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

DATA PACKAGE

METALS
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : DPW

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q2134

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q2134

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technicle Group LLC

Client : G Environmental

Project Location : NJ

Project Number :

Laboratory Sample ID(s) : Q2134

Sampling Date(s) : 5/27/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,8260-Low,8270E,SOP**

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

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

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Cover Page

Order ID : Q2134

Project ID : DPW

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2134-01	MW10

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: 6/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: DPW
Project # N/A
Order ID # Q2134
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
1 Water sample was received on 05/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Metals Group3, SVOCMS Group2 and VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group2 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.

The Blank Spike for {VX0529WBS01} with File ID: VX046393.D met requirements for all samples except for Methyl Acetate[131%] this compound did not meet the NJDKQP criteria and in-house criteria, is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate for {VX0529WBSD01} with File ID: VX046394.D met requirements for all samples except for Methyl Acetate[136%] this compound did not meet the NJDKQP criteria and in-house criteria, is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX046390.D met the requirements except for Carbon Disulfide is failing marginally low therefore no corrective action taken and

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Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.
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.
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_____

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CASE NARRATIVE

G Environmental
Project Name: DPW
Project # N/A
Order ID # Q2134
Test Name: SVOCMS Group2

A. Number of Samples and Date of Receipt:
1 Water sample was received on 05/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Metals Group3, SVOCMS Group2 and VOCMS Group2. This data package contains results for SVOCMS Group2.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group2 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {PB168235BS} with File ID: BF142595.D met requirements for all samples except for 3,3-Dichlorobenzidine[53%], 3-Nitroaniline[54%] and 4-Chloroaniline[36%],these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate for {PB168235BSD} with File ID: BF142596.D met requirements for all samples except for 3,3-Dichlorobenzidine[52%], 3-Nitroaniline[52%] and 4-Chloroaniline[36%],these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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

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_____

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CASE NARRATIVE

G Environmental
Project Name: DPW
Project # N/A
Order ID # Q2134
Test Name: Metals Group3

A. Number of Samples and Date of Receipt:
1 Water sample was received on 05/28/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Metals Group3, SVOCMS Group2 and VOCMS Group2. This data package contains results for Metals Group3.

C. Analytical Techniques:
The analysis of Metals Group3 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate (SUPPLYMSD) analysis met criteria for all samples except for Sodium due to Chemical Interference during Digestion Process.
The Matrix Spike (SUPPLYMS) analysis met criteria for all samples except for Manganese due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
In analytical Sequence LB135981, The % Recovery outside limit for all parameters in CCV10 but, no any samples associated under this CCV.

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_____

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DATA REPORTING QUALIFIERS- INORGANIC

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

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2134

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

QA Review Signature: SOHIL JODHANI **Date:** 06/05/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2134

