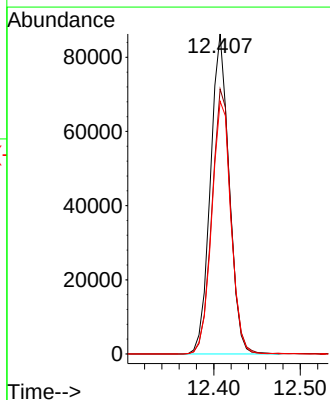
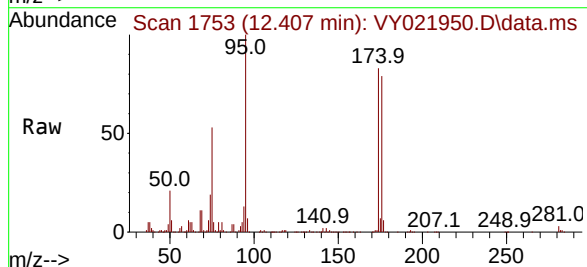
Tgt Ion: 95 Resp: 129483

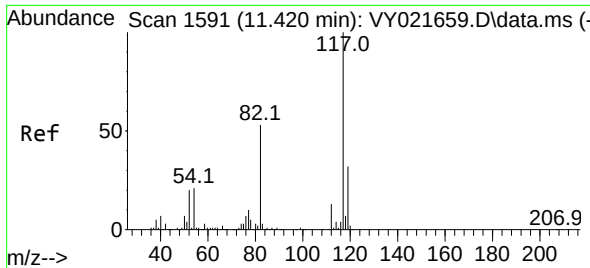
Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.8

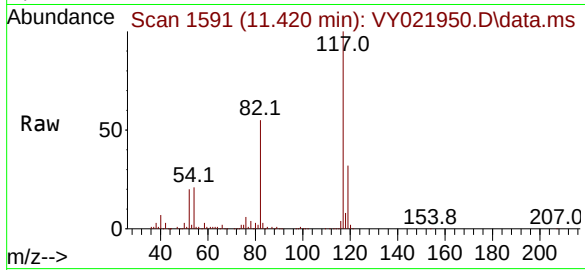
176 81.2 0.0 162.0



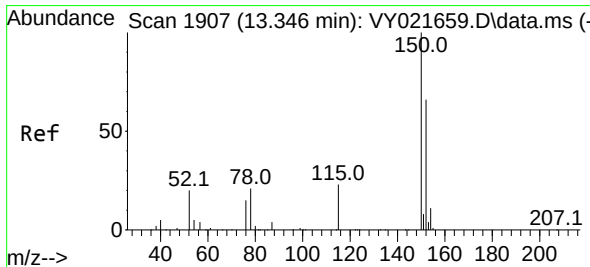
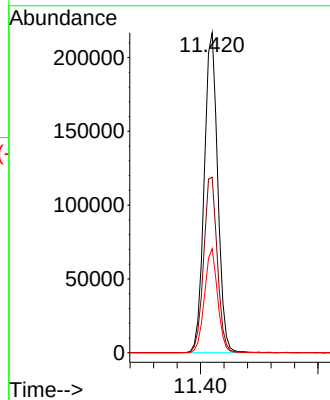
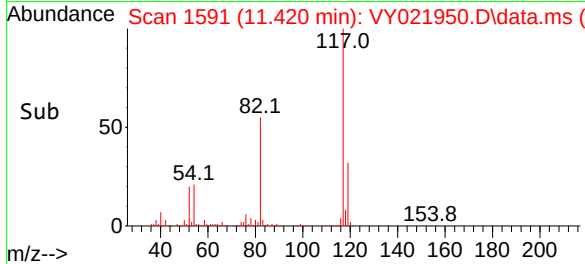


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Instrument :
MSVOA_Y
ClientSampleId :
GP7

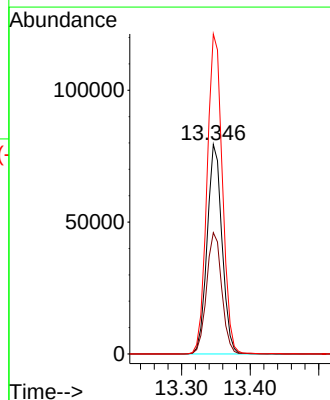
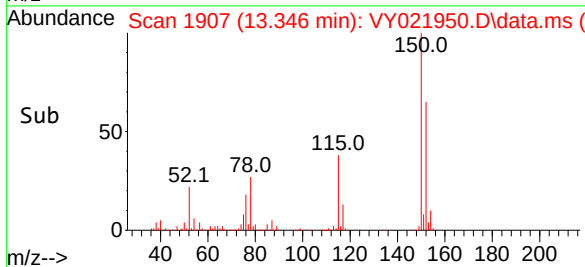
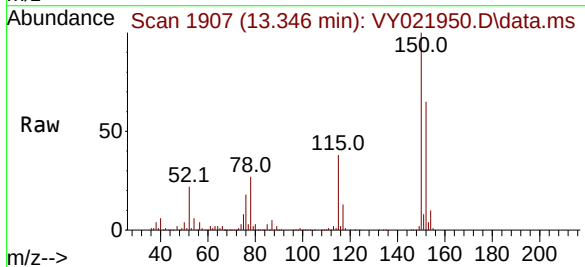


Tgt Ion:117 Resp: 345335
Ion Ratio Lower Upper
117 100
82 54.8 42.8 64.2
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021950.D
Acq: 21 Apr 2025 15:54

Tgt Ion:152 Resp: 119952
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 157.1 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

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: VY021950.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	485	rBV3	7443	24051	1.85%	0.382%
2	7.634	960	970	976	rBV2	190065	452387	34.86%	7.190%
3	7.713	976	983	996	rVB	275756	641386	49.43%	10.194%
4	8.061	1031	1040	1052	rBV	149445	341010	26.28%	5.420%
5	8.615	1122	1131	1146	rBV	481839	941755	72.58%	14.968%
6	10.109	1368	1376	1384	rBV	764577	1297601	100.00%	20.624%
7	11.420	1583	1591	1602	rBV	665624	1074194	82.78%	17.073%
8	12.407	1745	1753	1763	rBV	456027	714399	55.06%	11.354%
9	13.346	1900	1907	1919	rVB	482397	742448	57.22%	11.800%
10	13.889	1989	1996	2002	rBV2	39259	62619	4.83%	0.995%

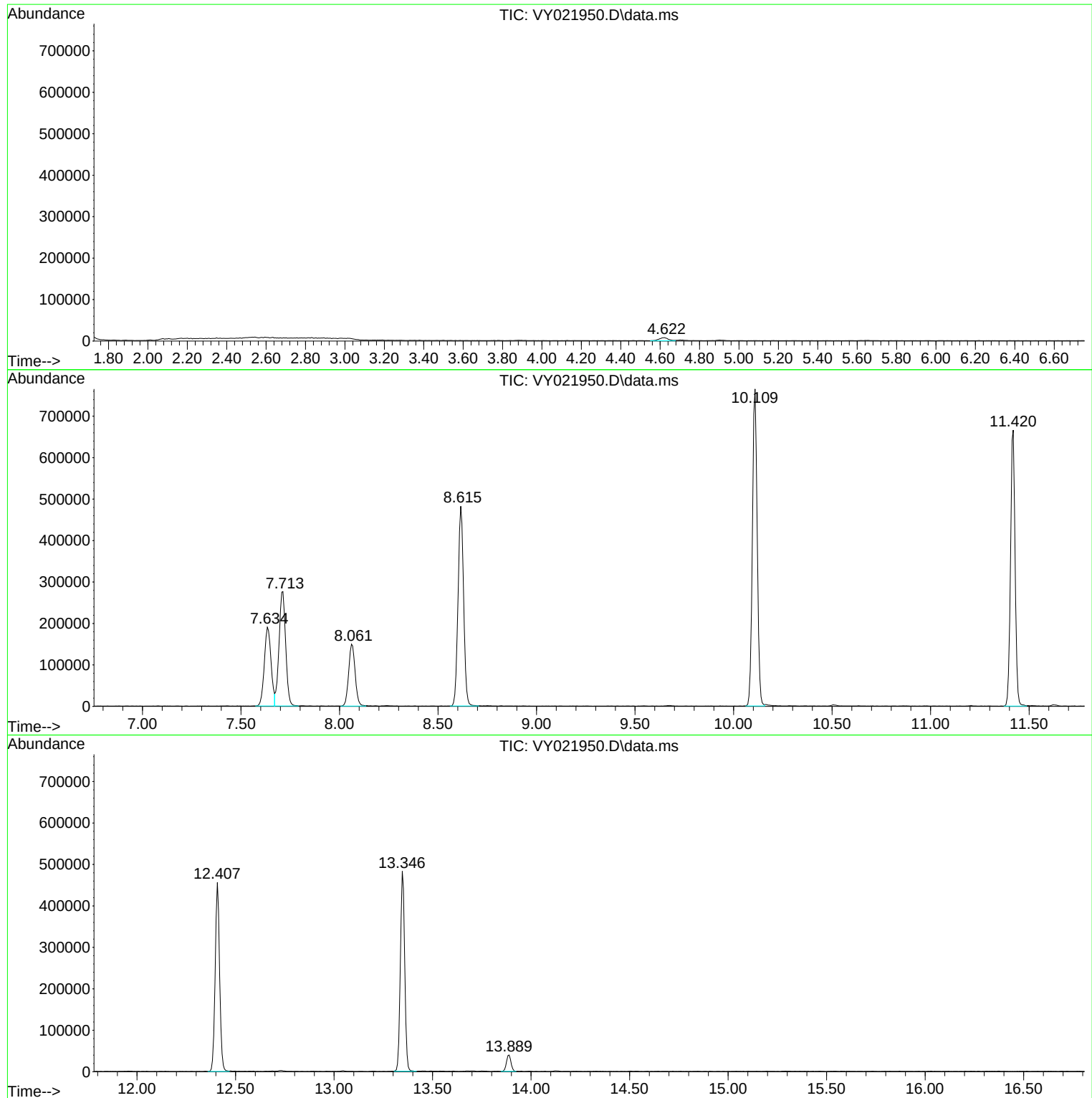
Sum of corrected areas: 6291850

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

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\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

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

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021950.D
Acq On : 21 Apr 2025 15:54
Operator : SY/MD
Sample : Q1851-07
Misc : 7.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GP7

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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Time: Apr 22 02:43:08 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	238181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	431702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	370399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	140852	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	130238	50.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.940%
35) Dibromofluoromethane	7.634	113	145598	51.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.980%
50) Toluene-d8	10.109	98	509819	47.855	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.700%
62) 4-Bromofluorobenzene	12.407	95	144494	40.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.200%

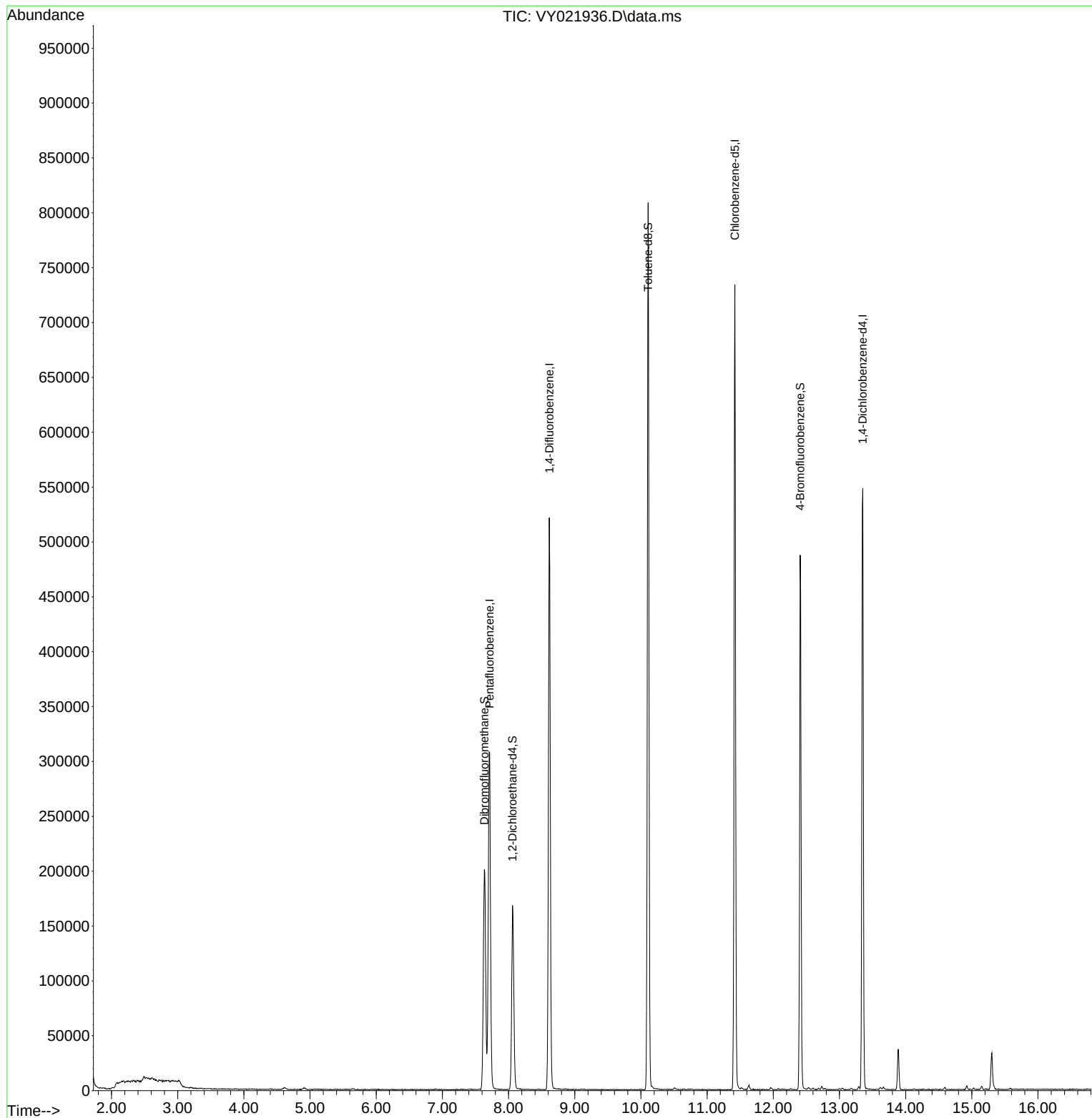
Target Compounds	Qvalue

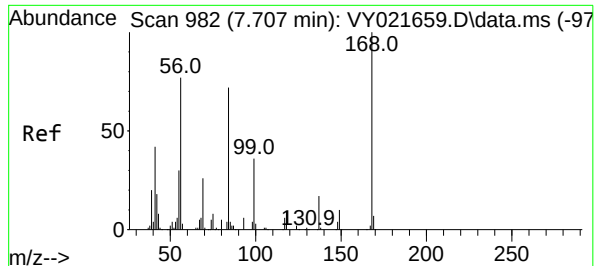
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Quant Time: Apr 22 02:43:08 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

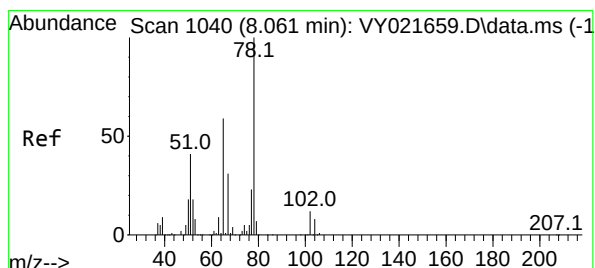
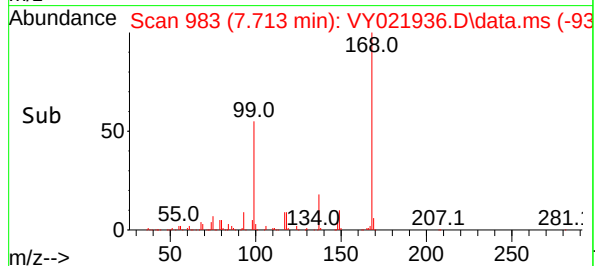
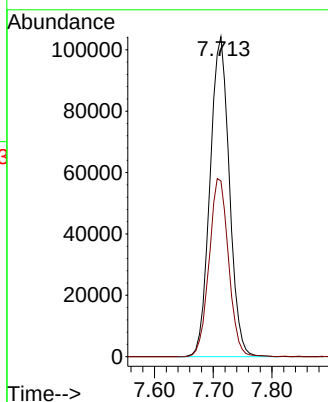
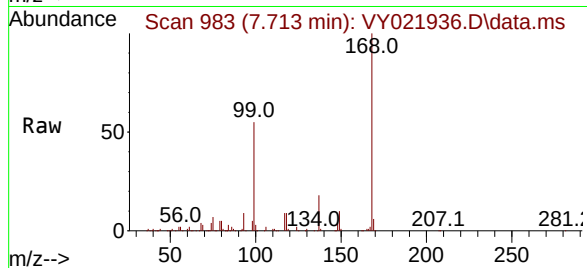




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

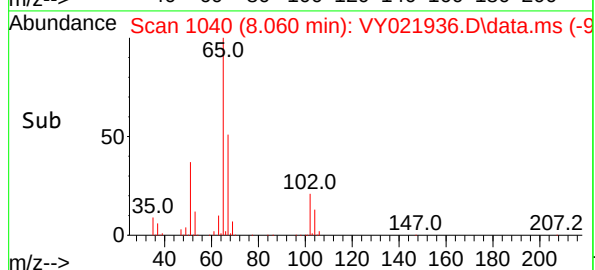
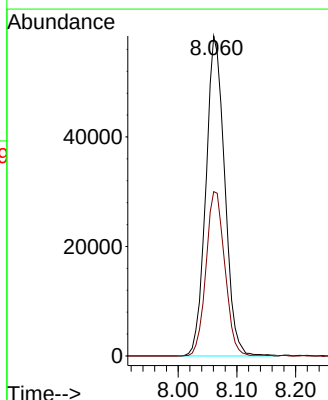
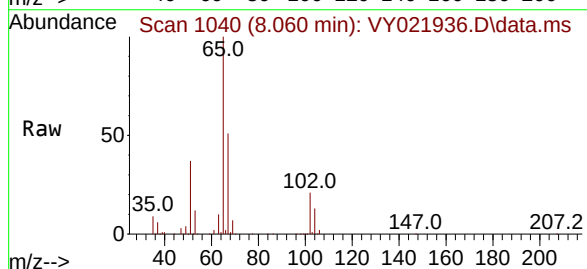
Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

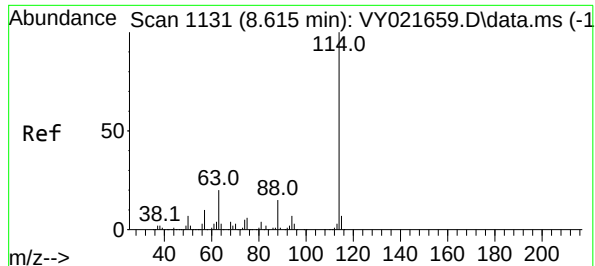
Tgt Ion:168 Resp: 238181
Ion Ratio Lower Upper
168 100
99 54.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 50.468 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Tgt Ion: 65 Resp: 130238
Ion Ratio Lower Upper
65 100
67 51.2 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: VY021936.D

Acq: 21 Apr 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0421SBL01

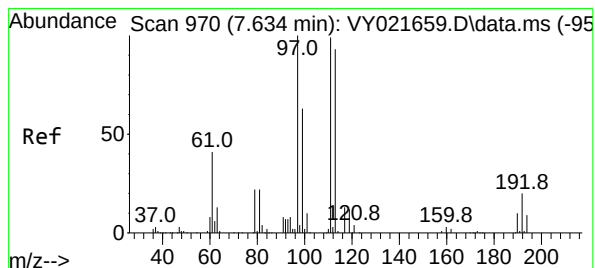
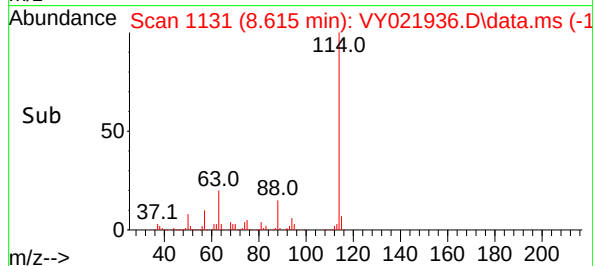
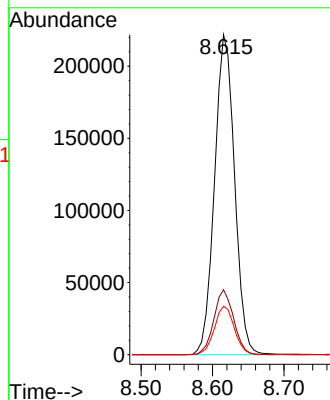
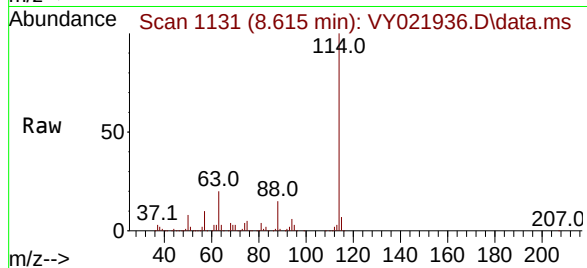
Tgt Ion:114 Resp: 431702

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.992 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

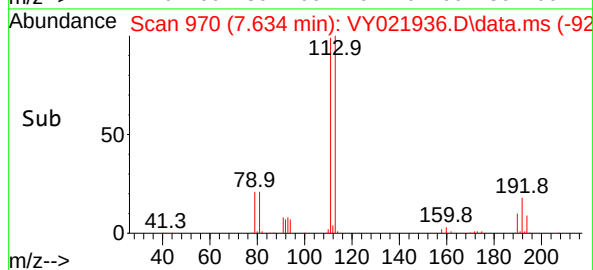
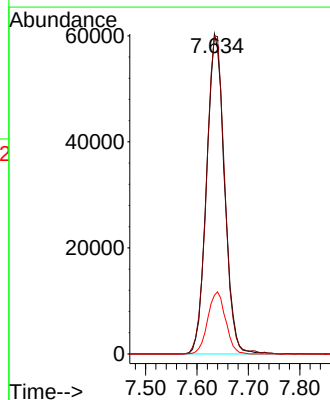
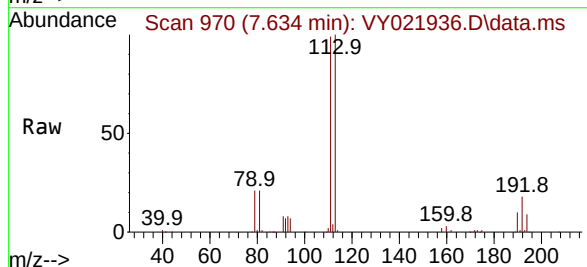
Tgt Ion:113 Resp: 145598

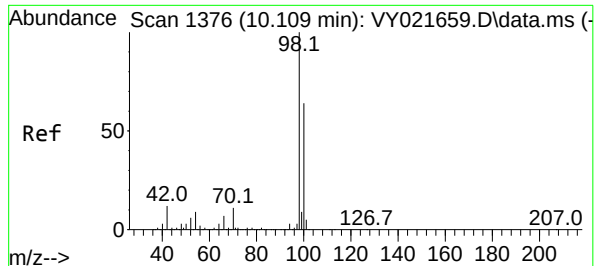
Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

192 19.4 16.2 24.4





#50

Toluene-d8

Concen: 47.855 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

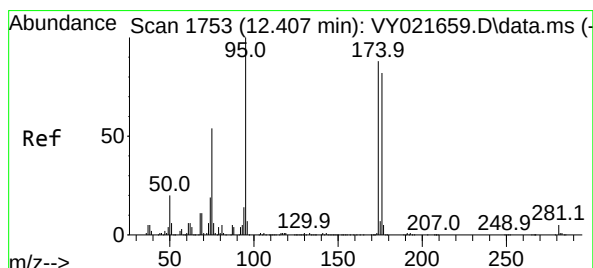
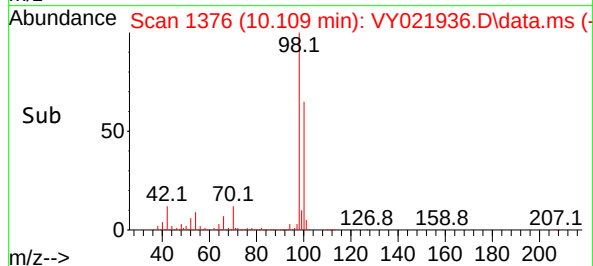
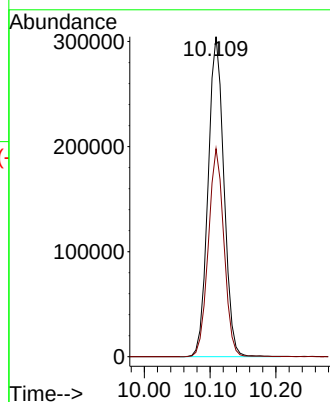
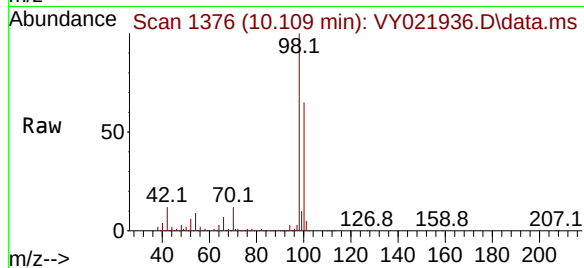
VY0421SBL01

Tgt Ion: 98 Resp: 509819

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 40.098 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

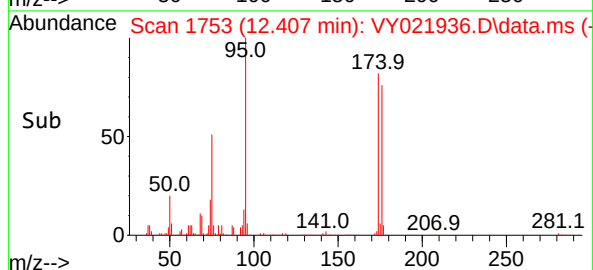
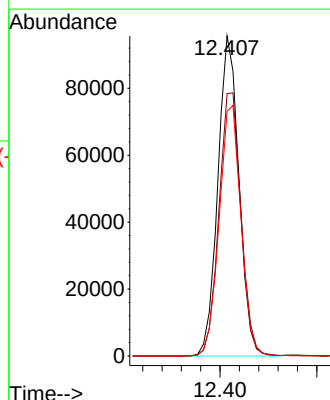
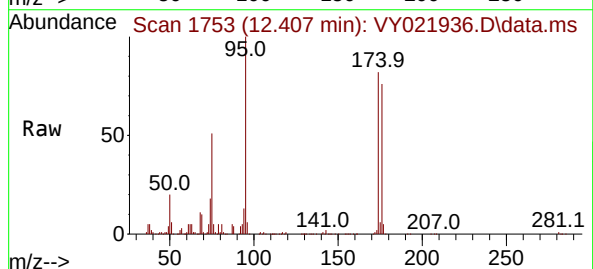
Tgt Ion: 95 Resp: 144494

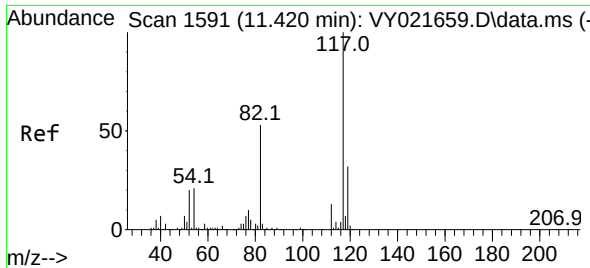
Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.8

176 81.0 0.0 162.0

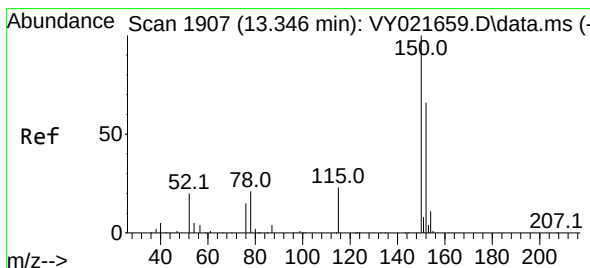
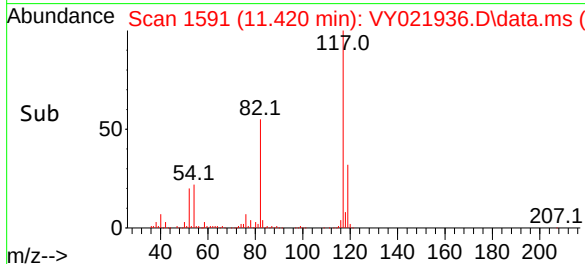
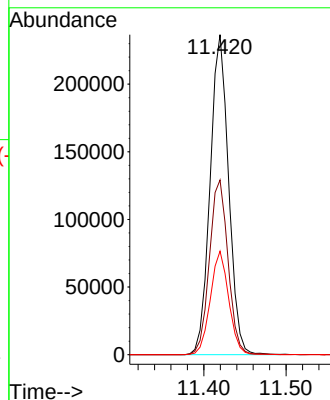
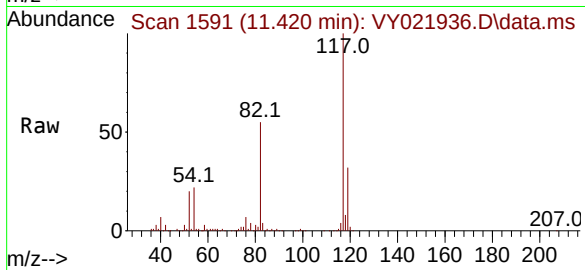




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

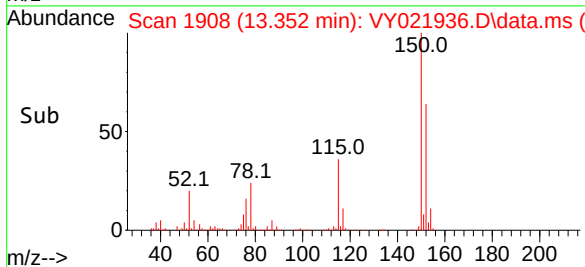
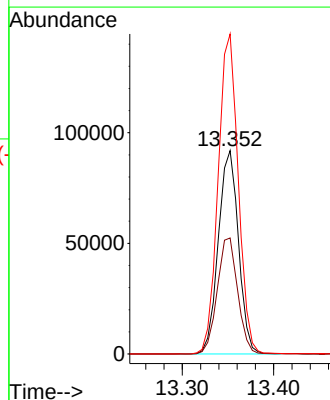
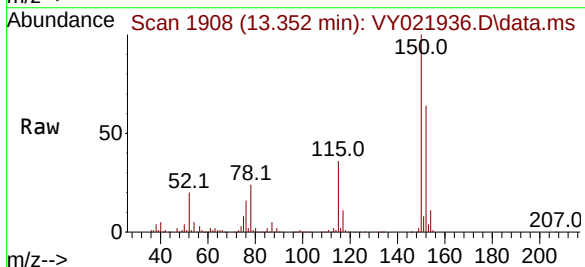
Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	32.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021936.D
Acq: 21 Apr 2025 09:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	157.0	0.0	348.4



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

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: VY021936.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	961	970	976	rBV	200819	487010	35.79%	7.115%
2	7.707	976	982	995	rVB	306844	717242	52.70%	10.478%
3	8.060	1031	1040	1053	rBV	167647	367322	26.99%	5.366%
4	8.615	1122	1131	1143	rBV	521106	1017999	74.81%	14.872%
5	10.109	1366	1376	1384	rBV	808561	1360870	100.00%	19.881%
6	11.420	1583	1591	1603	rBV	733189	1150252	84.52%	16.804%
7	12.407	1744	1753	1765	rBV	487309	762822	56.05%	11.144%
8	13.352	1901	1908	1916	rBV	547096	857732	63.03%	12.530%
9	13.889	1988	1996	2002	rBV	37020	59937	4.40%	0.876%
10	15.303	2221	2228	2239	rBV	33291	63990	4.70%	0.935%

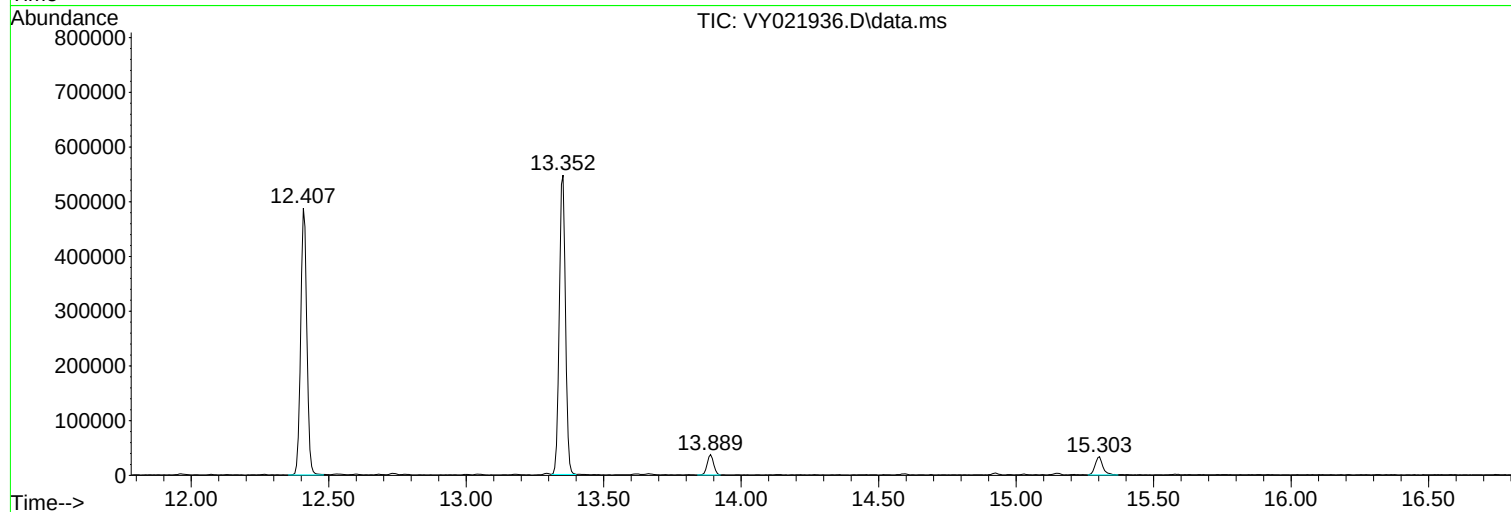
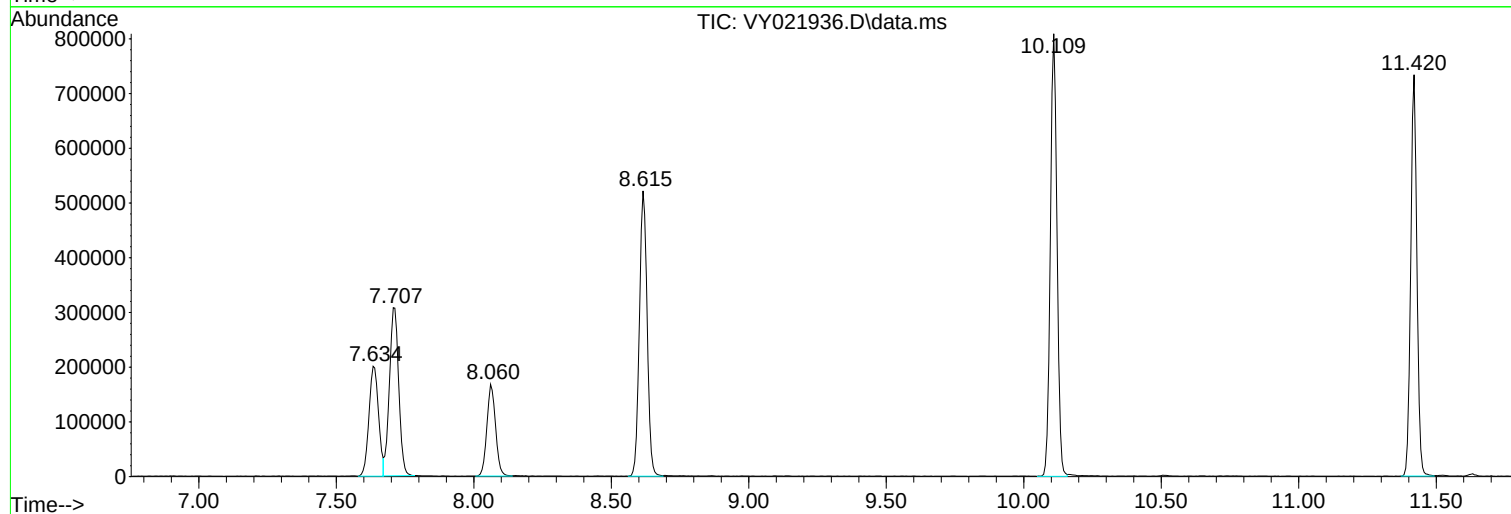
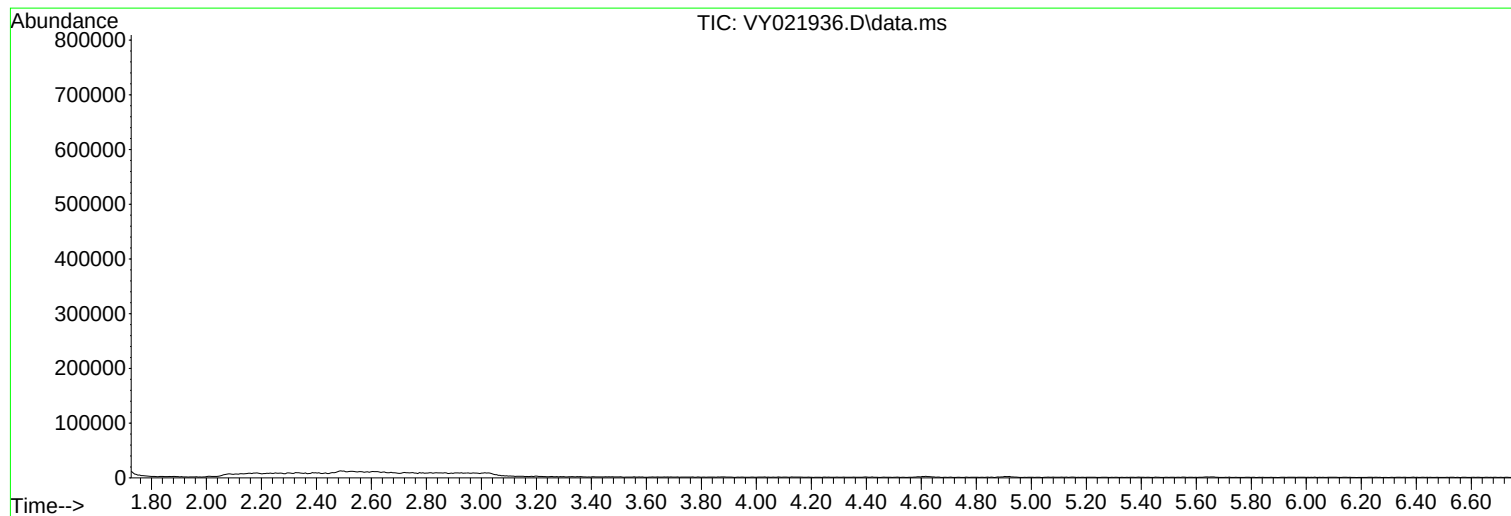
Sum of corrected areas: 6845176

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

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\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

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

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021936.D
Acq On : 21 Apr 2025 09:42
Operator : SY/MD
Sample : VY0421SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBL01

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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	319981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	525205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	194434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151146	51.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.280%
35) Dibromofluoromethane	7.634	113	197999	50.031	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.060%
50) Toluene-d8	10.109	98	710393	47.614	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.220%
62) 4-Bromofluorobenzene	12.408	95	193641	38.554	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.100%

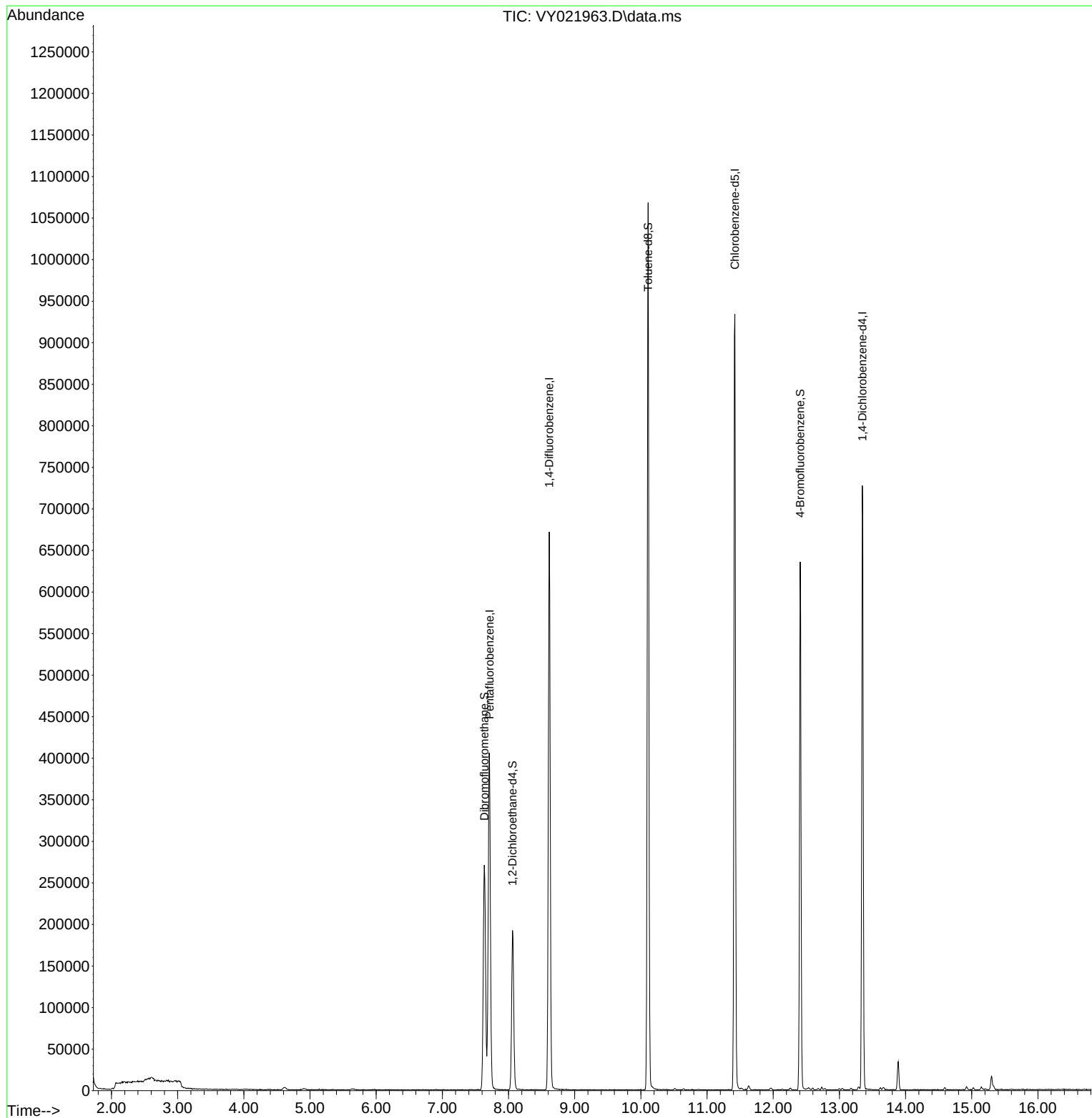
Target Compounds	Qvalue

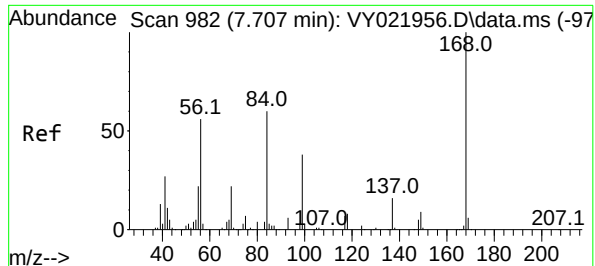
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