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW10**								
Q2134-01	MW10	Water	Cyclohexane		40.8		1.50	5.00	ug/L
Q2134-01	MW10	Water	Methylcyclohexane		45.8		0.16	1.00	ug/L
Q2134-01	MW10	Water	Benzene		2.50		0.15	1.00	ug/L
Q2134-01	MW10	Water	Toluene		1.40		0.14	1.00	ug/L
Q2134-01	MW10	Water	Chlorobenzene		3.10		0.12	1.00	ug/L
Q2134-01	MW10	Water	Ethyl Benzene		110		0.13	1.00	ug/L
Q2134-01	MW10	Water	m/p-Xylenes		63.4		0.24	2.00	ug/L
Q2134-01	MW10	Water	o-Xylene		6.40		0.12	1.00	ug/L
Q2134-01	MW10	Water	Isopropylbenzene		49.3		0.12	1.00	ug/L
			Total Voc :		323				
Q2134-01	MW10	Water	Pentane, 3-methyl-	*	130	J	0	0	ug/L
Q2134-01	MW10	Water	Cyclopentane, methyl-	*	93.8	J	0	0	ug/L
Q2134-01	MW10	Water	Pentane, 2-methyl-	*	140	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 1,2,3-trimethyl-	*	72.0	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 1,2,3,5-tetramethyl-	*	76.9	J	0	0	ug/L
Q2134-01	MW10	Water	Pentane, 2,3-dimethyl-	*	110	J	0	0	ug/L
Q2134-01	MW10	Water	Butane, 2,2,3,3-tetramethyl-	*	130	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 1-ethyl-2-methyl-	*	80.3	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 1-ethyl-4-methyl-	*	130	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 1-ethenyl-4-methyl-	*	200	J	0	0	ug/L
Q2134-01	MW10	Water	1H-Indene, 2,3-dihydro-4-meth	*	84.7	J	0	0	ug/L
Q2134-01	MW10	Water	1-Phenyl-1-butene	*	190	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	110	J	0	0	ug/L
Q2134-01	MW10	Water	Benzene, 1-ethenyl-3-ethyl-	*	150	J	0	0	ug/L
Q2134-01	MW10	Water	2-Hexene, 3-methyl-, (Z)-	*	71.6	J	0	0	ug/L
Q2134-01	MW10	Water	n-propylbenzene	*	91.1	J	0.13	1.00	ug/L
Q2134-01	MW10	Water	1,3,5-Trimethylbenzene	*	8.70	J	0.15	1.00	ug/L
Q2134-01	MW10	Water	tert-Butylbenzene	*	3.60	J	0.14	1.00	ug/L
Q2134-01	MW10	Water	1,2,4-Trimethylbenzene	*	170	J	0.14	1.00	ug/L
Q2134-01	MW10	Water	sec-Butylbenzene	*	11.0	J	0.13	1.00	ug/L
Q2134-01	MW10	Water	p-Isopropyltoluene	*	2.90	J	0.13	1.00	ug/L
Q2134-01	MW10	Water	n-Butylbenzene	*	11.9	J	0.15	1.00	ug/L
			Total Tics :		2070				
			Total Concentration:		2390				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046395.D	1		05/29/25 13:30	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	40.8		1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	45.8		0.16	1.00	ug/L
71-43-2	Benzene	2.50		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	1.40		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:	05/27/25	
Project:	DPW		Date Received:	05/28/25	
Client Sample ID:	MW10		SDG No.:	Q2134	
Lab Sample ID:	Q2134-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046395.D	1		05/29/25 13:30	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	3.10		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	110		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	63.4		0.24	2.00	ug/L
95-47-6	o-Xylene	6.40		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	49.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	53.1		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60000	5.55			
540-36-3	1,4-Difluorobenzene	114000	6.757			
3114-55-4	Chlorobenzene-d5	110000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	46600	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046395.D	1		05/29/25 13:30	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	140	J		2.82	ug/L
000096-14-0	Pentane, 3-methyl-	130	J		3.10	ug/L
000096-37-7	Cyclopentane, methyl-	93.8	J		4.30	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	110	J		5.62	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	130	J		6.25	ug/L
010574-36-4	2-Hexene, 3-methyl-, (Z)-	71.6	J		6.84	ug/L
103-65-1	n-propylbenzene	91.1	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	80.3	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	8.70	J		11.5	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	130	J		11.6	ug/L
98-06-6	tert-Butylbenzene	3.60	J		11.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	170	J		11.8	ug/L
135-98-8	sec-Butylbenzene	11.0	J		11.9	ug/L
99-87-6	p-Isopropyltoluene	2.90	J		12.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	72.0	J		12.1	ug/L
000622-97-9	Benzene, 1-ethenyl-4-methyl-	200	J		12.2	ug/L
104-51-8	n-Butylbenzene	11.9	J		12.3	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	110	J		12.6	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	150	J		12.7	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	76.9	J		12.9	ug/L
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	84.7	J		13.2	ug/L
000824-90-8	1-Phenyl-1-butene	190	J		13.3	ug/L