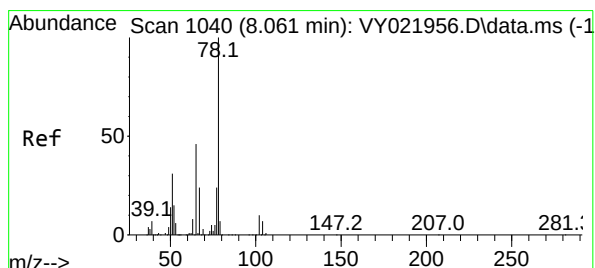
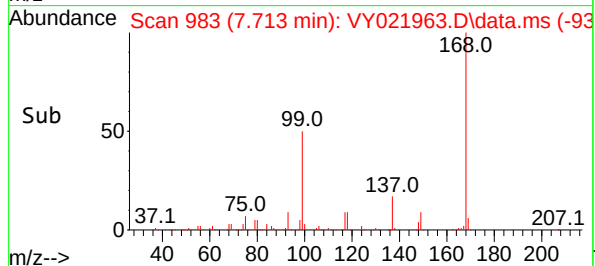
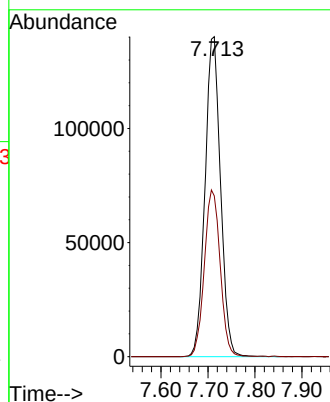
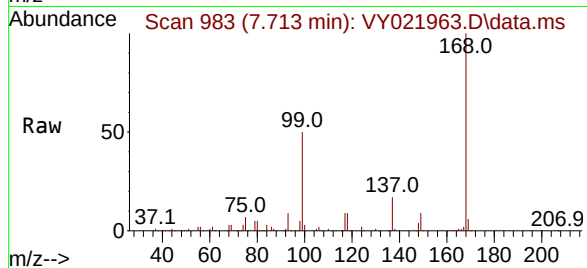




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

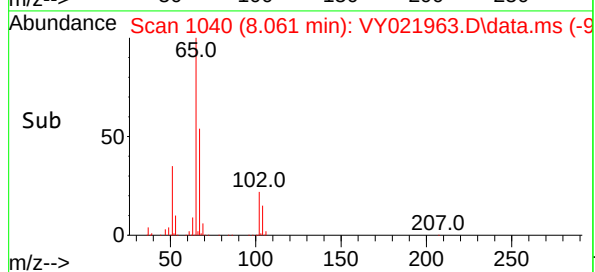
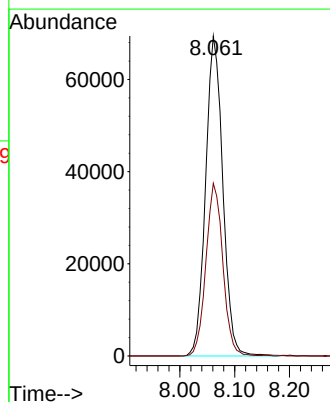
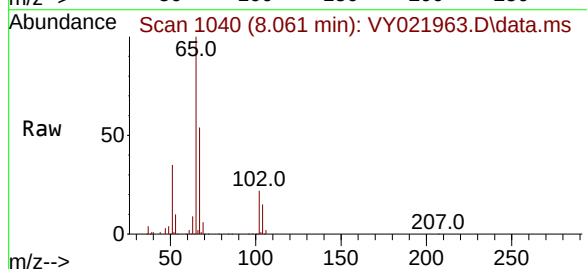
Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

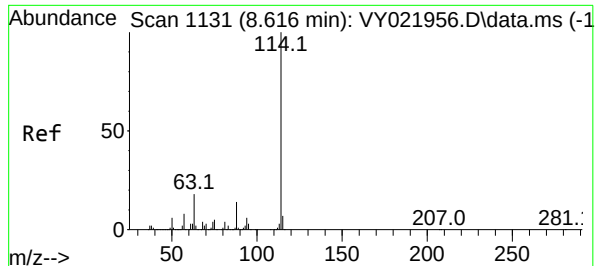
Tgt Ion:168 Resp: 319981
Ion Ratio Lower Upper
168 100
99 50.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 51.139 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion: 65 Resp: 151146
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021963.D

Acq: 23 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBL01

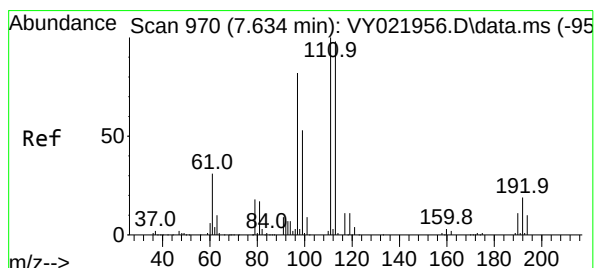
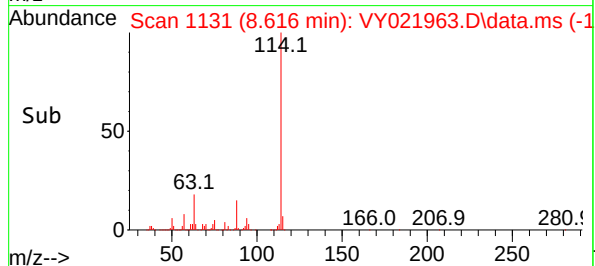
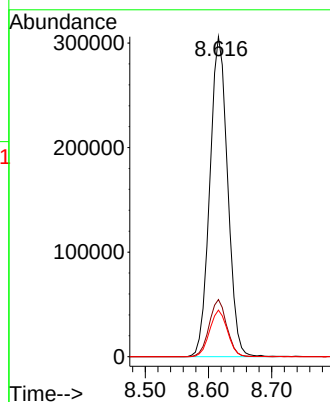
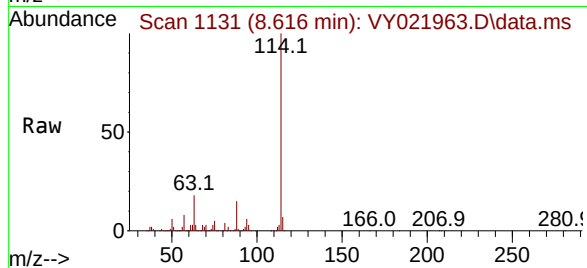
Tgt Ion:114 Resp: 599033

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.031 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021963.D

Acq: 23 Apr 2025 10:31

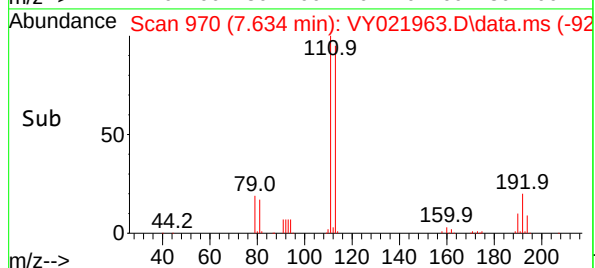
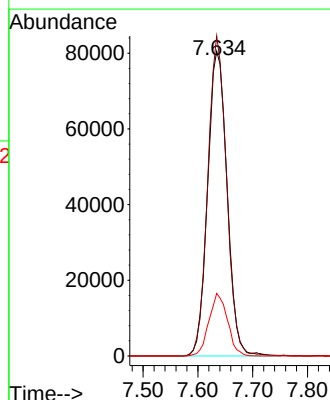
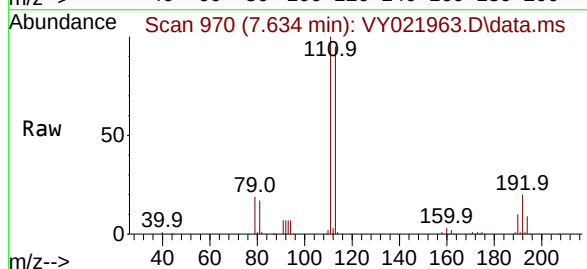
Tgt Ion:113 Resp: 197999

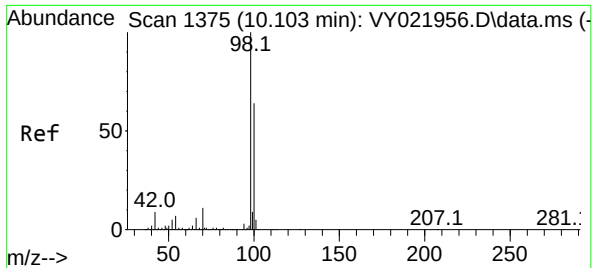
Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

192 19.6 15.6 23.4

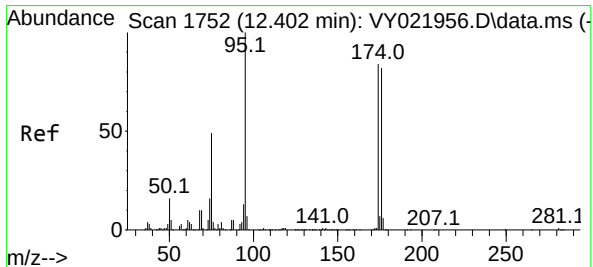
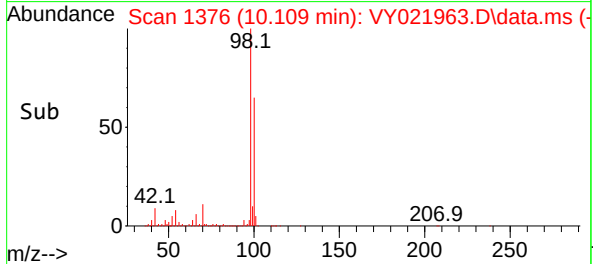
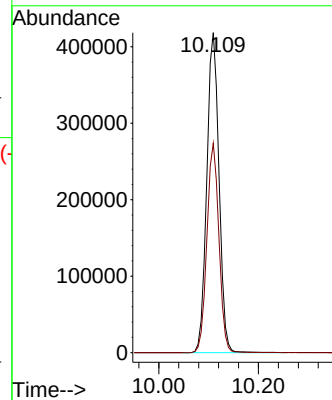
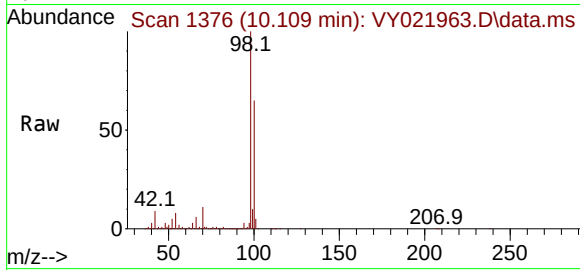




#50
Toluene-d8
Concen: 47.614 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

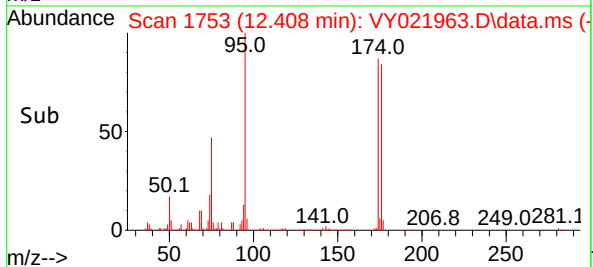
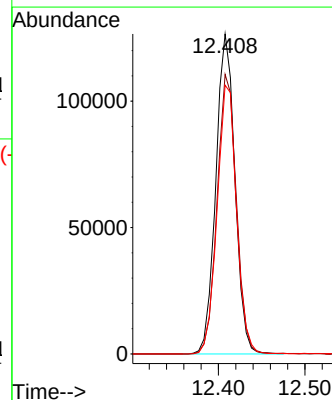
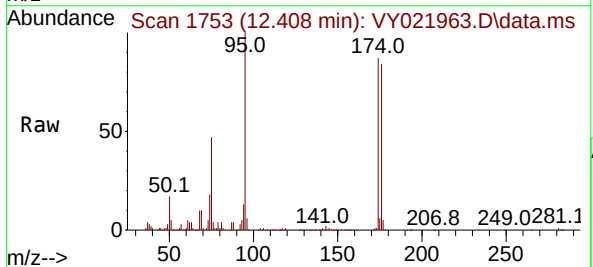
Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

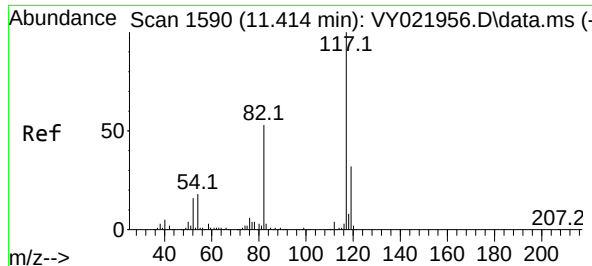
Tgt Ion: 98 Resp: 710393
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 38.554 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion: 95 Resp: 193641
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 85.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021963.D

Acq: 23 Apr 2025 10:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBL01

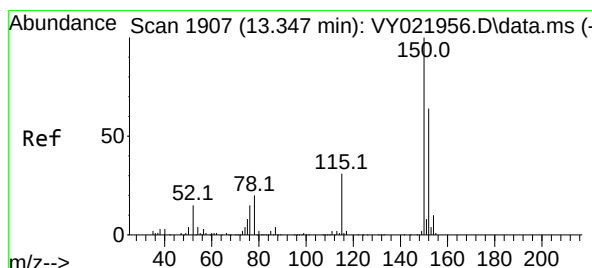
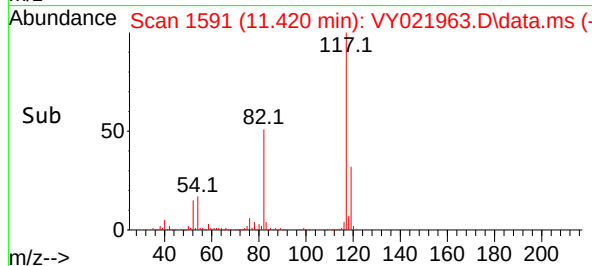
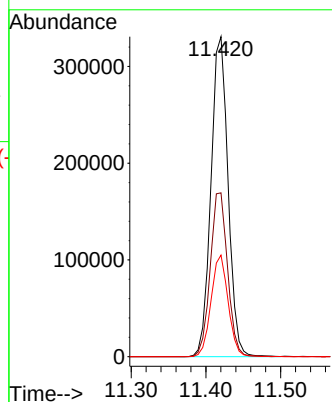
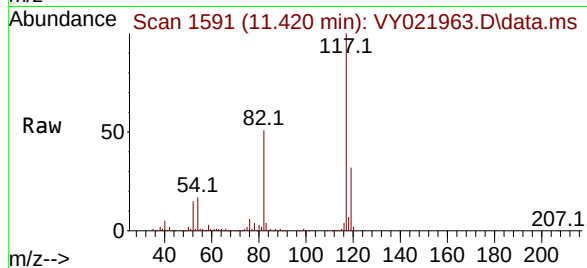
Tgt Ion:117 Resp: 525205

Ion Ratio Lower Upper

117 100

82 51.2 42.1 63.1

119 31.7 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: VY021963.D

Acq: 23 Apr 2025 10:31

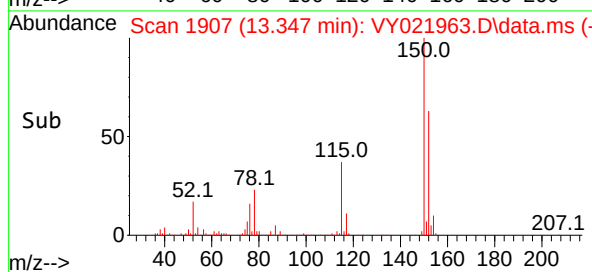
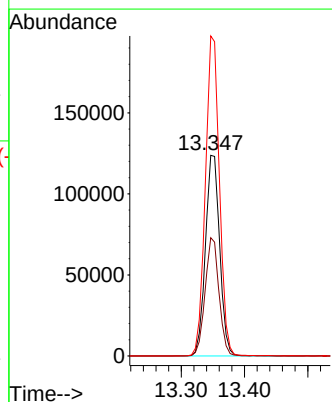
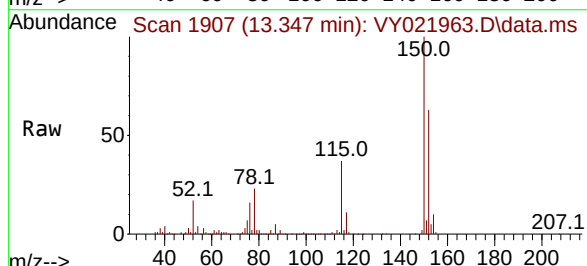
Tgt Ion:152 Resp: 194434

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

150 157.0 0.0 345.6



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY021963.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	270502	651157	36.00%	7.347%
2	7.707	976	982	997	rVB	405115	933121	51.59%	10.528%
3	8.061	1031	1040	1053	rBV	191732	424788	23.49%	4.793%
4	8.616	1121	1131	1145	rBV	671582	1321693	73.07%	14.913%
5	10.109	1368	1376	1399	rVB	1067485	1808687	100.00%	20.407%
6	11.420	1583	1591	1604	rBV	933618	1512694	83.63%	17.068%
7	12.408	1746	1753	1766	rBV	635452	996869	55.12%	11.248%
8	13.347	1901	1907	1917	rVB	726351	1123830	62.14%	12.680%
9	13.889	1989	1996	2001	rBV3	34078	55599	3.07%	0.627%
10	15.297	2220	2227	2238	rVB	16175	34510	1.91%	0.389%

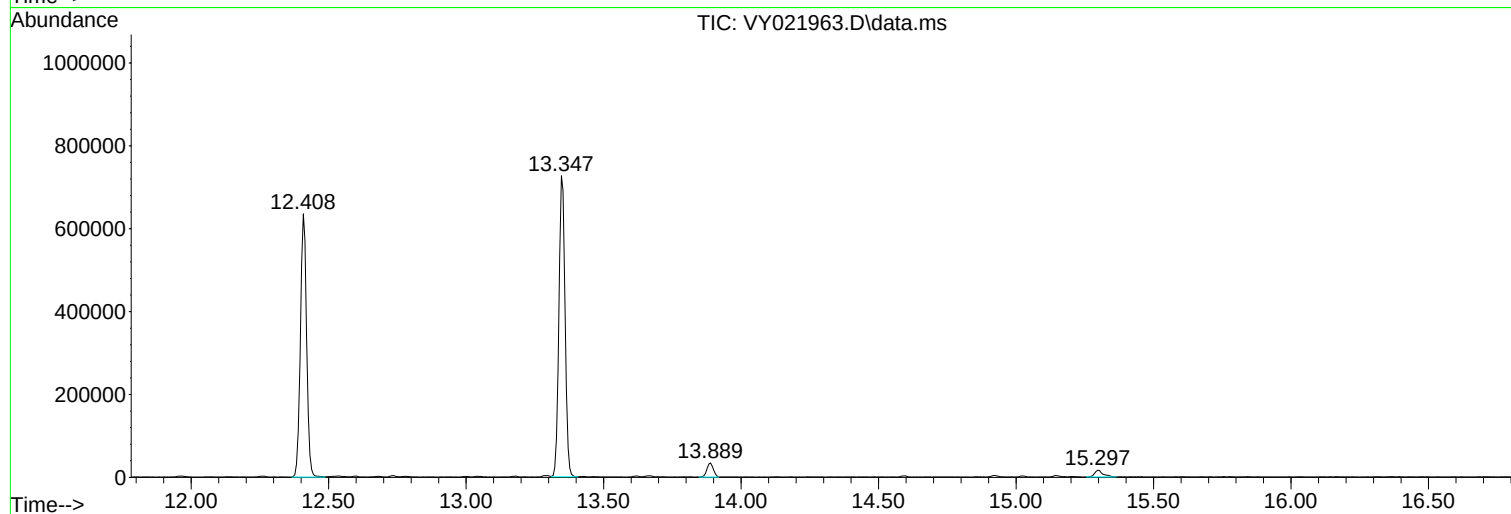
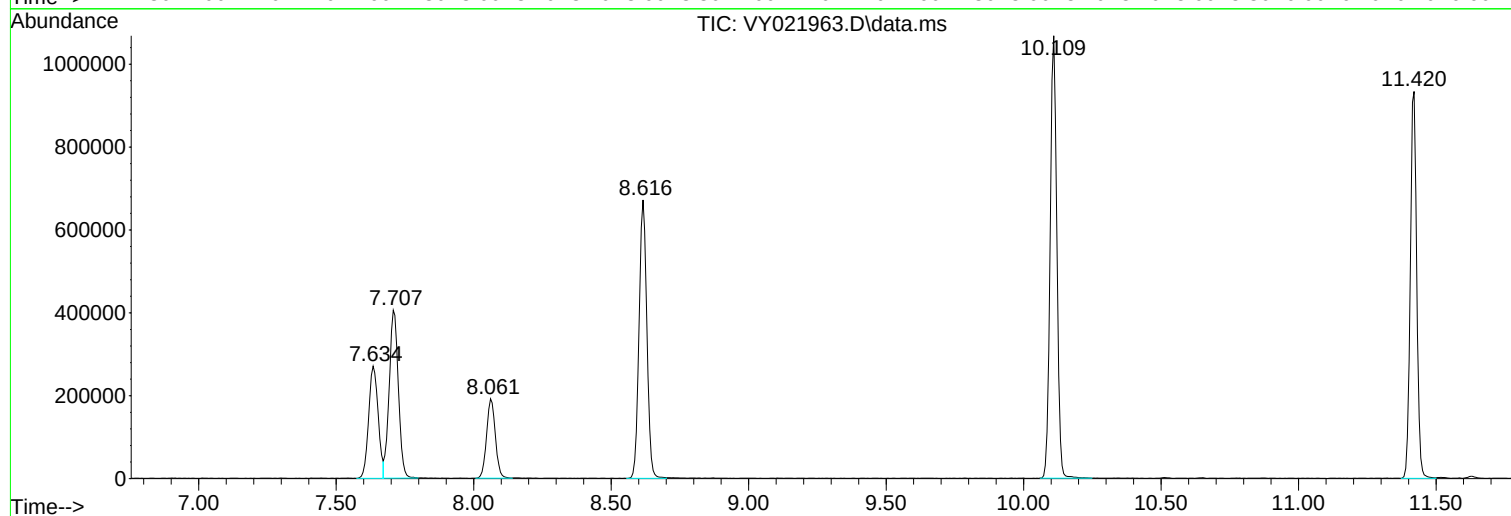
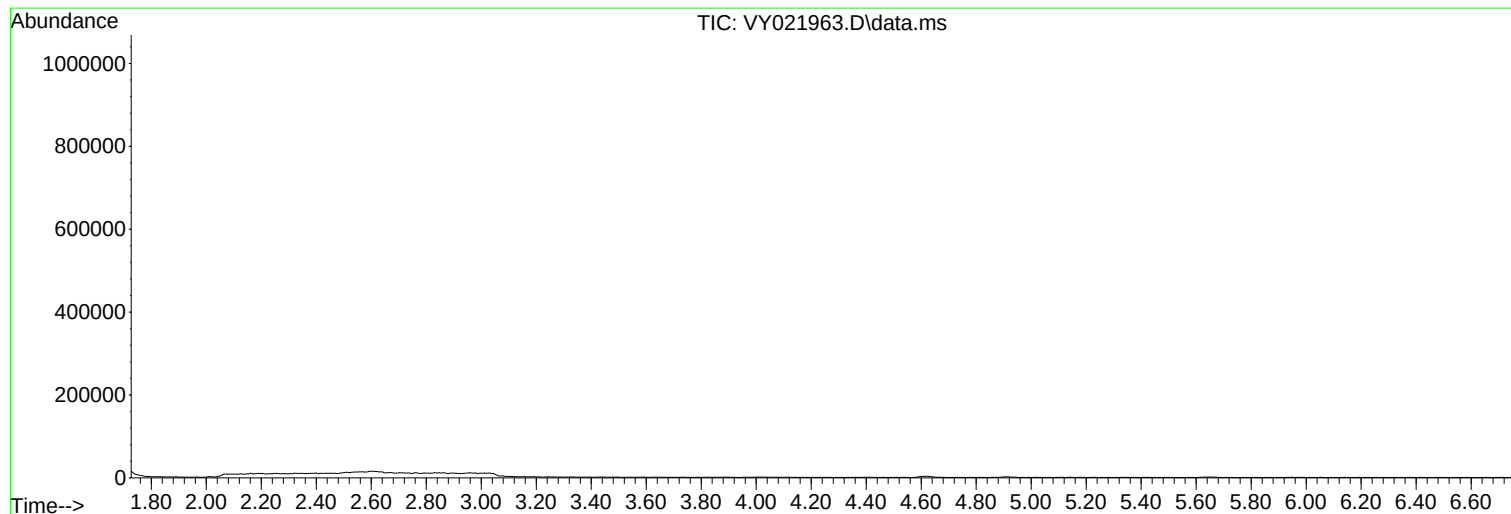
Sum of corrected areas: 8862948

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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--			
					#	RT	Resp	Conc

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021937.D
 Acq On : 21 Apr 2025 10:18
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0421SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 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	181890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	285604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	261318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97707	49.579	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	99.160%	
35) Dibromofluoromethane	7.634	113	94026	50.752	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	101.500%	
50) Toluene-d8	10.109	98	359378	50.989	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	101.980%	
62) 4-Bromofluorobenzene	12.408	95	121385	50.917	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	101.840%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	32089	17.021	ug/l	100
3) Chloromethane	2.068	50	53856	20.316	ug/l	99
4) Vinyl Chloride	2.202	62	57232	19.090	ug/l	97
5) Bromomethane	2.592	94	42573	20.821	ug/l	94
6) Chloroethane	2.732	64	39704	20.239	ug/l	96
7) Trichlorofluoromethane	3.056	101	73716	19.195	ug/l	94
8) Diethyl Ether	3.458	74	20207	19.348	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	40604	20.046	ug/l	100
10) Methyl Iodide	4.001	142	41355	18.611	ug/l	99
11) Tert butyl alcohol	4.872	59	10927	85.365	ug/l	98
12) 1,1-Dichloroethene	3.793	96	36129	18.937	ug/l	94
13) Acrolein	3.659	56	7602	32.525	ug/l	99
14) Allyl chloride	4.378	41	58977	19.388	ug/l	99
15) Acrylonitrile	5.055	53	42096	96.535	ug/l	98
16) Acetone	3.872	43	39386	97.652	ug/l	97
17) Carbon Disulfide	4.104	76	112240	17.861	ug/l	100
18) Methyl Acetate	4.391	43	23033	23.042	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	90661	19.087	ug/l	98
20) Methylene Chloride	4.616	84	43795	19.859	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	41444	19.730	ug/l	95
22) Diisopropyl ether	6.018	45	128846	20.192	ug/l	97
23) Vinyl Acetate	5.964	43	342807	91.832	ug/l	98
24) 1,1-Dichloroethane	5.915	63	79102	20.731	ug/l	97
25) 2-Butanone	6.896	43	54665	94.891	ug/l	99
26) 2,2-Dichloropropane	6.884	77	68463	20.171	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	47806	20.237	ug/l	98
28) Bromochloromethane	7.250	49	32942	20.471	ug/l	95
29) Tetrahydrofuran	7.262	42	34200	92.243	ug/l	100
30) Chloroform	7.421	83	83864	21.132	ug/l	98
31) Cyclohexane	7.701	56	60387	17.362	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	73183	20.403	ug/l	98
36) 1,1-Dichloropropene	7.835	75	55584	19.697	ug/l	99
37) Ethyl Acetate	6.982	43	25920	19.463	ug/l	97
38) Carbon Tetrachloride	7.817	117	66663	20.626	ug/l	98
39) Methylcyclohexane	9.109	83	61273	18.176	ug/l	96
40) Benzene	8.079	78	174410	20.638	ug/l	100

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021937.D
 Acq On : 21 Apr 2025 10:18
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VY0421SBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 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)
41) Methacrylonitrile	7.219	41	12249	17.319	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	48396	20.314	ug/l	99
43) Isopropyl Acetate	8.195	43	47771	18.928	ug/l	98
44) Trichloroethene	8.865	130	44932	20.867	ug/l	99
45) 1,2-Dichloropropane	9.140	63	41927	20.960	ug/l	97
46) Dibromomethane	9.231	93	24295	21.074	ug/l	98
47) Bromodichloromethane	9.426	83	62250	20.838	ug/l	96
48) Methyl methacrylate	9.219	41	21911	18.916	ug/l	99
49) 1,4-Dioxane	9.237	88	4785	387.445	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	126168	96.063	ug/l	99
52) Toluene	10.170	92	110928	21.039	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	51924	19.569	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	62926	20.103	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	30969	20.874	ug/l	97
56) Ethyl methacrylate	10.438	69	35107	18.532	ug/l	98
57) 1,3-Dichloropropane	10.719	76	54184	21.147	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	94588	102.352	ug/l	100
59) 2-Hexanone	10.761	43	83425	95.376	ug/l	98
60) Dibromochloromethane	10.908	129	43104	21.280	ug/l	99
61) 1,2-Dibromoethane	11.018	107	28530	20.500	ug/l	97
64) Tetrachloroethene	10.646	164	52393	22.014	ug/l	97
65) Chlorobenzene	11.444	112	121622	20.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	43997	20.701	ug/l	98
67) Ethyl Benzene	11.517	91	199354	19.408	ug/l	99
68) m/p-Xylenes	11.627	106	158426	40.277	ug/l	98
69) o-Xylene	11.956	106	71248	19.623	ug/l	100
70) Styrene	11.969	104	121466	20.064	ug/l	98
71) Bromoform	12.133	173	24986	20.610	ug/l #	96
73) Isopropylbenzene	12.255	105	188726	18.251	ug/l	99
74) N-amyl acetate	12.072	43	40174	16.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	33556	18.049	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	26178m	18.969	ug/l	
77) Bromobenzene	12.536	156	47710	19.217	ug/l	99
78) n-propylbenzene	12.597	91	234746	18.883	ug/l	100
79) 2-Chlorotoluene	12.682	91	137447	19.035	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	159505	18.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10350	17.281	ug/l	94
82) 4-Chlorotoluene	12.779	91	145134	19.280	ug/l	99
83) tert-Butylbenzene	12.999	119	138100	18.346	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	159792	19.130	ug/l	99
85) sec-Butylbenzene	13.176	105	209471	19.042	ug/l	100
86) p-Isopropyltoluene	13.292	119	173788	19.114	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	96878	19.806	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	96108	19.887	ug/l	99
89) n-Butylbenzene	13.621	91	155886	18.539	ug/l	99
90) Hexachloroethane	13.877	117	38765	19.456	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	82836	19.454	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5395	18.723	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	44941	19.462	ug/l	99
94) Hexachlorobutadiene	15.023	225	30399	21.079	ug/l	97
95) Naphthalene	15.145	128	68557	17.912	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	40069	20.349	ug/l	97

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021937.D
Acq On : 21 Apr 2025 10:18
Operator : SY/MD
Sample : VY0421SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

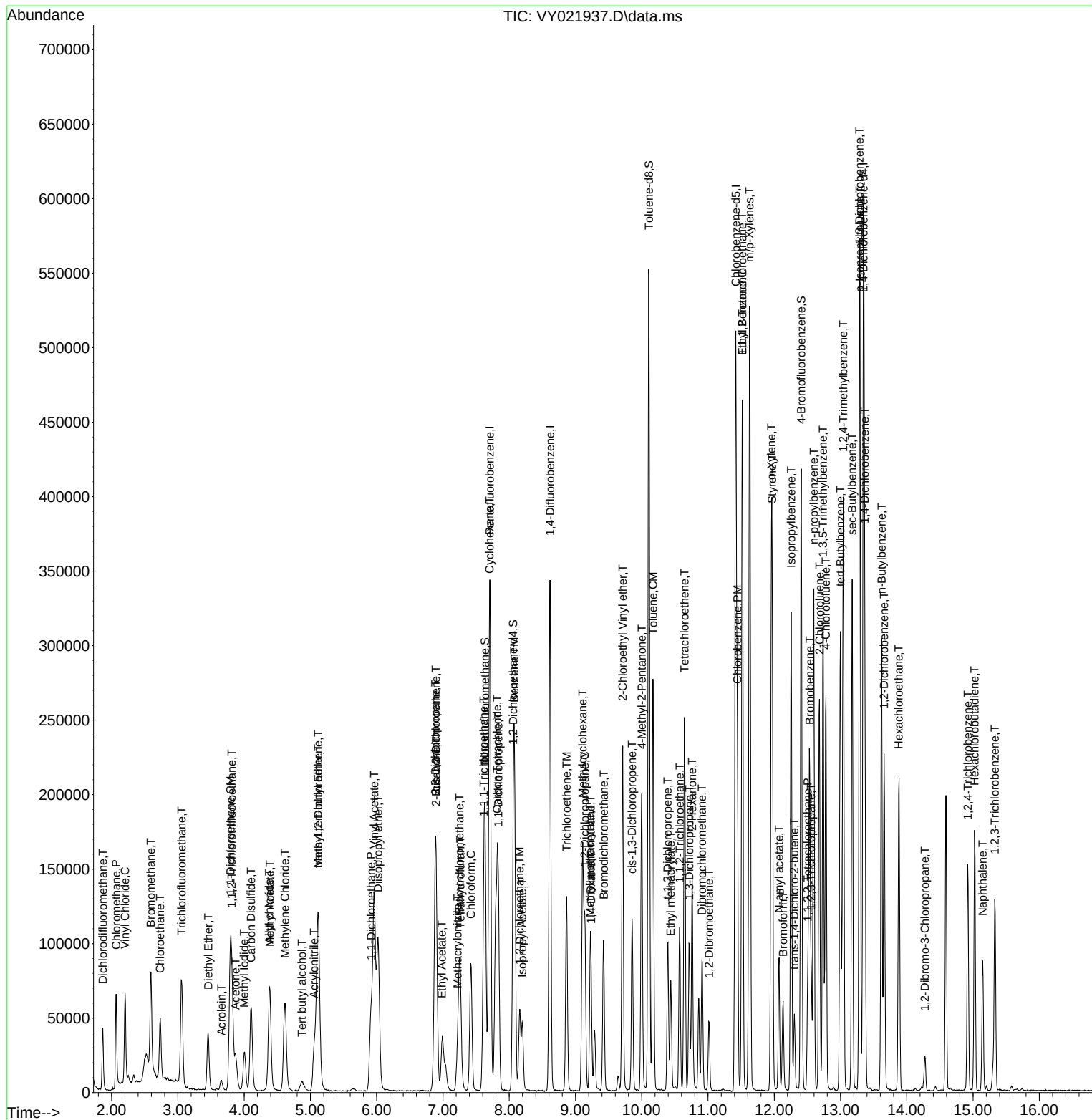
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021937.D
Acq On : 21 Apr 2025 10:18
Operator : SY/MD
Sample : VY0421SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBS01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 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



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021964.D
 Acq On : 23 Apr 2025 11:07
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	295173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	458305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	417679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140165	51.409	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.634	113	156093	51.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.109	98	593014	51.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.408	95	194614	50.645	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	49150	19.542	ug/l	97
3) Chloromethane	2.068	50	79531	22.207	ug/l	97
4) Vinyl Chloride	2.202	62	90607	20.588	ug/l	99
5) Bromomethane	2.592	94	91439	24.116	ug/l	98
6) Chloroethane	2.733	64	64520	21.526	ug/l	98
7) Trichlorofluoromethane	3.056	101	123323	21.251	ug/l	100
8) Diethyl Ether	3.458	74	29720	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	64570	20.511	ug/l	99
10) Methyl Iodide	4.001	142	65818	18.058	ug/l	99
11) Tert butyl alcohol	4.885	59	14597	97.521	ug/l	95
12) 1,1-Dichloroethene	3.787	96	59875	20.405	ug/l	97
13) Acrolein	3.659	56	27435	102.123	ug/l	99
14) Allyl chloride	4.385	41	66968	19.600	ug/l	99
15) Acrylonitrile	5.067	53	55987	101.248	ug/l	99
16) Acetone	3.879	43	38541	94.730	ug/l	92
17) Carbon Disulfide	4.104	76	192526	20.578	ug/l	98
18) Methyl Acetate	4.385	43	27554	21.635	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	131102	19.962	ug/l	96
20) Methylene Chloride	4.616	84	67092	19.461	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65708	19.995	ug/l	95
22) Diisopropyl ether	6.019	45	156652	20.603	ug/l	93
23) Vinyl Acetate	5.964	43	410600	100.200	ug/l	99
24) 1,1-Dichloroethane	5.915	63	106508	20.209	ug/l	99
25) 2-Butanone	6.896	43	59906	96.392	ug/l	100
26) 2,2-Dichloropropane	6.890	77	94723	20.506	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	74706	20.331	ug/l	99
28) Bromochloromethane	7.244	49	41102	20.078	ug/l	95
29) Tetrahydrofuran	7.262	42	40959	101.473	ug/l	100
30) Chloroform	7.421	83	120714	20.649	ug/l	96
31) Cyclohexane	7.701	56	88058	19.538	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	106943	20.220	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81879	20.132	ug/l	99
37) Ethyl Acetate	6.988	43	29318	20.071	ug/l	98
38) Carbon Tetrachloride	7.817	117	100138	20.605	ug/l	97
39) Methylcyclohexane	9.109	83	98332	19.212	ug/l	96
40) Benzene	8.079	78	263532	20.728	ug/l	99

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021964.D
 Acq On : 23 Apr 2025 11:07
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025

Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M

Quant Title : SW846 8260

QLast Update : Wed Apr 23 02:30:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15367	19.245	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	65165	20.702	ug/l	100
43) Isopropyl Acetate	8.201	43	55377	19.741	ug/l	99
44) Trichloroethene	8.866	130	71222	20.225	ug/l	99
45) 1,2-Dichloropropane	9.140	63	57685	20.517	ug/l	99
46) Dibromomethane	9.231	93	36042	20.478	ug/l	99
47) Bromodichloromethane	9.426	83	90955	20.687	ug/l	96
48) Methyl methacrylate	9.219	41	27965	21.565	ug/l	95
49) 1,4-Dioxane	9.244	88	7517	400.714	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	150808	102.554	ug/l	99
52) Toluene	10.170	92	170967	20.774	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	75065	19.904	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	92666	20.670	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	48596	20.670	ug/l	97
56) Ethyl methacrylate	10.438	69	52604	19.566	ug/l	99
57) 1,3-Dichloropropane	10.719	76	76673	20.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	134039	101.970	ug/l	100
59) 2-Hexanone	10.762	43	97696	100.725	ug/l	95
60) Dibromochloromethane	10.914	129	66379	20.393	ug/l	98
61) 1,2-Dibromoethane	11.018	107	45815	20.642	ug/l	99
64) Tetrachloroethene	10.646	164	80494	20.429	ug/l	98
65) Chlorobenzene	11.444	112	188396	20.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	68045	20.693	ug/l	98
67) Ethyl Benzene	11.518	91	302678	19.810	ug/l	99
68) m/p-Xylenes	11.627	106	245304	40.346	ug/l	99
69) o-Xylene	11.956	106	110797	19.772	ug/l	99
70) Styrene	11.969	104	188948	20.082	ug/l	99
71) Bromoform	12.133	173	38634	20.208	ug/l #	99
73) Isopropylbenzene	12.255	105	290429	19.616	ug/l	99
74) N-amyl acetate	12.072	43	48649	19.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52798	21.152	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	39256m	20.681	ug/l	
77) Bromobenzene	12.536	156	73923	19.760	ug/l	97
78) n-propylbenzene	12.597	91	357207	20.260	ug/l	100
79) 2-Chlorotoluene	12.682	91	204453	19.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	244632	20.054	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14911	18.917	ug/l	93
82) 4-Chlorotoluene	12.779	91	218007	20.453	ug/l	99
83) tert-Butylbenzene	12.999	119	210516	19.242	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	244676	20.053	ug/l	100
85) sec-Butylbenzene	13.176	105	318306	19.883	ug/l	100
86) p-Isopropyltoluene	13.292	119	265758	19.549	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	149215	19.638	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	150139	19.951	ug/l	99
89) n-Butylbenzene	13.621	91	234544	19.302	ug/l	98
90) Hexachloroethane	13.883	117	59491	19.918	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	133741	20.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8096	20.386	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	70613	18.803	ug/l	99
94) Hexachlorobutadiene	15.023	225	43918	19.007	ug/l	98
95) Naphthalene	15.145	128	110434	17.702	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	61606	19.004	ug/l	97

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

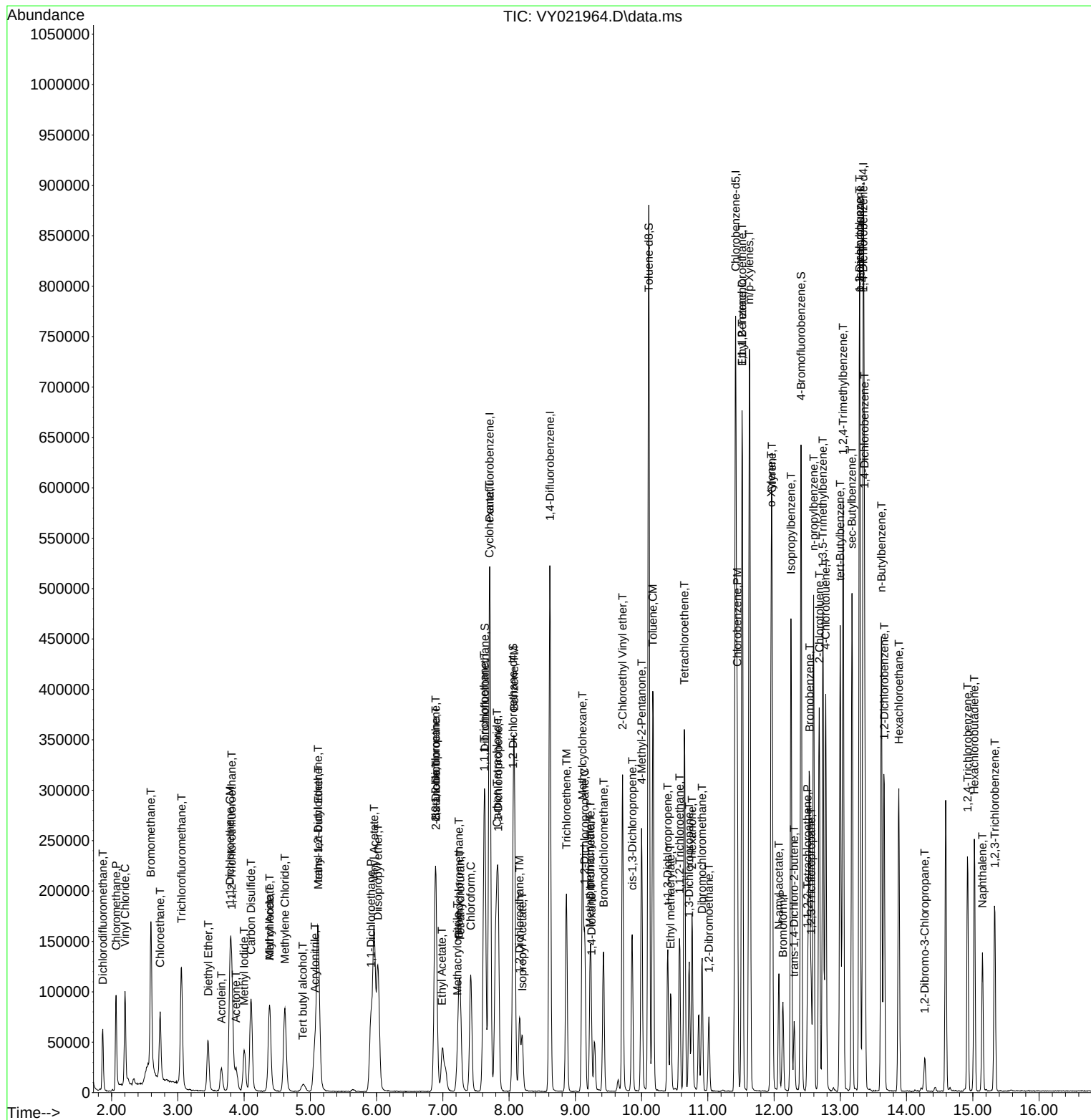
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY04235BS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021938.D
 Acq On : 21 Apr 2025 10:41
 Operator : SY/MD
 Sample : VY0421SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0421SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 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	184070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	287552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100790	50.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.634	113	96856	51.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.103	98	363518	51.227	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.408	95	123704	51.538	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	32394	16.979	ug/l	97
3) Chloromethane	2.068	50	50522	18.833	ug/l	99
4) Vinyl Chloride	2.202	62	55965	18.447	ug/l	97
5) Bromomethane	2.586	94	41971	20.283	ug/l	93
6) Chloroethane	2.733	64	37510	18.894	ug/l	95
7) Trichlorofluoromethane	3.056	101	72971	18.776	ug/l	99
8) Diethyl Ether	3.452	74	20104	19.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	38813	18.935	ug/l	96
10) Methyl Iodide	4.001	142	41463	18.438	ug/l	100
11) Tert butyl alcohol	4.866	59	12393	95.671	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	36226	18.763	ug/l	92
13) Acrolein	3.653	56	8171	34.545	ug/l	98
14) Allyl chloride	4.385	41	57136	18.561	ug/l	99
15) Acrylonitrile	5.055	53	45221	102.473	ug/l	98
16) Acetone	3.866	43	39229	96.111	ug/l	98
17) Carbon Disulfide	4.098	76	109809	17.268	ug/l	100
18) Methyl Acetate	4.385	43	25467	25.175	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	93476	19.446	ug/l	98
20) Methylene Chloride	4.616	84	44779	20.108	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	41282	19.420	ug/l	96
22) Diisopropyl ether	6.019	45	130558	20.218	ug/l	97
23) Vinyl Acetate	5.958	43	347021	91.860	ug/l	97
24) 1,1-Dichloroethane	5.915	63	78896	20.432	ug/l	97
25) 2-Butanone	6.896	43	56743	97.332	ug/l	95
26) 2,2-Dichloropropane	6.878	77	68052	19.813	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	48008	20.082	ug/l	98
28) Bromochloromethane	7.244	49	33682	20.683	ug/l	97
29) Tetrahydrofuran	7.262	42	36657	97.699	ug/l	99
30) Chloroform	7.421	83	82100	20.442	ug/l	100
31) Cyclohexane	7.701	56	60265	17.121	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	72317	19.923	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54350	19.130	ug/l	98
37) Ethyl Acetate	6.982	43	26109	19.472	ug/l	100
38) Carbon Tetrachloride	7.817	117	65041	19.987	ug/l	99
39) Methylcyclohexane	9.109	83	58586	17.261	ug/l	98
40) Benzene	8.079	78	172193	20.238	ug/l	98

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021938.D
 Acq On : 21 Apr 2025 10:41
 Operator : SY/MD
 Sample : VY0421SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0421SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 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)
41) Methacrylonitrile	7.220	41	13327	18.715	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	48744	20.321	ug/l	98
43) Isopropyl Acetate	8.195	43	50459	19.858	ug/l	100
44) Trichloroethene	8.866	130	44112	20.348	ug/l	97
45) 1,2-Dichloropropane	9.140	63	41044	20.379	ug/l	94
46) Dibromomethane	9.231	93	23846	20.544	ug/l	98
47) Bromodichloromethane	9.420	83	62196	20.679	ug/l	98
48) Methyl methacrylate	9.219	41	22425	19.229	ug/l	99
49) 1,4-Dioxane	9.231	88	5044	405.650	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	136330	103.097	ug/l	100
52) Toluene	10.170	92	109601	20.646	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	52802	19.765	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	62311	19.771	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	32667	21.870	ug/l	98
56) Ethyl methacrylate	10.438	69	37030	19.415	ug/l	98
57) 1,3-Dichloropropane	10.713	76	53694	20.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	100110	107.593	ug/l	100
59) 2-Hexanone	10.762	43	88016	99.943	ug/l	99
60) Dibromochloromethane	10.908	129	43098	21.133	ug/l	98
61) 1,2-Dibromoethane	11.012	107	29375	20.964	ug/l	99
64) Tetrachloroethene	10.646	164	52197	22.152	ug/l	96
65) Chlorobenzene	11.438	112	120728	20.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	43131	20.497	ug/l	97
67) Ethyl Benzene	11.518	91	196300	19.302	ug/l	97
68) m/p-Xylenes	11.627	106	156499	40.186	ug/l	98
69) o-Xylene	11.956	106	70690	19.665	ug/l	98
70) Styrene	11.969	104	119429	19.926	ug/l	100
71) Bromoform	12.127	173	25950	21.620	ug/l #	99
73) Isopropylbenzene	12.255	105	185545	18.318	ug/l	99
74) N-amyl acetate	12.066	43	42238	17.768	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34540	18.966	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	25499m	18.863	ug/l	
77) Bromobenzene	12.530	156	46905	19.287	ug/l	99
78) n-propylbenzene	12.597	91	228710	18.781	ug/l	99
79) 2-Chlorotoluene	12.676	91	134943	19.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	158146	19.103	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	11078	18.882	ug/l	97
82) 4-Chlorotoluene	12.773	91	142613	19.340	ug/l	99
83) tert-Butylbenzene	12.993	119	134989	18.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	160612	19.630	ug/l	99
85) sec-Butylbenzene	13.176	105	204114	18.942	ug/l	100
86) p-Isopropyltoluene	13.292	119	170280	19.119	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	97033	20.251	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	95456	20.164	ug/l	99
89) n-Butylbenzene	13.615	91	153578	18.646	ug/l	98
90) Hexachloroethane	13.877	117	36837	18.875	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	83956	20.128	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5779	20.474	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	44388	19.624	ug/l	100
94) Hexachlorobutadiene	15.023	225	29102	20.601	ug/l	97
95) Naphthalene	15.145	128	70308	18.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39508	20.483	ug/l	99

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
Data File : VY021938.D
Acq On : 21 Apr 2025 10:41
Operator : SY/MD
Sample : VY0421SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

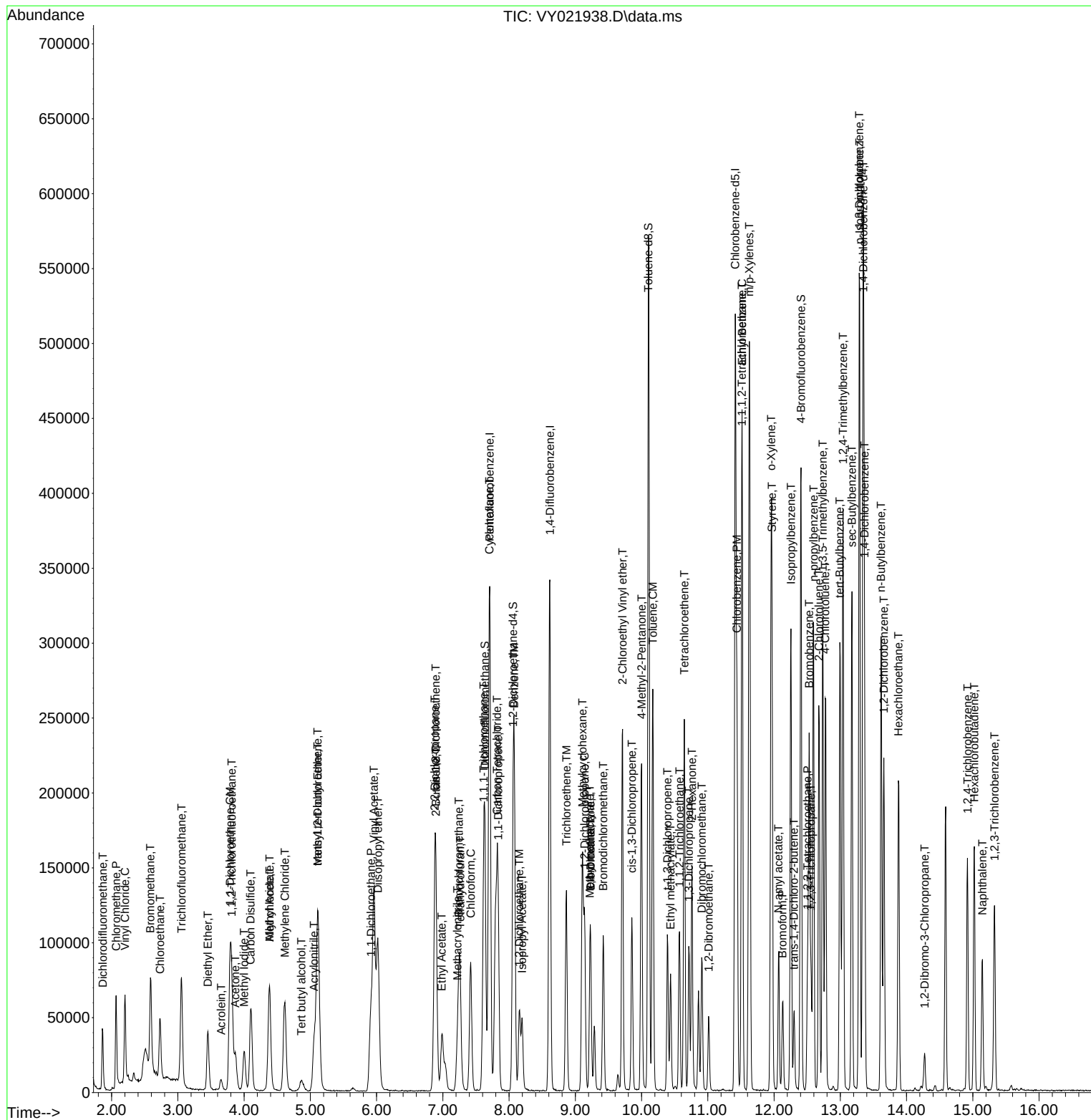
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Data File : VY021938.D
Acq On : 21 Apr 2025 10:41
Operator : SY/MD
Sample : VY04215BSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0421SBSD01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 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



Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y
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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

Manual Integration Report

Sequence:

vy042125

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021935.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:42 PM	MMDadoda	4/22/2025 1:59:02 PM	Peak Integrated by Software
VY0421SBS01	VY021937.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:42 PM	MMDadoda	4/22/2025 1:59:03 PM	Peak Integrated by Software
VY0421SBSD0 1	VY021938.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:43 PM	MMDadoda	4/22/2025 1:59:05 PM	Peak Integrated by Software
VSTDCCC050	VY021951.D	1,2,3-Trichloropropane	SAM	4/22/2025 1:56:46 PM	MMDadoda	4/22/2025 1:59:06 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDIC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDIC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDIC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDIC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDIC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDIC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDIC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDIC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDIC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDIC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDIC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software



Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	vy042325	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021962.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:00 AM	SAM	4/25/2025 12:54:43 AM	Peak Integrated by Software
VY0423SBS01	VY021964.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:02 AM	SAM	4/25/2025 12:54:43 AM	Peak Integrated by Software
VSTDCCC050	VY021985.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:05 AM	SAM	4/25/2025 12:54:45 AM	Peak Integrated by Software

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Maresh 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#	Sampleld	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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY032725

Review By	Maresh 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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 1:56:52 PM
Supervise By	Maresh Dadoda	Supervise On	4/22/2025 1:59:08 PM
SubDirectory	VY042125	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y032725s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133701		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133702,VP133703 VP131783		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021934.D	21 Apr 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY021935.D	21 Apr 2025 09:08	SY/MD	Ok,M
3	VY0421SBL01	VY021936.D	21 Apr 2025 09:42	SY/MD	Ok
4	VY0421SBS01	VY021937.D	21 Apr 2025 10:18	SY/MD	Ok,M
5	VY0421SBSD01	VY021938.D	21 Apr 2025 10:41	SY/MD	Ok,M
6	Q1840-01RE	VY021939.D	21 Apr 2025 11:37	SY/MD	Confirms
7	Q1841-01	VY021940.D	21 Apr 2025 12:00	SY/MD	ReRun
8	Q1842-02	VY021941.D	21 Apr 2025 12:23	SY/MD	Ok
9	Q1842-08	VY021942.D	21 Apr 2025 12:47	SY/MD	Ok
10	Q1842-14	VY021943.D	21 Apr 2025 13:10	SY/MD	Ok
11	Q1842-20	VY021944.D	21 Apr 2025 13:34	SY/MD	Ok
12	Q1842-26	VY021945.D	21 Apr 2025 13:57	SY/MD	Ok
13	Q1842-32	VY021946.D	21 Apr 2025 14:21	SY/MD	Ok
14	Q1842-38	VY021947.D	21 Apr 2025 14:44	SY/MD	Ok
15	Q1851-05	VY021948.D	21 Apr 2025 15:08	SY/MD	Ok
16	Q1851-06	VY021949.D	21 Apr 2025 15:31	SY/MD	ReRun
17	Q1851-07	VY021950.D	21 Apr 2025 15:54	SY/MD	Ok
18	VSTDCCC050	VY021951.D	21 Apr 2025 16:17	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Maresh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133718			
Initial Calibration Stds		VP133719,VP133720,VP133721,VP133722,VP133723,VP133724			
CCC					
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133725			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDIC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDIC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDIC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDIC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDIC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDIC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133726			
CCC		VP133727,VP133728			
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	VY021961.D	23 Apr 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VY021962.D	23 Apr 2025 09:57	SY/MD	Ok,M
3	VY0423SBL01	VY021963.D	23 Apr 2025 10:31	SY/MD	Ok
4	VY0423SBS01	VY021964.D	23 Apr 2025 11:07	SY/MD	Ok,M
5	VY0423SBSD01	VY021965.D	23 Apr 2025 11:30	SY/MD	Ok,M
6	Q1841-01RE	VY021966.D	23 Apr 2025 13:06	SY/MD	Confirms
7	Q1851-06	VY021967.D	23 Apr 2025 13:29	SY/MD	Ok
8	Q1850-01	VY021968.D	23 Apr 2025 13:53	SY/MD	Ok
9	Q1848-01	VY021969.D	23 Apr 2025 14:16	SY/MD	Ok
10	Q1848-03	VY021970.D	23 Apr 2025 14:40	SY/MD	Ok
11	Q1848-05	VY021971.D	23 Apr 2025 15:03	SY/MD	Ok
12	Q1853-01	VY021972.D	23 Apr 2025 15:27	SY/MD	ReRun
13	Q1854-01	VY021973.D	23 Apr 2025 15:50	SY/MD	Ok
14	Q1852-01	VY021974.D	23 Apr 2025 16:13	SY/MD	Ok
15	Q1852-03	VY021975.D	23 Apr 2025 16:37	SY/MD	Ok
16	Q1852-05	VY021976.D	23 Apr 2025 17:00	SY/MD	Ok
17	Q1852-07	VY021977.D	23 Apr 2025 17:24	SY/MD	Ok
18	Q1858-01	VY021978.D	23 Apr 2025 17:47	SY/MD	Ok
19	Q1858-02	VY021979.D	23 Apr 2025 18:11	SY/MD	Ok
20	Q1858-03	VY021980.D	23 Apr 2025 18:34	SY/MD	Ok
21	Q1859-01	VY021981.D	23 Apr 2025 18:58	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133726			
CCC		VP133727,VP133728			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1859-02	VY021982.D	23 Apr 2025 19:21	SY/MD	Ok
23	Q1859-03	VY021983.D	23 Apr 2025 19:44	SY/MD	Ok
24	Q1855-01	VY021984.D	23 Apr 2025 20:08	SY/MD	ReRun
25	VSTDCCC050	VY021985.D	23 Apr 2025 20:31	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 1:56:52 PM
Supervise By	Maresh Dadoda	Supervise On	4/22/2025 1:59:08 PM
SubDirectory	VY042125	HP Acquire Method	MSVOA_Y HP Processing Method 82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133701
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133702,VP133703 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021934.D	21 Apr 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021935.D	21 Apr 2025 09:08		SY/MD	Ok,M
3	VY0421SBL01	VY0421SBL01	VY021936.D	21 Apr 2025 09:42		SY/MD	Ok
4	VY0421SBS01	VY0421SBS01	VY021937.D	21 Apr 2025 10:18		SY/MD	Ok,M
5	VY0421SBSD01	VY0421SBSD01	VY021938.D	21 Apr 2025 10:41		SY/MD	Ok,M
6	Q1840-01RE	OK-04-04182025RE	VY021939.D	21 Apr 2025 11:37	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
7	Q1841-01	VNJ-231	VY021940.D	21 Apr 2025 12:00	vial-A Internal Standard Fail	SY/MD	ReRun
8	Q1842-02	PL-714-VOC-08	VY021941.D	21 Apr 2025 12:23	vial-A	SY/MD	Ok
9	Q1842-08	PL-714-VOC-09	VY021942.D	21 Apr 2025 12:47	vial-A	SY/MD	Ok
10	Q1842-14	PL-714-VOC-10	VY021943.D	21 Apr 2025 13:10	vial-A	SY/MD	Ok
11	Q1842-20	PL-714-VOC-11	VY021944.D	21 Apr 2025 13:34	vial-A	SY/MD	Ok
12	Q1842-26	PL-714-VOC-12	VY021945.D	21 Apr 2025 13:57	vial-A	SY/MD	Ok
13	Q1842-32	PL-714-VOC-13	VY021946.D	21 Apr 2025 14:21	vial-A	SY/MD	Ok
14	Q1842-38	PL-714-VOC-14	VY021947.D	21 Apr 2025 14:44	vial-A	SY/MD	Ok
15	Q1851-05	GP5	VY021948.D	21 Apr 2025 15:08	vial-A	SY/MD	Ok
16	Q1851-06	GP6	VY021949.D	21 Apr 2025 15:31	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1851-07	GP7	VY021950.D	21 Apr 2025 15:54	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042125

Review By	Semsettin Yesilyurt	Review On	4/22/2025 1:56:52 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/22/2025 1:59:08 PM				
SubDirectory	VY042125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		VP133701					
CCC		VP133702,VP133703					
Internal Standard/PEM		VP131783					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							
18	VSTDCCC050	VSTDCCC050EC	VY021951.D	21 Apr 2025 16:17		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133718			
Initial Calibration Stds		VP133719,VP133720,VP133721,VP133722,VP133723,VP133724			
CCC					
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133725			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133726			
CCC		VP133727,VP133728			
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	VY021961.D	23 Apr 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021962.D	23 Apr 2025 09:57		SY/MD	Ok,M
3	VY0423SBL01	VY0423SBL01	VY021963.D	23 Apr 2025 10:31		SY/MD	Ok
4	VY0423SBS01	VY0423SBS01	VY021964.D	23 Apr 2025 11:07		SY/MD	Ok,M
5	VY0423SBSD01	VY0423SBSD01	VY021965.D	23 Apr 2025 11:30		SY/MD	Ok,M
6	Q1841-01RE	VNJ-231RE	VY021966.D	23 Apr 2025 13:06	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1851-06	GP6	VY021967.D	23 Apr 2025 13:29	vial-B	SY/MD	Ok
8	Q1850-01	CONCRETE-PILE-N-C	VY021968.D	23 Apr 2025 13:53	vial-A	SY/MD	Ok
9	Q1848-01	RBR200027	VY021969.D	23 Apr 2025 14:16	vial-A	SY/MD	Ok
10	Q1848-03	ETGI-275	VY021970.D	23 Apr 2025 14:40	vial-A	SY/MD	Ok
11	Q1848-05	ETGI-342	VY021971.D	23 Apr 2025 15:03	vial-A	SY/MD	Ok
12	Q1853-01	EO-02-04222025	VY021972.D	23 Apr 2025 15:27	vial-A Internal Standard Fail	SY/MD	ReRun
13	Q1854-01	NB-08-04222025	VY021973.D	23 Apr 2025 15:50	vial-A	SY/MD	Ok
14	Q1852-01	ETGI-354	VY021974.D	23 Apr 2025 16:13	vial-A	SY/MD	Ok
15	Q1852-03	72-11977	VY021975.D	23 Apr 2025 16:37	vial-A	SY/MD	Ok
16	Q1852-05	ETGI-278	VY021976.D	23 Apr 2025 17:00	vial-A	SY/MD	Ok
17	Q1852-07	72-12013	VY021977.D	23 Apr 2025 17:24	vial-A	SY/MD	Ok
18	Q1858-01	COMP-1	VY021978.D	23 Apr 2025 17:47	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133726			
CCC		VP133727,VP133728			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1858-02	COMP-2	VY021979.D	23 Apr 2025 18:11	vial-A	SY/MD	Ok
20	Q1858-03	COMP-3	VY021980.D	23 Apr 2025 18:34	vial-A	SY/MD	Ok
21	Q1859-01	COMP-1	VY021981.D	23 Apr 2025 18:58	vial-A	SY/MD	Ok
22	Q1859-02	COMP-2	VY021982.D	23 Apr 2025 19:21	vial-A	SY/MD	Ok
23	Q1859-03	COMP-3	VY021983.D	23 Apr 2025 19:44	vial-A	SY/MD	Ok
24	Q1855-01	2001	VY021984.D	23 Apr 2025 20:08	vial-A Internal Standard Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021985.D	23 Apr 2025 20:31		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q1851	OrderDate:	4/21/2025 12:52:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1851-05	GP5	SOIL	VOCMS Group1	8260D	04/21/25		04/21/25	04/21/25
Q1851-06	GP6	SOIL	VOCMS Group1	8260D	04/21/25		04/23/25	04/21/25
Q1851-07	GP7	SOIL	VOCMS Group1	8260D	04/21/25		04/21/25	04/21/25



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP5	SDG No.:	Q1851
Lab Sample ID:	Q1851-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 0:48	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.1		1	1.22	2.07	mg/kg	FE053484.D
Aliphatic C9-C28	Aliphatic C9-C28	1.65	J	1	0.94	4.13	mg/kg	FE053484.D
Total AliphaticEPH	Total AliphaticEPH	20.8			2.16	6.20	mg/kg	
Total EPH	Total EPH	20.8			2.16	6.20	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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP5	SDG No.:	Q1851
Lab Sample ID:	Q1851-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
FE053484.D	1	04/22/25	04/23/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.65	J	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.1		1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.1		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.3		40 - 140	49%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1851-01	Acq On:	23 Apr 2025 00:48
Client Sample ID:	DP5	Operator:	YP\AJ
Data file:	FE053484.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	455546	3.288	300	ug/ml
Aliphatic C12-C16	6.765	10.214	714689	5.04	200	ug/ml
Aliphatic C16-C21	10.215	13.590	787474	5.417	300	ug/ml
Aliphatic C21-C28	13.591	17.259	1457129	10.249	400	ug/ml
Aliphatic C28-C40	17.260	22.156	35893335	278.137	600	ug/ml
Aliphatic EPH	3.123	22.156	39308173	302.131		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	4388306	24.33		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	3399308	25.15		ug/ml
Aliphatic C9-C28	3.123	17.259	3414838	23.994	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP6	SDG No.:	Q1851
Lab Sample ID:	Q1851-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 1:18	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.0		1	1.21	2.06	mg/kg FE053485.D
Aliphatic C9-C28	Aliphatic C9-C28	43.3		1	0.94	4.12	mg/kg FE053485.D
Total AliphaticEPH	Total AliphaticEPH	54.3			2.15	6.18	mg/kg
Total EPH	Total EPH	54.3			2.15	6.18	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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP6	SDG No.:	Q1851
Lab Sample ID:	Q1851-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053485.D	1	04/22/25	04/23/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	43.3		0.94	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.0		1.21	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.8		40 - 140	76%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1851-02	Acq On:	23 Apr 2025 01:18
Client Sample ID:	DP6	Operator:	YP\AJ
Data file:	FE053485.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	438693	3.166	300	ug/ml
Aliphatic C12-C16	6.765	10.214	12666134	89.32	200	ug/ml
Aliphatic C16-C21	10.215	13.590	60536182	416.446	300	ug/ml
Aliphatic C21-C28	13.591	17.259	17335589	121.932	400	ug/ml
Aliphatic C28-C40	17.260	22.156	20711571	160.494	600	ug/ml
Aliphatic EPH	3.123	22.156	111688169	791.358		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	6816047	37.79		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	4994683	36.95		ug/ml
Aliphatic C9-C28	3.123	17.259	90976598	630.864	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP7	SDG No.:	Q1851
Lab Sample ID:	Q1851-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 1:48	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.34		1	1.20	2.03	mg/kg FE053486.D
Aliphatic C9-C28	Aliphatic C9-C28	78.6		1	0.92	4.05	mg/kg FE053486.D
Total AliphaticEPH	Total AliphaticEPH	85.0			2.12	6.08	mg/kg
Total EPH	Total EPH	85.0			2.12	6.08	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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP7	SDG No.:	Q1851
Lab Sample ID:	Q1851-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053486.D	1	04/22/25	04/23/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	78.6		0.92	4.05	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.34		1.20	2.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.3		40 - 140	75%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1851-03	Acq On:	23 Apr 2025 01:48
Client Sample ID:	DP7	Operator:	YP\AJ
Data file:	FE053486.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	239933	1.732	300	ug/ml
Aliphatic C12-C16	6.765	10.214	18491005	130.396	200	ug/ml
Aliphatic C16-C21	10.215	13.590	117106571	805.61	300	ug/ml
Aliphatic C21-C28	13.591	17.259	32220221	226.624	400	ug/ml
Aliphatic C28-C40	17.260	22.156	12092476	93.704	600	ug/ml
Aliphatic EPH	3.123	22.156	180150206	1260		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	6719849	37.26		ug/ml
1-chlorooctadecane (SURR)	13.321	13.321	5006127	37.03		ug/ml
Aliphatic C9-C28	3.123	17.259	168057730	1160	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP8	SDG No.:	Q1851
Lab Sample ID:	Q1851-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 2:18	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1	1.28	2.16	mg/kg FE053487.D
Aliphatic C9-C28	Aliphatic C9-C28	20.8		1	0.98	4.32	mg/kg FE053487.D
Total AliphaticEPH	Total AliphaticEPH	50.3			2.26	6.48	mg/kg
Total EPH	Total EPH	50.3			2.26	6.48	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

Report of Analysis

Client:	G Environmental	Date Collected:	04/21/25
Project:	Stockton	Date Received:	04/21/25
Client Sample ID:	DP8	SDG No.:	Q1851
Lab Sample ID:	Q1851-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053487.D	1	04/22/25	04/23/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	20.8		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	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:	Q1851-04	Acq On:	23 Apr 2025 02:18
Client Sample ID:	DP8	Operator:	YP\AJ
Data file:	FE053487.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	7111095	51.321	300	ug/ml
Aliphatic C12-C16	6.765	10.214	4523830	31.902	200	ug/ml
Aliphatic C16-C21	10.215	13.590	16174106	111.266	300	ug/ml
Aliphatic C21-C28	13.591	17.259	13423494	94.416	400	ug/ml
Aliphatic C28-C40	17.260	22.156	52748595	408.748	600	ug/ml
Aliphatic EPH	3.123	22.156	93981120	697.652		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	5770856	32		ug/ml
1-chlorooctadecane (SURR)	13.319	13.319	4399888	32.55		ug/ml
Aliphatic C9-C28	3.123	17.259	41232525	288.905	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
Run Number: FE042225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
DP5	50	49		0
DP6	74	76		0
DP7	74	75		0
DP8	65	64		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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
Run Number: FG042225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167690BL	78	78		0
PB167690BS	88	82		0
PB167690BSD	78	72		0
ETGI-275MS	64	47		0
ETGI-275MSD	64	45		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

SOIL EPH SURROGATE RECOVERY

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851
Sample No : Q1848-03MS **Datafile:** FG015739.D
Client ID : ETGI-275MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	34.9	88.0	98.4	30	*	(40-140)
Aliphatic C9-C28	116.3	93.5	131	32	*	(40-140)

A

B

C

D

E

F

G

H

I

J

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851
Sample No : Q1848-03MSD **Datafile:** FG015740.D
Client ID : ETGI-275MSD

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	34.9	88.0	95.5	22	*	32.2 * (40-140)	25
Aliphatic C9-C28	116.3	93.5	128	30	*	8 (40-140)	25

A

B

C

D

E

F

G

H

I

J

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851
Sample No : PB167690BS **Datafile:** FG015735.D
Client ID : PB167690BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	23.6	79		(40-140)
Aliphatic C9-C28	99.9	76.0	77		(40-140)

A

B

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D

E

F

G

H

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851
Sample No : PB167690BSD **Datafile:** FG015736.D
Client ID : PB167690BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	22.7	76		3.9 (40-140)	50
Aliphatic C9-C28	99.9	67.6	68		12.1 (40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167690BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1851

SAS No.: Q1851 SDG NO.: Q1851

Instrument ID: FID_E

Lab Sample ID: PB167690BL

Matrix: (soil/water) Solid

Date Extracted: 4/22/2025 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
PB167690BS	PB167690BS
PB167690BSD	PB167690BSD
ETGI-275MS	Q1848-03MS
ETGI-275MSD	Q1848-03MSD
DP5	Q1851-01
DP6	Q1851-02
DP7	Q1851-03
DP8	Q1851-04

COMMENTS: _____



QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167690BL	SDG No.:	Q1851
Lab Sample ID:	PB167690BL	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
04/22/25 09:40	04/22/25 13:48	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FG015734.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FG015734.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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167690BL	SDG No.:	Q1851
Lab Sample ID:	PB167690BL	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
FG015734.D	1	04/22/25	04/22/25	PB167690

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)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167690BL	Acq On:	22 Apr 2025 13:48
Client Sample ID:	PB167690BL	Operator:	YP\AJ
Data file:	FG015734.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	0	0	300	ug/ml
Aliphatic C12-C16	6.787	10.235	0	0	200	ug/ml
Aliphatic C16-C21	10.236	13.612	0	0	300	ug/ml
Aliphatic C21-C28	13.613	17.283	0	0	400	ug/ml
Aliphatic C28-C40	17.284	22.194	0	0	600	ug/ml
Aliphatic EPH	3.145	22.194	0	0		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	5635503	38.87		ug/ml
1-chlorooctadecane (SURR)	13.346	13.346	4130716	39.06		ug/ml
Aliphatic C9-C28	3.145	17.283	0	0	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167690BS	SDG No.:	Q1851
Lab Sample ID:	PB167690BS	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
04/22/25 09:40	04/22/25 14:18	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	23.6		1	1.18	2.00	mg/kg FG015735.D
Aliphatic C9-C28	Aliphatic C9-C28	76.0		1	0.91	3.99	mg/kg FG015735.D
Total AliphaticEPH	Total AliphaticEPH	99.6			2.09	5.99	mg/kg
Total EPH	Total EPH	99.6			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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	PB167690BS		SDG No.:	Q1851	
Lab Sample ID:	PB167690BS		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
FG015735.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.0		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.2		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.0		40 - 140	82%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167690BS	Acq On:	22 Apr 2025 14:18
Client Sample ID:	PB167690BS	Operator:	YP\AJ
Data file:	FG015735.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	24037783	213.213	300	ug/ml
Aliphatic C12-C16	6.787	10.235	30695264	265.891	200	ug/ml
Aliphatic C16-C21	10.236	13.612	35120683	295.217	300	ug/ml
Aliphatic C21-C28	13.613	17.283	41417449	366.23	400	ug/ml
Aliphatic C28-C40	17.284	22.194	35033263	355.099	600	ug/ml
Aliphatic EPH	3.145	22.194	166304442	1500		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	5947336	41.02		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4670863	44.17		ug/ml
Aliphatic C9-C28	3.145	17.283	131271179	1140	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167690BSD	SDG No.:	Q1851
Lab Sample ID:	PB167690BSD	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
04/22/25 09:40	04/22/25 14:47	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1	1.18	2.00	mg/kg FG015736.D
Aliphatic C9-C28	Aliphatic C9-C28	67.6		1	0.91	3.99	mg/kg FG015736.D
Total AliphaticEPH	Total AliphaticEPH	90.3			2.09	5.99	mg/kg
Total EPH	Total EPH	90.3			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.

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167690BSD	SDG No.:	Q1851
Lab Sample ID:	PB167690BSD	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
FG015736.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.1		40 - 140	72%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167690BSD	Acq On:	22 Apr 2025 14:47
Client Sample ID:	PB167690BSD	Operator:	YP\AJ
Data file:	FG015736.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	20874500	185.155	300	ug/ml
Aliphatic C12-C16	6.787	10.235	26824799	232.364	200	ug/ml
Aliphatic C16-C21	10.236	13.612	31173162	262.035	300	ug/ml
Aliphatic C21-C28	13.613	17.283	37863703	334.806	400	ug/ml
Aliphatic C28-C40	17.284	22.194	33561027	340.176	600	ug/ml
Aliphatic EPH	3.145	22.194	150297191	1350		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5230164	36.08		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4125892	39.02		ug/ml
Aliphatic C9-C28	3.145	17.283	116736164	1010	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	ETGI-275MS	SDG No.:	Q1851
Lab Sample ID:	Q1848-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
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
04/22/25 09:40	04/22/25 16:15	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	98.4	E	1	1.37	2.33	mg/kg	FG015739.D
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1	1.06	4.65	mg/kg	FG015739.D
Total AliphaticEPH	Total AliphaticEPH	230			2.43	6.98	mg/kg	
Total EPH	Total EPH	230			2.43	6.98	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.

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

D = Dilution

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	ETGI-275MS		SDG No.:	Q1851	
Lab Sample ID:	Q1848-03MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.9	
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
FG015739.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	98.4	E	1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.3		40 - 140	47%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1848-03MS	Acq On:	22 Apr 2025 16:15
Client Sample ID:	ETGI-275MS	Operator:	YP\AJ
Data file:	FG015739.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	15586324	138.25	300	ug/ml
Aliphatic C12-C16	6.787	10.235	23704538	205.336	200	ug/ml
Aliphatic C16-C21	10.236	13.612	53703328	451.419	300	ug/ml
Aliphatic C21-C28	13.613	17.283	101703750	899.305	400	ug/ml
Aliphatic C28-C40	17.284	22.194	125180156	1270	600	ug/ml
Aliphatic EPH	3.145	22.194	319878096	2960		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	3382078	23.33		ug/ml
1-chlorooctadecane (SURR)	13.346	13.346	3382551	31.99		ug/ml
Aliphatic C9-C28	3.145	17.283	194697940	1690	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	ETGI-275MSD	SDG No.:	Q1851
Lab Sample ID:	Q1848-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
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
04/22/25 09:40	04/22/25 16:45	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	95.5	E	1	1.37	2.33	mg/kg	FG015740.D
Aliphatic C9-C28	Aliphatic C9-C28	128	E	1	1.06	4.65	mg/kg	FG015740.D
Total AliphaticEPH	Total AliphaticEPH	224			2.43	6.98	mg/kg	
Total EPH	Total EPH	224			2.43	6.98	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.

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	ETGI-275MSD	SDG No.:	Q1851
Lab Sample ID:	Q1848-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
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
FG015740.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	128	E	1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	95.5	E	1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.7		40 - 140	45%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1848-03MSD	Acq On:	22 Apr 2025 16:45
Client Sample ID:	ETGI-275MSD	Operator:	YP\AJ
Data file:	FG015740.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.786	15236052	135.143	300	ug/ml
Aliphatic C12-C16	6.787	10.235	23119551	200.268	200	ug/ml
Aliphatic C16-C21	10.236	13.612	55300339	464.843	300	ug/ml
Aliphatic C21-C28	13.613	17.283	96695070	855.016	400	ug/ml
Aliphatic C28-C40	17.284	22.194	121495899	1230	600	ug/ml
Aliphatic EPH	3.145	22.194	311846911	2890		ug/ml
ortho-Terphenyl (SURR)	11.902	11.902	3294434	22.72		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	3374845	31.91		ug/ml
Aliphatic C9-C28	3.145	17.283	190351012	1660	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE041725AL

AreaCount

Parameter Range	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.D	
Aliphatic C9-C12	40273090.000	19897378.000	8360865.000	4326048.000	2135544.000	
Aliphatic C12-C16	27441716.000	13492815.000	5715907.000	2962308.000	1458806.000	
Aliphatic C16-C21	41381922.000	20604545.000	8806501.000	4584729.000	2278742.000	
Aliphatic C21-C28	52866206.000	26808218.000	11424282.000	6149304.000	2962608.000	
Aliphatic C28-C40	71474370.000	36798070.000	15512235.000	8329821.000	4060883.000	
Aliphatic EPH	233437304.000	117601026.000	49819790.000	26352210.000	12896583.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138562.3539998	3.618				
Aliphatic C12-C16	141806.081	3.959				
Aliphatic C16-C21	145363.7646664	5.098				
Aliphatic C21-C28	142174.626	6.444				
Aliphatic C28-C40	129049.1849998	6.424				
Aliphatic EPH	137688.0073328	5.4				

Concentration

Parameter Range	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.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	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.D	
Aliphatic C9-C12	134243.633333	132649.186666	139347.750000	144201.600000	142369.600000	
Aliphatic C12-C16	137208.580000	134928.150000	142897.675000	148115.400000	145880.600000	
Aliphatic C16-C21	137939.740000	137363.633333	146775.016666	152824.300000	151916.133333	

Initial Calibration Report for SequenceID : FE041725AL

Aliphatic C21-C28	132165.515000	134041.090000	142803.525000	153732.600000	148130.400000	
Aliphatic C28-C40	119123.950000	122660.233333	129268.625000	138830.350000	135362.766666	
Aliphatic EPH	129687.391111	130667.806666	138388.305555	146401.166666	143295.366666	

Initial Calibration Report for SequenceID : FG041725AL

AreaCount

Parameter Range	FG015681.D	FG015682.D	FG015683.D	FG015684.D	FG015685.D	
Aliphatic C9-C12	33857214.000	16456708.000	6899651.000	3425968.000	1679106.000	
Aliphatic C12-C16	23367762.000	11285559.000	4730252.000	2344772.000	1120248.000	
Aliphatic C16-C21	35762999.000	17140718.000	7258827.000	3657776.000	1776612.000	
Aliphatic C21-C28	45280898.000	21485644.000	9113022.000	4752581.000	2241995.000	
Aliphatic C28-C40	55838428.000	27464757.000	11914183.000	6217198.000	3173120.000	
Aliphatic EPH	194107301.000	93833386.000	39915935.000	20398295.000	9991081.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	112740.4566664	1.83				
Aliphatic C12-C16	115442.82	2.43				
Aliphatic C16-C21	118965.713333	2.493				
Aliphatic C21-C28	113091.503	3.605				
Aliphatic C28-C40	98657.7456662	6.359				
Aliphatic EPH	109462.035333	3.198				

Concentration

Parameter Range	FG015681.D	FG015682.D	FG015683.D	FG015684.D	FG015685.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	FG015681.D	FG015682.D	FG015683.D	FG015684.D	FG015685.D	
Aliphatic C9-C12	112857.380000	109711.386666	114994.183333	114198.933333	111940.400000	
Aliphatic C12-C16	116838.810000	112855.590000	118256.300000	117238.600000	112024.800000	
Aliphatic C16-C21	119209.996666	114271.453333	120980.450000	121925.866666	118440.800000	

Initial Calibration Report for SequenceID : FG041725AL

Aliphatic C21-C28	113202.245000	107428.220000	113912.775000	118814.525000	112099.750000	
Aliphatic C28-C40	93064.046666	91549.190000	99284.858333	103619.966666	105770.666666	
Aliphatic EPH	107837.389444	104259.317777	110877.597222	113323.861111	111012.011111	

Continuing Calibration Report for SequenceID : FE042225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE053479.D

Aliphatic C9-C12	7941478.000	60.000	3.123	6.764	132357.967	138562.354	4.478
Aliphatic C12-C16	5323827.000	40.000	6.765	10.214	133095.675	141806.081	6.142
Aliphatic C16-C21	7725953.000	60.000	10.215	13.590	128765.883	145363.765	11.418
Aliphatic C21-C28	9836373.000	80.000	13.591	17.259	122954.663	142174.626	13.519
Aliphatic C28-C40	14465104.000	120.000	17.260	22.156	120542.533	129049.185	6.592
Aliphatic EPH	45292735.000	360.000	3.123	22.156	125813.153	137688.007	8.624

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Apr 2025 21:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053479.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.123	6.764	7941478.000	60.000	ug/ml
Aliphatic C12-C16	6.765	10.214	5323827.000	40.000	ug/ml
Aliphatic C16-C21	10.215	13.590	7725953.000	60.000	ug/ml
Aliphatic C21-C28	13.591	17.259	9836373.000	80.000	ug/ml
Aliphatic C28-C40	17.260	22.156	14465104.000	120.000	ug/ml
Aliphatic EPH	3.123	22.156	45292735.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE042225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE053489.D

Aliphatic C9-C12	7975060.000	60.000	3.123	6.764	132917.667	138562.354	4.074
Aliphatic C12-C16	5324738.000	40.000	6.765	10.214	133118.450	141806.081	6.126
Aliphatic C16-C21	7738634.000	60.000	10.215	13.590	128977.233	145363.765	11.273
Aliphatic C21-C28	9885570.000	80.000	13.591	17.259	123569.625	142174.626	13.086
Aliphatic C28-C40	14632618.000	120.000	17.260	22.156	121938.483	129049.185	5.510
Aliphatic EPH	45556620.000	360.000	3.123	22.156	126546.167	137688.007	8.092

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	23 Apr 2025 03:49
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053489.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.123	6.764	7975060.000	60.000	ug/ml
Aliphatic C12-C16	6.765	10.214	5324738.000	40.000	ug/ml
Aliphatic C16-C21	10.215	13.590	7738634.000	60.000	ug/ml
Aliphatic C21-C28	13.591	17.259	9885570.000	80.000	ug/ml
Aliphatic C28-C40	17.260	22.156	14632618.000	120.000	ug/ml
Aliphatic EPH	3.123	22.156	45556620.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG042225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015733.D

Aliphatic C9-C12	6745431.000	60.000	3.145	6.786	112423.850	112740.457	0.281
Aliphatic C12-C16	4676946.000	40.000	6.787	10.235	116923.650	115442.820	-1.283
Aliphatic C16-C21	7192390.000	60.000	10.236	13.612	119873.167	118965.713	-0.763
Aliphatic C21-C28	9129977.000	80.000	13.613	17.283	114124.713	113091.503	-0.914
Aliphatic C28-C40	11998647.000	120.000	17.284	22.194	99988.725	98657.746	-1.349
Aliphatic EPH	39743391.000	360.000	3.145	22.194	110398.308	109462.035	-0.855

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Apr 2025 12:08
Client Sample ID:		Operator:	YPAJ
Data file:	FG015733.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.145	6.786	6745431.000	60.000	ug/ml
Aliphatic C12-C16	6.787	10.235	4676946.000	40.000	ug/ml
Aliphatic C16-C21	10.236	13.612	7192390.000	60.000	ug/ml
Aliphatic C21-C28	13.613	17.283	9129977.000	80.000	ug/ml
Aliphatic C28-C40	17.284	22.194	11998647.000	120.000	ug/ml
Aliphatic EPH	3.145	22.194	39743391.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG042225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015745.D

Aliphatic C9-C12	6114796.000	60.000	3.145	6.786	101913.267	112740.457	9.604
Aliphatic C12-C16	4281915.000	40.000	6.787	10.235	107047.875	115442.820	7.272
Aliphatic C16-C21	6771038.000	60.000	10.236	13.612	112850.633	118965.713	5.140
Aliphatic C21-C28	8957528.000	80.000	13.613	17.283	111969.100	113091.503	0.992
Aliphatic C28-C40	12702469.000	120.000	17.284	22.194	105853.908	98657.746	-7.294
Aliphatic EPH	38827746.000	360.000	3.145	22.194	107854.850	109462.035	1.468

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Apr 2025 19:41
Client Sample ID:		Operator:	YPIAJ
Data file:	FG015745.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.145	6.786	6114796.000	60.000	ug/ml
Aliphatic C12-C16	6.787	10.235	4281915.000	40.000	ug/ml
Aliphatic C16-C21	10.236	13.612	6771038.000	60.000	ug/ml
Aliphatic C21-C28	13.613	17.283	8957528.000	80.000	ug/ml
Aliphatic C28-C40	17.284	22.194	12702469.000	120.000	ug/ml
Aliphatic EPH	3.145	22.194	38827746.000	360.000	ug/ml



SAMPLE RAW DATA

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
Data File : FE053484.D
Signal(s) : FID1B.ch
Acq On : 23 Apr 2025 00:48
Operator : YP\AJ
Sample : Q1851-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
DP5

Integration File: autoint1.e
Quant Time: Apr 23 02:56:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 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)	11.874	4388306	24.331 ug/ml
Spiked Amount	50.000	Recovery	= 48.66%
12) S 1-chlorooctadecane (S...	13.318	3399308	25.147 ug/ml
Spiked Amount	50.000	Recovery	= 50.29%

Target Compounds

(f)=RT Delta > 1/2 Window

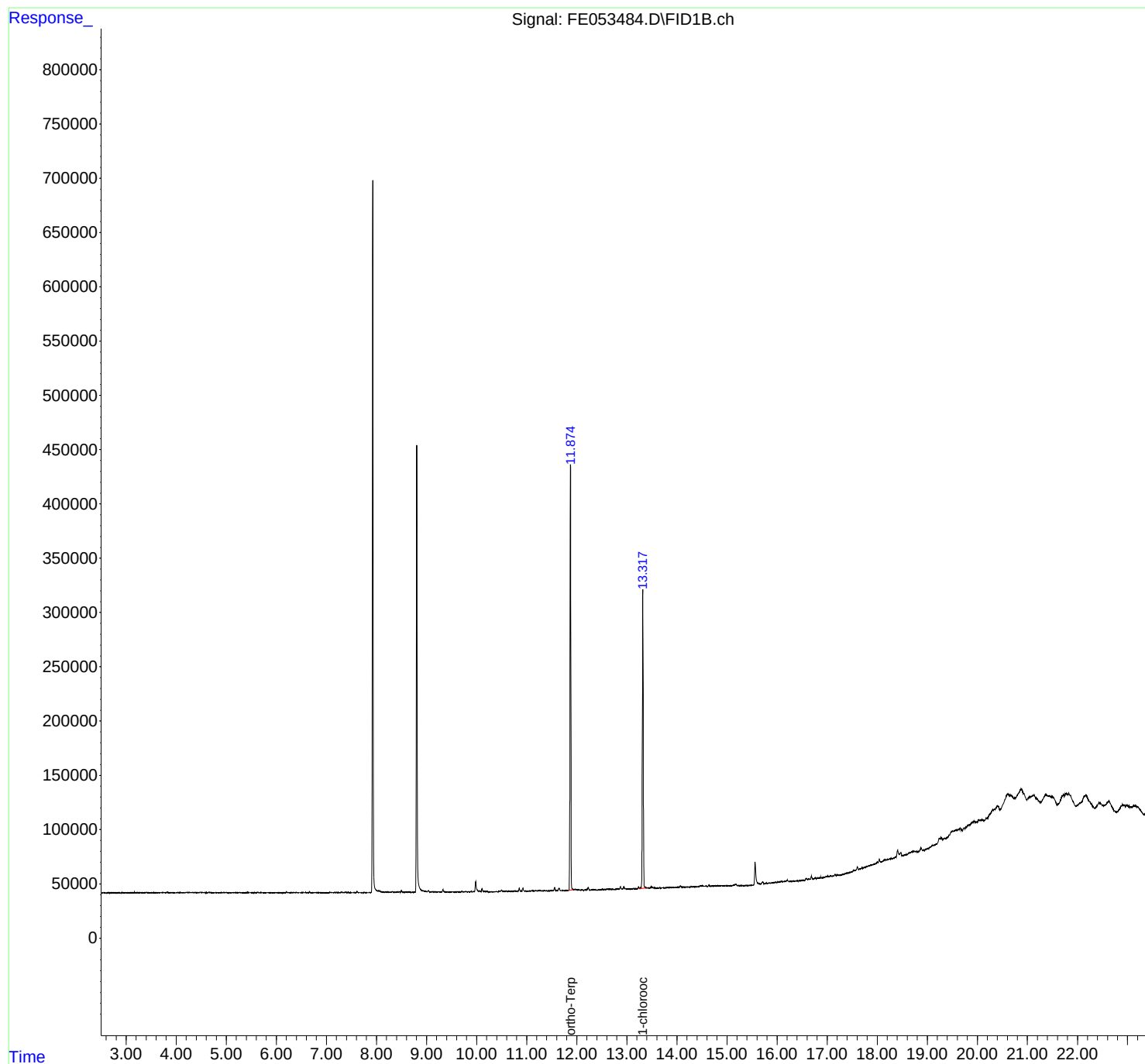
(m)=manual int.