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

SDG No.: Q2134

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2134-01	MW10	1,2-Dichloroethane-d4	50	51.2	102	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	53.1	106	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.0	108	70 (77)	130 (121)
VX0529WBL01	VX0529WBL01	1,2-Dichloroethane-d4	50	54.8	110	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VX0529WBS01	VX0529WBS01	1,2-Dichloroethane-d4	50	52.6	105	70 (74)	130 (125)
		Dibromofluoromethane	50	52.5	105	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103	70 (77)	130 (121)
VX0529WBSD0	VX0529WBSD01	1,2-Dichloroethane-d4	50	53.7	107	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.6	105	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX046393.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0529WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			40 (69)	160 (116)	
	Chloromethane	20	17.8	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	17.9	ug/L	90			70 (65)	130 (117)	
	Bromomethane	20	18.3	ug/L	92			40 (58)	160 (125)	
	Chloroethane	20	19.1	ug/L	96			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.5	ug/L	98			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.7	ug/L	94			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	14.6	ug/L	73			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	26.2	ug/L	131		*	70 (67)	130 (125)	
	Methylene Chloride	20	18.8	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.9	ug/L	104			70 (78)	130 (112)	
	Cyclohexane	20	18.2	ug/L	91			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	22.5	ug/L	113			70 (70)	130 (124)	
	Chloroform	20	21.3	ug/L	106			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			70 (80)	130 (108)	
	Methylcyclohexane	20	17.2	ug/L	86			70 (72)	130 (115)	
	Benzene	20	20.1	ug/L	101			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.9	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	19.5	ug/L	98			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.2	ug/L	106			70 (83)	130 (111)	
	Bromodichloromethane	20	20.7	ug/L	104			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.8	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.9	ug/L	104			70 (81)	130 (110)	
	Tetrachloroethene	20	18.8	ug/L	94			70 (67)	130 (123)	
	Chlorobenzene	20	20.1	ug/L	101			70 (82)	130 (109)	
	Ethyl Benzene	20	19.8	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.5	ug/L	103			70 (83)	130 (109)	
	Styrene	20	21.2	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	19.8	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	20.8	ug/L	104			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/L	106			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.1	ug/L	101			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.5	ug/L	103			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX046393.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0529WBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX046394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0529WBSD01	Dichlorodifluoromethane	20	17.9	ug/L	90	2		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.7	ug/L	89	0		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	17.4	ug/L	87	3		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.1	ug/L	91	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.0	ug/L	95	1		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.6	ug/L	98	0		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	2		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.5	ug/L	93	1		70 (74)	130 (110)	20 (20)
	Acetone	100	110	ug/L	110	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.4	ug/L	72	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.0	ug/L	105	1		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	27.1	ug/L	136	4	*	70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.1	ug/L	96	2		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.5	ug/L	93	2		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.9	ug/L	104	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.4	ug/L	92	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.5	ug/L	98	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	1		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	23.3	ug/L	117	3		70 (70)	130 (124)	20 (20)
	Chloroform	20	21.5	ug/L	108	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.5	ug/L	103	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.7	ug/L	89	3		70 (72)	130 (115)	20 (20)
	Benzene	20	20.1	ug/L	101	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.4	ug/L	107	3		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.4	ug/L	97	1		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	22.3	ug/L	112	6		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.5	ug/L	108	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	120	ug/L	120	9		40 (74)	160 (118)	20 (20)
	Toluene	20	20.0	ug/L	100	0		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.7	ug/L	99	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.7	ug/L	104	5		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	22.4	ug/L	112	6		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	120	ug/L	120	9		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.6	ug/L	108	6		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	21.7	ug/L	109	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.5	ug/L	98	4		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.1	ug/L	101	0		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.9	ug/L	100	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.4	ug/L	101	2		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.2	ug/L	101	2		70 (83)	130 (109)	20 (20)
	Styrene	20	21.1	ug/L	106	0		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.9	ug/L	100	1		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.8	ug/L	104	0		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106	0		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.2	ug/L	101	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	20.2	ug/L	101	0		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	20.9	ug/L	104	1		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VX046394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0529WBSD01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101	0		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96	0		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99	1		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0529WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: VX046392.D Lab Sample ID: VX0529WBL01

Date Analyzed: 05/29/2025 Time Analyzed: 12:18

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0529WBS01	VX0529WBS01	VX046393.D	05/29/2025
VX0529WBSD01	VX0529WBSD01	VX046394.D	05/29/2025
MW10	Q2134-01	VX046395.D	05/29/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: VX046389.D BFB Injection Date: 05/29/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:21

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.5
75	30.0 - 60.0% of mass 95	57.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	65.9
175	5.0 - 9.0% of mass 174	5.2 (7.9) 1
176	95.0 - 101.0% of mass 174	63.8 (96.7) 1
177	5.0 - 9.0% of mass 176	4.4 (6.9) 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	VX046390.D	05/29/2025	11:27
VX0529WBL01	VX0529WBL01	VX046392.D	05/29/2025	12:18
VX0529WBS01	VX0529WBS01	VX046393.D	05/29/2025	12:41
VX0529WBSD01	VX0529WBSD01	VX046394.D	05/29/2025	13:06
MW10	Q2134-01	VX046395.D	05/29/2025	13:30