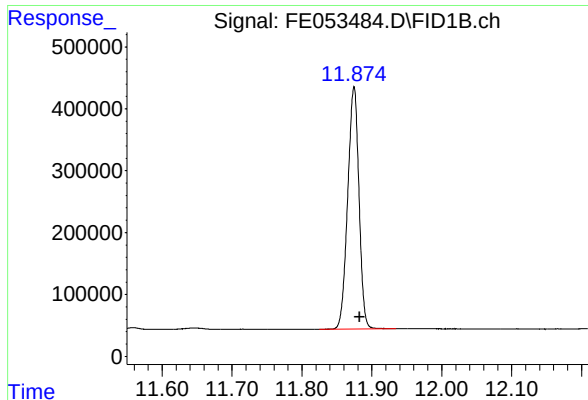
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
Data File : FE053484.D
Signal(s) : FID1B.ch
Acq On : 23 Apr 2025 00:48
Operator : YP\AJ
Sample : Q1851-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
DP5

Integration File: autoint1.e
Quant Time: Apr 23 02:56:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

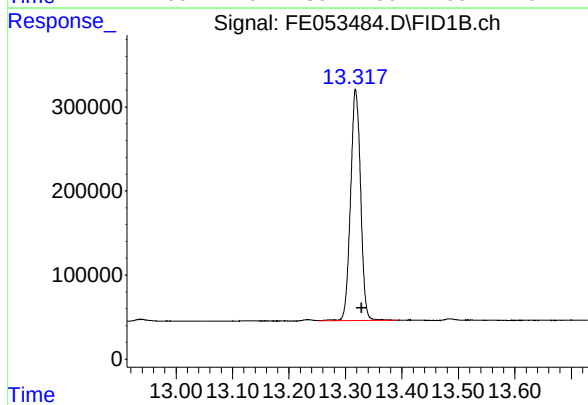




#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.009 min
Response: 4388306
Conc: 24.33 ug/ml

Instrument :
FID_E
ClientSampleId :
DP5



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min
Delta R.T.: -0.010 min
Response: 3399308
Conc: 25.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053484.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 00:48
 Sample : Q1851-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.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	2.857	2.805	2.896	BV	99	2320	0.05%	0.005%
2	2.916	2.896	2.939	VV	239	2940	0.06%	0.006%
3	2.952	2.939	3.017	VV	130	2968	0.06%	0.006%
4	3.048	3.017	3.081	VV	151	4005	0.09%	0.008%
5	3.088	3.081	3.095	VV	145	885	0.02%	0.002%
6	3.116	3.095	3.133	VV	209	3083	0.07%	0.006%
7	3.145	3.133	3.154	VV	179	1820	0.04%	0.004%
8	3.163	3.154	3.198	VV	307	4003	0.09%	0.008%
9	3.222	3.198	3.268	VV	357	7995	0.17%	0.016%
10	3.286	3.268	3.304	VV	196	3204	0.07%	0.007%
11	3.317	3.304	3.349	VV	179	3546	0.08%	0.007%
12	3.415	3.349	3.443	VV	260	10555	0.23%	0.021%
13	3.474	3.443	3.501	VV	215	6026	0.13%	0.012%
14	3.506	3.501	3.513	VV	174	1068	0.02%	0.002%
15	3.553	3.513	3.625	VV	220	12281	0.27%	0.025%
16	3.631	3.625	3.637	VV	210	1530	0.03%	0.003%
17	3.645	3.637	3.663	VV	279	3148	0.07%	0.006%
18	3.677	3.663	3.694	VV	296	4346	0.09%	0.009%
19	3.708	3.694	3.751	VV	433	9720	0.21%	0.020%
20	3.824	3.751	3.885	VV	416	20658	0.45%	0.042%
21	3.909	3.885	3.965	VV	498	11714	0.25%	0.024%
22	3.979	3.965	3.995	VV	191	3309	0.07%	0.007%
23	4.018	3.995	4.035	VV	405	6345	0.14%	0.013%
24	4.057	4.035	4.111	VV	374	12438	0.27%	0.025%
25	4.127	4.111	4.182	VV	288	8780	0.19%	0.018%
26	4.204	4.182	4.241	VV	541	11083	0.24%	0.023%
27	4.257	4.241	4.269	VV	309	4347	0.09%	0.009%
28	4.276	4.269	4.305	VV	248	5199	0.11%	0.011%
29	4.314	4.305	4.365	VV	316	8018	0.17%	0.016%
30	4.379	4.365	4.408	VV	261	5655	0.12%	0.011%
31	4.415	4.408	4.451	VV	258	5601	0.12%	0.011%
32	4.483	4.451	4.509	VV	772	12507	0.27%	0.025%
33	4.520	4.509	4.575	VV	324	9133	0.20%	0.019%
34	4.605	4.575	4.623	VV	283	6117	0.13%	0.012%
35	4.656	4.623	4.705	VV	389	11401	0.25%	0.023%
36	4.710	4.705	4.750	VV	248	4857	0.11%	0.010%

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					rt	Area	%Area	%Area
37	4.766	4.750	4.787	VV	240	4463	0.10%	0.009%
38	4.800	4.787	4.830	VV	253	5073	0.11%	0.010%
39	4.840	4.830	4.868	VV	178	4201	0.09%	0.009%
40	4.902	4.868	4.925	VV	428	8988	0.20%	0.018%
41	4.956	4.925	5.041	VV	337	16708	0.36%	0.034%
42	5.064	5.041	5.091	VV	252	5445	0.12%	0.011%
43	5.100	5.091	5.109	VV	200	1769	0.04%	0.004%
44	5.147	5.109	5.175	VV	294	7984	0.17%	0.016%
45	5.196	5.175	5.218	VV	294	5494	0.12%	0.011%
46	5.239	5.218	5.258	VV	231	4590	0.10%	0.009%
47	5.275	5.258	5.378	VV	264	11394	0.25%	0.023%
48	5.382	5.378	5.411	VV	149	2431	0.05%	0.005%
49	5.437	5.411	5.525	VV	403	14704	0.32%	0.030%
50	5.531	5.525	5.541	VV	136	1162	0.03%	0.002%
51	5.555	5.541	5.605	VV	189	4566	0.10%	0.009%
52	5.627	5.605	5.678	VV	697	12907	0.28%	0.026%
53	5.700	5.678	5.769	VV	279	10521	0.23%	0.021%
54	5.781	5.769	5.795	VV	260	2856	0.06%	0.006%
55	5.802	5.795	5.815	VV	223	2454	0.05%	0.005%
56	5.821	5.815	5.899	VV	213	7632	0.17%	0.016%
57	5.921	5.899	5.931	VV	226	3164	0.07%	0.006%
58	5.939	5.931	5.963	VV	206	3049	0.07%	0.006%
59	5.980	5.963	5.995	VV	247	3051	0.07%	0.006%
60	6.012	5.995	6.051	VV	275	5730	0.12%	0.012%
61	6.066	6.051	6.131	VV	153	5030	0.11%	0.010%
62	6.147	6.131	6.175	VV	136	2275	0.05%	0.005%
63	6.202	6.175	6.275	PV	793	19936	0.43%	0.041%
64	6.303	6.275	6.321	VV	239	4627	0.10%	0.009%
65	6.373	6.321	6.446	VV	467	16675	0.36%	0.034%
66	6.455	6.446	6.481	VV	163	3557	0.08%	0.007%
67	6.511	6.481	6.633	VV	374	17220	0.37%	0.035%
68	6.662	6.633	6.732	VV	760	13401	0.29%	0.027%
69	6.760	6.732	6.801	VV	210	6085	0.13%	0.012%
70	6.815	6.801	6.838	VV	256	4376	0.10%	0.009%
71	6.847	6.838	6.879	VV	183	2744	0.06%	0.006%
72	6.887	6.879	6.898	VV	59	481	0.01%	0.001%
73	6.943	6.898	6.968	VV	145	2546	0.06%	0.005%
74	6.979	6.968	7.011	VV	91	1506	0.03%	0.003%
75	7.016	7.011	7.053	VV	129	1574	0.03%	0.003%
76	7.072	7.053	7.105	VV	369	5898	0.13%	0.012%
77	7.109	7.105	7.115	VV	128	627	0.01%	0.001%
78	7.131	7.115	7.180	VV	176	5098	0.11%	0.010%
79	7.190	7.180	7.221	VV	246	4819	0.10%	0.010%
80	7.238	7.221	7.267	VV	234	3899	0.08%	0.008%
81	7.303	7.267	7.331	VV	776	14884	0.32%	0.030%
82	7.342	7.331	7.368	VV	403	5597	0.12%	0.011%
83	7.385	7.368	7.418	VV	440	8040	0.17%	0.016%
84	7.438	7.418	7.465	VV	526	7772	0.17%	0.016%
85	7.488	7.465	7.535	VV	177	4567	0.10%	0.009%
86	7.555	7.535	7.569	VV	144	2030	0.04%	0.004%
87	7.613	7.569	7.669	VV	1309	18702	0.41%	0.038%
88	7.682	7.669	7.717	VV	100	1699	0.04%	0.003%
89	7.744	7.717	7.765	VV	129	2398	0.05%	0.005%

					rteres			
90	7.786	7.765	7.821	VV	183	3263	0.07%	0.007%
91	8.039	8.028	8.125	VV	1777	63999	1.39%	0.130%
92	8.142	8.125	8.165	VV	580	11574	0.25%	0.024%
93	8.196	8.165	8.275	VV	597	26754	0.58%	0.054%
94	8.315	8.275	8.346	VV	1032	20178	0.44%	0.041%
95	8.364	8.346	8.385	VV	284	4888	0.11%	0.010%
96	8.396	8.385	8.403	VV	248	2407	0.05%	0.005%
97	8.421	8.403	8.435	VV	564	7808	0.17%	0.016%
98	8.455	8.435	8.476	VV	595	11924	0.26%	0.024%
99	8.498	8.476	8.571	VV	1995	34760	0.76%	0.071%
100	8.605	8.571	8.630	VV	417	11149	0.24%	0.023%
101	8.649	8.630	8.678	VV	420	7367	0.16%	0.015%
102	8.689	8.678	8.715	VV	152	2139	0.05%	0.004%
103	8.739	8.715	8.771	VV	173	2887	0.06%	0.006%
104	9.039	9.008	9.071	VV	1650	33250	0.72%	0.068%
105	9.091	9.071	9.108	VV	448	8932	0.19%	0.018%
106	9.114	9.108	9.134	VV	408	5283	0.11%	0.011%
107	9.153	9.134	9.175	VV	372	7629	0.17%	0.016%
108	9.185	9.175	9.221	VV	373	7864	0.17%	0.016%
109	9.243	9.221	9.294	VV	334	11509	0.25%	0.023%
110	9.328	9.294	9.391	VV	2380	38486	0.84%	0.078%
111	9.413	9.391	9.438	VV	291	4612	0.10%	0.009%
112	9.471	9.438	9.494	VV	155	3633	0.08%	0.007%
113	9.524	9.494	9.597	VV	288	9084	0.20%	0.018%
114	9.615	9.597	9.678	VV	264	5525	0.12%	0.011%
115	9.708	9.678	9.736	PV	672	11937	0.26%	0.024%
116	9.745	9.736	9.758	VV	198	2007	0.04%	0.004%
117	9.789	9.758	9.813	VV	532	9526	0.21%	0.019%
118	9.837	9.813	9.855	VV	396	5566	0.12%	0.011%
119	9.889	9.855	9.917	VV	366	7670	0.17%	0.016%
120	9.941	9.917	9.957	VV	478	5960	0.13%	0.012%
121	9.981	9.957	10.087	VV	9519	176827	3.84%	0.359%
122	10.111	10.087	10.167	VV	2944	44779	0.97%	0.091%
123	10.182	10.167	10.197	VV	272	4256	0.09%	0.009%
124	10.215	10.197	10.254	VV	308	5717	0.12%	0.012%
125	10.282	10.254	10.335	VV	137	3975	0.09%	0.008%
126	10.341	10.335	10.363	VV	75	789	0.02%	0.002%
127	10.389	10.363	10.420	PV	122	2060	0.04%	0.004%
128	10.453	10.420	10.474	VV	637	10329	0.22%	0.021%
129	10.500	10.474	10.530	VV	1671	26310	0.57%	0.053%
130	10.554	10.530	10.570	VV	444	7399	0.16%	0.015%
131	10.589	10.570	10.612	VV	462	7363	0.16%	0.015%
132	10.645	10.612	10.679	VV	533	9111	0.20%	0.019%
133	10.692	10.679	10.724	VV	190	3245	0.07%	0.007%
134	10.780	10.724	10.807	VV	414	12127	0.26%	0.025%
135	10.853	10.807	10.891	VV	3137	46167	1.00%	0.094%
136	10.924	10.891	11.001	VV	2996	52354	1.14%	0.106%
137	11.015	11.001	11.034	VV	83	1191	0.03%	0.002%
138	11.085	11.034	11.097	VV	321	6672	0.14%	0.014%
139	11.118	11.097	11.153	VV	597	11100	0.24%	0.023%
140	11.188	11.153	11.211	VV	558	12294	0.27%	0.025%
141	11.241	11.211	11.266	VV	581	14155	0.31%	0.029%

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142	11.273	11.266	11.292	VV	320	3211	0.07%	0.007%
143	11.308	11.292	11.345	VV	359	6330	0.14%	0.013%
144	11.361	11.345	11.384	VV	276	2890	0.06%	0.006%
145	11.416	11.384	11.436	VV	231	4487	0.10%	0.009%
146	11.452	11.436	11.468	VV	193	2362	0.05%	0.005%
147	11.489	11.468	11.515	VV	453	7450	0.16%	0.015%
148	11.558	11.515	11.610	VV	3035	43346	0.94%	0.088%
149	11.646	11.610	11.693	VV	2269	43264	0.94%	0.088%
150	11.714	11.693	11.735	VV	327	3940	0.09%	0.008%
151	11.752	11.735	11.789	VV	277	3432	0.07%	0.007%
152	11.799	11.789	11.805	PV	152	666	0.01%	0.001%
153	11.874	11.805	11.934	VV	392323	4418715	96.02%	8.982%
154	11.951	11.934	11.964	VV	1063	16995	0.37%	0.035%
155	11.977	11.964	12.003	VV	1035	19778	0.43%	0.040%
156	12.011	12.003	12.038	VV	598	10852	0.24%	0.022%
157	12.048	12.038	12.058	VV	496	5389	0.12%	0.011%
158	12.064	12.058	12.085	VV	404	5880	0.13%	0.012%
159	12.108	12.085	12.147	VV	498	9354	0.20%	0.019%
160	12.168	12.147	12.186	VV	416	6368	0.14%	0.013%
161	12.229	12.186	12.262	VV	2638	46947	1.02%	0.095%
162	12.320	12.262	12.361	VV	621	16961	0.37%	0.034%
163	12.370	12.361	12.410	VV	152	2912	0.06%	0.006%
164	12.449	12.410	12.472	PV	246	5605	0.12%	0.011%
165	12.510	12.472	12.532	VV	473	10577	0.23%	0.022%
166	12.553	12.532	12.568	VV	387	6527	0.14%	0.013%
167	12.590	12.568	12.602	VV	335	6274	0.14%	0.013%
168	12.645	12.602	12.666	VV	653	14891	0.32%	0.030%
169	12.688	12.666	12.764	VV	391	13091	0.28%	0.027%
170	12.810	12.764	12.837	PV	545	14848	0.32%	0.030%
171	12.872	12.837	12.915	VV	2519	39269	0.85%	0.080%
172	12.938	12.915	12.974	VV	2308	38963	0.85%	0.079%
173	12.983	12.974	13.008	VV	306	4743	0.10%	0.010%
174	13.021	13.008	13.060	VV	179	3059	0.07%	0.006%
175	13.128	13.060	13.151	VV	451	9080	0.20%	0.018%
176	13.165	13.151	13.175	VV	122	1850	0.04%	0.004%
177	13.193	13.175	13.211	VV	199	1949	0.04%	0.004%
178	13.233	13.211	13.253	PV	1614	21462	0.47%	0.044%
179	13.274	13.253	13.283	VV	1367	18259	0.40%	0.037%
180	13.318	13.283	13.403	VV	275317	3429917	74.53%	6.972%
181	13.415	13.403	13.461	VV	954	23411	0.51%	0.048%
182	13.485	13.461	13.508	VV	2216	33349	0.72%	0.068%
183	13.521	13.508	13.550	VV	759	15885	0.35%	0.032%
184	13.560	13.550	13.590	VV	537	9210	0.20%	0.019%
185	13.620	13.590	13.635	VV	341	8445	0.18%	0.017%
186	13.654	13.635	13.673	VV	384	7363	0.16%	0.015%
187	13.703	13.673	13.734	VV	512	13567	0.29%	0.028%
188	13.760	13.734	13.771	VV	331	6663	0.14%	0.014%
189	13.832	13.771	13.853	VV	559	19727	0.43%	0.040%
190	13.930	13.853	13.958	VV	541	25750	0.56%	0.052%
191	13.979	13.958	13.998	VV	558	11962	0.26%	0.024%
192	14.023	13.998	14.043	VV	700	14602	0.32%	0.030%
193	14.072	14.043	14.095	VV	1736	29061	0.63%	0.059%
194	14.105	14.095	14.135	VV	589	11713	0.25%	0.024%

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195	14.149	14.135	14.159	VV	449	5893	0.13%	0.012%
196	14.168	14.159	14.193	VV	452	7197	0.16%	0.015%
197	14.231	14.193	14.256	VV	418	12583	0.27%	0.026%
198	14.293	14.256	14.328	VV	746	21671	0.47%	0.044%
199	14.467	14.328	14.490	VV	1383	56551	1.23%	0.115%
200	14.511	14.490	14.553	VV	1196	33560	0.73%	0.068%
201	14.578	14.553	14.610	VV	1115	26119	0.57%	0.053%
202	14.637	14.610	14.716	VV	1628	53374	1.16%	0.108%
203	14.749	14.716	14.789	VV	867	32106	0.70%	0.065%
204	14.810	14.789	14.838	VV	857	20369	0.44%	0.041%
205	14.887	14.838	14.908	VV	755	25379	0.55%	0.052%
206	14.918	14.908	14.976	VV	595	17807	0.39%	0.036%
207	15.023	14.976	15.063	VV	735	24868	0.54%	0.051%
208	15.177	15.063	15.206	VV	1766	71046	1.54%	0.144%
209	15.224	15.206	15.261	VV	607	10796	0.23%	0.022%
210	15.285	15.261	15.301	VV	232	4638	0.10%	0.009%
211	15.324	15.301	15.347	VV	155	2712	0.06%	0.006%
212	15.371	15.347	15.398	PV	289	3846	0.08%	0.008%
213	15.437	15.398	15.448	PV	33	1248	0.03%	0.003%
214	15.560	15.448	15.671	PV	20698	389318	8.46%	0.791%
215	15.712	15.671	15.738	VV	1995	46143	1.00%	0.094%
216	15.766	15.738	15.778	VV	596	11583	0.25%	0.024%
217	15.782	15.778	15.788	VV	601	2971	0.06%	0.006%
218	15.802	15.788	15.810	VV	555	6422	0.14%	0.013%
219	15.835	15.810	15.853	VV	547	12228	0.27%	0.025%
220	16.082	15.853	16.111	VV	1260	104148	2.26%	0.212%
221	16.203	16.111	16.244	VV	1882	71674	1.56%	0.146%
222	16.262	16.244	16.290	VV	462	10503	0.23%	0.021%
223	16.333	16.290	16.358	VV	365	10605	0.23%	0.022%
224	16.398	16.358	16.421	VV	304	8595	0.19%	0.017%
225	16.580	16.421	16.621	PV	1434	33713	0.73%	0.069%
226	16.643	16.621	16.660	VV	439	7937	0.17%	0.016%
227	16.687	16.660	16.738	VV	2750	46496	1.01%	0.095%
228	16.767	16.738	16.795	VV	753	13417	0.29%	0.027%
229	16.841	16.795	16.862	PV	408	12514	0.27%	0.025%
230	16.899	16.862	16.911	VV	204	6113	0.13%	0.012%
231	17.009	16.911	17.037	VV	1031	24855	0.54%	0.051%
232	17.071	17.037	17.104	VV	739	15638	0.34%	0.032%
233	17.155	17.104	17.180	VV	1550	26629	0.58%	0.054%
234	17.200	17.180	17.225	VV	873	12503	0.27%	0.025%
235	17.239	17.225	17.251	VV	233	2508	0.05%	0.005%
236	17.395	17.251	17.418	PV	431	10780	0.23%	0.022%
237	17.527	17.418	17.537	PV	1126	29532	0.64%	0.060%
238	17.603	17.537	17.628	VV	3701	91019	1.98%	0.185%
239	18.006	17.628	18.017	VV	3139	398862	8.67%	0.811%
240	18.043	18.017	18.072	VV	4708	112925	2.45%	0.230%
241	18.138	18.072	18.155	VV	3706	137812	2.99%	0.280%
242	18.176	18.155	18.185	VV	3231	57715	1.25%	0.117%
243	18.285	18.185	18.302	VV	3109	217103	4.72%	0.441%
244	18.363	18.302	18.378	VV	3582	141804	3.08%	0.288%
245	18.406	18.378	18.441	VV	9188	241201	5.24%	0.490%
246	18.465	18.441	18.511	VV	6432	195323	4.24%	0.397%

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247	18.555	18.511	18.570	VV	3172	105533	2.29%	0.215%
248	18.705	18.570	18.713	VV	4401	309024	6.72%	0.628%
249	18.736	18.713	18.757	VV	4364	109277	2.37%	0.222%
250	18.771	18.757	18.801	VV	3748	89642	1.95%	0.182%
251	18.825	18.801	18.833	VV	3000	56382	1.23%	0.115%
252	18.875	18.833	18.912	VV	5906	189720	4.12%	0.386%
253	18.931	18.912	18.943	VV	3100	53592	1.16%	0.109%
254	19.122	18.943	19.137	VV	5220	451771	9.82%	0.918%
255	19.236	19.137	19.261	VV	10249	514177	11.17%	1.045%
256	19.278	19.261	19.311	VV	10529	280249	6.09%	0.570%
257	19.357	19.311	19.371	VV	8757	308365	6.70%	0.627%
258	19.508	19.371	19.521	VV	13405	984026	21.38%	2.000%
259	19.581	19.521	19.600	VV	13960	641105	13.93%	1.303%
260	19.657	19.600	19.678	VV	14521	636243	13.83%	1.293%
261	19.689	19.678	19.708	VV	12774	219185	4.76%	0.446%
262	19.730	19.708	19.749	VV	13835	318493	6.92%	0.647%
263	19.832	19.749	19.851	VV	15265	889198	19.32%	1.808%
264	19.933	19.851	19.965	VV	17451	1117921	24.29%	2.272%
265	19.986	19.965	19.998	VV	16169	311591	6.77%	0.633%
266	20.022	19.998	20.073	VV	17176	757738	16.47%	1.540%
267	20.097	20.073	20.134	VV	16757	590765	12.84%	1.201%
268	20.308	20.134	20.320	VV	23503	2127988	46.24%	4.326%
269	20.341	20.320	20.351	VV	23705	434431	9.44%	0.883%
270	20.407	20.351	20.448	VV	25746	1412160	30.69%	2.871%
271	20.618	20.448	20.648	VV	34043	3440810	74.77%	6.994%
272	20.669	20.648	20.741	VV	32549	1715649	37.28%	3.488%
273	20.876	20.741	20.990	VV	35731	4601908	100.00%	9.355%
274	21.030	20.990	21.041	VV	26005	765354	16.63%	1.556%
275	21.123	21.041	21.255	VV	26631	3085837	67.06%	6.273%
276	21.375	21.255	21.411	VV	24295	2051760	44.58%	4.171%
277	21.421	21.411	21.428	VV	22701	234405	5.09%	0.476%
278	21.438	21.428	21.478	VV	22606	646926	14.06%	1.315%
279	21.495	21.478	21.508	VV	21069	373962	8.13%	0.760%
280	21.511	21.508	21.597	VV	20719	887057	19.28%	1.803%
281	21.724	21.597	21.733	VV	19525	1323215	28.75%	2.690%
282	21.764	21.733	21.804	VV	20472	844411	18.35%	1.717%
283	21.828	21.804	21.971	VV	19813	1379389	29.97%	2.804%
284	22.164	21.971	22.351	VV	14140	1820614	39.56%	3.701%
285	22.433	22.351	22.519	PV	3876	200113	4.35%	0.407%

Sum of corrected areas: 49193737

Aliphatic EPH 041725.M Wed Apr 23 03:40:49 2025

6

A

B

C

D

E

F

G

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I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053485.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 01:18
 Operator : YP\AJ
 Sample : Q1851-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 DP6

Integration File: autoint1.e
 Quant Time: Apr 23 02:56:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 16 18:29:18 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)	11.876	6816047	37.791 ug/ml
Spiked Amount	50.000	Recovery	= 75.58%
12) S 1-chlorooctadecane (S...	13.320	4994683	36.950 ug/ml
Spiked Amount	50.000	Recovery	= 73.90%

Target Compounds

(f)=RT Delta > 1/2 Window

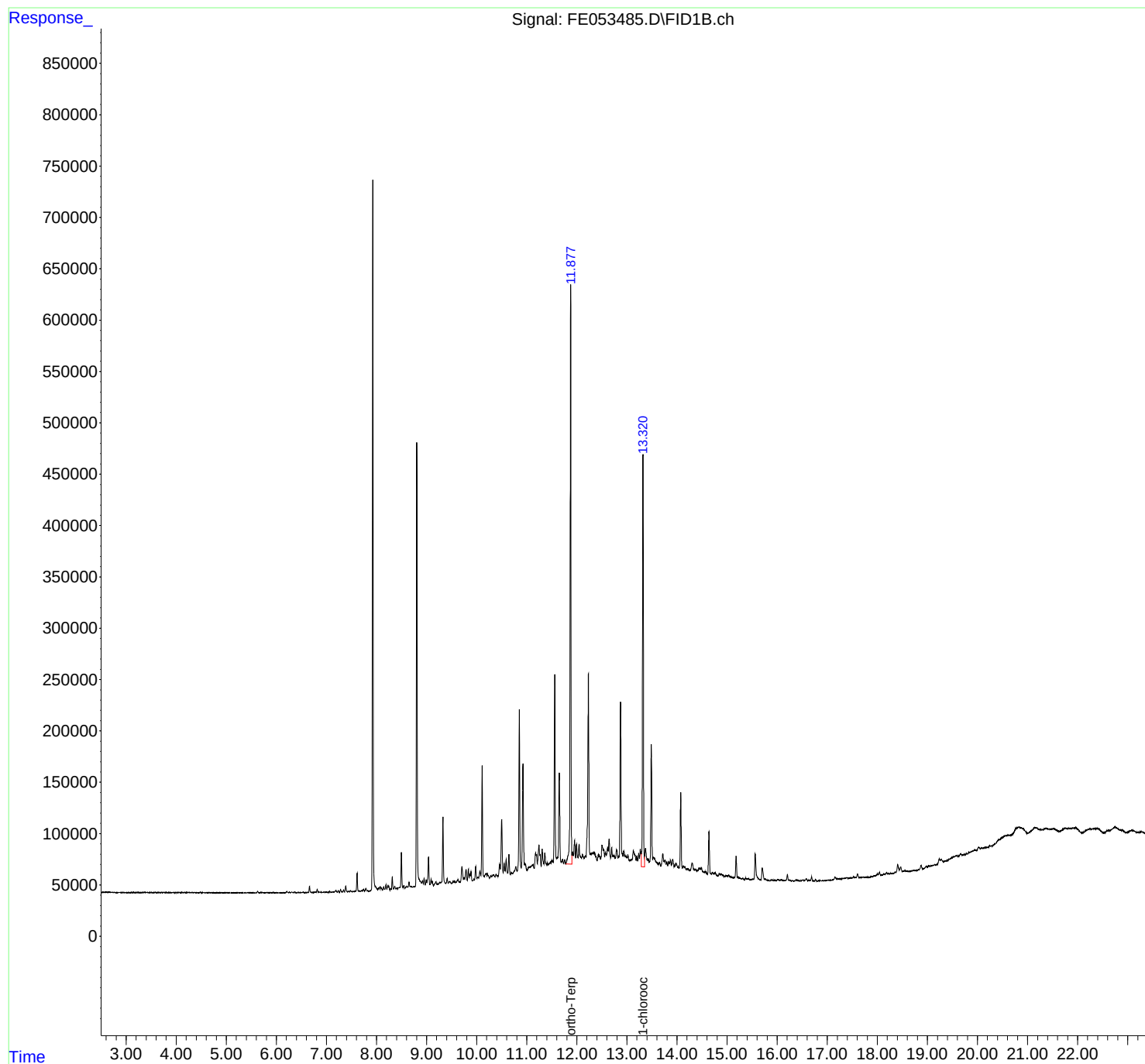
(m)=manual int.

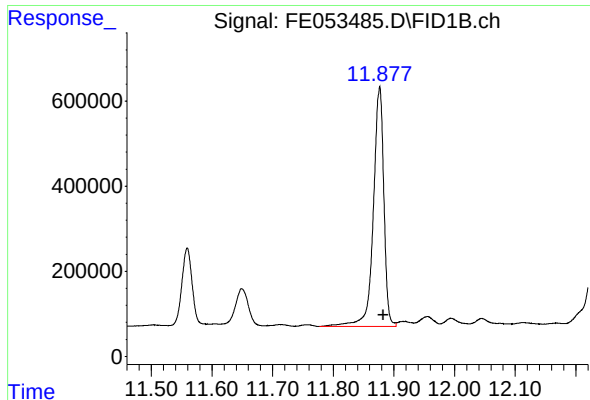
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
Data File : FE053485.D
Signal(s) : FID1B.ch
Acq On : 23 Apr 2025 01:18
Operator : YP\AJ
Sample : Q1851-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
DP6

Integration File: autoint1.e
Quant Time: Apr 23 02:56:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

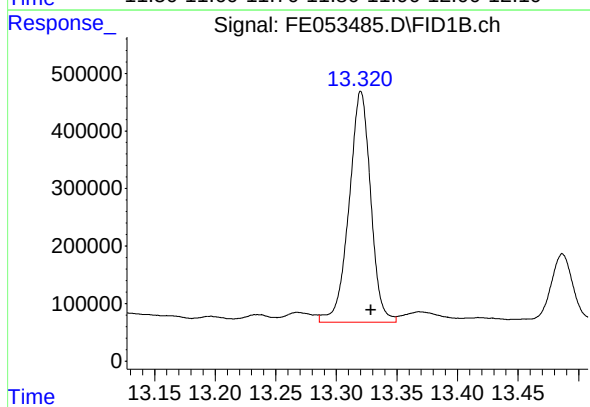




#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min
Delta R.T.: -0.007 min
Response: 6816047
Conc: 37.79 ug/ml

Instrument :
FID_E
ClientSampleId :
DP6



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: -0.008 min
Response: 4994683
Conc: 36.95 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053485.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 01:18
 Sample : Q1851-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.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	2.857	2.804	2.928	BV	152	3577	0.04%	0.003%
2	2.936	2.928	2.951	PV	38	581	0.01%	0.000%
3	2.963	2.951	3.005	VV	93	1588	0.02%	0.001%
4	3.035	3.005	3.048	VV	86	1184	0.01%	0.001%
5	3.061	3.048	3.085	VV	112	1722	0.02%	0.001%
6	3.130	3.085	3.188	PV	152	6464	0.07%	0.005%
7	3.199	3.188	3.204	VV	89	795	0.01%	0.001%
8	3.223	3.204	3.251	VV	250	4185	0.05%	0.003%
9	3.264	3.251	3.282	VV	80	1263	0.01%	0.001%
10	3.295	3.282	3.308	VV	115	889	0.01%	0.001%
11	3.315	3.308	3.341	VV	85	1240	0.01%	0.001%
12	3.372	3.341	3.392	VV	128	2852	0.03%	0.002%
13	3.411	3.392	3.518	VV	182	8614	0.09%	0.007%
14	3.528	3.518	3.644	VV	129	8911	0.10%	0.007%
15	3.668	3.644	3.688	VV	181	4012	0.04%	0.003%
16	3.706	3.688	3.773	VV	358	9150	0.10%	0.007%
17	3.821	3.773	3.884	VV	210	10332	0.11%	0.008%
18	3.908	3.884	3.929	VV	318	4586	0.05%	0.004%
19	3.946	3.929	3.998	VV	116	4683	0.05%	0.004%
20	4.052	3.998	4.108	VV	378	14973	0.16%	0.012%
21	4.127	4.108	4.154	VV	239	4631	0.05%	0.004%
22	4.207	4.154	4.402	VV	231	22079	0.24%	0.017%
23	4.482	4.402	4.534	VV	563	13290	0.15%	0.010%
24	4.548	4.534	4.578	VV	177	3300	0.04%	0.003%
25	4.605	4.578	4.625	VV	186	3460	0.04%	0.003%
26	4.655	4.625	4.751	VV	325	9260	0.10%	0.007%
27	4.767	4.751	4.868	VV	240	7471	0.08%	0.006%
28	4.905	4.868	5.041	VV	151	10131	0.11%	0.008%
29	5.062	5.041	5.114	VV	84	2217	0.02%	0.002%
30	5.157	5.114	5.181	VV	201	5120	0.06%	0.004%
31	5.195	5.181	5.218	VV	187	2587	0.03%	0.002%
32	5.238	5.218	5.280	VV	234	4486	0.05%	0.003%
33	5.305	5.280	5.361	VV	262	4620	0.05%	0.004%
34	5.437	5.361	5.604	PV	389	16520	0.18%	0.013%
35	5.626	5.604	5.660	PV	1628	20370	0.22%	0.016%
36	5.699	5.660	5.798	VV	372	21336	0.23%	0.017%

Page 1

					rteres			
37	5.824	5.798	5.867	VV	370	10076	0.11%	0.008%
38	5.888	5.867	5.905	VV	269	4105	0.05%	0.003%
39	5.930	5.905	5.974	VV	456	9460	0.10%	0.007%
40	5.998	5.974	6.041	VV	181	5651	0.06%	0.004%
41	6.058	6.041	6.088	VV	202	2573	0.03%	0.002%
42	6.105	6.088	6.134	VV	226	2736	0.03%	0.002%
43	6.208	6.134	6.241	PV	961	24153	0.27%	0.019%
44	6.260	6.241	6.281	VV	603	8137	0.09%	0.006%
45	6.305	6.281	6.332	VV	956	13380	0.15%	0.010%
46	6.369	6.332	6.405	VV	1019	16907	0.19%	0.013%
47	6.455	6.405	6.474	VV	320	7886	0.09%	0.006%
48	6.533	6.474	6.568	VV	581	17550	0.19%	0.014%
49	6.608	6.568	6.634	VV	236	6357	0.07%	0.005%
50	6.662	6.634	6.734	PV	6280	75895	0.83%	0.059%
51	6.815	6.734	6.874	VV	3333	61556	0.68%	0.048%
52	6.889	6.874	6.921	VV	597	7731	0.09%	0.006%
53	6.948	6.921	6.974	VV	507	9507	0.10%	0.007%
54	6.992	6.974	7.041	VV	446	10390	0.11%	0.008%
55	7.067	7.041	7.104	VV	662	11231	0.12%	0.009%
56	7.133	7.104	7.151	PV	441	8073	0.09%	0.006%
57	7.191	7.151	7.218	VV	1510	34809	0.38%	0.027%
58	7.237	7.218	7.259	VV	1706	19878	0.22%	0.015%
59	7.283	7.259	7.318	VV	2563	35820	0.39%	0.028%
60	7.341	7.318	7.360	VV	2233	25403	0.28%	0.020%
61	7.386	7.360	7.419	VV	5884	76834	0.84%	0.060%
62	7.438	7.419	7.460	VV	787	11237	0.12%	0.009%
63	7.484	7.460	7.504	PV	1390	16211	0.18%	0.013%
64	7.529	7.504	7.544	VV	455	8034	0.09%	0.006%
65	7.612	7.544	7.682	VV	18042	227073	2.50%	0.177%
66	7.739	7.682	7.761	VV	1711	48612	0.53%	0.038%
67	7.788	7.761	7.854	VV	3367	64727	0.71%	0.050%
68	8.073	8.020	8.118	VV	4622	174203	1.92%	0.136%
69	8.143	8.118	8.163	VV	4324	72049	0.79%	0.056%
70	8.188	8.163	8.207	VV	6162	92973	1.02%	0.072%
71	8.242	8.207	8.269	VV	5070	133927	1.47%	0.104%
72	8.315	8.269	8.341	VV	13666	199811	2.20%	0.156%
73	8.364	8.341	8.388	VV	4479	81504	0.90%	0.063%
74	8.497	8.388	8.528	VV	37434	610897	6.72%	0.476%
75	8.546	8.528	8.568	VV	4896	89252	0.98%	0.069%
76	8.650	8.568	8.728	VV	8391	394228	4.33%	0.307%
77	8.748	8.728	8.766	VV	4134	85581	0.94%	0.067%
78	8.918	8.899	8.934	VV	8989	165837	1.82%	0.129%
79	8.951	8.934	8.973	VV	11571	193109	2.12%	0.150%
80	9.039	8.973	9.068	VV	32510	710852	7.82%	0.553%
81	9.091	9.068	9.140	VV	10614	307577	3.38%	0.239%
82	9.185	9.140	9.231	VV	8122	333131	3.66%	0.259%
83	9.266	9.231	9.286	VV	7642	222679	2.45%	0.173%
84	9.327	9.286	9.380	VV	70915	1105050	12.15%	0.860%
85	9.411	9.380	9.434	VV	11072	260623	2.87%	0.203%
86	9.457	9.434	9.497	VV	8174	261961	2.88%	0.204%
87	9.531	9.497	9.581	VV	8414	369548	4.06%	0.288%
88	9.626	9.581	9.670	VV	9369	420621	4.62%	0.327%
89	9.707	9.670	9.760	VV	21805	699326	7.69%	0.544%

rteres								
90	9.787	9.760	9.812	VV	19399	434168	4.77%	0.338%
91	9.835	9.812	9.874	VV	19585	519594	5.71%	0.404%
92	9.887	9.874	9.914	VV	17475	303583	3.34%	0.236%
93	9.980	9.914	10.008	VV	21667	663447	7.29%	0.516%
94	10.024	10.008	10.037	VV	11647	197827	2.17%	0.154%
95	10.065	10.037	10.084	VV	17245	398022	4.38%	0.310%
96	10.110	10.084	10.152	VV	119608	1652524	18.17%	1.286%
97	10.186	10.152	10.258	VV	14852	835104	9.18%	0.650%
98	10.284	10.258	10.301	VV	12774	306211	3.37%	0.238%
99	10.340	10.301	10.364	VV	13699	478192	5.26%	0.372%
100	10.387	10.364	10.411	VV	14213	361126	3.97%	0.281%
101	10.500	10.411	10.530	VV	67486	1902052	20.91%	1.481%
102	10.550	10.530	10.568	VV	24388	450967	4.96%	0.351%
103	10.590	10.568	10.618	VV	28400	619569	6.81%	0.482%
104	10.645	10.618	10.674	VV	32968	694267	7.63%	0.540%
105	10.693	10.674	10.721	VV	15024	403995	4.44%	0.314%
106	10.782	10.721	10.804	VV	20898	863973	9.50%	0.673%
107	10.853	10.804	10.889	VV	174699	2716662	29.87%	2.115%
108	10.925	10.889	11.004	VV	121212	2795602	30.74%	2.176%
109	11.119	11.004	11.146	VV	22276	1732118	19.04%	1.348%
110	11.179	11.146	11.213	VV	33662	1110657	12.21%	0.865%
111	11.244	11.213	11.288	VV	41290	1411693	15.52%	1.099%
112	11.309	11.288	11.341	VV	37455	901007	9.91%	0.701%
113	11.362	11.341	11.398	VV	33713	901300	9.91%	0.702%
114	11.413	11.398	11.438	VV	23432	544469	5.99%	0.424%
115	11.504	11.438	11.528	VV	26189	1313348	14.44%	1.022%
116	11.559	11.528	11.614	VV	205878	3461993	38.06%	2.695%
117	11.650	11.614	11.688	VV	110371	2361069	25.96%	1.838%
118	11.713	11.688	11.737	VV	26671	736255	8.09%	0.573%
119	11.756	11.737	11.778	VV	26325	602382	6.62%	0.469%
120	11.876	11.778	11.934	VV	579246	9095544	100.00%	7.080%
121	11.955	11.934	11.976	VV	45275	939244	10.33%	0.731%
122	11.995	11.976	12.024	VV	41341	966131	10.62%	0.752%
123	12.045	12.024	12.094	VV	40832	1340341	14.74%	1.043%
124	12.115	12.094	12.145	VV	31020	884704	9.73%	0.689%
125	12.231	12.145	12.281	VV	207456	4902778	53.90%	3.817%
126	12.302	12.281	12.324	VV	32649	831948	9.15%	0.648%
127	12.338	12.324	12.403	VV	32780	1421514	15.63%	1.107%
128	12.432	12.403	12.478	VV	31108	1266707	13.93%	0.986%
129	12.507	12.478	12.554	VV	39568	1575823	17.33%	1.227%
130	12.571	12.554	12.586	VV	31659	592920	6.52%	0.462%
131	12.644	12.586	12.674	VV	45739	1841989	20.25%	1.434%
132	12.697	12.674	12.768	VV	37239	1692567	18.61%	1.318%
133	12.795	12.768	12.838	VV	34962	1267777	13.94%	0.987%
134	12.873	12.838	12.917	VV	179770	3249825	35.73%	2.530%
135	12.936	12.917	13.001	VV	33115	1477925	16.25%	1.150%
136	13.019	13.001	13.071	VV	29852	1109556	12.20%	0.864%
137	13.130	13.071	13.181	VV	33667	1860455	20.45%	1.448%
138	13.196	13.181	13.214	VV	28237	520663	5.72%	0.405%
139	13.235	13.214	13.250	VV	31063	591011	6.50%	0.460%
140	13.320	13.250	13.351	VV	421405	6381602	70.16%	4.968%
141	13.370	13.351	13.451	VV	35457	1646181	18.10%	1.281%

rteres								
142	13.487	13.451	13.632	VV	136568	3887216	42.74%	3.026%
143	13.650	13.632	13.678	VV	21696	549469	6.04%	0.428%
144	13.716	13.678	13.815	VV	29931	1877051	20.64%	1.461%
145	13.867	13.815	13.889	VV	23513	940845	10.34%	0.732%
146	13.913	13.889	13.949	VV	24625	754560	8.30%	0.587%
147	13.980	13.949	14.041	VV	20529	989726	10.88%	0.770%
148	14.073	14.041	14.109	VV	87279	1573900	17.30%	1.225%
149	14.129	14.109	14.253	VV	17682	1324582	14.56%	1.031%
150	14.302	14.253	14.391	VV	20464	1274282	14.01%	0.992%
151	14.487	14.391	14.608	VV	15796	1654852	18.19%	1.288%
152	14.637	14.608	14.684	VV	50578	964011	10.60%	0.750%
153	14.704	14.684	14.741	VV	10706	335909	3.69%	0.261%
154	14.760	14.741	14.818	VV	10686	404954	4.45%	0.315%
155	14.844	14.818	14.874	VV	9615	293214	3.22%	0.228%
156	14.887	14.874	14.974	VV	9230	454776	5.00%	0.354%
157	14.989	14.974	15.007	VV	7709	136706	1.50%	0.106%
158	15.031	15.007	15.128	VV	7991	453137	4.98%	0.353%
159	15.179	15.128	15.300	VV	26094	774940	8.52%	0.603%
160	15.317	15.300	15.347	VV	4264	105424	1.16%	0.082%
161	15.374	15.347	15.404	VV	4599	132946	1.46%	0.103%
162	15.425	15.404	15.474	VV	3931	140221	1.54%	0.109%
163	15.561	15.474	15.671	VV	27780	786899	8.65%	0.613%
164	15.703	15.671	15.854	VV	14030	465482	5.12%	0.362%
165	15.883	15.854	15.940	VV	2284	95843	1.05%	0.075%
166	15.957	15.940	15.984	VV	1842	42575	0.47%	0.033%
167	16.016	15.984	16.054	VV	2493	84074	0.92%	0.065%
168	16.082	16.054	16.142	VV	2181	88142	0.97%	0.069%
169	16.202	16.142	16.346	VV	6946	213910	2.35%	0.167%
170	16.384	16.346	16.468	VV	1532	74887	0.82%	0.058%
171	16.503	16.468	16.551	VV	1278	53000	0.58%	0.041%
172	16.580	16.551	16.618	VV	2424	58130	0.64%	0.045%
173	16.637	16.618	16.661	VV	812	20667	0.23%	0.016%
174	16.686	16.661	16.744	VV	4132	65754	0.72%	0.051%
175	16.766	16.744	16.801	VV	1473	21299	0.23%	0.017%
176	16.849	16.801	16.891	PV	442	10524	0.12%	0.008%
177	16.912	16.891	16.934	PV	230	3642	0.04%	0.003%
178	16.959	16.934	16.973	PV	165	2615	0.03%	0.002%
179	17.017	16.973	17.051	VV	466	12828	0.14%	0.010%
180	17.077	17.051	17.101	VV	215	4799	0.05%	0.004%
181	17.154	17.101	17.219	PV	2995	84327	0.93%	0.066%
182	17.235	17.219	17.251	VV	595	10687	0.12%	0.008%
183	17.392	17.251	17.428	VV	1396	81898	0.90%	0.064%
184	17.480	17.428	17.501	VV	854	30597	0.34%	0.024%
185	17.531	17.501	17.578	VV	1367	45614	0.50%	0.036%
186	17.604	17.578	17.671	VV	4095	79389	0.87%	0.062%
187	17.721	17.671	17.745	VV	650	16983	0.19%	0.013%
188	17.766	17.745	17.791	VV	310	6140	0.07%	0.005%
189	18.002	17.791	18.018	PV	1891	44258	0.49%	0.034%
190	18.041	18.018	18.071	VV	3282	52428	0.58%	0.041%
191	18.182	18.071	18.243	VV	2111	83502	0.92%	0.065%
192	18.270	18.243	18.298	VV	549	14332	0.16%	0.011%
193	18.406	18.298	18.441	VV	8275	218740	2.40%	0.170%
194	18.465	18.441	18.514	VV	5628	126510	1.39%	0.098%

					rteres			
195	18.550	18.514	18.572	VV	1754	40979	0.45%	0.032%
196	18.588	18.572	18.641	VV	794	19193	0.21%	0.015%
197	18.872	18.641	18.911	PV	3746	65064	0.72%	0.051%
198	18.976	18.911	18.994	VV	1779	39216	0.43%	0.031%
199	19.235	18.994	19.257	VV	6678	328658	3.61%	0.256%
200	19.277	19.257	19.321	VV	5979	173917	1.91%	0.135%
201	19.572	19.321	19.610	VV	6411	807844	8.88%	0.629%
202	19.662	19.610	19.704	VV	7540	348143	3.83%	0.271%
203	19.948	19.704	19.981	VV	8248	1154268	12.69%	0.899%
204	20.022	19.981	20.061	VV	10213	436340	4.80%	0.340%
205	20.829	20.061	21.008	VV	22111	8212295	90.29%	6.393%
206	21.142	21.008	21.254	VV	18446	2448353	26.92%	1.906%
207	21.370	21.254	21.421	VV	15579	1520007	16.71%	1.183%
208	21.451	21.421	21.468	VV	14291	397709	4.37%	0.310%
209	21.512	21.468	21.644	VV	13932	1303946	14.34%	1.015%
210	21.750	21.644	21.787	VV	12139	969367	10.66%	0.755%
211	21.826	21.787	21.864	VV	11273	512381	5.63%	0.399%
212	21.914	21.864	21.938	VV	10676	464562	5.11%	0.362%
213	21.960	21.938	22.081	VV	10283	668938	7.35%	0.521%
214	22.243	22.081	22.281	VV	6593	675715	7.43%	0.526%
215	22.339	22.281	22.368	VV	5918	307806	3.38%	0.240%
216	22.394	22.368	22.521	VV	5567	302085	3.32%	0.235%
Sum of corrected areas:					128459576			

Aliphatic EPH 041725.M Wed Apr 23 03:41:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
Data File : FE053486.D
Signal(s) : FID1B.ch
Acq On : 23 Apr 2025 01:48
Operator : YP\AJ
Sample : Q1851-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
DP7

Integration File: autoint1.e
Quant Time: Apr 23 02:56:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 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)	11.876	6719849	37.258 ug/ml
Spiked Amount	50.000	Recovery	= 74.52%
12) S 1-chlorooctadecane (S...	13.321	5006127	37.034 ug/ml
Spiked Amount	50.000	Recovery	= 74.07%

Target Compounds

(f)=RT Delta > 1/2 Window

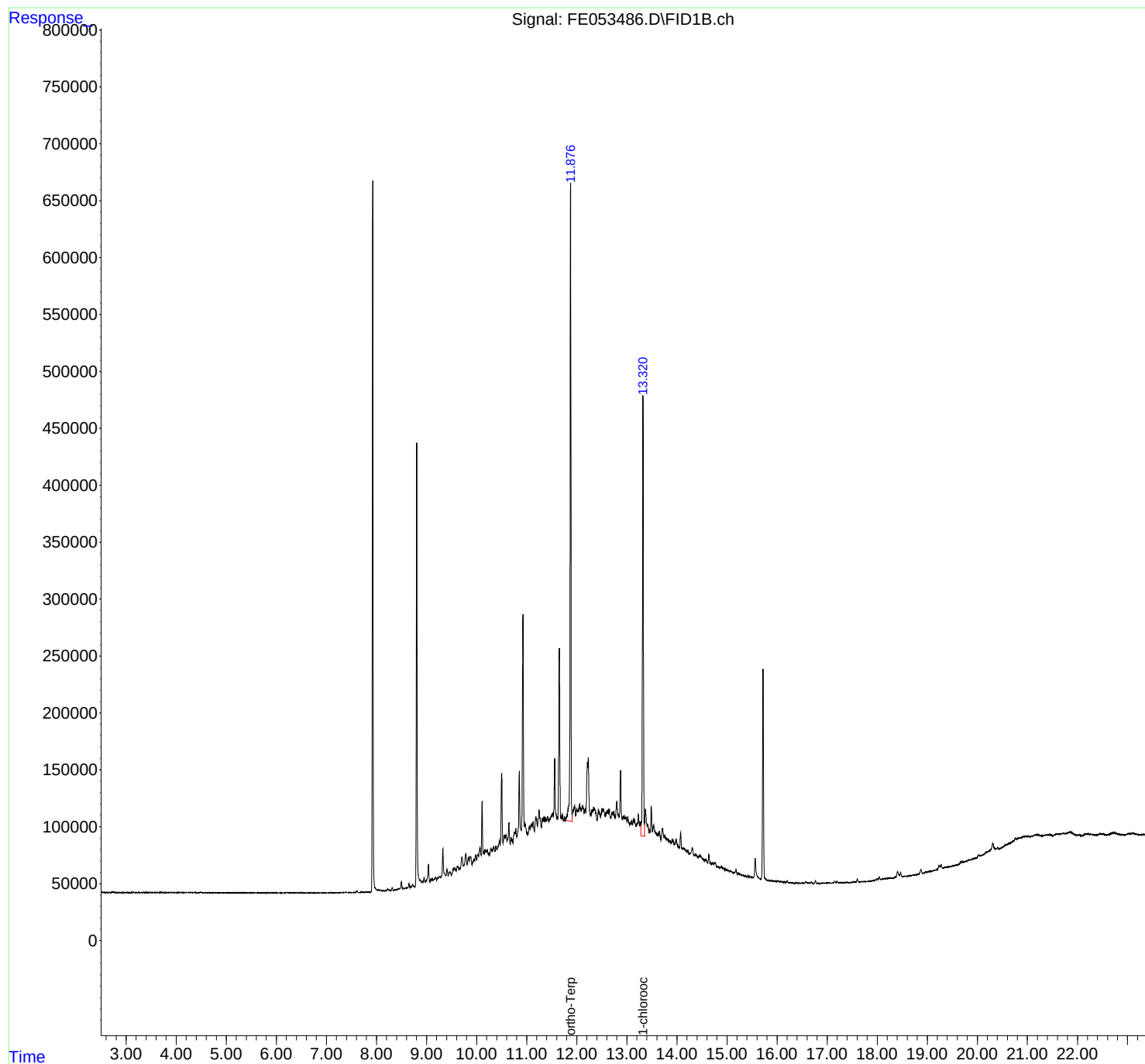
(m)=manual int.

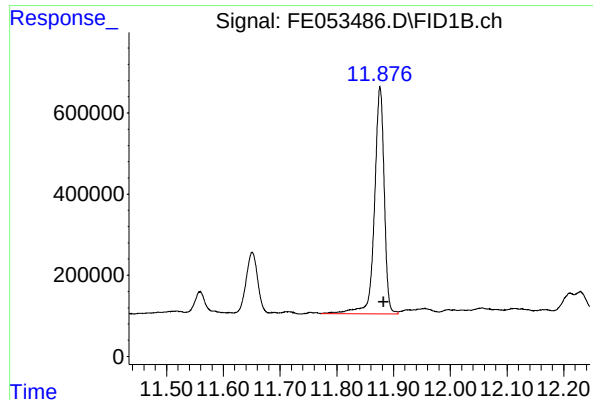
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
Data File : FE053486.D
Signal(s) : FID1B.ch
Acq On : 23 Apr 2025 01:48
Operator : YP\AJ
Sample : Q1851-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
DP7

Integration File: autoint1.e
Quant Time: Apr 23 02:56:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

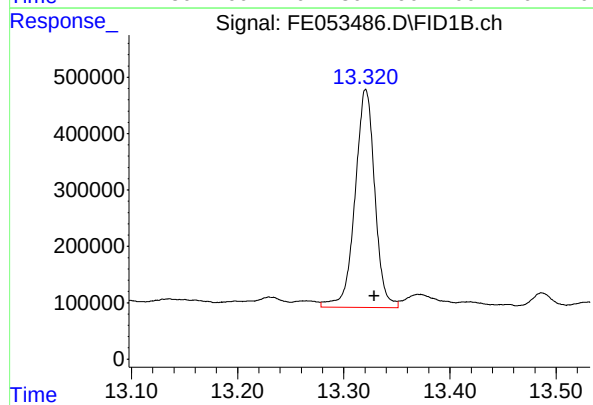




#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min
Delta R.T.: -0.007 min
Response: 6719849
Conc: 37.26 ug/ml

Instrument :
FID_E
ClientSampleId :
DP7



#12 1-chlorooctadecane (SURR)

R.T.: 13.321 min
Delta R.T.: -0.008 min
Response: 5006127
Conc: 37.03 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053486.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 01:48
 Sample : Q1851-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.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	2.838	2.805	2.898	BV	96	2211	0.02%	0.001%
2	2.909	2.898	2.920	PV	65	806	0.01%	0.000%
3	2.937	2.920	2.991	VV	129	2055	0.02%	0.001%
4	3.028	2.991	3.041	VV	76	1351	0.01%	0.001%
5	3.111	3.041	3.191	VV	197	7943	0.07%	0.004%
6	3.216	3.191	3.291	VV	179	4318	0.04%	0.002%
7	3.298	3.291	3.311	VV	71	329	0.00%	0.000%
8	3.323	3.311	3.371	PV	75	2141	0.02%	0.001%
9	3.375	3.371	3.384	VV	129	641	0.01%	0.000%
10	3.410	3.384	3.444	VV	203	4302	0.04%	0.002%
11	3.455	3.444	3.519	VV	177	4651	0.04%	0.002%
12	3.623	3.519	3.634	VV	186	8123	0.07%	0.004%
13	3.642	3.634	3.650	VV	111	840	0.01%	0.000%
14	3.672	3.650	3.686	VV	259	3968	0.03%	0.002%
15	3.706	3.686	3.723	VV	402	5449	0.05%	0.003%
16	3.734	3.723	3.783	VV	138	3594	0.03%	0.002%
17	3.814	3.783	3.874	VV	264	7699	0.07%	0.004%
18	3.909	3.874	3.925	VV	219	4180	0.04%	0.002%
19	3.949	3.925	4.001	VV	169	5228	0.05%	0.003%
20	4.051	4.001	4.072	VV	311	9291	0.08%	0.005%
21	4.084	4.072	4.108	VV	232	3372	0.03%	0.002%
22	4.121	4.108	4.181	VV	223	6887	0.06%	0.003%
23	4.204	4.181	4.230	VV	211	4537	0.04%	0.002%
24	4.251	4.230	4.288	VV	200	5219	0.05%	0.003%
25	4.297	4.288	4.306	VV	156	1468	0.01%	0.001%
26	4.319	4.306	4.335	VV	208	2426	0.02%	0.001%
27	4.344	4.335	4.352	VV	152	1275	0.01%	0.001%
28	4.374	4.352	4.399	VV	194	3913	0.03%	0.002%
29	4.480	4.399	4.531	VV	434	11673	0.10%	0.006%
30	4.564	4.531	4.591	VV	182	4585	0.04%	0.002%
31	4.604	4.591	4.636	VV	185	2831	0.02%	0.001%
32	4.654	4.636	4.695	VV	351	5388	0.05%	0.003%
33	4.704	4.695	4.758	VV	128	3887	0.03%	0.002%
34	4.770	4.758	4.821	VV	186	4613	0.04%	0.002%
35	4.827	4.821	4.878	VV	214	3985	0.03%	0.002%
36	4.905	4.878	4.933	VV	228	4789	0.04%	0.002%

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37	4.944	4.933	4.954	VV	128	1418	0.01%	0.001%
38	4.964	4.954	4.995	VV	175	2637	0.02%	0.001%
39	5.000	4.995	5.013	VV	117	880	0.01%	0.000%
40	5.027	5.013	5.048	VV	134	1679	0.01%	0.001%
41	5.056	5.048	5.106	VV	135	3576	0.03%	0.002%
42	5.116	5.106	5.121	PV	127	938	0.01%	0.000%
43	5.148	5.121	5.178	VV	205	4833	0.04%	0.002%
44	5.189	5.178	5.211	VV	130	1693	0.01%	0.001%
45	5.237	5.211	5.281	VV	116	2272	0.02%	0.001%
46	5.320	5.281	5.336	VV	137	2153	0.02%	0.001%
47	5.345	5.336	5.354	VV	84	507	0.00%	0.000%
48	5.368	5.354	5.379	VV	69	777	0.01%	0.000%
49	5.402	5.379	5.412	VV	97	1041	0.01%	0.001%
50	5.437	5.412	5.486	VV	335	7004	0.06%	0.004%
51	5.494	5.486	5.503	VV	133	876	0.01%	0.000%
52	5.509	5.503	5.547	VV	107	1298	0.01%	0.001%
53	5.562	5.547	5.602	PV	59	1113	0.01%	0.001%
54	5.628	5.602	5.693	VV	203	4974	0.04%	0.003%
55	5.704	5.693	5.715	VV	85	1051	0.01%	0.001%
56	5.727	5.715	5.847	VV	134	6443	0.06%	0.003%
57	5.863	5.847	5.880	VV	82	1265	0.01%	0.001%
58	5.895	5.880	5.911	VV	89	1392	0.01%	0.001%
59	5.916	5.911	5.931	VV	88	1220	0.01%	0.001%
60	5.952	5.931	6.076	VV	124	6009	0.05%	0.003%
61	6.083	6.076	6.132	VV	91	2209	0.02%	0.001%
62	6.143	6.132	6.175	VV	49	852	0.01%	0.000%
63	6.203	6.175	6.282	PV	475	13178	0.11%	0.007%
64	6.291	6.282	6.335	VV	142	3166	0.03%	0.002%
65	6.342	6.335	6.352	VV	125	1104	0.01%	0.001%
66	6.375	6.352	6.415	VV	393	6620	0.06%	0.003%
67	6.438	6.415	6.484	VV	148	4348	0.04%	0.002%
68	6.506	6.484	6.620	VV	296	10894	0.09%	0.005%
69	6.662	6.620	6.695	VV	289	4911	0.04%	0.002%
70	6.779	6.695	6.797	VV	145	4779	0.04%	0.002%
71	6.810	6.797	6.851	VV	185	2881	0.02%	0.001%
72	6.874	6.851	6.888	PV	125	1677	0.01%	0.001%
73	6.892	6.888	6.928	VV	133	1241	0.01%	0.001%
74	6.942	6.928	6.991	VV	172	2788	0.02%	0.001%
75	7.006	6.991	7.028	VV	145	1230	0.01%	0.001%
76	7.070	7.028	7.097	PV	355	5948	0.05%	0.003%
77	7.109	7.097	7.118	VV	99	685	0.01%	0.000%
78	7.194	7.118	7.225	VV	220	6995	0.06%	0.004%
79	7.236	7.225	7.261	VV	182	2207	0.02%	0.001%
80	7.288	7.261	7.326	PV	235	5211	0.05%	0.003%
81	7.341	7.326	7.365	VV	314	3613	0.03%	0.002%
82	7.383	7.365	7.413	VV	505	6185	0.05%	0.003%
83	7.446	7.413	7.467	VV	149	2796	0.02%	0.001%
84	7.484	7.467	7.502	VV	259	2542	0.02%	0.001%
85	7.511	7.502	7.526	VV	106	665	0.01%	0.000%
86	7.612	7.526	7.651	PV	1593	24413	0.21%	0.012%
87	7.694	7.651	7.711	VV	149	3301	0.03%	0.002%
88	7.742	7.711	7.761	VV	282	4131	0.04%	0.002%
89	7.786	7.761	7.820	VV	473	8828	0.08%	0.004%

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90	7.842	7.820	7.855	VV	140	1861	0.02%	0.001%
91	8.042	8.017	8.118	VV	2298	101555	0.88%	0.051%
92	8.140	8.118	8.159	VV	1338	28723	0.25%	0.014%
93	8.187	8.159	8.202	VV	1681	32333	0.28%	0.016%
94	8.223	8.202	8.265	VV	2796	68727	0.60%	0.035%
95	8.315	8.265	8.344	VV	3831	92559	0.80%	0.047%
96	8.367	8.344	8.386	VV	1999	41884	0.36%	0.021%
97	8.464	8.386	8.474	VV	2931	123780	1.07%	0.062%
98	8.497	8.474	8.558	VV	8718	203033	1.76%	0.102%
99	8.588	8.558	8.604	VV	3304	84803	0.74%	0.043%
100	8.616	8.604	8.625	VV	3454	42645	0.37%	0.021%
101	8.651	8.625	8.669	VV	7280	133535	1.16%	0.067%
102	8.681	8.669	8.698	VV	4589	72300	0.63%	0.036%
103	8.721	8.698	8.765	VV	6450	189725	1.64%	0.095%
104	8.920	8.903	8.932	VV	8715	142106	1.23%	0.071%
105	8.951	8.932	8.972	VV	12247	231557	2.01%	0.116%
106	8.992	8.972	9.001	VV	9685	150247	1.30%	0.076%
107	9.039	9.001	9.066	VV	23460	537969	4.66%	0.270%
108	9.089	9.066	9.101	VV	10603	200430	1.74%	0.101%
109	9.115	9.101	9.132	VV	11505	189973	1.65%	0.095%
110	9.183	9.132	9.202	VV	12062	449759	3.90%	0.226%
111	9.222	9.202	9.230	VV	11335	184432	1.60%	0.093%
112	9.268	9.230	9.285	VV	12758	393307	3.41%	0.198%
113	9.327	9.285	9.383	VV	36495	1081607	9.38%	0.544%
114	9.410	9.383	9.435	VV	18674	482857	4.19%	0.243%
115	9.455	9.435	9.464	VV	16482	262636	2.28%	0.132%
116	9.474	9.464	9.495	VV	16518	289117	2.51%	0.145%
117	9.530	9.495	9.542	VV	19498	482302	4.18%	0.242%
118	9.558	9.542	9.581	VV	19730	438095	3.80%	0.220%
119	9.616	9.581	9.645	VV	21455	756989	6.56%	0.380%
120	9.659	9.645	9.672	VV	20256	309307	2.68%	0.155%
121	9.706	9.672	9.738	VV	29439	962360	8.34%	0.484%
122	9.784	9.738	9.809	VV	32146	1110570	9.63%	0.558%
123	9.835	9.809	9.851	VV	29052	661779	5.74%	0.333%
124	9.867	9.851	9.909	VV	29935	948079	8.22%	0.477%
125	9.979	9.909	10.002	VV	31071	1488101	12.90%	0.748%
126	10.025	10.002	10.040	VV	31492	672808	5.83%	0.338%
127	10.065	10.040	10.088	VV	36861	979065	8.49%	0.492%
128	10.110	10.088	10.135	VV	78012	1383215	11.99%	0.695%
129	10.144	10.135	10.152	VV	33042	344661	2.99%	0.173%
130	10.168	10.152	10.182	VV	35686	615811	5.34%	0.310%
131	10.214	10.182	10.255	VV	35334	1432287	12.42%	0.720%
132	10.285	10.255	10.308	VV	36255	1085174	9.41%	0.545%
133	10.344	10.308	10.366	VV	37994	1254744	10.88%	0.631%
134	10.386	10.366	10.405	VV	38783	845057	7.33%	0.425%
135	10.457	10.405	10.471	VV	43315	1557301	13.50%	0.783%
136	10.500	10.471	10.528	VV	101965	2221117	19.25%	1.116%
137	10.552	10.528	10.566	VV	48178	1034251	8.97%	0.520%
138	10.586	10.566	10.608	VV	48069	1147036	9.94%	0.576%
139	10.646	10.608	10.675	VV	58853	1885783	16.35%	0.948%
140	10.691	10.675	10.725	VV	45400	1291397	11.19%	0.649%
141	10.754	10.725	10.768	VV	49967	1245429	10.80%	0.626%

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142	10.783	10.768	10.801	VV	52782	986427	8.55%	0.496%
143	10.853	10.801	10.890	VV	104379	3318674	28.77%	1.668%
144	10.926	10.890	10.955	VV	239872	4578313	39.69%	2.301%
145	10.966	10.955	11.017	VV	57910	1973099	17.10%	0.992%
146	11.055	11.017	11.067	VV	55149	1565103	13.57%	0.787%
147	11.091	11.067	11.106	VV	56569	1310582	11.36%	0.659%
148	11.130	11.106	11.154	VV	59151	1601647	13.88%	0.805%
149	11.182	11.154	11.214	VV	63083	2119672	18.37%	1.065%
150	11.247	11.214	11.292	VV	69134	2891216	25.06%	1.453%
151	11.333	11.292	11.348	VV	62444	1989060	17.24%	1.000%
152	11.360	11.348	11.378	VV	63147	1100222	9.54%	0.553%
153	11.387	11.378	11.399	VV	61162	761125	6.60%	0.383%
154	11.416	11.399	11.445	VV	63717	1682297	14.58%	0.846%
155	11.517	11.445	11.533	VV	66519	3330275	28.87%	1.674%
156	11.559	11.533	11.617	VV	114085	3789591	32.85%	1.905%
157	11.651	11.617	11.697	VV	211168	5048799	43.77%	2.538%
158	11.714	11.697	11.737	VV	64421	1472939	12.77%	0.740%
159	11.755	11.737	11.772	VV	62821	1297029	11.24%	0.652%
160	11.876	11.772	11.908	VV	613296	11535845	100.00%	5.798%
161	11.954	11.908	11.980	VV	72129	2955254	25.62%	1.485%
162	11.997	11.980	12.028	VV	69468	1953876	16.94%	0.982%
163	12.055	12.028	12.093	VV	73422	2732751	23.69%	1.373%
164	12.114	12.093	12.148	VV	72181	2298077	19.92%	1.155%
165	12.167	12.148	12.180	VV	69375	1313726	11.39%	0.660%
166	12.228	12.180	12.282	VV	113163	5194070	45.03%	2.611%
167	12.305	12.282	12.320	VV	68234	1529001	13.25%	0.768%
168	12.339	12.320	12.408	VV	70608	3509538	30.42%	1.764%
169	12.432	12.408	12.471	VV	68011	2458051	21.31%	1.235%
170	12.506	12.471	12.518	VV	69120	1875610	16.26%	0.943%
171	12.533	12.518	12.561	VV	69133	1733763	15.03%	0.871%
172	12.614	12.561	12.630	VV	68186	2702235	23.42%	1.358%
173	12.645	12.630	12.679	VV	68943	1919461	16.64%	0.965%
174	12.703	12.679	12.717	VV	65817	1447182	12.55%	0.727%
175	12.733	12.717	12.771	VV	65942	2085349	18.08%	1.048%
176	12.795	12.771	12.844	VV	74252	2903560	25.17%	1.459%
177	12.874	12.844	12.914	VV	102846	3118026	27.03%	1.567%
178	12.937	12.914	12.972	VV	62882	2110850	18.30%	1.061%
179	12.983	12.972	13.002	VV	61393	1085195	9.41%	0.545%
180	13.018	13.002	13.067	VV	61829	2271821	19.69%	1.142%
181	13.093	13.067	13.115	VV	57284	1600267	13.87%	0.804%
182	13.135	13.115	13.181	VV	59928	2289913	19.85%	1.151%
183	13.231	13.181	13.251	VV	62704	2374993	20.59%	1.194%
184	13.264	13.251	13.279	VV	56274	931767	8.08%	0.468%
185	13.321	13.279	13.351	VV	431743	6946728	60.22%	3.491%
186	13.371	13.351	13.406	VV	67713	1984633	17.20%	0.997%
187	13.417	13.406	13.444	VV	54465	1202137	10.42%	0.604%
188	13.453	13.444	13.464	VV	49736	577273	5.00%	0.290%
189	13.487	13.464	13.511	VV	70113	1609293	13.95%	0.809%
190	13.533	13.511	13.611	VV	54361	2955540	25.62%	1.485%
191	13.648	13.611	13.681	VV	48374	1905370	16.52%	0.958%
192	13.712	13.681	13.741	VV	51108	1677117	14.54%	0.843%
193	13.755	13.741	13.785	VV	44594	1120047	9.71%	0.563%
194	13.797	13.785	13.828	VV	42344	1069438	9.27%	0.537%

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195	13.841	13.828	13.854	VV	40496	643356	5.58%	0.323%
196	13.867	13.854	13.890	VV	40615	825306	7.15%	0.415%
197	13.922	13.890	13.953	VV	40823	1482915	12.85%	0.745%
198	13.984	13.953	14.047	VV	41544	2084283	18.07%	1.048%
199	14.073	14.047	14.111	VV	46955	1458387	12.64%	0.733%
200	14.125	14.111	14.207	VV	33600	1831334	15.88%	0.920%
201	14.222	14.207	14.248	VV	31009	741263	6.43%	0.373%
202	14.254	14.248	14.267	VV	28580	319584	2.77%	0.161%
203	14.306	14.267	14.354	VV	33217	1556705	13.49%	0.782%
204	14.374	14.354	14.424	VV	27818	1106777	9.59%	0.556%
205	14.460	14.424	14.558	VV	26864	1980612	17.17%	0.995%
206	14.580	14.558	14.614	VV	23084	733800	6.36%	0.369%
207	14.636	14.614	14.695	VV	27158	1034664	8.97%	0.520%
208	14.711	14.695	14.740	VV	19740	526119	4.56%	0.264%
209	14.765	14.740	14.802	VV	20099	689032	5.97%	0.346%
210	14.811	14.802	14.849	VV	16673	465328	4.03%	0.234%
211	14.864	14.849	14.875	VV	15916	243709	2.11%	0.122%
212	14.888	14.875	14.945	VV	16482	647103	5.61%	0.325%
213	14.958	14.945	14.981	VV	14300	294343	2.55%	0.148%
214	14.991	14.981	15.015	VV	13623	270543	2.35%	0.136%
215	15.024	15.015	15.051	VV	13386	282966	2.45%	0.142%
216	15.066	15.051	15.148	VV	12354	674992	5.85%	0.339%
217	15.179	15.148	15.208	VV	13550	414284	3.59%	0.208%
218	15.223	15.208	15.301	VV	10253	527289	4.57%	0.265%
219	15.316	15.301	15.351	VV	8620	248607	2.16%	0.125%
220	15.372	15.351	15.396	VV	8185	206006	1.79%	0.104%
221	15.421	15.396	15.491	VV	7703	406794	3.53%	0.204%
222	15.505	15.491	15.525	VV	6720	130693	1.13%	0.066%
223	15.561	15.525	15.675	VV	23188	837345	7.26%	0.421%
224	15.718	15.675	15.946	VV	189169	3057300	26.50%	1.537%
225	15.959	15.946	15.978	VV	2922	52294	0.45%	0.026%
226	16.012	15.978	16.056	VV	2875	118570	1.03%	0.060%
227	16.084	16.056	16.175	VV	2509	135959	1.18%	0.068%
228	16.201	16.175	16.324	VV	2662	123527	1.07%	0.062%
229	16.334	16.324	16.355	VV	856	13233	0.11%	0.007%
230	16.385	16.355	16.455	VV	992	44845	0.39%	0.023%
231	16.500	16.455	16.548	VV	755	31906	0.28%	0.016%
232	16.579	16.548	16.620	VV	1558	42231	0.37%	0.021%
233	16.641	16.620	16.661	VV	656	13118	0.11%	0.007%
234	16.685	16.661	16.721	VV	1635	25723	0.22%	0.013%
235	16.732	16.721	16.741	VV	183	1461	0.01%	0.001%
236	16.766	16.741	16.811	VV	2486	35811	0.31%	0.018%
237	16.843	16.811	16.864	PV	241	3601	0.03%	0.002%
238	16.905	16.864	16.921	VV	186	4391	0.04%	0.002%
239	16.980	16.921	16.991	VV	230	6734	0.06%	0.003%
240	17.011	16.991	17.068	VV	450	12141	0.11%	0.006%
241	17.078	17.068	17.100	VV	197	2700	0.02%	0.001%
242	17.153	17.100	17.178	VV	1804	33701	0.29%	0.017%
243	17.198	17.178	17.254	VV	1297	24864	0.22%	0.012%
244	17.278	17.254	17.305	PV	228	3785	0.03%	0.002%
245	17.326	17.305	17.336	VV	157	1776	0.02%	0.001%
246	17.390	17.336	17.424	VV	365	8210	0.07%	0.004%

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247	17.488	17.424	17.501	PV	221	4844	0.04%	0.002%
248	17.527	17.501	17.571	VV	730	16651	0.14%	0.008%
249	17.603	17.571	17.644	VV	3009	46310	0.40%	0.023%
250	17.700	17.644	17.722	PV	240	6281	0.05%	0.003%
251	18.000	17.722	18.017	PV	1369	11485	0.10%	0.006%
252	18.041	18.017	18.068	VV	2666	41479	0.36%	0.021%
253	18.134	18.068	18.155	VV	780	21556	0.19%	0.011%
254	18.183	18.155	18.201	VV	553	11265	0.10%	0.006%
255	18.266	18.201	18.298	VV	523	17715	0.15%	0.009%
256	18.360	18.298	18.374	PV	969	12677	0.11%	0.006%
257	18.405	18.374	18.442	VV	5431	122884	1.07%	0.062%
258	18.466	18.442	18.508	VV	3961	78347	0.68%	0.039%
259	18.556	18.508	18.589	VV	457	16501	0.14%	0.008%
260	18.609	18.589	18.628	VV	153	2132	0.02%	0.001%
261	18.871	18.628	18.915	PV	3701	73469	0.64%	0.037%
262	18.979	18.915	18.996	PV	566	14313	0.12%	0.007%
263	19.032	18.996	19.040	VV	439	8916	0.08%	0.004%
264	19.188	19.040	19.205	VV	761	28991	0.25%	0.015%
265	19.234	19.205	19.254	VV	3464	68112	0.59%	0.034%
266	19.275	19.254	19.319	VV	3506	79940	0.69%	0.040%
267	19.353	19.319	19.383	VV	967	30083	0.26%	0.015%
268	19.519	19.383	19.538	VV	789	61479	0.53%	0.031%
269	19.573	19.538	19.588	VV	901	20099	0.17%	0.010%
270	19.662	19.588	19.677	VV	2734	66472	0.58%	0.033%
271	19.697	19.677	19.715	VV	2800	50860	0.44%	0.026%
272	20.024	19.715	20.061	VV	5154	609783	5.29%	0.306%
273	20.242	20.061	20.250	VV	7313	626966	5.43%	0.315%
274	20.306	20.250	20.377	VV	12699	683936	5.93%	0.344%
275	20.403	20.377	20.432	VV	7913	248225	2.15%	0.125%
276	20.762	20.432	20.788	VV	12403	1982135	17.18%	0.996%
277	20.935	20.788	20.986	VV	12742	1462807	12.68%	0.735%
278	21.004	20.986	21.028	VV	12096	298150	2.58%	0.150%
279	21.038	21.028	21.060	VV	11584	220313	1.91%	0.111%
280	21.185	21.060	21.298	VV	11782	1605017	13.91%	0.807%
281	21.442	21.298	21.501	VV	9410	1141833	9.90%	0.574%
282	21.597	21.501	21.628	VV	8286	626029	5.43%	0.315%
283	21.715	21.628	21.760	VV	7794	618713	5.36%	0.311%
284	21.842	21.760	22.009	VV	7688	905845	7.85%	0.455%
285	22.033	22.009	22.088	VV	3320	136092	1.18%	0.068%
286	22.187	22.088	22.271	VV	2927	268539	2.33%	0.135%
287	22.290	22.271	22.364	VV	1448	50979	0.44%	0.026%

Sum of corrected areas: 198966658

Aliphatic EPH 041725.M Wed Apr 23 03:41:48 2025

6

A

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J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053487.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 02:18
 Operator : YP\AJ
 Sample : Q1851-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 DP8

Integration File: autoint1.e
 Quant Time: Apr 23 02:57:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 16 18:29:18 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)	11.874	5770856	31.996 ug/ml
Spiked Amount	50.000	Recovery	= 63.99%
12) S 1-chlorooctadecane (S...	13.319	4399888	32.549 ug/ml
Spiked Amount	50.000	Recovery	= 65.10%

Target Compounds

(f)=RT Delta > 1/2 Window

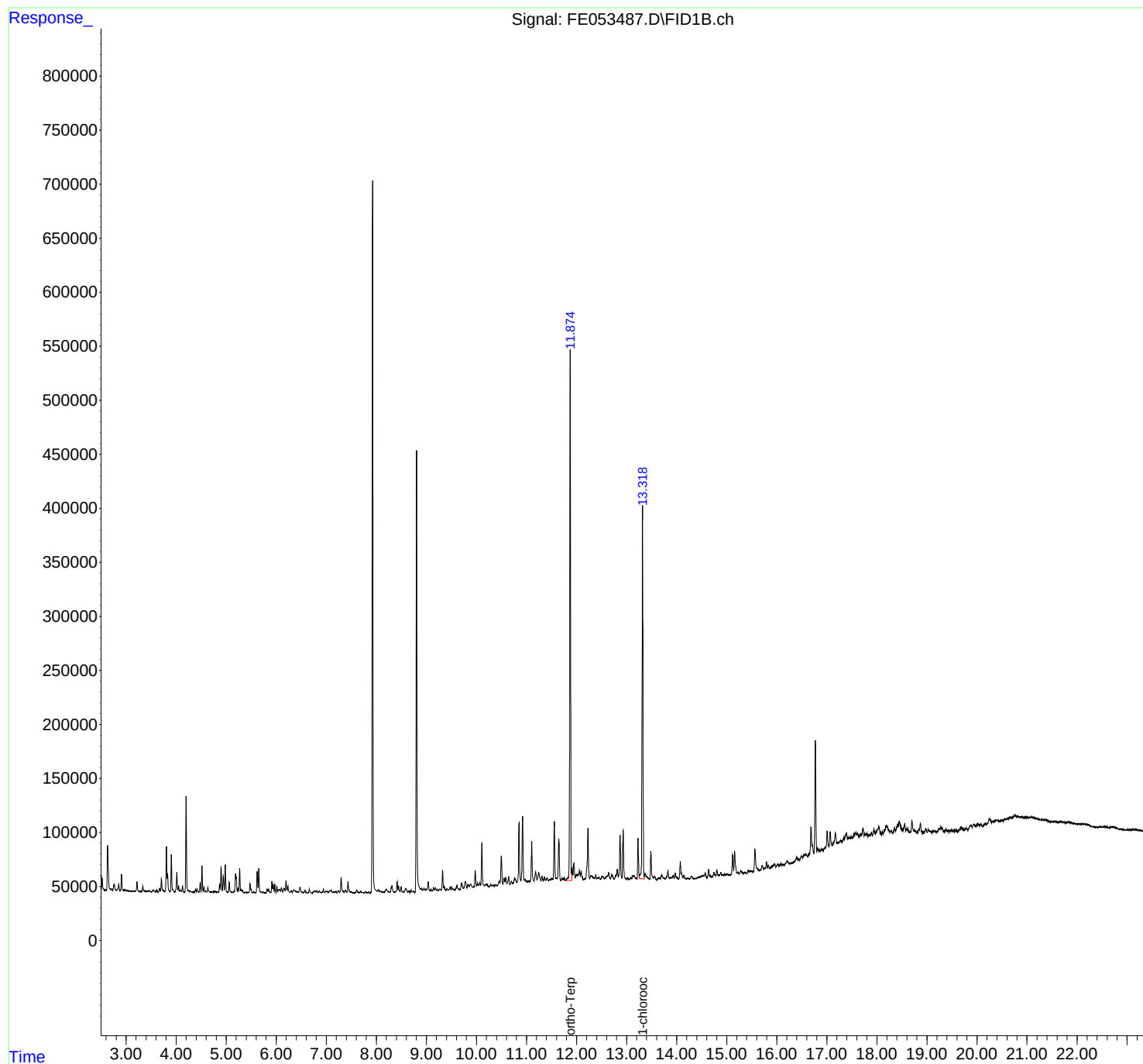
(m)=manual int.