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: VX046390.D Date Analyzed: 05/29/2025

Instrument ID: MSVOA_X Time Analyzed: 11:27

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	82744	5.54	141651	6.75	125856	10.05
UPPER LIMIT	165488	6.038	283302	7.251	251712	10.549
LOWER LIMIT	41372	5.038	70825.5	6.251	62928	9.549
EPA SAMPLE NO.						
MW10	60016	5.55	114311	6.76	110287	10.05
VX0529WBL01	60328	5.54	121532	6.76	115333	10.06
VX0529WBS01	84888	5.54	151471	6.76	132494	10.05
VX0529WBSD01	81952	5.54	144475	6.76	129368	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: VX046390.D Date Analyzed: 05/29/2025

Instrument ID: MSVOA_X Time Analyzed: 11:27

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	61906	12.018				
UPPER LIMIT	123812	12.518				
LOWER LIMIT	30953	11.518				
EPA SAMPLE NO.						
MW10	46578	12.02				
VX0529WBL01	50276	12.02				
VX0529WBS01	62151	12.02				
VX0529WBSD01	61624	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX0529WBL01	SDG No.:	Q2134
Lab Sample ID:	VX0529WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046392.D	1		05/29/25 12:18	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	DPW		Date Received:		
Client Sample ID:	VX0529WBL01		SDG No.:	Q2134	
Lab Sample ID:	VX0529WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046392.D	1		05/29/25 12:18	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60300	5.544			
540-36-3	1,4-Difluorobenzene	122000	6.757			
3114-55-4	Chlorobenzene-d5	115000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50300	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX0529WBL01	SDG No.:	Q2134
Lab Sample ID:	VX0529WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046392.D	1		05/29/25 12:18	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX0529WBS01	SDG No.:	Q2134
Lab Sample ID:	VX0529WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046393.D	1		05/29/25 12:41	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.3		0.22	1.00	ug/L
74-87-3	Chloromethane	17.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.26	1.00	ug/L
74-83-9	Bromomethane	18.3		1.40	5.00	ug/L
75-00-3	Chloroethane	19.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.5		0.22	1.00	ug/L
67-66-3	Chloroform	21.3		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	DPW		Date Received:		
Client Sample ID:	VX0529WBS01		SDG No.:	Q2134	
Lab Sample ID:	VX0529WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046393.D	1		05/29/25 12:41	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	2.00	ug/L
95-47-6	o-Xylene	20.5		0.12	1.00	ug/L
100-42-5	Styrene	21.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.1		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84900	5.544			
540-36-3	1,4-Difluorobenzene	151000	6.757			
3114-55-4	Chlorobenzene-d5	132000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	62200	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX0529WBS01	SDG No.:	Q2134
Lab Sample ID:	VX0529WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046393.D	1		05/29/25 12:41	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX0529WBSD01	SDG No.:	Q2134
Lab Sample ID:	VX0529WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046394.D	1		05/29/25 13:06	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.9		0.22	1.00	ug/L
74-87-3	Chloromethane	17.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	27.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.3		0.22	1.00	ug/L
67-66-3	Chloroform	21.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	20.0		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	DPW		Date Received:		
Client Sample ID:	VX0529WBSD01		SDG No.:	Q2134	
Lab Sample ID:	VX0529WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group2	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046394.D	1		05/29/25 13:06	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.24	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	1.00	ug/L
100-42-5	Styrene	21.1		0.15	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82000	5.544			
540-36-3	1,4-Difluorobenzene	144000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	61600	12.018			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	VX0529WBSD01	SDG No.:	Q2134
Lab Sample ID:	VX0529WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046394.D	1		05/29/25 13:06	VX052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: MSVOA_X Calibration Date/Time: 05/29/2025 11:27