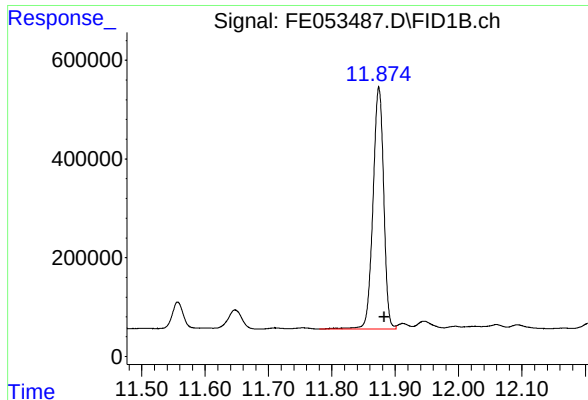
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
Data File : FE053487.D
Signal(s) : FID1B.ch
Acq On : 23 Apr 2025 02:18
Operator : YP\AJ
Sample : Q1851-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
DP8

Integration File: autoint1.e
Quant Time: Apr 23 02:57:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

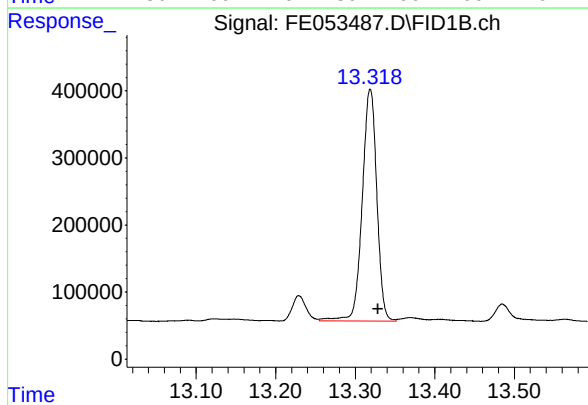




#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min
Delta R.T.: -0.009 min
Response: 5770856
Conc: 32.00 ug/ml

Instrument :
FID_E
ClientSampleId :
DP8



#12 1-chlorooctadecane (SURR)

R.T.: 13.319 min
Delta R.T.: -0.010 min
Response: 4399888
Conc: 32.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053487.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 02:18
 Sample : Q1851-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.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	2.851	2.805	2.881	BV	5680	70192	1.16%	0.067%
2	2.908	2.881	2.940	VV	15089	151903	2.51%	0.144%
3	2.954	2.940	2.970	VV	495	6338	0.10%	0.006%
4	2.994	2.970	3.058	VV	742	16397	0.27%	0.016%
5	3.077	3.058	3.122	PV	97	2664	0.04%	0.003%
6	3.137	3.122	3.168	PV	239	3097	0.05%	0.003%
7	3.217	3.168	3.308	VV	9024	110373	1.82%	0.105%
8	3.334	3.308	3.375	PV	5066	60941	1.01%	0.058%
9	3.389	3.375	3.411	VV	636	8984	0.15%	0.009%
10	3.431	3.411	3.443	VV	658	9286	0.15%	0.009%
11	3.460	3.443	3.515	VV	1249	19037	0.31%	0.018%
12	3.532	3.515	3.541	PV	1324	12905	0.21%	0.012%
13	3.554	3.541	3.578	VV	1679	20081	0.33%	0.019%
14	3.612	3.578	3.641	VV	1270	19430	0.32%	0.018%
15	3.667	3.641	3.685	VV	3104	35810	0.59%	0.034%
16	3.706	3.685	3.739	VV	12102	145311	2.40%	0.138%
17	3.747	3.739	3.766	VV	1434	18418	0.30%	0.017%
18	3.805	3.766	3.881	VV	41668	634639	10.47%	0.603%
19	3.904	3.881	3.971	VV	34313	391495	6.46%	0.372%
20	4.013	3.971	4.034	VV	18155	218556	3.61%	0.208%
21	4.050	4.034	4.071	VV	5342	66429	1.10%	0.063%
22	4.085	4.071	4.105	VV	1845	23677	0.39%	0.022%
23	4.128	4.105	4.165	VV	5455	64219	1.06%	0.061%
24	4.199	4.165	4.238	VV	88811	922853	15.23%	0.877%
25	4.246	4.238	4.306	VV	1540	36026	0.59%	0.034%
26	4.314	4.306	4.341	VV	342	3441	0.06%	0.003%
27	4.386	4.341	4.401	VV	2723	33366	0.55%	0.032%
28	4.418	4.401	4.452	VV	3325	39256	0.65%	0.037%
29	4.480	4.452	4.497	VV	9265	97523	1.61%	0.093%
30	4.516	4.497	4.539	VV	24597	249530	4.12%	0.237%
31	4.555	4.539	4.576	VV	4968	54681	0.90%	0.052%
32	4.590	4.576	4.613	VV	1448	18631	0.31%	0.018%
33	4.634	4.613	4.717	VV	4462	72601	1.20%	0.069%
34	4.734	4.717	4.749	VV	1009	11599	0.19%	0.011%
35	4.766	4.749	4.808	VV	1665	26161	0.43%	0.025%
36	4.825	4.808	4.845	VV	771	11785	0.19%	0.011%

Page 1

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37	4.869	4.845	4.881	VV	8186	85374	1.41%	0.081%
38	4.898	4.881	4.921	VV	24237	266008	4.39%	0.253%
39	4.942	4.921	4.963	VV	15284	210252	3.47%	0.200%
40	4.981	4.963	5.034	VV	25778	298549	4.93%	0.284%
41	5.062	5.034	5.128	VV	9606	120459	1.99%	0.114%
42	5.187	5.128	5.223	VV	17216	344569	5.69%	0.327%
43	5.237	5.223	5.250	VV	4389	48166	0.79%	0.046%
44	5.270	5.250	5.292	VV	22241	239826	3.96%	0.228%
45	5.303	5.292	5.316	VV	2942	32024	0.53%	0.030%
46	5.326	5.316	5.355	VV	2385	26128	0.43%	0.025%
47	5.361	5.355	5.374	VV	211	2060	0.03%	0.002%
48	5.400	5.374	5.413	VV	471	6728	0.11%	0.006%
49	5.432	5.413	5.455	VV	706	10991	0.18%	0.010%
50	5.478	5.455	5.528	VV	8505	127694	2.11%	0.121%
51	5.543	5.528	5.585	VV	873	16412	0.27%	0.016%
52	5.619	5.585	5.636	PV	19859	233974	3.86%	0.222%
53	5.652	5.636	5.727	VV	22582	274553	4.53%	0.261%
54	5.741	5.727	5.778	VV	633	11306	0.19%	0.011%
55	5.816	5.778	5.834	VV	3595	50952	0.84%	0.048%
56	5.848	5.834	5.878	VV	3655	46900	0.77%	0.045%
57	5.886	5.878	5.895	VV	732	6846	0.11%	0.007%
58	5.914	5.895	5.928	VV	10690	116424	1.92%	0.111%
59	5.941	5.928	5.957	VV	7619	87772	1.45%	0.083%
60	5.971	5.957	5.994	VV	7672	86565	1.43%	0.082%
61	6.014	5.994	6.032	VV	6015	69557	1.15%	0.066%
62	6.050	6.032	6.085	VV	3117	80048	1.32%	0.076%
63	6.104	6.085	6.128	VV	4810	74266	1.23%	0.071%
64	6.160	6.128	6.177	VV	4066	87058	1.44%	0.083%
65	6.196	6.177	6.218	VV	11435	146389	2.42%	0.139%
66	6.234	6.218	6.276	VV	6140	93208	1.54%	0.089%
67	6.299	6.276	6.320	VV	1869	30406	0.50%	0.029%
68	6.347	6.320	6.414	VV	2844	95718	1.58%	0.091%
69	6.426	6.414	6.441	VV	1475	16390	0.27%	0.016%
70	6.472	6.441	6.540	VV	5294	113097	1.87%	0.107%
71	6.575	6.540	6.627	VV	2831	48565	0.80%	0.046%
72	6.661	6.627	6.715	VV	3201	46426	0.77%	0.044%
73	6.745	6.715	6.757	PV	1327	19294	0.32%	0.018%
74	6.774	6.757	6.793	VV	2359	34506	0.57%	0.033%
75	6.812	6.793	6.833	VV	2154	32577	0.54%	0.031%
76	6.862	6.833	6.900	VV	1914	35616	0.59%	0.034%
77	6.915	6.900	6.928	VV	778	9289	0.15%	0.009%
78	6.944	6.928	6.968	VV	3474	41881	0.69%	0.040%
79	7.007	6.968	7.033	VV	1808	48154	0.79%	0.046%
80	7.067	7.033	7.084	VV	2366	45295	0.75%	0.043%
81	7.100	7.084	7.123	VV	2529	38846	0.64%	0.037%
82	7.144	7.123	7.161	VV	1208	18379	0.30%	0.017%
83	7.193	7.161	7.214	VV	1344	28945	0.48%	0.027%
84	7.237	7.214	7.268	VV	2216	42682	0.70%	0.041%
85	7.297	7.268	7.332	VV	14500	198423	3.27%	0.188%
86	7.340	7.332	7.358	VV	1522	18415	0.30%	0.017%
87	7.383	7.358	7.408	VV	2776	45833	0.76%	0.044%
88	7.435	7.408	7.490	VV	10847	164860	2.72%	0.157%
89	7.503	7.490	7.541	VV	1149	19044	0.31%	0.018%

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90	7.552	7.541	7.563	VV	212	2496	0.04%	0.002%
91	7.612	7.563	7.665	VV	2823	51629	0.85%	0.049%
92	7.691	7.665	7.718	VV	1556	23721	0.39%	0.023%
93	7.730	7.718	7.768	VV	317	5073	0.08%	0.005%
94	7.787	7.768	7.815	PV	1183	16731	0.28%	0.016%
95	7.841	7.815	7.858	VV	759	10096	0.17%	0.010%
96	7.867	7.858	7.881	VV	355	3239	0.05%	0.003%
97	8.041	8.015	8.126	VV	2981	95053	1.57%	0.090%
98	8.197	8.126	8.235	VV	3185	91258	1.51%	0.087%
99	8.245	8.235	8.278	VV	1289	18941	0.31%	0.018%
100	8.313	8.278	8.359	VV	6368	124077	2.05%	0.118%
101	8.417	8.359	8.433	VV	9817	127247	2.10%	0.121%
102	8.445	8.433	8.471	VV	6036	76027	1.25%	0.072%
103	8.496	8.471	8.555	VV	5040	78677	1.30%	0.075%
104	8.588	8.555	8.632	VV	3567	86704	1.43%	0.082%
105	8.652	8.632	8.674	VV	1345	18892	0.31%	0.018%
106	8.694	8.674	8.728	VV	2220	29719	0.49%	0.028%
107	8.744	8.728	8.766	VV	769	8383	0.14%	0.008%
108	8.900	8.885	8.933	VV	3443	70422	1.16%	0.067%
109	8.953	8.933	8.981	VV	3465	65647	1.08%	0.062%
110	9.038	8.981	9.072	VV	9160	170359	2.81%	0.162%
111	9.091	9.072	9.109	VV	1692	22634	0.37%	0.021%
112	9.146	9.109	9.165	VV	3479	54571	0.90%	0.052%
113	9.183	9.165	9.205	VV	3075	45036	0.74%	0.043%
114	9.217	9.205	9.232	VV	1277	14879	0.25%	0.014%
115	9.271	9.232	9.298	VV	1840	43751	0.72%	0.042%
116	9.325	9.298	9.347	VV	18969	238754	3.94%	0.227%
117	9.357	9.347	9.391	VV	4433	62540	1.03%	0.059%
118	9.410	9.391	9.433	VV	1490	22137	0.37%	0.021%
119	9.474	9.433	9.491	VV	3360	50013	0.83%	0.048%
120	9.508	9.491	9.543	VV	3251	48310	0.80%	0.046%
121	9.560	9.543	9.574	VV	1002	13826	0.23%	0.013%
122	9.611	9.574	9.642	VV	4422	81886	1.35%	0.078%
123	9.655	9.642	9.670	VV	1059	12500	0.21%	0.012%
124	9.703	9.670	9.736	VV	6235	128765	2.13%	0.122%
125	9.779	9.736	9.812	VV	7496	182140	3.01%	0.173%
126	9.835	9.812	9.853	VV	5128	88206	1.46%	0.084%
127	9.888	9.853	9.921	VV	4951	145909	2.41%	0.139%
128	9.941	9.921	9.954	VV	2573	42712	0.70%	0.041%
129	9.977	9.954	10.004	VV	17006	241019	3.98%	0.229%
130	10.020	10.004	10.038	VV	5272	86072	1.42%	0.082%
131	10.065	10.038	10.085	VV	5479	124282	2.05%	0.118%
132	10.109	10.085	10.157	VV	43036	590603	9.75%	0.561%
133	10.184	10.157	10.198	VV	3942	87482	1.44%	0.083%
134	10.213	10.198	10.251	VV	4315	98667	1.63%	0.094%
135	10.284	10.251	10.306	VV	3650	88477	1.46%	0.084%
136	10.320	10.306	10.328	VV	2791	35197	0.58%	0.033%
137	10.341	10.328	10.364	VV	2898	51450	0.85%	0.049%
138	10.387	10.364	10.413	VV	3362	74896	1.24%	0.071%
139	10.455	10.413	10.470	VV	6462	147733	2.44%	0.140%
140	10.499	10.470	10.527	VV	29910	491519	8.11%	0.467%
141	10.552	10.527	10.569	VV	8946	163411	2.70%	0.155%

rteres								
142	10.587	10.569	10.610	VV	9396	168446	2.78%	0.160%
143	10.644	10.610	10.671	VV	9823	215607	3.56%	0.205%
144	10.697	10.671	10.728	VV	5620	145767	2.41%	0.138%
145	10.765	10.728	10.808	VV	8048	285194	4.71%	0.271%
146	10.851	10.808	10.887	VV	59401	925855	15.28%	0.879%
147	10.923	10.887	10.956	VV	65465	1062264	17.53%	1.009%
148	10.970	10.956	10.998	VV	6907	151824	2.51%	0.144%
149	11.046	10.998	11.060	VV	5342	183358	3.03%	0.174%
150	11.104	11.060	11.149	VV	41570	720037	11.88%	0.684%
151	11.184	11.149	11.212	VV	12785	339055	5.60%	0.322%
152	11.244	11.212	11.288	VV	12513	387609	6.40%	0.368%
153	11.308	11.288	11.343	VV	9242	227202	3.75%	0.216%
154	11.361	11.343	11.383	VV	8423	155544	2.57%	0.148%
155	11.414	11.383	11.438	VV	7218	205265	3.39%	0.195%
156	11.504	11.438	11.528	VV	6329	303599	5.01%	0.288%
157	11.557	11.528	11.611	VV	59092	929880	15.35%	0.883%
158	11.647	11.611	11.688	VV	43019	801286	13.22%	0.761%
159	11.711	11.688	11.732	VV	6554	146649	2.42%	0.139%
160	11.755	11.732	11.780	VV	6716	156248	2.58%	0.148%
161	11.874	11.780	11.901	VV	493683	6059246	100.00%	5.756%
162	11.912	11.901	11.927	VV	15242	192728	3.18%	0.183%
163	11.946	11.927	11.977	VV	19634	378820	6.25%	0.360%
164	11.994	11.977	12.008	VV	9330	151465	2.50%	0.144%
165	12.024	12.008	12.037	VV	9124	151037	2.49%	0.143%
166	12.060	12.037	12.077	VV	12626	238947	3.94%	0.227%
167	12.093	12.077	12.143	VV	12025	295944	4.88%	0.281%
168	12.167	12.143	12.179	VV	5250	100281	1.66%	0.095%
169	12.229	12.179	12.263	VV	52082	957468	15.80%	0.909%
170	12.287	12.263	12.364	VV	7732	365600	6.03%	0.347%
171	12.385	12.364	12.406	VV	8078	150745	2.49%	0.143%
172	12.447	12.406	12.474	VV	5554	192703	3.18%	0.183%
173	12.504	12.474	12.517	VV	6384	132942	2.19%	0.126%
174	12.530	12.517	12.553	VV	6359	117156	1.93%	0.111%
175	12.569	12.553	12.577	VV	4722	59943	0.99%	0.057%
176	12.641	12.577	12.678	VV	9589	377691	6.23%	0.359%
177	12.702	12.678	12.755	VV	7891	244947	4.04%	0.233%
178	12.814	12.755	12.835	VV	12235	339814	5.61%	0.323%
179	12.871	12.835	12.905	VV	43441	703432	11.61%	0.668%
180	12.931	12.905	12.998	VV	47769	728012	12.01%	0.692%
181	13.019	12.998	13.051	VV	3582	91772	1.51%	0.087%
182	13.090	13.051	13.103	VV	3671	91770	1.51%	0.087%
183	13.124	13.103	13.138	VV	5844	99469	1.64%	0.094%
184	13.147	13.138	13.180	VV	5307	107115	1.77%	0.102%
185	13.192	13.180	13.204	VV	3188	43482	0.72%	0.041%
186	13.229	13.204	13.255	VV	40320	522497	8.62%	0.496%
187	13.319	13.255	13.351	VV	348637	4532064	74.80%	4.305%
188	13.369	13.351	13.394	VV	7058	138834	2.29%	0.132%
189	13.406	13.394	13.457	VV	4388	112978	1.86%	0.107%
190	13.485	13.457	13.548	VV	27153	445080	7.35%	0.423%
191	13.563	13.548	13.608	VV	4178	78062	1.29%	0.074%
192	13.655	13.608	13.674	VV	2527	72713	1.20%	0.069%
193	13.699	13.674	13.776	VV	4743	158956	2.62%	0.151%
194	13.825	13.776	13.854	VV	8872	190091	3.14%	0.181%

					rteres			
195	13.866	13.854	13.877	VV	2122	25742	0.42%	0.024%
196	13.931	13.877	13.951	VV	4135	107520	1.77%	0.102%
197	13.973	13.951	14.038	VV	5764	130944	2.16%	0.124%
198	14.073	14.038	14.123	VV	16093	296951	4.90%	0.282%
199	14.143	14.123	14.189	VV	3982	72243	1.19%	0.069%
200	14.224	14.189	14.250	VV	967	14976	0.25%	0.014%
201	14.297	14.250	14.365	PV	2127	52528	0.87%	0.050%
202	14.437	14.365	14.451	PV	970	21750	0.36%	0.021%
203	14.464	14.451	14.477	VV	1643	19676	0.32%	0.019%
204	14.495	14.477	14.504	VV	1922	26070	0.43%	0.025%
205	14.533	14.504	14.550	VV	2165	53544	0.88%	0.051%
206	14.572	14.550	14.603	VV	4710	73502	1.21%	0.070%
207	14.637	14.603	14.691	PV	7634	125914	2.08%	0.120%
208	14.699	14.691	14.715	VV	748	7426	0.12%	0.007%
209	14.743	14.715	14.780	VV	4391	88625	1.46%	0.084%
210	14.804	14.780	14.830	VV	5989	94546	1.56%	0.090%
211	14.881	14.830	14.907	VV	3637	84116	1.39%	0.080%
212	14.923	14.907	14.942	VV	1193	17418	0.29%	0.017%
213	14.960	14.942	14.976	VV	1985	24982	0.41%	0.024%
214	14.991	14.976	15.002	VV	1276	16482	0.27%	0.016%
215	15.019	15.002	15.061	VV	1295	23332	0.39%	0.022%
216	15.117	15.061	15.137	VV	18687	256078	4.23%	0.243%
217	15.157	15.137	15.203	VV	21405	383684	6.33%	0.364%
218	15.220	15.203	15.244	VV	2324	42063	0.69%	0.040%
219	15.279	15.244	15.341	VV	3507	99966	1.65%	0.095%
220	15.376	15.341	15.402	VV	1413	31918	0.53%	0.030%
221	15.430	15.402	15.451	PV	2859	47945	0.79%	0.046%
222	15.466	15.451	15.519	VV	2193	70162	1.16%	0.067%
223	15.563	15.519	15.649	VV	21563	486364	8.03%	0.462%
224	15.659	15.649	15.676	VV	1975	29146	0.48%	0.028%
225	15.708	15.676	15.736	VV	5567	138190	2.28%	0.131%
226	15.762	15.736	15.770	VV	3102	57944	0.96%	0.055%
227	15.794	15.770	15.815	VV	8674	141246	2.33%	0.134%
228	15.831	15.815	15.868	VV	5415	111372	1.84%	0.106%
229	15.956	15.868	15.985	VV	5975	275742	4.55%	0.262%
230	16.023	15.985	16.056	VV	5375	174173	2.87%	0.165%
231	16.083	16.056	16.105	VV	5231	117685	1.94%	0.112%
232	16.120	16.105	16.142	VV	4649	89273	1.47%	0.085%
233	16.205	16.142	16.245	VV	7032	317514	5.24%	0.302%
234	16.257	16.245	16.278	VV	4824	86380	1.43%	0.082%
235	16.296	16.278	16.309	VV	4696	83353	1.38%	0.079%
236	16.402	16.309	16.421	VV	9298	422773	6.98%	0.402%
237	16.433	16.421	16.455	VV	7175	134910	2.23%	0.128%
238	16.498	16.455	16.520	VV	10066	335738	5.54%	0.319%
239	16.545	16.520	16.561	VV	11137	241973	3.99%	0.230%
240	16.584	16.561	16.614	VV	11191	319658	5.28%	0.304%
241	16.683	16.614	16.741	VV	35295	1231252	20.32%	1.170%
242	16.769	16.741	16.798	VV	114838	1716454	28.33%	1.630%
243	16.816	16.798	16.838	VV	15247	329419	5.44%	0.313%
244	16.849	16.838	16.866	VV	13248	216793	3.58%	0.206%
245	16.901	16.866	16.925	VV	13869	458841	7.57%	0.436%
246	17.005	16.925	17.042	VV	29342	1218863	20.12%	1.158%

rteres								
247	17.065	17.042	17.110	VV	28847	830037	13.70%	0.788%
248	17.171	17.110	17.203	VV	27011	1126538	18.59%	1.070%
249	17.281	17.203	17.306	VV	19276	1127968	18.62%	1.071%
250	17.386	17.306	17.427	VV	25284	1568266	25.88%	1.490%
251	17.447	17.427	17.458	VV	21253	386252	6.37%	0.367%
252	17.473	17.458	17.505	VV	21097	581593	9.60%	0.552%
253	17.565	17.505	17.583	VV	25208	1069588	17.65%	1.016%
254	17.602	17.583	17.650	VV	24393	909551	15.01%	0.864%
255	17.723	17.650	17.751	VV	28262	1435920	23.70%	1.364%
256	17.774	17.751	17.784	VV	22338	425589	7.02%	0.404%
257	17.802	17.784	17.820	VV	22373	468622	7.73%	0.445%
258	17.841	17.820	17.857	VV	22181	462426	7.63%	0.439%
259	17.892	17.857	17.911	VV	23513	703440	11.61%	0.668%
260	17.941	17.911	17.968	VV	25891	781742	12.90%	0.743%
261	18.039	17.968	18.068	VV	27230	1450455	23.94%	1.378%
262	18.077	18.068	18.098	VV	22413	382480	6.31%	0.363%
263	18.114	18.098	18.126	VV	21881	359309	5.93%	0.341%
264	18.185	18.126	18.261	VV	27863	1974454	32.59%	1.875%
265	18.285	18.261	18.315	VV	22882	692111	11.42%	0.657%
266	18.354	18.315	18.371	VV	24766	749294	12.37%	0.712%
267	18.412	18.371	18.426	VV	27459	812880	13.42%	0.772%
268	18.445	18.426	18.508	VV	30419	1280447	21.13%	1.216%
269	18.521	18.508	18.531	VV	22524	302599	4.99%	0.287%
270	18.554	18.531	18.578	VV	27616	685426	11.31%	0.651%
271	18.590	18.578	18.601	VV	22010	303614	5.01%	0.288%
272	18.613	18.601	18.648	VV	21992	585178	9.66%	0.556%
273	18.700	18.648	18.815	VV	28881	2039820	33.66%	1.938%
274	18.869	18.815	18.918	VV	25574	1226438	20.24%	1.165%
275	18.929	18.918	18.941	VV	17093	233518	3.85%	0.222%
276	18.973	18.941	19.003	VV	19966	673929	11.12%	0.640%
277	19.025	19.003	19.096	VV	19167	978292	16.15%	0.929%
278	19.143	19.096	19.181	VV	17290	846744	13.97%	0.804%
279	19.194	19.181	19.204	VV	16108	217905	3.60%	0.207%
280	19.239	19.204	19.261	VV	19001	608362	10.04%	0.578%
281	19.278	19.261	19.342	VV	19610	862715	14.24%	0.819%
282	19.380	19.342	19.428	VV	17560	822696	13.58%	0.781%
283	19.449	19.428	19.465	VV	15620	336299	5.55%	0.319%
284	19.480	19.465	19.515	VV	15684	457086	7.54%	0.434%
285	19.525	19.515	19.545	VV	15308	265552	4.38%	0.252%
286	19.569	19.545	19.606	VV	15290	539556	8.90%	0.513%
287	19.686	19.606	19.743	VV	16878	1247328	20.59%	1.185%
288	19.778	19.743	19.815	VV	16047	642081	10.60%	0.610%
289	19.880	19.815	19.908	VV	17795	911890	15.05%	0.866%
290	19.937	19.908	19.975	VV	18390	692874	11.43%	0.658%
291	19.982	19.975	19.990	VV	16845	156512	2.58%	0.149%
292	20.021	19.990	20.060	VV	18538	732358	12.09%	0.696%
293	20.080	20.060	20.133	VV	17931	726759	11.99%	0.690%
294	20.247	20.133	20.291	VV	21524	1740976	28.73%	1.654%
295	20.307	20.291	20.325	VV	19013	378028	6.24%	0.359%
296	20.405	20.325	20.443	VV	19592	1344530	22.19%	1.277%
297	20.691	20.443	20.700	VV	20377	2985327	49.27%	2.836%
298	20.729	20.700	20.738	VV	21209	468792	7.74%	0.445%
299	20.762	20.738	20.811	VV	22039	923717	15.24%	0.877%

rteres								
300	20.820	20.811	20.847	VV	20756	437888	7.23%	0.416%
301	20.858	20.847	20.879	VV	19804	376967	6.22%	0.358%
302	20.900	20.879	20.954	VV	19665	864139	14.26%	0.821%
303	20.968	20.954	20.985	VV	18903	339884	5.61%	0.323%
304	20.991	20.985	21.000	VV	18666	171031	2.82%	0.162%
305	21.096	21.000	21.113	VV	18367	1235257	20.39%	1.173%
306	21.137	21.113	21.192	VV	17910	800872	13.22%	0.761%
307	21.205	21.192	21.264	VV	16260	673863	11.12%	0.640%
308	21.274	21.264	21.284	VV	14855	179726	2.97%	0.171%
309	21.293	21.284	21.339	VV	14762	473527	7.81%	0.450%
310	21.367	21.339	21.478	VV	14253	1079506	17.82%	1.025%
311	21.486	21.478	21.498	VV	11807	139558	2.30%	0.133%
312	21.503	21.498	21.528	VV	11723	204293	3.37%	0.194%
313	21.549	21.528	21.564	VV	11519	242498	4.00%	0.230%
314	21.572	21.564	21.610	VV	11316	301666	4.98%	0.287%
315	21.670	21.610	21.725	VV	10465	699090	11.54%	0.664%
316	21.734	21.725	21.761	VV	9751	208985	3.45%	0.199%
317	21.782	21.761	21.800	VV	9137	211876	3.50%	0.201%
318	21.824	21.800	21.901	VV	9505	527076	8.70%	0.501%
319	21.911	21.901	22.011	VV	7778	458978	7.57%	0.436%
320	22.032	22.011	22.045	VV	6362	123749	2.04%	0.118%
321	22.048	22.045	22.059	VV	6180	50808	0.84%	0.048%
322	22.068	22.059	22.091	VV	6011	112965	1.86%	0.107%
323	22.123	22.091	22.137	VV	5619	153101	2.53%	0.145%
324	22.149	22.137	22.176	VV	5659	122004	2.01%	0.116%
325	22.188	22.176	22.305	VV	5150	289102	4.77%	0.275%
326	22.325	22.305	22.365	VV	2057	61810	1.02%	0.059%
327	22.378	22.365	22.411	VV	1269	28732	0.47%	0.027%
328	22.439	22.411	22.480	VV	1391	38871	0.64%	0.037%
329	22.492	22.480	22.503	VV	861	11134	0.18%	0.011%
330	22.525	22.503	22.547	VV	918	18889	0.31%	0.018%
331	22.565	22.547	22.584	VV	435	7767	0.13%	0.007%
Sum of corrected areas:					105276227			

Aliphatic EPH 041725.M Wed Apr 23 03:42:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
Data File : FG015734.D
Signal(s) : FID1A.ch
Acq On : 22 Apr 2025 13:48
Operator : YP\AJ
Sample : PB167690BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167690BL

Integration File: autoint1.e
Quant Time: Apr 23 02:41:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Thu Apr 17 12:40:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.900	5635503	38.872 ug/ml
Spiked Amount	50.000	Recovery	= 77.74%
12) S 1-chlorooctadecane (S...	13.346	4130716	39.061 ug/ml
Spiked Amount	50.000	Recovery	= 78.12%

Target Compounds

(f)=RT Delta > 1/2 Window

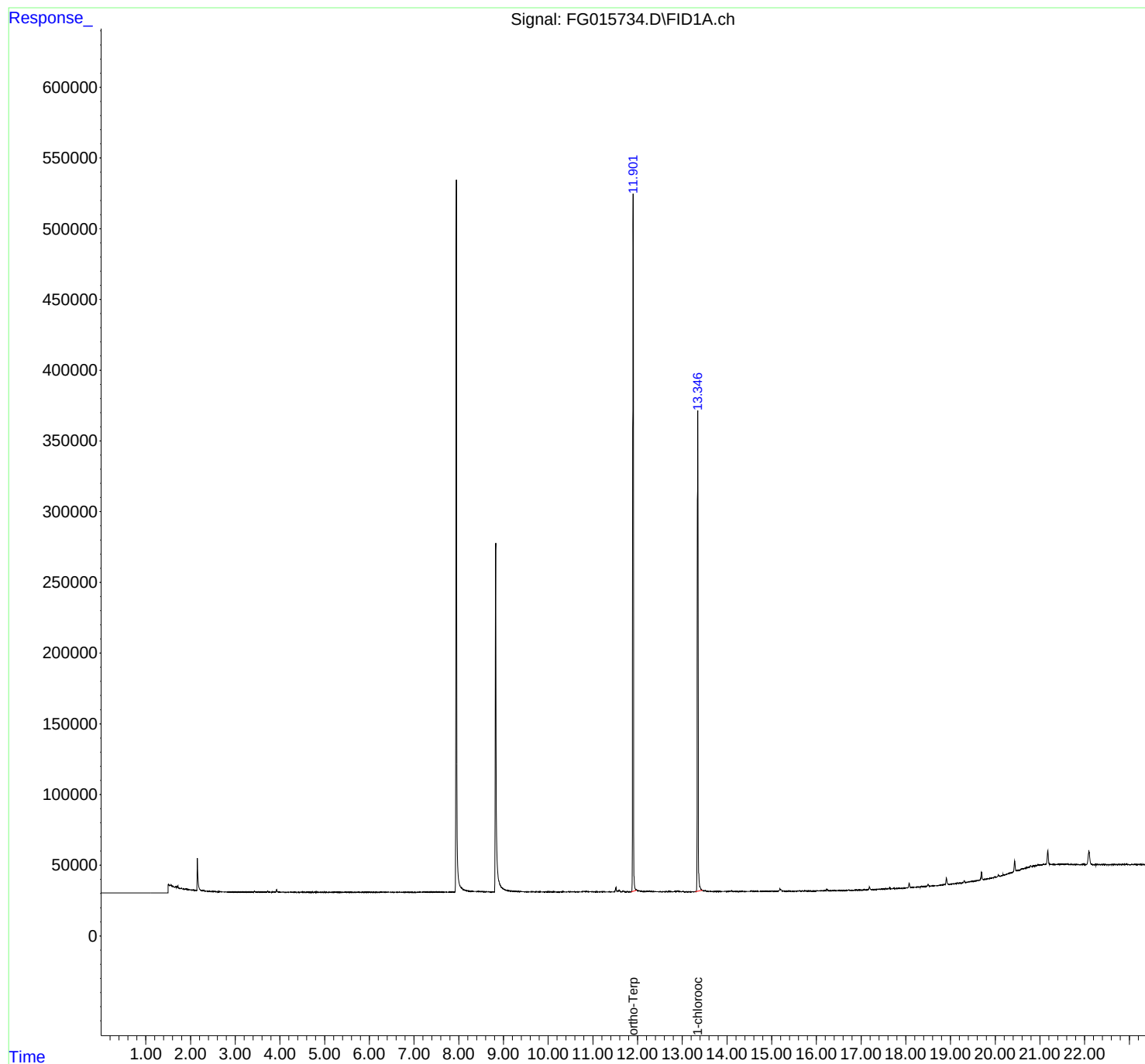
(m)=manual int.

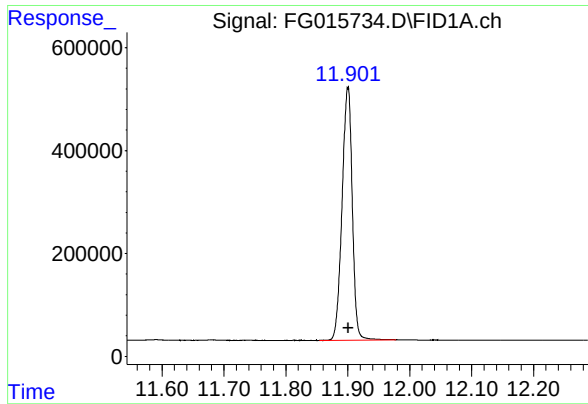
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
Data File : FG015734.D
Signal(s) : FID1A.ch
Acq On : 22 Apr 2025 13:48
Operator : YP\AJ
Sample : PB167690BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167690BL

Integration File: autoint1.e
Quant Time: Apr 23 02:41:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Thu Apr 17 12:40:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

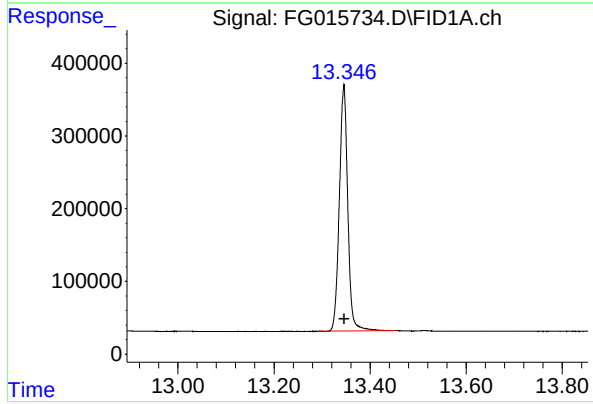




#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min
Delta R.T.: 0.000 min
Response: 5635503
Conc: 38.87 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167690BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min
Delta R.T.: -0.001 min
Response: 4130716
Conc: 39.06 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015734.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 13:48
 Sample : PB167690BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.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	11.900	11.854	11.978	BB	490168	5635503	100.00%	57.704%
2	13.346	13.294	13.454	BB	337285	4130716	73.30%	42.296%
Sum of corrected areas:						9766219		

Aliphatic EPH 041725.M Wed Apr 23 02:55:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015735.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 14:18
 Operator : YP\AJ
 Sample : PB167690BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

PB167690BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.901	5947336	41.023 ug/ml
Spiked Amount 50.000		Recovery =	82.05%
12) S 1-chlorooctadecane (S...	13.344	4670863	44.169 ug/ml
Spiked Amount 50.000		Recovery =	88.34%
Target Compounds			
1) T n-Nonane (C9)	3.253	4384772	39.237 ug/ml
2) T n-Decane (C10)	4.509	4572683	40.778 ug/ml
3) T A~Naphthalene (C11.7)	6.218	5215413	44.953 ug/ml
4) T n-Dodecane (C12)	6.686	4799134	41.974 ug/ml
5) T A~2-methylnaphthalene...	7.319	4779810	42.935 ug/ml
6) T n-Tetradecane (C14)	8.523	4957541	43.504 ug/ml
7) T n-Hexadecane (C16)	10.136	4987500	42.654 ug/ml
8) T n-Octadecane (C18)	11.584	5050828	42.224 ug/ml
10) T n-Eicosane (C20)	12.898	5242678	44.058 ug/ml
11) T n-Heneicosane (C21)	13.512	5020601	42.446 ug/ml
13) T n-Docosane (C22)	14.100	4990954	42.798 ug/ml
14) T n-Tetracosane (C24)	15.206	9456441	82.053 ug/mlm
15) T n-Hexacosane (C26)	16.233	4816385	43.130 ug/ml
16) T n-Octacosane (C28)	17.184	4871281	44.760 ug/ml
17) T n-Tricontane (C30)	18.074	4606107	42.288 ug/ml
18) T n-Dotriacontane (C32)	18.907	4480997	41.652 ug/ml
19) T n-Tetratriacontane (C34)	19.693	4255446	41.765 ug/ml
20) T n-Hexatriacontane (C36)	20.433	3946799	40.347 ug/ml
21) T n-Octatriacontane (C38)	21.173	3662198	40.122 ug/ml
22) T n-Tetracontane (C40)	22.094	3228198	38.225 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
Data File : FG015735.D
Signal(s) : FID1A.ch
Acq On : 22 Apr 2025 14:18
Operator : YP\AJ
Sample : PB167690BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_G

Client SampleId :

PB167690BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

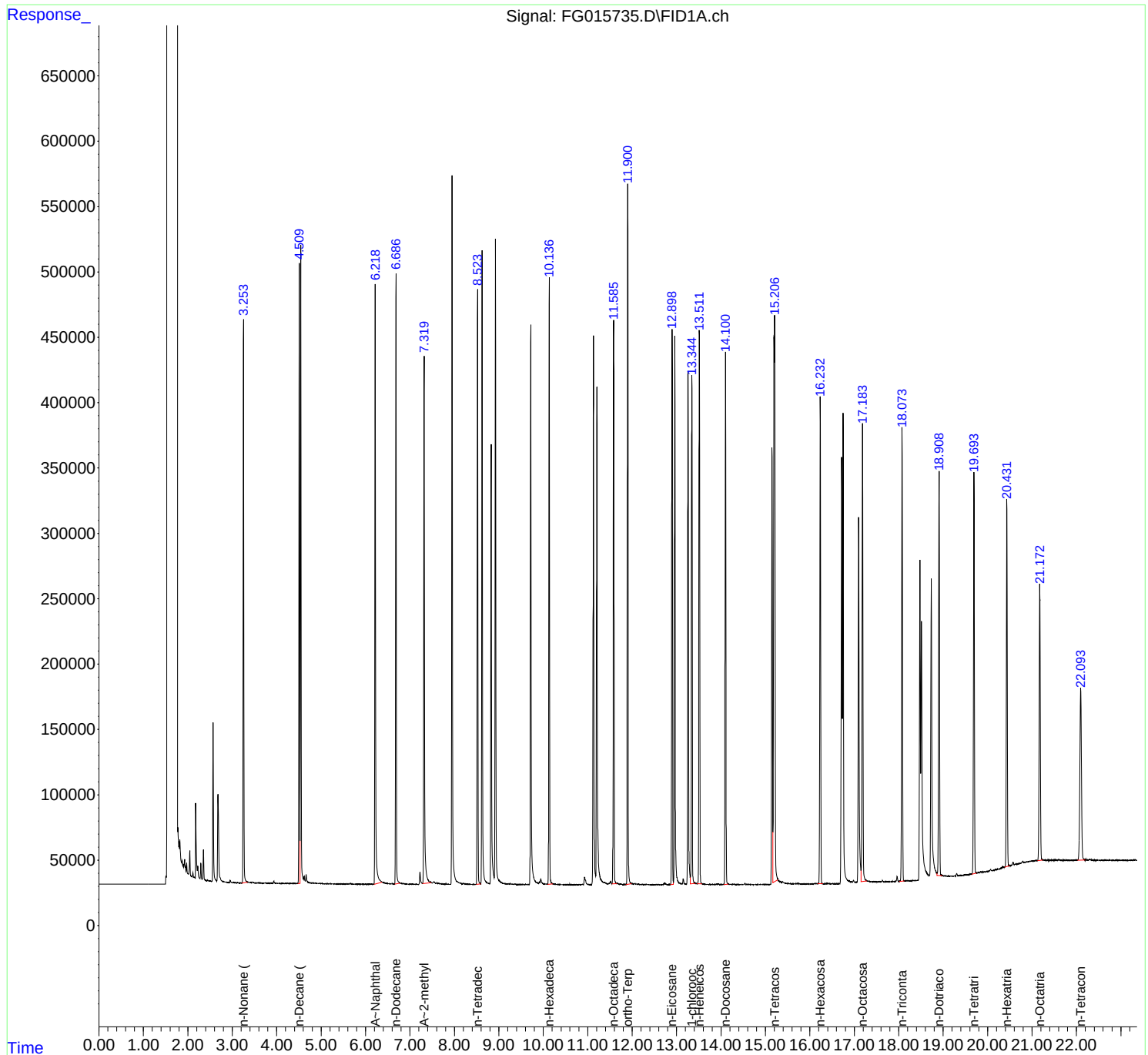
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_G

ClientSampleId :

PB167690BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04222

Data File : FG015735.D

Signal(s) : FID1A.ch

Acq On : 22 Apr 2025 14:18

Sample : PB167690BS

Misc :

ALS Vial : 22 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.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	3.253	3.213	3.344	BB	429953	4384772	73.73%	2.478%
2	4.509	4.477	4.525	BV	474592	4572683	76.89%	2.585%
3	4.542	4.525	4.603	VV	487531	5065781	85.18%	2.863%
4	6.218	6.190	6.373	BB	458346	5215413	87.69%	2.948%
5	6.686	6.653	6.776	BB	466129	4799134	80.69%	2.713%
6	7.319	7.280	7.483	BB	403355	4779810	80.37%	2.702%
7	8.523	8.488	8.595	BB	453734	4957541	83.36%	2.802%
8	8.625	8.598	8.746	BB	482634	5284739	88.86%	2.987%
9	8.926	8.898	9.052	VB	492399	5446972	91.59%	3.079%
10	9.720	9.684	9.857	BB	426631	5238702	88.08%	2.961%
11	10.136	10.098	10.213	BB	464174	4987500	83.86%	2.819%
12	11.131	11.075	11.181	BV	418333	4968163	83.54%	2.808%
13	11.207	11.181	11.366	VB	378514	4982124	83.77%	2.816%
14	11.584	11.548	11.657	BB	428884	5050828	84.93%	2.855%
15	11.901	11.858	11.991	BB	534853	5947336	100.00%	3.362%
16	12.898	12.858	12.929	BV	422841	5242678	88.15%	2.963%
17	12.960	12.929	13.083	VB	418727	5006503	84.18%	2.830%
18	13.258	13.223	13.308	BV	392446	4849786	81.55%	2.741%
19	13.344	13.308	13.428	VB	387703	4670863	78.54%	2.640%
20	13.512	13.461	13.578	BB	422939	5020601	84.42%	2.838%
21	14.100	14.062	14.164	BB	406362	4990954	83.92%	2.821%
22	15.147	15.113	15.167	BV	324809	4125215	69.36%	2.332%
23	15.193	15.167	15.198	VV	415256	4525450	76.09%	2.558%
24	15.206	15.198	15.330	VB	434138	5073687	85.31%	2.868%
25	16.233	16.179	16.289	BB	370852	4816385	80.98%	2.722%
26	16.716	16.665	16.730	BV	325164	4320432	72.64%	2.442%
27	16.747	16.730	16.871	VB	358500	4696616	78.97%	2.655%
28	17.097	17.047	17.150	BV	276881	3997429	67.21%	2.259%
29	17.184	17.150	17.284	VB	347445	4871281	81.91%	2.753%
30	18.074	18.012	18.130	BB	342209	4606107	77.45%	2.603%
31	18.477	18.427	18.493	BV	244363	3222488	54.18%	1.821%
32	18.510	18.493	18.683	VB	196410	3662153	61.58%	2.070%
33	18.733	18.690	18.860	BV	226878	3968877	66.73%	2.243%
34	18.907	18.860	18.975	VB	304040	4480997	75.34%	2.533%
35	19.693	19.640	19.753	BB	306412	4255446	71.55%	2.405%
36	20.433	20.390	20.498	BB	278879	3946799	66.36%	2.231%

6

Instrument :

FID_G

ClientSampleId :

PB167690BS

					rters				
37	21.173	21.120	21.244	BB	211116	3662198	61.58%	2.070%	
38	22.094	22.019	22.198	BB	130436	3228198	54		
					Sum of corrected areas:	1769			

Manual IntegrationsAPPROVED

Aliphatic EPH 041725.M Wed Apr 23 02:56:18 2025

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015736.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 14:47
 Operator : YP\AJ
 Sample : PB167690BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

PB167690BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:32 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.899	5230164	36.076 ug/ml
Spiked Amount 50.000		Recovery =	72.15%
12) S 1-chlorooctadecane (S...	13.344	4125892	39.016 ug/ml
Spiked Amount 50.000		Recovery =	78.03%
Target Compounds			
1) T n-Nonane (C9)	3.249	3803170	34.033 ug/ml
2) T n-Decane (C10)	4.507	3958481	35.301 ug/ml
3) T A~Naphthalene (C11.7)	6.218	4534803	39.086 ug/ml
4) T n-Dodecane (C12)	6.686	4162418	36.405 ug/ml
5) T A~2-methylnaphthalene...	7.319	4138117	37.171 ug/ml
6) T n-Tetradecane (C14)	8.523	4310940	37.830 ug/ml
7) T n-Hexadecane (C16)	10.136	4352115	37.220 ug/ml
8) T n-Octadecane (C18)	11.584	4423303	36.978 ug/ml
10) T n-Eicosane (C20)	12.899	4610527	38.745 ug/ml
11) T n-Heneicosane (C21)	13.512	4422093	37.386 ug/ml
13) T n-Docosane (C22)	14.101	4405019	37.774 ug/ml
14) T n-Tetracosane (C24)	15.205	8744718	75.878 ug/mlm
15) T n-Hexacosane (C26)	16.232	4295013	38.461 ug/ml
16) T n-Octacosane (C28)	17.184	4377689	40.225 ug/ml
17) T n-Tricontane (C30)	18.073	4156591	38.161 ug/ml
18) T n-Dotriacontane (C32)	18.908	4054743	37.689 ug/ml
19) T n-Tetratriacontane (C34)	19.693	3891149	38.189 ug/ml
20) T n-Hexatriacontane (C36)	20.434	3657836	37.393 ug/ml
21) T n-Octatriacontane (C38)	21.174	3464692	37.958 ug/ml
22) T n-Tetracontane (C40)	22.096	3148209	37.278 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
Data File : FG015736.D
Signal(s) : FID1A.ch
Acq On : 22 Apr 2025 14:47
Operator : YP\AJ
Sample : PB167690BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_G

Client SampleId :

PB167690BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:32 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

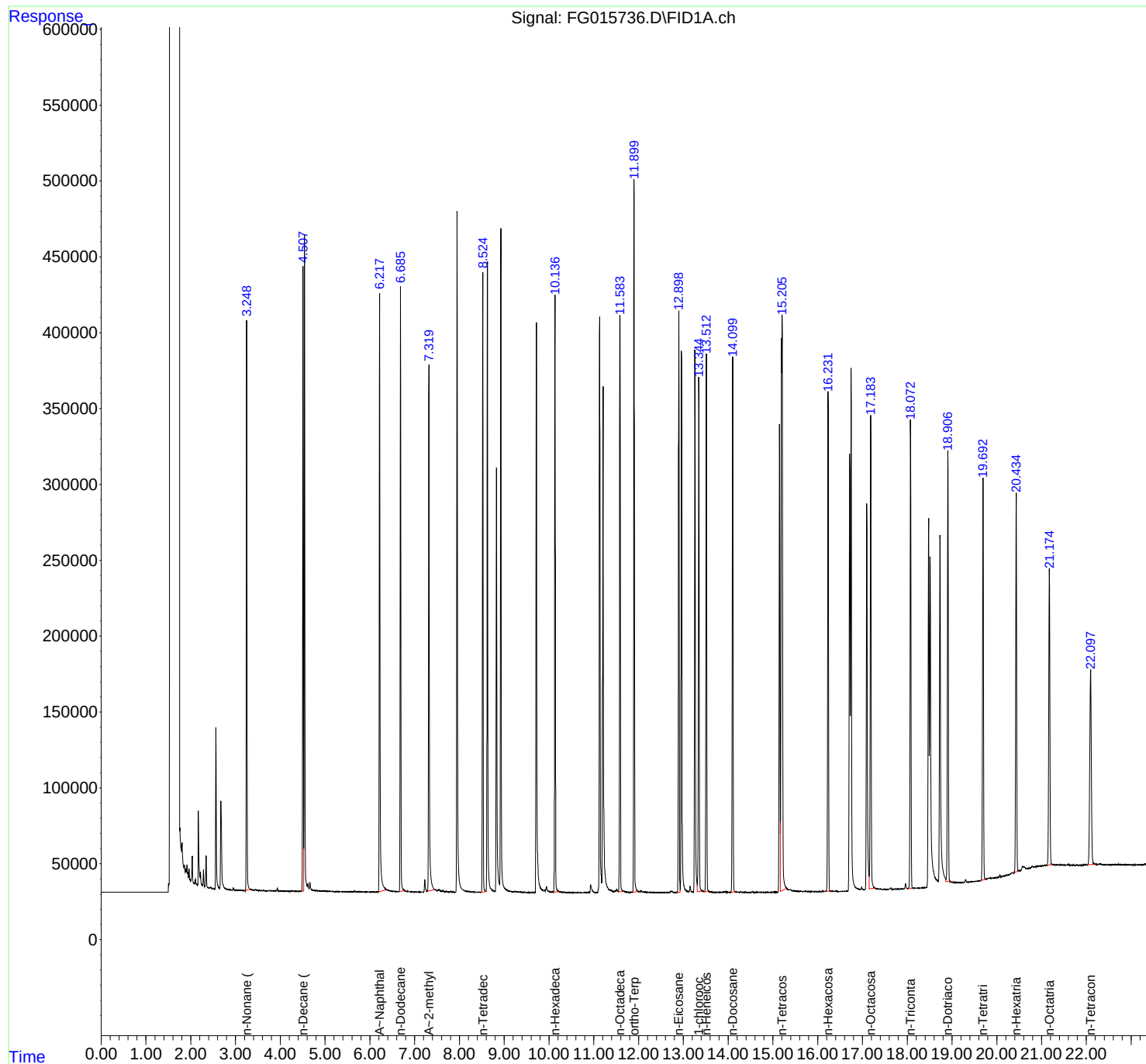
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_G

ClientSampleId :

PB167690BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04222
 Data File : FG015736.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 14:47
 Sample : PB167690BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.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	3.249	3.207	3.337	BB	375731	3803170	72.72%	2.382%
2	4.507	4.467	4.524	BV	411434	3958481	75.69%	2.479%
3	4.541	4.524	4.603	VV	431809	4415628	84.43%	2.766%
4	6.218	6.181	6.370	BB	394073	4534803	86.70%	2.840%
5	6.686	6.649	6.773	BB	398514	4162418	79.58%	2.607%
6	7.319	7.281	7.453	BB	346700	4138117	79.12%	2.592%
7	8.523	8.491	8.595	BB	408655	4310940	82.42%	2.700%
8	8.625	8.597	8.746	BB	415667	4629872	88.52%	2.900%
9	8.927	8.898	9.051	VB	436026	4775511	91.31%	2.991%
10	9.719	9.683	9.870	BB	372698	4618244	88.30%	2.893%
11	10.136	10.098	10.218	BB	393146	4352115	83.21%	2.726%
12	11.131	11.084	11.180	BV	378948	4407628	84.27%	2.761%
13	11.207	11.180	11.370	VB	332591	4484843	85.75%	2.809%
14	11.584	11.545	11.661	BB	378665	4423303	84.57%	2.771%
15	11.899	11.863	11.988	BB	468721	5230164	100.00%	3.276%
16	12.899	12.859	12.929	BV	383526	4610527	88.15%	2.888%
17	12.959	12.929	13.083	VB	355165	4486428	85.78%	2.810%
18	13.258	13.224	13.309	BV	356383	4338340	82.95%	2.717%
19	13.344	13.309	13.426	VB	338852	4125892	78.89%	2.584%
20	13.512	13.466	13.574	BB	353670	4422093	84.55%	2.770%
21	14.101	14.059	14.163	BB	352096	4405019	84.22%	2.759%
22	15.147	15.107	15.167	BV	307814	3805295	72.76%	2.383%
23	15.191	15.167	15.198	VV	364316	4079766	78.00%	2.555%
24	15.206	15.198	15.330	VB	377084	4646904	88.85%	2.911%
25	16.232	16.183	16.288	BB	325272	4295013	82.12%	2.690%
26	16.714	16.662	16.729	BV	287093	3984196	76.18%	2.496%
27	16.747	16.729	16.868	VB	343281	4445394	85.00%	2.784%
28	17.096	17.046	17.150	BV	254960	3824427	73.12%	2.395%
29	17.184	17.150	17.280	VB	310866	4377689	83.70%	2.742%
30	18.073	18.013	18.128	BB	306603	4156591	79.47%	2.604%
31	18.477	18.425	18.493	BV	242843	3325069	63.57%	2.083%
32	18.511	18.493	18.686	VB	215215	3941597	75.36%	2.469%
33	18.732	18.687	18.862	BV	226707	3921141	74.97%	2.456%
34	18.908	18.862	18.968	VB	283264	4054743	77.53%	2.540%
35	19.693	19.640	19.754	BB	262791	3891149	74.40%	2.437%
36	20.434	20.390	20.491	BB	249713	3657836	69.94%	2.291%

Page 1

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Instrument :

FID_G

ClientSampleId :

PB167690BSD

					rters				
37	21.174	21.120	21.244	BB	195320	3464692	66.24%	2.170%	
38	22.096	22.019	22.196	BB	128241	3148209	66.24%	2.170%	
					Sum of corrected areas:	1596			

Manual IntegrationsAPPROVED

Aliphatic EPH 041725.M Wed Apr 23 02:57:00 2025

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015739.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 16:15
 Operator : YP\AJ
 Sample : Q1848-03MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

ETGI-275MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:43:39 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.900	3382078	23.329 ug/ml
Spiked Amount 50.000		Recovery =	46.66%
12) S 1-chlorooctadecane (S...	13.346	3382551	31.986 ug/ml
Spiked Amount 50.000		Recovery =	63.97%
Target Compounds			
1) T n-Nonane (C9)	3.243	2549580	22.815 ug/ml
2) T n-Decane (C10)	4.505	2784116	24.828 ug/ml
3) T A~Naphthalene (C11.7)	6.218	3288329	28.343 ug/ml
4) T n-Dodecane (C12)	6.686	3038575	26.576 ug/ml
5) T A~2-methylnaphthalene...	7.320	3128049	28.098 ug/ml
6) T n-Tetradecane (C14)	8.523	3340928	29.318 ug/ml
7) T n-Hexadecane (C16)	10.135	3609805	30.872 ug/ml
8) T n-Octadecane (C18)	11.585	3716787	31.072 ug/ml
10) T n-Eicosane (C20)	12.901	4138906	34.782 ug/ml
11) T n-Heneicosane (C21)	13.515	4167389	35.233 ug/ml
13) T n-Docosane (C22)	14.103	4552200	39.036 ug/ml
14) T n-Tetracosane (C24)	15.201	10577481	91.780 ug/ml
15) T n-Hexacosane (C26)	16.238	4160565	37.257 ug/ml
16) T n-Octacosane (C28)	17.189	3990897	36.671 ug/ml
17) T n-Tricontane (C30)	18.079	3797471	34.864 ug/ml
18) T n-Dotriacontane (C32)	18.912	3826483	35.568 ug/ml
19) T n-Tetratriacontane (C34)	19.697	3672026	36.039 ug/ml
20) T n-Hexatriacontane (C36)	20.439	3159879	32.303 ug/ml
21) T n-Octatriacontane (C38)	21.180	3126737	34.256 ug/ml
22) T n-Tetracontane (C40)	22.101	3083670	36.513 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
Data File : FG015739.D
Signal(s) : FID1A.ch
Acq On : 22 Apr 2025 16:15
Operator : YP\AJ
Sample : Q1848-03MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

ETGI-275MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:43:39 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

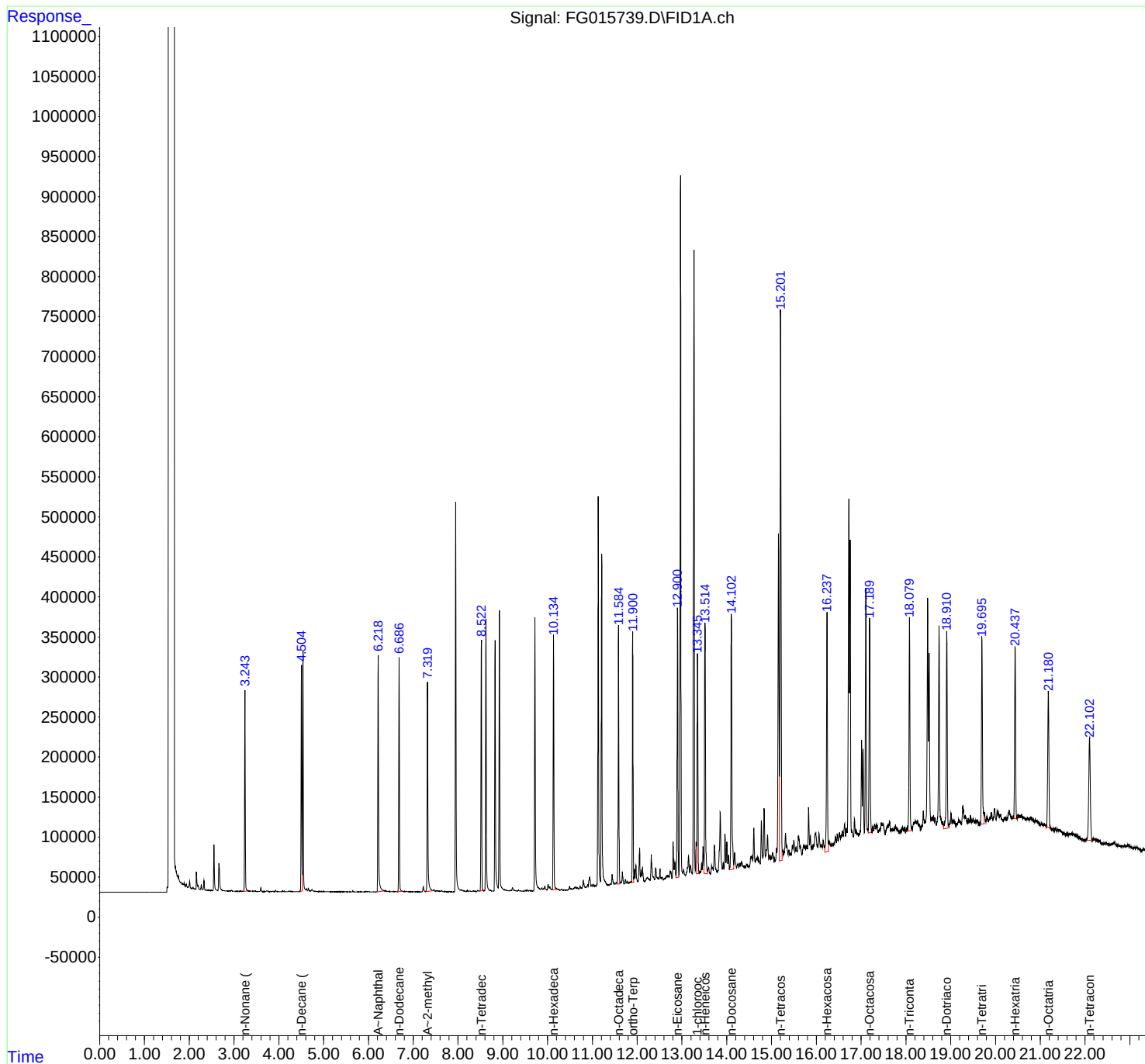
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_G

ClientSampleId :

ETGI-275MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04222

Data File : FG015739.D

Signal(s) : FID1A.ch

Acq On : 22 Apr 2025 16:15

Sample : Q1848-03MS

Misc :

ALS Vial : 26 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.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	3.243	3.221	3.373	BV	250634	2534117	22.22%	0.774%
2	3.385	3.373	3.417	PV	120	1369	0.01%	0.000%
3	3.435	3.417	3.508	PV	577	9350	0.08%	0.003%
4	3.519	3.508	3.540	PV	109	1206	0.01%	0.000%
5	3.561	3.540	3.571	VV	151	1568	0.01%	0.000%
6	3.598	3.571	3.638	VV	4657	49925	0.44%	0.015%
7	3.644	3.638	3.659	VV	38	518	0.00%	0.000%
8	3.699	3.659	3.709	VV	234	2601	0.02%	0.001%
9	3.731	3.709	3.819	VV	925	19634	0.17%	0.006%
10	3.850	3.819	3.907	VV	468	11184	0.10%	0.003%
11	3.929	3.907	4.028	VV	1764	22954	0.20%	0.007%
12	4.044	4.028	4.061	PV	161	2375	0.02%	0.001%
13	4.086	4.061	4.141	VV	1223	17346	0.15%	0.005%
14	4.153	4.141	4.190	VV	206	3617	0.03%	0.001%
15	4.230	4.190	4.261	VV	449	12735	0.11%	0.004%
16	4.284	4.261	4.353	VV	305	11420	0.10%	0.003%
17	4.363	4.353	4.371	VV	162	1316	0.01%	0.000%
18	4.382	4.371	4.411	VV	186	2375	0.02%	0.001%
19	4.443	4.411	4.454	VV	159	2943	0.03%	0.001%
20	4.461	4.454	4.475	VV	270	1343	0.01%	0.000%
21	4.505	4.475	4.522	VV	282707	2801434	24.57%	0.855%
22	4.538	4.522	4.599	VV	300433	3095105	27.14%	0.945%
23	4.615	4.599	4.641	VV	3743	63907	0.56%	0.020%
24	4.660	4.641	4.715	VV	4385	85271	0.75%	0.026%
25	4.738	4.715	4.885	VV	2817	98708	0.87%	0.030%
26	4.894	4.885	4.985	VV	414	20124	0.18%	0.006%
27	4.987	4.985	5.004	VV	366	3769	0.03%	0.001%
28	5.016	5.004	5.108	VV	377	16734	0.15%	0.005%
29	5.121	5.108	5.159	VV	222	5260	0.05%	0.002%
30	5.175	5.159	5.198	VV	236	3620	0.03%	0.001%
31	5.223	5.198	5.255	VV	257	6653	0.06%	0.002%
32	5.265	5.255	5.377	VV	222	10330	0.09%	0.003%
33	5.401	5.377	5.447	VV	273	6622	0.06%	0.002%
34	5.494	5.447	5.563	VV	387	13892	0.12%	0.004%
35	5.585	5.563	5.622	VV	206	2819	0.02%	0.001%
36	5.652	5.622	5.691	PV	792	11668	0.10%	0.004%

Parameters									
37	5.797	5.691	5.816	VV	311	10502	0.09%	0.003%	
38	5.843	5.816	5.890	VV	575	9990			
39	5.946	5.890	5.954	VV	588	12393			
40	5.966	5.954	6.039	VV	650	18596			
41	6.049	6.039	6.085	VV	134	1740			
42	6.091	6.085	6.098	VV	36	310			
43	6.119	6.098	6.187	VV	260	3444	0.03%	0.001%	
44	6.218	6.187	6.525	PV	294780	3440767	30.18%	1.051%	
45	6.573	6.525	6.653	VV	535	29524	0.26%	0.009%	
46	6.686	6.653	6.821	VV	291212	3103246	27.22%	0.948%	
47	6.841	6.821	6.901	VV	738	21026	0.18%	0.006%	
48	6.909	6.901	6.958	VV	278	7129	0.06%	0.002%	
49	6.970	6.958	6.991	VV	305	4872	0.04%	0.001%	
50	7.017	6.991	7.066	VV	421	11779	0.10%	0.004%	
51	7.098	7.066	7.124	VV	296	6273	0.06%	0.002%	
52	7.138	7.124	7.173	VV	198	2901	0.03%	0.001%	
53	7.227	7.173	7.285	VV	6790	109347	0.96%	0.033%	
54	7.320	7.285	7.446	VV	259384	3223594	28.27%	0.984%	
55	7.463	7.446	7.496	VV	2572	52276	0.46%	0.016%	
56	7.531	7.496	7.585	VV	1636	61251	0.54%	0.019%	
57	7.602	7.585	7.621	VV	934	16961	0.15%	0.005%	
58	7.637	7.621	7.675	VV	1950	29359	0.26%	0.009%	
59	7.692	7.675	7.753	VV	422	16000	0.14%	0.005%	
60	7.762	7.753	7.779	VV	242	2776	0.02%	0.001%	
61	7.811	7.779	7.838	VV	630	10711	0.09%	0.003%	
62	7.852	7.838	7.887	VV	252	3368	0.03%	0.001%	
63	8.070	8.049	8.149	VV	2578	99849	0.88%	0.030%	
64	8.162	8.149	8.187	VV	849	16744	0.15%	0.005%	
65	8.212	8.187	8.228	VV	1515	23792	0.21%	0.007%	
66	8.239	8.228	8.255	VV	837	11902	0.10%	0.004%	
67	8.270	8.255	8.314	VV	955	20194	0.18%	0.006%	
68	8.340	8.314	8.366	VV	1162	22005	0.19%	0.007%	
69	8.385	8.366	8.403	VV	1081	14440	0.13%	0.004%	
70	8.445	8.403	8.462	VV	1419	26998	0.24%	0.008%	
71	8.477	8.462	8.490	VV	892	13365	0.12%	0.004%	
72	8.523	8.490	8.595	VV	311721	3413554	29.94%	1.042%	
73	8.625	8.595	8.798	VV	340716	3869365	33.94%	1.181%	
74	8.926	8.897	9.049	VV	346434	3974817	34.86%	1.214%	
75	9.062	9.049	9.108	VV	1970	51945	0.46%	0.016%	
76	9.114	9.108	9.138	VV	1047	15508	0.14%	0.005%	
77	9.174	9.138	9.193	VV	1794	37232	0.33%	0.011%	
78	9.218	9.193	9.328	VV	4762	133153	1.17%	0.041%	
79	9.350	9.328	9.376	VV	1710	28501	0.25%	0.009%	
80	9.389	9.376	9.465	VV	866	17802	0.16%	0.005%	
81	9.501	9.465	9.519	PV	1460	21175	0.19%	0.006%	
82	9.540	9.519	9.569	VV	1276	25259	0.22%	0.008%	
83	9.591	9.569	9.612	VV	1013	16588	0.15%	0.005%	
84	9.635	9.612	9.664	VV	934	15588	0.14%	0.005%	
85	9.720	9.664	9.791	PV	339003	3979090	34.90%	1.215%	
86	9.797	9.791	9.854	VV	4527	109674	0.96%	0.033%	
87	9.872	9.854	9.894	VV	3864	66925	0.59%	0.020%	
88	9.911	9.894	9.920	VV	2610	34577	0.30%	0.011%	
89	9.940	9.920	9.979	VV	5613	100646	0.88%	0.031%	

Instrument :

FID_G

ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

90	10.013	9.979	10.036	VV	7765	137065	1.20%	0.042%
91	10.051	10.036	10.097	VV	4954	102925		
92	10.136	10.097	10.275	VV	319670	3724237		
93	10.305	10.275	10.341	VV	1102	25195		
94	10.361	10.341	10.390	VV	486	6958		
95	10.409	10.390	10.435	VV	259	3408		
96	10.492	10.435	10.511	PV	4054	58327	0.51%	0.018%
97	10.525	10.511	10.550	VV	1571	22941	0.20%	0.007%
98	10.617	10.550	10.638	VV	3376	79237	0.69%	0.024%
99	10.656	10.638	10.701	VV	2397	43184	0.38%	0.013%
100	10.728	10.701	10.764	VV	3661	56716	0.50%	0.017%
101	10.796	10.764	10.839	VV	10426	197659	1.73%	0.060%
102	10.899	10.839	10.909	VV	4645	96038	0.84%	0.029%
103	10.937	10.909	10.973	VV	13679	307297	2.70%	0.094%
104	10.994	10.973	11.015	VV	3878	69289	0.61%	0.021%
105	11.032	11.015	11.051	VV	4191	53377	0.47%	0.016%
106	11.073	11.051	11.086	VV	2391	37194	0.33%	0.011%
107	11.133	11.086	11.180	VV	486273	5603898	49.15%	1.711%
108	11.208	11.180	11.341	VV	417203	5258621	46.12%	1.606%
109	11.354	11.341	11.372	VV	1627	26268	0.23%	0.008%
110	11.408	11.372	11.420	VV	3180	60020	0.53%	0.018%
111	11.441	11.420	11.491	VV	14415	264644	2.32%	0.081%
112	11.506	11.491	11.520	VV	2630	39216	0.34%	0.012%
113	11.539	11.520	11.551	VV	3585	52268	0.46%	0.016%
114	11.585	11.551	11.616	VV	321862	3781797	33.17%	1.155%
115	11.629	11.616	11.641	VV	3462	46897	0.41%	0.014%
116	11.671	11.641	11.708	VV	16593	275798	2.42%	0.084%
117	11.737	11.708	11.758	VV	6360	93257	0.82%	0.028%
118	11.780	11.758	11.815	VV	3484	83173	0.73%	0.025%
119	11.838	11.815	11.858	VV	2619	54656	0.48%	0.017%
120	11.900	11.858	11.925	VV	312016	3456383	30.31%	1.055%
121	11.941	11.925	11.955	VV	17510	214774	1.88%	0.066%
122	11.972	11.955	12.017	VV	23348	367668	3.22%	0.112%
123	12.053	12.017	12.074	VV	44193	642432	5.63%	0.196%
124	12.089	12.074	12.104	VV	16605	219551	1.93%	0.067%
125	12.121	12.104	12.169	VV	19360	325370	2.85%	0.099%
126	12.230	12.169	12.290	VV	6306	304020	2.67%	0.093%
127	12.315	12.290	12.390	VV	34312	721341	6.33%	0.220%
128	12.414	12.390	12.464	VV	17160	344179	3.02%	0.105%
129	12.477	12.464	12.491	VV	4049	60312	0.53%	0.018%
130	12.509	12.491	12.546	VV	15652	242261	2.12%	0.074%
131	12.560	12.546	12.585	VV	4546	78727	0.69%	0.024%
132	12.665	12.585	12.675	VV	6481	206002	1.81%	0.063%
133	12.687	12.675	12.718	VV	6436	136341	1.20%	0.042%
134	12.736	12.718	12.774	VV	11636	272936	2.39%	0.083%
135	12.803	12.774	12.825	VV	47262	647924	5.68%	0.198%
136	12.842	12.825	12.864	VV	22110	341952	3.00%	0.104%
137	12.901	12.864	12.931	VV	339449	4251915	37.29%	1.298%
138	12.969	12.931	13.016	VV	873899	10923412	95.80%	3.335%
139	13.035	13.016	13.084	VV	11293	296926	2.60%	0.091%
140	13.146	13.084	13.167	VV	28656	665641	5.84%	0.203%
141	13.187	13.167	13.230	VV	16091	401072	3.52%	0.122%

Instrument :

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ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

					rt	Area	Height	%Area	%Height
142	13.267	13.230	13.296	VV	785107	9852813	86.41%	3.008%	
143	13.346	13.296	13.411	VV	277221	4165392	36.41%	1.247%	
144	13.437	13.411	13.451	VV	17812	274329	2.41%	0.092%	
145	13.470	13.451	13.487	VV	37227	534281	4.61%	0.172%	
146	13.515	13.487	13.568	VV	316812	4378619	38.41%	1.308%	
147	13.592	13.568	13.637	VV	11739	301197	1.21%	0.044%	
148	13.662	13.637	13.698	VV	13571	337603	2.96%	0.103%	
149	13.724	13.698	13.779	VV	37592	809956	7.10%	0.247%	
150	13.853	13.779	13.902	VV	79154	1830952	16.06%	0.559%	
151	13.920	13.902	13.937	VV	16247	244852	2.15%	0.075%	
152	13.961	13.937	13.983	VV	50189	764072	6.70%	0.233%	
153	14.001	13.983	14.023	VV	41117	636764	5.58%	0.194%	
154	14.038	14.023	14.062	VV	24753	386737	3.39%	0.118%	
155	14.103	14.062	14.155	VV	320114	4897541	42.95%	1.495%	
156	14.174	14.155	14.220	VV	26552	632114	5.54%	0.193%	
157	14.251	14.220	14.270	VV	12824	324324	2.84%	0.099%	
158	14.295	14.270	14.318	VV	12809	323139	2.83%	0.099%	
159	14.335	14.318	14.404	VV	14466	528295	4.63%	0.161%	
160	14.445	14.404	14.478	VV	11253	400380	3.51%	0.122%	
161	14.490	14.478	14.505	VV	8585	128638	1.13%	0.039%	
162	14.548	14.505	14.558	VV	20258	494618	4.34%	0.151%	
163	14.564	14.558	14.579	VV	19493	224206	1.97%	0.068%	
164	14.603	14.579	14.645	VV	54525	1042346	9.14%	0.318%	
165	14.665	14.645	14.681	VV	17779	352135	3.09%	0.108%	
166	14.694	14.681	14.744	VV	19073	548727	4.81%	0.168%	
167	14.772	14.744	14.807	VV	63832	1182223	10.37%	0.361%	
168	14.834	14.807	14.863	VV	77199	1407245	12.34%	0.430%	
169	14.910	14.863	14.938	VV	44982	1233912	10.82%	0.377%	
170	14.957	14.938	15.001	VV	19920	614962	5.39%	0.188%	
171	15.021	15.001	15.085	VV	22459	808008	7.09%	0.247%	
172	15.108	15.085	15.120	VV	27451	428337	3.76%	0.131%	
173	15.154	15.120	15.176	VV	421144	6554341	57.48%	2.001%	
174	15.201	15.176	15.267	VV	697466	11402190	100.00%	3.482%	
175	15.311	15.267	15.333	VV	45496	1175558	10.31%	0.359%	
176	15.342	15.333	15.366	VV	28919	499672	4.38%	0.153%	
177	15.385	15.366	15.438	VV	23543	843841	7.40%	0.258%	
178	15.465	15.438	15.480	VV	28873	603647	5.29%	0.184%	
179	15.497	15.480	15.526	VV	35692	801786	7.03%	0.245%	
180	15.545	15.526	15.574	VV	26722	669389	5.87%	0.204%	
181	15.603	15.574	15.681	VV	39293	1783413	15.64%	0.545%	
182	15.728	15.681	15.758	VV	26550	1122108	9.84%	0.343%	
183	15.783	15.758	15.805	VV	26866	695750	6.10%	0.212%	
184	15.827	15.805	15.849	VV	74127	1226268	10.75%	0.374%	
185	15.865	15.849	15.900	VV	38478	904306	7.93%	0.276%	
186	15.985	15.900	16.028	VV	41755	2314138	20.30%	0.707%	
187	16.058	16.028	16.094	VV	40759	1218514	10.69%	0.372%	
188	16.106	16.094	16.135	VV	25703	606867	5.32%	0.185%	
189	16.152	16.135	16.188	VV	31555	851034	7.46%	0.260%	
190	16.238	16.188	16.269	VV	313886	4995470	43.81%	1.525%	
191	16.282	16.269	16.312	VV	29238	718470	6.30%	0.219%	
192	16.330	16.312	16.351	VV	26792	590283	5.18%	0.180%	
193	16.365	16.351	16.378	VV	26661	406450	3.56%	0.124%	
194	16.429	16.378	16.449	VV	33751	1245013	10.92%	0.380%	

							Instrument : FID_G	
							ClientSampleId : ETGI-275MS	
195	16.468	16.449	16.488	VV	37815	777512	6.82%	0.237%
							Manual IntegrationsAPPROVED	
196	16.512	16.488	16.545	VV	39162	1183943	10.36%	0.361%
197	16.577	16.545	16.603	VV	40570	1274721	12.72%	0.443%
198	16.629	16.603	16.654	VV	49684	1284188	11.07%	0.351%
199	16.672	16.654	16.687	VV	43226	780658	6.07%	0.211%
200	16.725	16.687	16.741	VV	452777	7416189	65.37%	1.858%
201	16.754	16.741	16.827	VV	401732	6089791	53.41%	1.859%
202	16.853	16.827	16.873	VV	55196	1181239	10.36%	0.361%
203	16.885	16.873	16.938	VV	41240	1449989	12.72%	0.443%
204	16.949	16.938	16.956	VV	36469	375524	3.29%	0.115%
205	17.010	16.956	17.027	VV	151222	3045689	26.71%	0.930%
206	17.043	17.027	17.072	VV	141367	2342593	20.55%	0.715%
207	17.105	17.072	17.148	VV	339637	5691199	49.91%	1.738%
208	17.189	17.148	17.245	VV	297195	6107080	53.56%	1.865%
209	17.262	17.245	17.281	VV	43763	892841	7.83%	0.273%
210	17.301	17.281	17.331	VV	45647	1242077	10.89%	0.379%
211	17.352	17.331	17.397	VV	45502	1617781	14.19%	0.494%
212	17.446	17.397	17.488	VV	47207	2277284	19.97%	0.695%
213	17.491	17.488	17.537	VV	45390	1148734	10.07%	0.351%
214	17.633	17.537	17.664	VV	48536	3076801	26.98%	0.939%
215	17.678	17.664	17.725	VV	37478	1328507	11.65%	0.406%
216	17.768	17.725	17.790	VV	42315	1514597	13.28%	0.462%
217	17.801	17.790	17.852	VV	38879	1318061	11.56%	0.402%
218	17.923	17.852	17.951	VV	38506	2073787	18.19%	0.633%
219	17.966	17.951	17.995	VV	37444	934780	8.20%	0.285%
220	18.003	17.995	18.027	VV	35800	692538	6.07%	0.211%
221	18.080	18.027	18.141	VV	300018	6085720	53.37%	1.858%
222	18.214	18.141	18.245	VV	44813	2608138	22.87%	0.796%
223	18.258	18.245	18.281	VV	44731	919059	8.06%	0.281%
224	18.294	18.281	18.338	VV	40257	1265251	11.10%	0.386%
225	18.388	18.338	18.434	VV	56385	2491935	21.85%	0.761%
226	18.485	18.434	18.501	VV	321946	5558337	48.75%	1.697%
227	18.517	18.501	18.571	VV	252110	4866923	42.68%	1.486%
228	18.585	18.571	18.600	VV	48114	802201	7.04%	0.245%
229	18.616	18.600	18.631	VV	49000	874939	7.67%	0.267%
230	18.648	18.631	18.681	VV	45995	1272498	11.16%	0.389%
231	18.740	18.681	18.809	VV	286859	6523741	57.21%	1.992%
232	18.823	18.809	18.857	VV	41138	1108497	9.72%	0.338%
233	18.912	18.857	18.963	VV	277670	5848956	51.30%	1.786%
234	19.009	18.963	19.029	VV	50621	1617683	14.19%	0.494%
235	19.056	19.029	19.127	VV	42149	2270638	19.91%	0.693%
236	19.178	19.127	19.241	VV	41834	2601878	22.82%	0.794%
237	19.271	19.241	19.369	VV	57238	3448846	30.25%	1.053%
238	19.390	19.369	19.411	VV	42040	980211	8.60%	0.299%
239	19.442	19.411	19.478	VV	45537	1611109	14.13%	0.492%
240	19.486	19.478	19.490	VV	38681	277857	2.44%	0.085%
241	19.499	19.490	19.521	VV	40928	726900	6.38%	0.222%
242	19.563	19.521	19.588	VV	38068	1493015	13.09%	0.456%
243	19.601	19.588	19.631	VV	38715	937428	8.22%	0.286%
244	19.698	19.631	19.746	VV	263009	5978313	52.43%	1.825%
245	19.756	19.746	19.780	VV	46451	853489	7.49%	0.261%
246	19.811	19.780	19.822	VV	41587	992777	8.71%	0.303%

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247	19.828	19.822	19.848	VV	39380	588972	5.17%	0.180%	
248	19.874	19.848	19.888	VV	39831	924628			
249	19.910	19.888	19.937	VV	46632	1255411	11.8%		
250	19.979	19.937	20.011	VV	51140	1903616	10.6%		
251	20.040	20.011	20.085	VV	47548	1892815	16.8%		
252	20.115	20.085	20.174	VV	42719	2078221	18.8%		
253	20.207	20.174	20.257	VV	38594	1808766	15.86%	0.552%	
254	20.309	20.257	20.397	VV	46731	3373321	29.58%	1.030%	
255	20.439	20.397	20.485	VV	250617	5096700	44.70%	1.556%	
256	20.501	20.485	20.522	VV	41149	848587	7.44%	0.259%	
257	20.545	20.522	20.555	VV	39322	751773	6.59%	0.230%	
258	20.573	20.555	20.625	VV	39664	1581122	13.87%	0.483%	
259	20.634	20.625	20.689	VV	37347	1364221	11.96%	0.417%	
260	20.713	20.689	20.757	VV	34944	1393690	12.22%	0.426%	
261	20.801	20.757	20.838	VV	35988	1650635	14.48%	0.504%	
262	20.847	20.838	20.871	VV	32392	616838	5.41%	0.188%	
263	20.883	20.871	20.909	VV	31441	696207	6.11%	0.213%	
264	20.919	20.909	20.938	VV	31246	530820	4.66%	0.162%	
265	20.951	20.938	21.011	VV	29527	1210667	10.62%	0.370%	
266	21.025	21.011	21.055	VV	27212	669812	5.87%	0.205%	
267	21.069	21.055	21.085	VV	26076	456234	4.00%	0.139%	
268	21.094	21.085	21.128	VV	25536	635767	5.58%	0.194%	
269	21.181	21.128	21.285	VV	190763	5038108	44.19%	1.538%	
270	21.291	21.285	21.305	VV	18285	215724	1.89%	0.066%	
271	21.341	21.305	21.378	VV	18973	774433	6.79%	0.236%	
272	21.396	21.378	21.422	VV	17347	437973	3.84%	0.134%	
273	21.429	21.422	21.539	VV	16883	966584	8.48%	0.295%	
274	21.552	21.539	21.569	VV	11524	193760	1.70%	0.059%	
275	21.579	21.569	21.587	VV	10215	108432	0.95%	0.033%	
276	21.622	21.587	21.633	VV	11570	291861	2.56%	0.089%	
277	21.654	21.633	21.665	VV	11143	202267	1.77%	0.062%	
278	21.672	21.665	21.681	VV	11187	103339	0.91%	0.032%	
279	21.693	21.681	21.720	VV	10578	234713	2.06%	0.072%	
280	21.730	21.720	21.767	VV	10280	267083	2.34%	0.082%	
281	21.777	21.767	21.950	VV	8862	597125	5.24%	0.182%	
282	21.963	21.950	22.008	VV	2075	39460	0.35%	0.012%	
283	22.100	22.008	22.161	VV	128175	3133490	27.48%	0.957%	
284	22.178	22.161	22.191	PV	537	5695	0.05%	0.002%	
Sum of corrected areas:					327499868				

Instrument :

FID_G

ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Aliphatic EPH 041725.M Wed Apr 23 02:59:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015740.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 16:45
 Operator : YP\AJ
 Sample : Q1848-03MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

ETGI-275MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:44:03 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.902	3294434	22.724 ug/ml
Spiked Amount 50.000		Recovery =	45.45%
12) S 1-chlorooctadecane (S...	13.347	3374845	31.913 ug/ml
Spiked Amount 50.000		Recovery =	63.83%
Target Compounds			
1) T n-Nonane (C9)	3.243	2505780	22.423 ug/ml
2) T n-Decane (C10)	4.505	2737194	24.410 ug/ml
3) T A~Naphthalene (C11.7)	6.218	3204530	27.621 ug/ml
4) T n-Dodecane (C12)	6.686	2977025	26.037 ug/ml
5) T A~2-methylnaphthalene...	7.320	3051315	27.409 ug/ml
6) T n-Tetradecane (C14)	8.524	3275546	28.744 ug/ml
7) T n-Hexadecane (C16)	10.136	3489085	29.839 ug/ml
8) T n-Octadecane (C18)	11.585	3631276	30.357 ug/ml
10) T n-Eicosane (C20)	12.902	4059360	34.113 ug/ml
11) T n-Heneicosane (C21)	13.516	4135972	34.967 ug/ml
13) T n-Docosane (C22)	14.103	4489007	38.494 ug/ml
14) T n-Tetracosane (C24)	15.202	10459525	90.757 ug/ml
15) T n-Hexacosane (C26)	16.238	3972231	35.571 ug/ml
16) T n-Octacosane (C28)	17.187	3915271	35.976 ug/ml
17) T n-Tricontane (C30)	18.080	4004292	36.763 ug/ml
18) T n-Dotriacontane (C32)	18.914	3666183	34.078 ug/ml
19) T n-Tetratriacontane (C34)	19.699	3539843	34.741 ug/ml
20) T n-Hexatriacontane (C36)	20.440	3109609	31.789 ug/ml
21) T n-Octatriacontane (C38)	21.180	3022444	33.113 ug/ml
22) T n-Tetracontane (C40)	22.102	3037178	35.963 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
Data File : FG015740.D
Signal(s) : FID1A.ch
Acq On : 22 Apr 2025 16:45
Operator : YP\AJ
Sample : Q1848-03MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

FID_G

Client SampleId :

ETGI-275MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:44:03 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

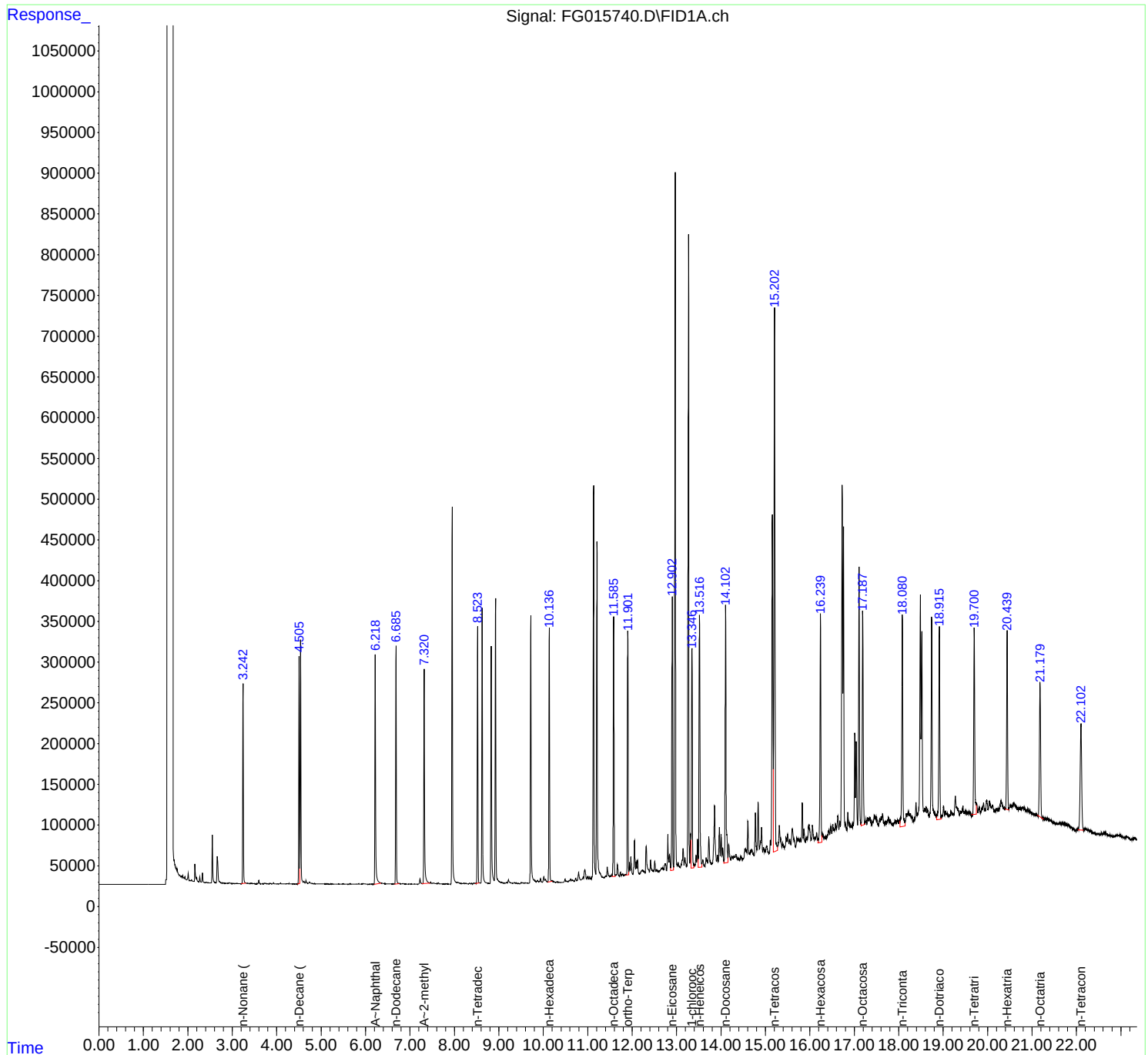
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_G

ClientSampleId :

ETGI-275MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG04222

Data File : FG015740.D

Signal(s) : FID1A.ch

Acq On : 22 Apr 2025 16:45

Sample : Q1848-03MSD

Misc :

ALS Vial : 27 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.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	3.243	3.221	3.372	BV	244434	2491432	22.42%	0.789%
2	3.386	3.372	3.417	PV	105	1414	0.01%	0.000%
3	3.434	3.417	3.478	VV	507	6958	0.06%	0.002%
4	3.486	3.478	3.508	VV	140	1354	0.01%	0.000%
5	3.525	3.508	3.541	PV	126	1218	0.01%	0.000%
6	3.598	3.541	3.671	PV	4524	51435	0.46%	0.016%
7	3.731	3.671	3.816	PV	892	21069	0.19%	0.007%
8	3.851	3.816	3.908	VV	474	11271	0.10%	0.004%
9	3.929	3.908	4.031	VV	1538	19069	0.17%	0.006%
10	4.044	4.031	4.064	PV	206	2247	0.02%	0.001%
11	4.086	4.064	4.144	VV	1215	14835	0.13%	0.005%
12	4.160	4.144	4.195	VV	140	3324	0.03%	0.001%
13	4.233	4.195	4.259	VV	514	11653	0.10%	0.004%
14	4.274	4.259	4.356	VV	423	11204	0.10%	0.004%
15	4.377	4.356	4.410	VV	123	2583	0.02%	0.001%
16	4.422	4.410	4.470	VV	130	2331	0.02%	0.001%
17	4.505	4.470	4.522	VV	279398	2748380	24.73%	0.870%
18	4.539	4.522	4.599	VV	299017	3022898	27.20%	0.957%
19	4.615	4.599	4.641	VV	3600	60699	0.55%	0.019%
20	4.661	4.641	4.715	VV	4314	80462	0.72%	0.025%
21	4.739	4.715	4.855	VV	2755	84807	0.76%	0.027%
22	4.865	4.855	4.931	VV	440	14740	0.13%	0.005%
23	4.936	4.931	4.958	VV	331	4768	0.04%	0.002%
24	4.970	4.958	5.007	VV	317	8332	0.07%	0.003%
25	5.017	5.007	5.084	VV	347	12113	0.11%	0.004%
26	5.091	5.084	5.104	VV	230	2353	0.02%	0.001%
27	5.113	5.104	5.161	VV	201	5700	0.05%	0.002%
28	5.169	5.161	5.200	VV	194	3581	0.03%	0.001%
29	5.217	5.200	5.253	VV	281	5769	0.05%	0.002%
30	5.264	5.253	5.321	VV	225	4734	0.04%	0.001%
31	5.329	5.321	5.341	VV	146	1382	0.01%	0.000%
32	5.355	5.341	5.366	VV	149	1625	0.01%	0.001%
33	5.395	5.366	5.446	VV	255	6455	0.06%	0.002%
34	5.495	5.446	5.566	VV	352	11510	0.10%	0.004%
35	5.584	5.566	5.617	VV	210	2242	0.02%	0.001%
36	5.652	5.617	5.695	PV	794	11976	0.11%	0.004%

37	5.705	5.695	5.718	VV	93	809	0.01%	0.000%
38	5.795	5.718	5.825	VV	259	9845		
39	5.842	5.825	5.898	VV	584	10441		
40	5.946	5.898	6.085	VV	602	33330		
41	6.089	6.085	6.095	VV	69	324		
42	6.118	6.095	6.165	VV	276	4401		
43	6.172	6.165	6.188	PV	96	808	0.01%	0.000%
44	6.218	6.188	6.495	VV	280577	3354294	30.18%	1.062%
45	6.504	6.495	6.528	VV	461	7941	0.07%	0.003%
46	6.539	6.528	6.556	VV	494	7591	0.07%	0.002%
47	6.576	6.556	6.651	VV	487	20121	0.18%	0.006%
48	6.686	6.651	6.821	VV	291475	3038224	27.34%	0.962%
49	6.840	6.821	6.903	VV	790	21059	0.19%	0.007%
50	6.914	6.903	6.926	VV	287	3172	0.03%	0.001%
51	6.972	6.926	6.998	VV	322	9529	0.09%	0.003%
52	7.015	6.998	7.068	VV	399	10424	0.09%	0.003%
53	7.099	7.068	7.127	VV	329	7000	0.06%	0.002%
54	7.138	7.127	7.171	VV	254	3678	0.03%	0.001%
55	7.227	7.171	7.288	PV	6888	111125	1.00%	0.035%
56	7.320	7.288	7.448	VV	264016	3155558	28.40%	0.999%
57	7.464	7.448	7.500	VV	2555	51580	0.46%	0.016%
58	7.529	7.500	7.588	VV	1585	57901	0.52%	0.018%
59	7.603	7.588	7.619	VV	957	14894	0.13%	0.005%
60	7.638	7.619	7.677	VV	1971	31618	0.28%	0.010%
61	7.694	7.677	7.755	VV	493	16918	0.15%	0.005%
62	7.760	7.755	7.788	VV	217	3350	0.03%	0.001%
63	7.811	7.788	7.850	VV	705	12761	0.11%	0.004%
64	7.860	7.850	7.895	VV	211	2554	0.02%	0.001%
65	8.070	8.055	8.155	VV	2467	88566	0.80%	0.028%
66	8.165	8.155	8.190	VV	757	13561	0.12%	0.004%
67	8.212	8.190	8.258	VV	1350	32328	0.29%	0.010%
68	8.270	8.258	8.314	VV	895	16927	0.15%	0.005%
69	8.341	8.314	8.367	VV	1096	21470	0.19%	0.007%
70	8.386	8.367	8.403	VV	987	13117	0.12%	0.004%
71	8.445	8.403	8.462	VV	1387	26413	0.24%	0.008%
72	8.477	8.462	8.490	VV	914	12502	0.11%	0.004%
73	8.523	8.490	8.562	VV	314305	3313747	29.82%	1.049%
74	8.570	8.562	8.593	VV	1394	22596	0.20%	0.007%
75	8.626	8.593	8.791	VV	335205	3779483	34.01%	1.197%
76	8.927	8.897	9.049	VV	351192	3873340	34.85%	1.227%
77	9.062	9.049	9.101	VV	1870	46407	0.42%	0.015%
78	9.115	9.101	9.145	VV	1093	23109	0.21%	0.007%
79	9.174	9.145	9.192	VV	1858	33896	0.31%	0.011%
80	9.217	9.192	9.327	VV	4725	133110	1.20%	0.042%
81	9.351	9.327	9.378	VV	1654	28852	0.26%	0.009%
82	9.389	9.378	9.429	VV	865	14924	0.13%	0.005%
83	9.440	9.429	9.463	VV	257	3216	0.03%	0.001%
84	9.502	9.463	9.520	PV	1470	21824	0.20%	0.007%
85	9.541	9.520	9.570	VV	1260	24649	0.22%	0.008%
86	9.591	9.570	9.618	VV	963	16929	0.15%	0.005%
87	9.636	9.618	9.664	VV	836	12780	0.11%	0.004%
88	9.720	9.664	9.789	PV	328864	3886924	34.98%	1.231%
89	9.797	9.789	9.854	VV	4283	107815	0.97%	0.034%

Instrument :

FID_G

ClientSampleId :

ETGI-275MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

							Instrument : FID_G		A
							ClientSampleId : ETGI-275MSD		
							Manual IntegrationsAPPROVED		
90	9.872	9.854	9.893	VV	3682	63269	0.57%	0.020%	B
91	9.911	9.893	9.921	VV	2449	34187			
92	9.939	9.921	9.978	VV	5611	97105			
93	10.013	9.978	10.036	VV	7911	136023			C
94	10.050	10.036	10.095	VV	4724	97161			
95	10.136	10.095	10.228	VV	313547	3610200			
96	10.239	10.228	10.274	VV	1390	26001	0.23%	0.008%	D
97	10.304	10.274	10.345	VV	1046	24869	0.22%	0.008%	
98	10.357	10.345	10.390	VV	299	5059	0.05%	0.002%	
99	10.411	10.390	10.433	PV	210	2990	0.03%	0.001%	E
100	10.492	10.433	10.511	PV	3999	55317	0.50%	0.018%	
101	10.525	10.511	10.552	VV	1522	23234	0.21%	0.007%	
102	10.585	10.552	10.595	VV	1658	25526	0.23%	0.008%	F
103	10.617	10.595	10.638	VV	3410	54834	0.49%	0.017%	
104	10.657	10.638	10.704	VV	2405	44894	0.40%	0.014%	
105	10.728	10.704	10.764	PV	3608	56674	0.51%	0.018%	G
106	10.796	10.764	10.848	VV	10459	204718	1.84%	0.065%	
107	10.900	10.848	10.911	VV	4515	90701	0.82%	0.029%	
108	10.938	10.911	10.973	VV	13284	297233	2.67%	0.094%	H
109	10.995	10.973	11.017	VV	3773	68986	0.62%	0.022%	
110	11.034	11.017	11.051	VV	4268	51710	0.47%	0.016%	
111	11.072	11.051	11.086	VV	2207	36101	0.32%	0.011%	I
112	11.133	11.086	11.180	VV	483654	5476741	49.28%	1.734%	
113	11.209	11.180	11.337	VV	408809	5131390	46.18%	1.625%	
114	11.351	11.337	11.371	VV	1490	25430	0.23%	0.008%	J
115	11.407	11.371	11.420	VV	2853	56638	0.51%	0.018%	
116	11.441	11.420	11.491	VV	13483	253246	2.28%	0.080%	
117	11.505	11.491	11.525	VV	2188	38959	0.35%	0.012%	
118	11.539	11.525	11.551	VV	3514	42394	0.38%	0.013%	
119	11.585	11.551	11.641	VV	317709	3725432	33.52%	1.180%	
120	11.672	11.641	11.711	VV	15604	261408	2.35%	0.083%	
121	11.737	11.711	11.758	VV	5683	80883	0.73%	0.026%	
122	11.777	11.758	11.813	VV	2912	68862	0.62%	0.022%	
123	11.841	11.813	11.851	VV	2470	41286	0.37%	0.013%	
124	11.901	11.851	11.926	VV	301116	3363805	30.27%	1.065%	
125	11.941	11.926	11.956	VV	16836	204953	1.84%	0.065%	
126	11.973	11.956	12.016	VV	23091	343816	3.09%	0.109%	
127	12.054	12.016	12.075	VV	42999	614334	5.53%	0.195%	
128	12.090	12.075	12.104	VV	15881	207051	1.86%	0.066%	
129	12.121	12.104	12.169	VV	18191	303599	2.73%	0.096%	
130	12.229	12.169	12.255	VV	5849	194939	1.75%	0.062%	
131	12.261	12.255	12.291	VV	3776	67928	0.61%	0.022%	
132	12.316	12.291	12.390	VV	34059	680347	6.12%	0.215%	
133	12.415	12.390	12.463	VV	16702	313001	2.82%	0.099%	
134	12.477	12.463	12.489	VV	3549	49059	0.44%	0.016%	
135	12.509	12.489	12.546	VV	14740	217991	1.96%	0.069%	
136	12.563	12.546	12.588	VV	3907	67469	0.61%	0.021%	
137	12.663	12.588	12.678	VV	5596	174402	1.57%	0.055%	
138	12.689	12.678	12.718	VV	5679	109075	0.98%	0.035%	
139	12.736	12.718	12.775	VV	10482	248426	2.24%	0.079%	
140	12.804	12.775	12.826	VV	45873	618114	5.56%	0.196%	
141	12.842	12.826	12.865	VV	20961	321402	2.89%	0.102%	

rteres									
142	12.902	12.865	12.932	VV	335408	4122133	37.09%	1.305%	
143	12.970	12.932	13.020	VV	858178	10647545	95.24%	1.305%	
144	13.035	13.020	13.085	VV	10409	254034	2.40%	1.305%	
145	13.147	13.085	13.168	VV	26965	611951	5.54%	1.305%	
146	13.188	13.168	13.229	VV	15379	360508	3.95%	1.305%	
147	13.269	13.229	13.296	VV	770596	9593776	86.00%	1.305%	
148	13.347	13.296	13.384	VV	269095	3922975	35.30%	1.242%	
149	13.396	13.384	13.416	VV	5931	103802	0.93%	0.033%	
150	13.438	13.416	13.451	VV	16920	232665	2.09%	0.074%	
151	13.471	13.451	13.488	VV	36700	510200	4.59%	0.162%	
152	13.515	13.488	13.568	VV	309798	4231571	38.08%	1.340%	
153	13.590	13.568	13.641	VV	10358	260927	2.35%	0.083%	
154	13.664	13.641	13.700	VV	12416	295696	2.66%	0.094%	
155	13.725	13.700	13.778	VV	38101	741268	6.67%	0.235%	
156	13.854	13.778	13.900	VV	75435	1723035	15.50%	0.546%	
157	13.920	13.900	13.937	VV	14747	231713	2.09%	0.073%	
158	13.962	13.937	13.983	VV	48025	725375	6.53%	0.230%	
159	14.002	13.983	14.023	VV	39517	595390	5.36%	0.189%	
160	14.038	14.023	14.064	VV	22611	362541	3.26%	0.115%	
161	14.103	14.064	14.155	VV	317957	4719672	42.47%	1.495%	
162	14.175	14.155	14.219	VV	25560	574739	5.17%	0.182%	
163	14.254	14.219	14.271	VV	11036	298287	2.68%	0.094%	
164	14.294	14.271	14.311	VV	10721	240552	2.16%	0.076%	
165	14.335	14.311	14.418	VV	13439	559322	5.03%	0.177%	
166	14.444	14.418	14.478	VV	9916	285319	2.57%	0.090%	
167	14.491	14.478	14.505	VV	7585	113294	1.02%	0.036%	
168	14.544	14.505	14.556	VV	18529	431130	3.88%	0.137%	
169	14.564	14.556	14.581	VV	17516	241816	2.18%	0.077%	
170	14.603	14.581	14.647	VV	52483	966657	8.70%	0.306%	
171	14.668	14.647	14.681	VV	16191	299910	2.70%	0.095%	
172	14.695	14.681	14.745	VV	16718	506634	4.56%	0.160%	
173	14.772	14.745	14.807	VV	61538	1118924	10.07%	0.354%	
174	14.834	14.807	14.868	VV	74920	1379951	12.42%	0.437%	
175	14.911	14.868	14.939	VV	42899	1107004	9.96%	0.351%	
176	14.957	14.939	14.979	VV	17952	371857	3.35%	0.118%	
177	15.023	14.979	15.081	VV	20046	889036	8.00%	0.282%	
178	15.109	15.081	15.120	VV	25885	421877	3.80%	0.134%	
179	15.155	15.120	15.176	VV	421589	6410413	57.68%	2.030%	
180	15.201	15.176	15.268	VV	676446	11112915	100.00%	3.519%	
181	15.311	15.268	15.366	VV	43413	1543317	13.89%	0.489%	
182	15.385	15.366	15.436	VV	20453	763405	6.87%	0.242%	
183	15.466	15.436	15.480	VV	27174	572228	5.15%	0.181%	
184	15.497	15.480	15.528	VV	31774	759731	6.84%	0.241%	
185	15.548	15.528	15.573	VV	25023	587671	5.29%	0.186%	
186	15.603	15.573	15.679	VV	37224	1634037	14.70%	0.517%	
187	15.718	15.679	15.765	VV	25164	1147617	10.33%	0.363%	
188	15.782	15.765	15.800	VV	24906	491081	4.42%	0.156%	
189	15.828	15.800	15.850	VV	68479	1231075	11.08%	0.390%	
190	15.865	15.850	15.897	VV	35752	778064	7.00%	0.246%	
191	15.983	15.897	16.025	VV	40845	2169221	19.52%	0.687%	
192	16.057	16.025	16.101	VV	38089	1269677	11.43%	0.402%	
193	16.109	16.101	16.130	VV	23686	401904	3.62%	0.127%	
194	16.153	16.130	16.181	VV	29859	753223	6.78%	0.239%	

Instrument :

FID_G

ClientSampleId :

ETGI-275MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

							Instrument : FID_G	
							ClientSampleId : ETGI-275MSD	
195	16.237	16.181	16.268	VV	298235	4863135	43.76%	1.540%
							Manual IntegrationsAPPROVED	
196	16.282	16.268	16.318	VV	26820	756478		
197	16.330	16.318	16.350	VV	24114	439658		
198	16.363	16.350	16.382	VV	24052	455970		
199	16.427	16.382	16.448	VV	31355	1075823		
200	16.469	16.448	16.492	VV	35954	809487		
							Reviewed By :Yogesh Patel 04/23/2025 Supervised By :mohammad ahmed 04/24/2025	
201	16.513	16.492	16.548	VV	37814	1105250	9.95%	0.350%
202	16.578	16.548	16.598	VV	38361	1030645	9.27%	0.326%
203	16.629	16.598	16.653	VV	46774	1295287	11.66%	0.410%
204	16.673	16.653	16.687	VV	39947	746427	6.72%	0.236%
205	16.726	16.687	16.741	VV	449476	7253056	65.27%	2.297%
206	16.756	16.741	16.825	VV	394619	5844750	52.59%	1.851%
207	16.853	16.825	16.874	VV	50733	1183973	10.65%	0.375%
208	16.886	16.874	16.901	VV	38796	589433	5.30%	0.187%
209	16.915	16.901	16.931	VV	35032	605456	5.45%	0.192%
210	16.946	16.931	16.961	VV	34270	592952	5.34%	0.188%
211	17.010	16.961	17.027	VV	147426	2807987	25.27%	0.889%
212	17.043	17.027	17.075	VV	136598	2286761	20.58%	0.724%
213	17.106	17.075	17.151	VV	352345	5554216	49.98%	1.759%
214	17.189	17.151	17.238	VV	295923	5681218	51.12%	1.799%
215	17.262	17.238	17.278	VV	41030	890530	8.01%	0.282%
216	17.299	17.278	17.328	VV	42268	1159326	10.43%	0.367%
217	17.350	17.328	17.388	VV	41807	1382501	12.44%	0.438%
218	17.449	17.388	17.471	VV	43059	1921241	17.29%	0.608%
219	17.486	17.471	17.544	VV	42370	1619515	14.57%	0.513%
220	17.568	17.544	17.585	VV	38592	871559	7.84%	0.276%
221	17.603	17.585	17.618	VV	41188	800489	7.20%	0.254%
222	17.636	17.618	17.677	VV	44908	1345358	12.11%	0.426%
223	17.695	17.677	17.715	VV	34873	748045	6.73%	0.237%
224	17.731	17.715	17.741	VV	35366	544463	4.90%	0.172%
225	17.765	17.741	17.785	VV	39979	976341	8.79%	0.309%
226	17.802	17.785	17.865	VV	36817	1584257	14.26%	0.502%
227	17.921	17.865	17.949	VV	34979	1654494	14.89%	0.524%
228	17.976	17.949	18.000	VV	35506	1026820	9.24%	0.325%
229	18.012	18.000	18.031	VV	35082	639087	5.75%	0.202%
230	18.080	18.031	18.141	VV	287476	5758397	51.82%	1.824%
231	18.173	18.141	18.203	VV	42389	1420929	12.79%	0.450%
232	18.217	18.203	18.238	VV	44006	873395	7.86%	0.277%
233	18.257	18.238	18.295	VV	41832	1333852	12.00%	0.422%
234	18.303	18.295	18.325	VV	37965	634761	5.71%	0.201%
235	18.388	18.325	18.411	VV	54300	2048800	18.44%	0.649%
236	18.486	18.411	18.502	VV	305594	6065580	54.58%	1.921%
237	18.519	18.502	18.563	VV	263130	4578431	41.20%	1.450%
238	18.584	18.563	18.598	VV	45463	927002	8.34%	0.294%
239	18.615	18.598	18.633	VV	47794	932707	8.39%	0.295%
240	18.648	18.633	18.685	VV	45432	1279949	11.52%	0.405%
241	18.741	18.685	18.838	VV	279333	6889023	61.99%	2.182%
242	18.913	18.838	18.971	VV	269029	6226231	56.03%	1.972%
243	19.009	18.971	19.035	VV	46920	1488135	13.39%	0.471%
244	19.057	19.035	19.128	VV	39981	2045187	18.40%	0.648%
245	19.181	19.128	19.244	VV	39060	2517980	22.66%	0.797%
246	19.273	19.244	19.372	VV	57432	3279489	29.51%	1.039%

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247	19.445	19.372	19.475	VV	44155	2361628	21.25%	0.748%	
248	19.503	19.475	19.529	VV	38935	1179406	10.00%	0.000%	
249	19.539	19.529	19.548	VV	35863	404410	3.00%	0.000%	
250	19.570	19.548	19.655	VV	36563	2202584	19.00%	0.600%	
251	19.698	19.655	19.781	VV	258246	6212592	58.00%	1.754%	
252	19.808	19.781	19.844	VV	40699	1410548	12.00%	0.360%	
253	19.866	19.844	19.887	VV	39931	988019	8.89%	0.313%	
254	19.908	19.887	19.951	VV	45758	1538938	13.85%	0.487%	
255	19.982	19.951	20.018	VV	49358	1696094	15.26%	0.537%	
256	20.039	20.018	20.088	VV	46700	1778459	16.00%	0.563%	
257	20.115	20.088	20.162	VV	41264	1677125	15.09%	0.531%	
258	20.235	20.162	20.259	VV	37269	2090612	18.81%	0.662%	
259	20.303	20.259	20.358	VV	45518	2392037	21.52%	0.758%	
260	20.375	20.358	20.401	VV	38034	953831	8.58%	0.302%	
261	20.439	20.401	20.479	VV	251665	4726905	42.54%	1.497%	
262	20.511	20.479	20.550	VV	39435	1604213	14.44%	0.508%	
263	20.559	20.550	20.565	VV	40110	357081	3.21%	0.113%	
264	20.601	20.565	20.621	VV	41236	1347155	12.12%	0.427%	
265	20.627	20.621	20.705	VV	38822	1777359	15.99%	0.563%	
266	20.732	20.705	20.754	VV	35026	1002298	9.02%	0.317%	
267	20.785	20.754	20.855	VV	35223	2053970	18.48%	0.650%	
268	20.864	20.855	20.891	VV	32116	684964	6.16%	0.217%	
269	20.907	20.891	21.043	VV	32170	2609943	23.49%	0.827%	
270	21.057	21.043	21.077	VV	26817	523208	4.71%	0.166%	
271	21.103	21.077	21.136	VV	25715	865002	7.78%	0.274%	
272	21.180	21.136	21.255	VV	182542	4533328	40.79%	1.436%	
273	21.265	21.255	21.296	VV	19602	473928	4.26%	0.150%	
274	21.313	21.296	21.325	VV	18973	316847	2.85%	0.100%	
275	21.340	21.325	21.392	VV	18614	701584	6.31%	0.222%	
276	21.398	21.392	21.577	VV	16805	1479928	13.32%	0.469%	
277	21.587	21.577	21.596	VV	11375	120781	1.09%	0.038%	
278	21.624	21.596	21.645	VV	11871	330211	2.97%	0.105%	
279	21.657	21.645	21.682	VV	11892	245477	2.21%	0.078%	
280	21.696	21.682	21.717	VV	10752	215639	1.94%	0.068%	
281	21.742	21.717	21.770	VV	10938	311705	2.80%	0.099%	
282	21.783	21.770	21.826	VV	9057	265505	2.39%	0.084%	
283	21.834	21.826	21.991	VV	8232	360626	3.25%	0.114%	
284	22.101	21.991	22.178	VV	128896	3123042	28.10%	0.989%	
285	22.186	22.178	22.192	PV	1420	5573	0.05%	0.002%	

Instrument :

FID_G

ClientSampleId :

ETGI-275MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Sum of corrected areas: 315769885

Aliphatic EPH 041725.M Wed Apr 23 03:00:13 2025

Manual Integration Report

Sequence:

FE041725AL

Instrument

FID_e

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FE042225AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1832-34DL	FE053458.D	1-chlorooctadecane (SURR)	yogesh	4/22/2025 2:53:20 PM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053461.D	n-Hexatriacontane (C36)	yogesh	4/23/2025 7:47:23 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053461.D	n-Octatriacontane (C38)	yogesh	4/23/2025 7:47:23 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053461.D	n-Tetracontane (C40)	yogesh	4/23/2025 7:47:23 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
Q1842-41	FE053477.D	1-chlorooctadecane (SURR)	yogesh	4/23/2025 7:47:21 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053479.D	n-Dotriacontane (C32)	yogesh	4/23/2025 7:47:24 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053479.D	n-Hexatriacontane (C36)	yogesh	4/23/2025 7:47:24 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053479.D	n-Octatriacontane (C38)	yogesh	4/23/2025 7:47:24 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
Q1848-02	FE053481.D	1-chlorooctadecane (SURR)	yogesh	4/23/2025 7:47:26 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053489.D	n-Dotriacontane (C32)	yogesh	4/23/2025 7:48:06 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053489.D	n-Hexatriacontane (C36)	yogesh	4/23/2025 7:48:06 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053489.D	n-Octatriacontane (C38)	yogesh	4/23/2025 7:48:06 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053489.D	n-Tetracontane (C40)	yogesh	4/23/2025 7:48:06 AM	mohammad	4/24/2025 6:34:11	Peak Integrated by Software



Manual Integration Report

Sequence:	FE042225AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:

FG041725AL

Instrument

FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167630BS	FG015690.D	n-Tetracosane (C24)	yogesh	4/18/2025 7:31:59 AM	mohammad	4/21/2025 1:16:37	Peak Integrated by Software
PB167630BSD	FG015691.D	n-Tetracosane (C24)	yogesh	4/18/2025 7:32:00 AM	mohammad	4/21/2025 1:16:37	Peak Integrated by Software
Q1818-03MS	FG015694.D	n-Tetracosane (C24)	yogesh	4/18/2025 7:32:02 AM	mohammad	4/21/2025 1:16:37	Peak Integrated by Software
Q1818-03MSD	FG015695.D	n-Tetracosane (C24)	yogesh	4/18/2025 7:32:04 AM	mohammad	4/21/2025 1:16:37	Peak Integrated by Software

Manual Integration Report

Sequence:	FG042225AL	Instrument	FID_g
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167690BS	FG015735.D	n-Tetracosane (C24)	yogesh	4/23/2025 7:33:13 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software
PB167690BSD	FG015736.D	n-Tetracosane (C24)	yogesh	4/23/2025 7:33:15 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software
Q1848-03	FG015737.D	ortho-Terphenyl (SURR)	yogesh	4/23/2025 7:33:16 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software
Q1848-03MS	FG015739.D	n-Octacosane (C28)	yogesh	4/23/2025 7:33:18 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software
Q1848-03MS	FG015739.D	n-Tricontane (C30)	yogesh	4/23/2025 7:33:18 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software
Q1848-03MSD	FG015740.D	n-Octacosane (C28)	yogesh	4/23/2025 7:33:20 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software
Q1848-03MSD	FG015740.D	n-Tetracontane (C40)	yogesh	4/23/2025 7:33:20 AM	mohammad	4/24/2025 6:34:05	Peak Integrated by Software

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE041725AL

Review By	yogesh	Review On	4/16/2025 2:56:14 PM
Supervise By	mohammad	Supervise On	4/18/2025 1:20:00 AM
SubDirectory	FE041725AL	HP Acquire Method	HP Processing Method FE041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053385.D	16 Apr 2025 14:34	YP\AJ	Ok
2	I.BLK	FE053386.D	16 Apr 2025 15:04	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE053387.D	16 Apr 2025 15:35	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE053388.D	16 Apr 2025 16:35	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE053389.D	16 Apr 2025 17:05	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE053390.D	16 Apr 2025 17:36	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE053391.D	16 Apr 2025 18:06	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE053392.D	16 Apr 2025 18:36	YP\AJ	Ok
9	I.BLK	FE053393.D	16 Apr 2025 19:36	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE053394.D	16 Apr 2025 20:06	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL

Review By	yogesh	Review On	4/22/2025 10:39:58 AM
Supervise By	mohammad	Supervise On	4/24/2025 6:34:11 AM
SubDirectory	FE042225AL	HP Acquire Method	HP Processing Method FE041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053455.D	22 Apr 2025 07:37	YP\AJ	Ok
2	I.BLK	FE053456.D	22 Apr 2025 08:07	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE053457.D	22 Apr 2025 08:37	YP\AJ	Ok
4	Q1832-34DL	FE053458.D	22 Apr 2025 09:38	YP\AJ	Ok,M
5	Q1840-01DL	FE053459.D	22 Apr 2025 10:08	YP\AJ	Ok
6	I.BLK	FE053460.D	22 Apr 2025 11:08	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FE053461.D	22 Apr 2025 11:39	YP\AJ	Ok,M
8	Q1842-05	FE053462.D	22 Apr 2025 12:44	YP\AJ	Ok
9	Q1842-09	FE053463.D	22 Apr 2025 13:14	YP\AJ	Ok
10	Q1842-10	FE053464.D	22 Apr 2025 13:45	YP\AJ	Ok
11	Q1842-11	FE053465.D	22 Apr 2025 14:15	YP\AJ	Ok
12	Q1842-15	FE053466.D	22 Apr 2025 14:45	YP\AJ	Ok
13	Q1842-16	FE053467.D	22 Apr 2025 15:15	YP\AJ	Ok
14	Q1842-17	FE053468.D	22 Apr 2025 15:45	YP\AJ	Ok
15	Q1842-21	FE053469.D	22 Apr 2025 16:15	YP\AJ	Ok
16	Q1842-28	FE053470.D	22 Apr 2025 16:46	YP\AJ	Ok
17	Q1842-29	FE053471.D	22 Apr 2025 17:16	YP\AJ	Ok
18	Q1842-33	FE053472.D	22 Apr 2025 17:46	YP\AJ	Ok
19	Q1842-34	FE053473.D	22 Apr 2025 18:16	YP\AJ	Ok
20	Q1842-35	FE053474.D	22 Apr 2025 18:46	YP\AJ	Ok
21	Q1842-39	FE053475.D	22 Apr 2025 19:16	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL

Review By	yogesh	Review On	4/22/2025 10:39:58 AM
Supervise By	mohammad	Supervise On	4/24/2025 6:34:11 AM
SubDirectory	FE042225AL	HP Acquire Method	HP Processing Method FE041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

22	Q1842-40	FE053476.D	22 Apr 2025 19:47	YP\AJ	Ok
23	Q1842-41	FE053477.D	22 Apr 2025 20:17	YP\AJ	Ok,M
24	I.BLK	FE053478.D	22 Apr 2025 21:17	YP\AJ	Ok
25	20 PPM ALIPHATIC HC STD	FE053479.D	22 Apr 2025 21:47	YP\AJ	Ok,M
26	Q1848-01	FE053480.D	22 Apr 2025 22:47	YP\AJ	Ok
27	Q1848-02	FE053481.D	22 Apr 2025 23:18	YP\AJ	Ok,M
28	Q1847-03	FE053482.D	22 Apr 2025 23:48	YP\AJ	Dilution
29	Q1850-01	FE053483.D	23 Apr 2025 00:18	YP\AJ	Dilution
30	Q1851-01	FE053484.D	23 Apr 2025 00:48	YP\AJ	Ok
31	Q1851-02	FE053485.D	23 Apr 2025 01:18	YP\AJ	Ok
32	Q1851-03	FE053486.D	23 Apr 2025 01:48	YP\AJ	Ok
33	Q1851-04	FE053487.D	23 Apr 2025 02:18	YP\AJ	Ok
34	I.BLK	FE053488.D	23 Apr 2025 03:19	YP\AJ	Ok
35	20 PPM ALIPHATIC HC STD	FE053489.D	23 Apr 2025 03:49	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG041725AL

Review By	yogesh	Review On	4/17/2025 1:27:34 PM
Supervise By	mohammad	Supervise On	4/21/2025 1:16:37 AM
SubDirectory	FG041725AL	HP Acquire Method	HP Processing Method FG041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015679.D	17 Apr 2025 09:21	YP\AJ	Ok
2	I.BLK	FG015680.D	17 Apr 2025 09:50	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG015681.D	17 Apr 2025 10:19	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG015682.D	17 Apr 2025 10:48	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG015683.D	17 Apr 2025 11:17	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG015684.D	17 Apr 2025 11:47	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG015685.D	17 Apr 2025 12:16	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG015686.D	17 Apr 2025 12:45	YP\AJ	Ok
9	I.BLK	FG015687.D	17 Apr 2025 13:15	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG015688.D	17 Apr 2025 13:44	YP\AJ	Ok
11	PB167630BL	FG015689.D	17 Apr 2025 15:28	YP\AJ	Ok
12	PB167630BS	FG015690.D	17 Apr 2025 15:57	YP\AJ	Ok,M
13	PB167630BSD	FG015691.D	17 Apr 2025 16:26	YP\AJ	Ok,M
14	Q1818-03	FG015692.D	17 Apr 2025 16:55	YP\AJ	Ok
15	Q1818-03D	FG015693.D	17 Apr 2025 17:24	YP\AJ	Ok
16	Q1818-03MS	FG015694.D	17 Apr 2025 17:54	YP\AJ	Ok,M
17	Q1818-03MSD	FG015695.D	17 Apr 2025 18:23	YP\AJ	Ok,M
18	Q1818-04	FG015696.D	17 Apr 2025 20:20	YP\AJ	Ok
19	I.BLK	FG015697.D	17 Apr 2025 21:19	YP\AJ	Ok
20	20 PPM ALIPHATIC HC STD	FG015698.D	17 Apr 2025 21:48	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG042225AL

Review By	yogesh	Review On	4/22/2025 1:33:58 PM
Supervise By	mohammad	Supervise On	4/24/2025 6:34:05 AM
SubDirectory	FG042225AL	HP Acquire Method	HP Processing Method FG041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015731.D	22 Apr 2025 08:42	YP\AJ	Ok
2	I.BLK	FG015732.D	22 Apr 2025 11:39	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG015733.D	22 Apr 2025 12:08	YP\AJ	Ok
4	PB167690BL	FG015734.D	22 Apr 2025 13:48	YP\AJ	Ok
5	PB167690BS	FG015735.D	22 Apr 2025 14:18	YP\AJ	Ok,M
6	PB167690BSD	FG015736.D	22 Apr 2025 14:47	YP\AJ	Ok,M
7	Q1848-03	FG015737.D	22 Apr 2025 15:16	YP\AJ	Dilution
8	Q1848-03D	FG015738.D	22 Apr 2025 15:46	YP\AJ	Ok
9	Q1848-03MS	FG015739.D	22 Apr 2025 16:15	YP\AJ	Ok,M
10	Q1848-03MSD	FG015740.D	22 Apr 2025 16:45	YP\AJ	Ok,M
11	Q1848-04	FG015741.D	22 Apr 2025 17:14	YP\AJ	Dilution
12	Q1848-05	FG015742.D	22 Apr 2025 17:43	YP\AJ	Ok
13	Q1848-06	FG015743.D	22 Apr 2025 18:13	YP\AJ	Dilution
14	I.BLK	FG015744.D	22 Apr 2025 19:11	YP\AJ	Ok
15	20 PPM ALIPHATIC HC STD	FG015745.D	22 Apr 2025 19:41	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE041725AL

Review By	yogesh	Review On	4/16/2025 2:56:14 PM
Supervise By	mohammad	Supervise On	4/18/2025 1:20:00 AM
SubDirectory	FE041725AL	HP Acquire Method	HP Processing Method FE041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053385.D	16 Apr 2025 14:34		YP\AJ	Ok
2	I.BLK	I.BLK	FE053386.D	16 Apr 2025 15:04		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE053387.D	16 Apr 2025 15:35		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE053388.D	16 Apr 2025 16:35		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053389.D	16 Apr 2025 17:05		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE053390.D	16 Apr 2025 17:36		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE053391.D	16 Apr 2025 18:06		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053392.D	16 Apr 2025 18:36		YP\AJ	Ok
9	I.BLK	I.BLK	FE053393.D	16 Apr 2025 19:36		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053394.D	16 Apr 2025 20:06		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL

Review By	yogesh	Review On	4/22/2025 10:39:58 AM
Supervise By	mohammad	Supervise On	4/24/2025 6:34:11 AM
SubDirectory	FE042225AL	HP Acquire Method	HP Processing Method FE041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053455.D	22 Apr 2025 07:37		YP\AJ	Ok
2	I.BLK	I.BLK	FE053456.D	22 Apr 2025 08:07		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053457.D	22 Apr 2025 08:37		YP\AJ	Ok
4	Q1832-34DL	PL-714-17DL	FE053458.D	22 Apr 2025 09:38		YP\AJ	Ok,M
5	Q1840-01DL	OK-04-04182025DL	FE053459.D	22 Apr 2025 10:08		YP\AJ	Ok
6	I.BLK	I.BLK	FE053460.D	22 Apr 2025 11:08		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053461.D	22 Apr 2025 11:39		YP\AJ	Ok,M
8	Q1842-05	PL-714-24	FE053462.D	22 Apr 2025 12:44		YP\AJ	Ok
9	Q1842-09	PL-714-25	FE053463.D	22 Apr 2025 13:14		YP\AJ	Ok
10	Q1842-10	PL-714-26	FE053464.D	22 Apr 2025 13:45		YP\AJ	Ok
11	Q1842-11	PL-714-27	FE053465.D	22 Apr 2025 14:15		YP\AJ	Ok
12	Q1842-15	PL-714-28	FE053466.D	22 Apr 2025 14:45		YP\AJ	Ok
13	Q1842-16	PL-714-29	FE053467.D	22 Apr 2025 15:15		YP\AJ	Ok
14	Q1842-17	PL-714-30	FE053468.D	22 Apr 2025 15:45		YP\AJ	Ok
15	Q1842-21	PL-714-31	FE053469.D	22 Apr 2025 16:15		YP\AJ	Ok
16	Q1842-28	PL-714-35	FE053470.D	22 Apr 2025 16:46		YP\AJ	Ok
17	Q1842-29	PL-714-36	FE053471.D	22 Apr 2025 17:16		YP\AJ	Ok
18	Q1842-33	PL-714-37	FE053472.D	22 Apr 2025 17:46		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL

Review By	yogesh	Review On	4/22/2025 10:39:58 AM
Supervise By	mohammad	Supervise On	4/24/2025 6:34:11 AM
SubDirectory	FE042225AL	HP Acquire Method	HP Processing Method FE041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1842-34	PL-714-38	FE053473.D	22 Apr 2025 18:16		YPIAJ	Ok
20	Q1842-35	PL-714-39	FE053474.D	22 Apr 2025 18:46		YPIAJ	Ok
21	Q1842-39	PL-714-40	FE053475.D	22 Apr 2025 19:16		YPIAJ	Ok
22	Q1842-40	PL-714-41	FE053476.D	22 Apr 2025 19:47		YPIAJ	Ok
23	Q1842-41	PL-714-42	FE053477.D	22 Apr 2025 20:17		YPIAJ	Ok,M
24	I.BLK	I.BLK	FE053478.D	22 Apr 2025 21:17		YPIAJ	Ok
25	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053479.D	22 Apr 2025 21:47		YPIAJ	Ok,M
26	Q1848-01	RBR200027	FE053480.D	22 Apr 2025 22:47		YPIAJ	Ok
27	Q1848-02	RBR200027-E2	FE053481.D	22 Apr 2025 23:18		YPIAJ	Ok,M
28	Q1847-03	PAD-42125	FE053482.D	22 Apr 2025 23:48	need 10x & 100x dilution	YPIAJ	Dilution
29	Q1850-01	CONCRETE-PILE-N-C	FE053483.D	23 Apr 2025 00:18	need 10x dilution	YPIAJ	Dilution
30	Q1851-01	DP5	FE053484.D	23 Apr 2025 00:48		YPIAJ	Ok
31	Q1851-02	DP6	FE053485.D	23 Apr 2025 01:18		YPIAJ	Ok
32	Q1851-03	DP7	FE053486.D	23 Apr 2025 01:48		YPIAJ	Ok
33	Q1851-04	DP8	FE053487.D	23 Apr 2025 02:18		YPIAJ	Ok
34	I.BLK	I.BLK	FE053488.D	23 Apr 2025 03:19		YPIAJ	Ok
35	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053489.D	23 Apr 2025 03:49		YPIAJ	Ok,M

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG041725AL

Review By	yogesh	Review On	4/17/2025 1:27:34 PM
Supervise By	mohammad	Supervise On	4/21/2025 1:16:37 AM
SubDirectory	FG041725AL	HP Acquire Method	HP Processing Method FG041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015679.D	17 Apr 2025 09:21		YPIAJ	Ok
2	I.BLK	I.BLK	FG015680.D	17 Apr 2025 09:50		YPIAJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FG015681.D	17 Apr 2025 10:19		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG015682.D	17 Apr 2025 10:48		YPIAJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015683.D	17 Apr 2025 11:17		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG015684.D	17 Apr 2025 11:47		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG015685.D	17 Apr 2025 12:16		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015686.D	17 Apr 2025 12:45		YPIAJ	Ok
9	I.BLK	I.BLK	FG015687.D	17 Apr 2025 13:15		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015688.D	17 Apr 2025 13:44		YPIAJ	Ok
11	PB167630BL	PB167630BL	FG015689.D	17 Apr 2025 15:28		YPIAJ	Ok
12	PB167630BS	PB167630BS	FG015690.D	17 Apr 2025 15:57		YPIAJ	Ok,M
13	PB167630BSD	PB167630BSD	FG015691.D	17 Apr 2025 16:26		YPIAJ	Ok,M
14	Q1818-03	RT-3873	FG015692.D	17 Apr 2025 16:55		YPIAJ	Ok
15	Q1818-03D	Q1818-03D	FG015693.D	17 Apr 2025 17:24		YPIAJ	Ok
16	Q1818-03MS	RT-3873MS	FG015694.D	17 Apr 2025 17:54	FG015692.D	YPIAJ	Ok,M
17	Q1818-03MSD	RT-3873MSD	FG015695.D	17 Apr 2025 18:23	FG015692.D!FG015694.D	YPIAJ	Ok,M
18	Q1818-04	RT-3873-E2	FG015696.D	17 Apr 2025 20:20		YPIAJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG041725AL

Review By	yogesh	Review On	4/17/2025 1:27:34 PM
Supervise By	mohammad	Supervise On	4/21/2025 1:16:37 AM
SubDirectory	FG041725AL	HP Acquire Method	HP Processing Method FG041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	I.BLK	I.BLK	FG015697.D	17 Apr 2025 21:19		YP\AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015698.D	17 Apr 2025 21:48		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG042225AL

Review By	yogesh	Review On	4/22/2025 1:33:58 PM
Supervise By	mohammad	Supervise On	4/24/2025 6:34:05 AM
SubDirectory	FG042225AL	HP Acquire Method	HP Processing Method FG041725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015731.D	22 Apr 2025 08:42		YP\AJ	Ok
2	I.BLK	I.BLK	FG015732.D	22 Apr 2025 11:39		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015733.D	22 Apr 2025 12:08		YP\AJ	Ok
4	PB167690BL	PB167690BL	FG015734.D	22 Apr 2025 13:48		YP\AJ	Ok
5	PB167690BS	PB167690BS	FG015735.D	22 Apr 2025 14:18		YP\AJ	Ok,M
6	PB167690BSD	PB167690BSD	FG015736.D	22 Apr 2025 14:47		YP\AJ	Ok,M
7	Q1848-03	ETGI-275	FG015737.D	22 Apr 2025 15:16	need 5x dilution	YP\AJ	Dilution
8	Q1848-03D	Q1848-03D	FG015738.D	22 Apr 2025 15:46		YP\AJ	Ok
9	Q1848-03MS	ETGI-275MS	FG015739.D	22 Apr 2025 16:15	FG015737.D	YP\AJ	Ok,M
10	Q1848-03MSD	ETGI-275MSD	FG015740.D	22 Apr 2025 16:45	FG015737.D\FG015739.D	YP\AJ	Ok,M
11	Q1848-04	ETGI-275-E2	FG015741.D	22 Apr 2025 17:14	need 2x dilution	YP\AJ	Dilution
12	Q1848-05	ETGI-342	FG015742.D	22 Apr 2025 17:43		YP\AJ	Ok
13	Q1848-06	ETGI-342-E2	FG015743.D	22 Apr 2025 18:13	need 5x dilution	YP\AJ	Dilution
14	I.BLK	I.BLK	FG015744.D	22 Apr 2025 19:11		YP\AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015745.D	22 Apr 2025 19:41		YP\AJ	Ok

M : Manual Integration

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A **Extraction Start Date :** 04/22/2025

Matrix : Solid **Extraction Start Time :** 09:40

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 04/22/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 13:40

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24462
Surrogate	1.0ML	100 PPM	PP24432
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	EP2600
Baked Na2SO4	N/A	EP2604
Sand	N/A	E2865
Hexane	N/A	E3916
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

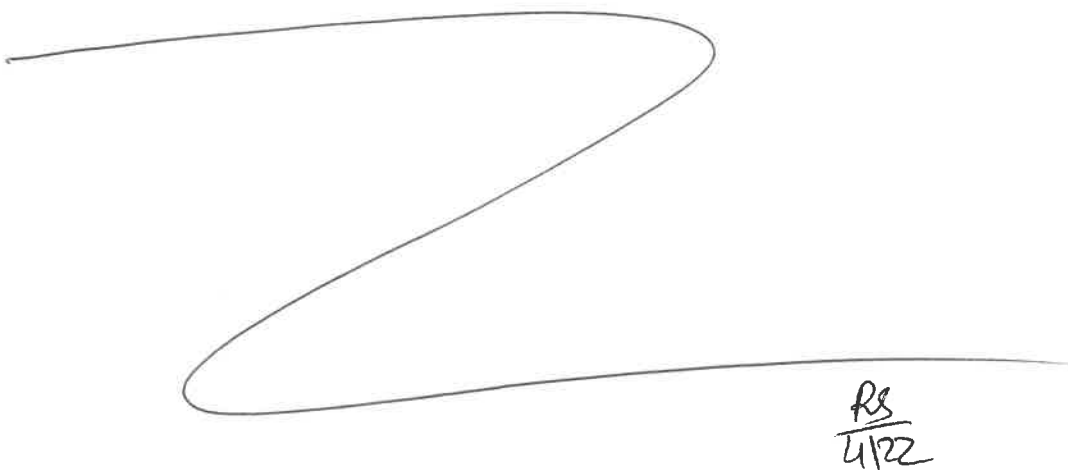
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
<u>4/22/25</u>	<u>RS (Ext Lab)</u>	<u>Y-p (Ext) PCB</u>
<u>13:45</u>	<u>Preparation Group</u>	<u>Analysis Group</u>

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167690BL	PB167690BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U3-1
PB167690BS	PB167690BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB167690BS D	PB167690BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q1847-03	PAD-24125	EPH_NF	30.07	N/A	ritesh	Evelyn	2	B	Stone	4
Q1848-01	RBR200027	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E		5
Q1848-02	RBR200027-E2	EPH_NF	30.03	N/A	ritesh	Evelyn	2			6
Q1848-03	ETGI-275	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E		U6-1
Q1848-03DU P	ETGI-275DUP	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		2
Q1848-03MS	ETGI-275MS	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		3
Q1848-03MS D	ETGI-275MSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		4
Q1848-04	ETGI-275-E2	EPH_NF	30.07	N/A	ritesh	Evelyn	2			5
Q1848-05	ETGI-342	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		6
Q1848-06	ETGI-342-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U1-1
Q1850-01	CONCRETE-PILE-N-C-LOT	EPH_NF	30.05	N/A	ritesh	Evelyn	2	D	Concrete	2
Q1851-01	DP5	EPH_NF	30.01	N/A	ritesh	Evelyn	2		Stone	3
Q1851-02	DP6	EPH_NF	30.06	N/A	ritesh	Evelyn	2		Stone	4
Q1851-03	DP7	EPH_NF	30.03	N/A	ritesh	Evelyn	2		Stone	5
Q1851-04	DP8	EPH_NF	30.06	N/A	ritesh	Evelyn	2		Stone	6



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1851

WorkList ID : 189077

Department : Extraction

Date : 04-22-2025 08:34:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1847-03	PAD-24125	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/21/2025	NJEPH
Q1848-01	RBR200027	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1848-02	RBR200027-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1848-03	ETGI-275	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1848-04	ETGI-275-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1848-05	ETGI-342	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1848-06	ETGI-342-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1850-01	CONCRETE-PILE-N-C-LOT	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/21/2025	NJEPH
Q1851-01	DP5	Solid	EPH_NF	Cool 4 deg C	GENV01	L31	04/21/2025	NJEPH
Q1851-02	DP6	Solid	EPH_NF	Cool 4 deg C	GENV01	L31	04/21/2025	NJEPH
Q1851-03	DP7	Solid	EPH_NF	Cool 4 deg C	GENV01	L31	04/21/2025	NJEPH
Q1851-04	DP8	Solid	EPH_NF	Cool 4 deg C	GENV01	L31	04/21/2025	NJEPH

Date/Time 04/22/25 9:35
Raw Sample Received by: RS (Felt-106)
Raw Sample Relinquished by: AS SH

Date/Time 04/22/25 10:05
Raw Sample Received by: AS SH
Raw Sample Relinquished by: RS (Felt-106)

LAB CHRONICLE

OrderID:	Q1851	OrderDate:	4/21/2025 12:52:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1851-01	DP5	Solid	EPH_NF	NJEPH	04/21/25	04/22/25	04/23/25	04/21/25
Q1851-02	DP6	Solid	EPH_NF	NJEPH	04/21/25	04/22/25	04/23/25	04/21/25
Q1851-03	DP7	Solid	EPH_NF	NJEPH	04/21/25	04/22/25	04/23/25	04/21/25
Q1851-04	DP8	Solid	EPH_NF	NJEPH	04/21/25	04/22/25	04/23/25	04/21/25



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Geopline
ADDRESS: 8 CARRAGE Lane
CITY: Succasunna STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: MT
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

BILL TO: Geniform PO#:
ADDRESS: 8 CARRAGE
CITY: Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) 5 DAY EPHIX DAYS*
HARDCOPY (DATA PACKAGE): 5 DAY EPHIX DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
☐ + Raw Data ☐ Other WDA
☒ EDD FORMAT pdf excel onsite

1 2 3 4 5 6 7 8 9
EPHIX
Soil VLE + B
TBA/mix

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	DP5	Soil		X	4/21/25	1030	1	X									
2.	DP6					1030	1	X									
3.	DP7					1035	1	X									
4.	DP8					1045	1	X									
5.	GP5					1110	5				X						
6.	GP6					1115	5				X						
7.	GP7	Soil		X	4/21/25	1121	5				X						
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12:55</u> <u>4/21/25</u>	RECEIVED BY: <u>[Signature]</u> 1.	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP. <u>2-0°C</u> Comments: <u>(Adjust Factor x1)</u> <u>Id per ID</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

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

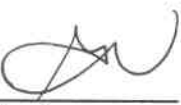
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1851	GENV01	Order Date : 4/21/2025 12:52:00 PM	Project Mgr :
Client Name : G Environmental		Project Name : Stockton	Report Type : Level 1 NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 4/21/2025 12:45:00 PM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1851-05	GP5	Solid	04/21/2025	11:10	VOC TCLVQA 10 VOCMS Group1		8260D		5 Bus. Days
Q1851-06	GP6	Solid	04/21/2025	11:15	VOC TCLVQA 10 VOCMS Group1		8260D		5 Bus. Days
Q1851-07	GP7	Solid	04/21/2025	11:21	VOC TCLVQA 10 VOCMS Group1		8260D		5 Bus. Days
						YG			
						04/25/25			

Relinquished By :

Date / Time :


4/21/25 1325

Received By :

Date / Time :


04/21/25

Storage Area : VOA Refridgerator Room