Lab File ID: VX046390.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.727		-4.97	20
Chloromethane	0.742	0.666	0.1	-10.24	20
Vinyl Chloride	0.691	0.621		-10.13	20
Bromomethane	0.320	0.287		-10.31	20
Chloroethane	0.369	0.364		-1.36	20
Trichlorofluoromethane	1.021	1.003		-1.76	20
1,1,2-Trichlorotrifluoroethane	0.632	0.643		1.74	20
1,1-Dichloroethene	0.593	0.559		-5.73	20
Acetone	0.374	0.385		2.94	20
Carbon Disulfide	1.406	1.117		-20.56	20
Methyl tert-butyl Ether	2.079	2.188		5.24	20
Methyl Acetate	0.867	1.092		25.95	20
Methylene Chloride	0.716	0.684		-4.47	20
trans-1,2-Dichloroethene	0.596	0.560		-6.04	20
1,1-Dichloroethane	1.219	1.253	0.1	2.79	20
Cyclohexane	1.111	1.021		-8.1	20
2-Butanone	0.543	0.565		4.05	20
Carbon Tetrachloride	0.544	0.555		2.02	20
cis-1,2-Dichloroethene	0.718	0.720		0.28	20
Bromochloromethane	0.587	0.611		4.09	20
Chloroform	1.271	1.314		3.38	20
1,1,1-Trichloroethane	1.101	1.140		3.54	20
Methylcyclohexane	0.623	0.600		-3.69	20
Benzene	1.417	1.439		1.55	20
1,2-Dichloroethane	0.612	0.630		2.94	20
Trichloroethene	0.341	0.343		0.59	20
1,2-Dichloropropane	0.352	0.385		9.38	20
Bromodichloromethane	0.547	0.592		8.23	20
4-Methyl-2-Pentanone	0.605	0.670		10.74	20
Toluene	0.869	0.898		3.34	20
t-1,3-Dichloropropene	0.487	0.538		10.47	20
cis-1,3-Dichloropropene	0.538	0.584		8.55	20
1,1,2-Trichloroethane	0.343	0.369		7.58	20
2-Hexanone	0.448	0.494		10.27	20
Dibromochloromethane	0.376	0.423		12.5	20
1,2-Dibromoethane	0.356	0.379		6.46	20
Tetrachloroethene	0.354	0.350		-1.13	20
Chlorobenzene	1.094	1.107	0.3	1.19	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: MSVOA_X Calibration Date/Time: 05/29/2025 11:27

Lab File ID: VX046390.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.001		3.73	20
m/p-Xylenes	0.706	0.741		4.96	20
o-Xylene	0.688	0.726		5.52	20
Styrene	1.127	1.242		10.2	20
Bromoform	0.281	0.307	0.1	9.25	20
Isopropylbenzene	3.893	3.979		2.18	20
1,1,2,2-Tetrachloroethane	1.364	1.369	0.3	0.37	20
1,3-Dichlorobenzene	1.649	1.718		4.18	20
1,4-Dichlorobenzene	1.684	1.726		2.49	20
1,2-Dichlorobenzene	1.655	1.722		4.05	20
1,2-Dibromo-3-Chloropropane	0.302	0.316		4.64	20
1,2,4-Trichlorobenzene	0.951	1.020		7.26	20
1,2,3-Trichlorobenzene	0.981	1.055		7.54	20
1,2-Dichloroethane-d4	0.932	0.914		-1.93	20
Dibromofluoromethane	0.360	0.371		3.06	20
Toluene-d8	1.246	1.262		1.28	20
4-Bromofluorobenzene	0.478	0.494		3.35	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 30 01:27:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	60016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114311	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	110287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57287	51.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	5.385	113	42414	51.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	8.647	98	151272	53.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.200%			
62) 4-Bromofluorobenzene	11.079	95	59066	54.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.100%			
Target Compounds						Qvalue
31) Cyclohexane	5.471	56	54389	40.789	ug/l #	91
39) Methylcyclohexane	7.379	83	65204	45.793	ug/l	90
40) Benzene	6.044	78	8033	2.480	ug/l	99
52) Toluene	8.720	92	2752	1.385	ug/l	83
65) Chlorobenzene	10.079	112	7571	3.136	ug/l #	88
67) Ethyl Benzene	10.189	91	450156	105.793	ug/l	100
68) m/p-Xylenes	10.299	106	98688	63.413	ug/l	99
69) o-Xylene	10.640	106	9699	6.393	ug/l	100
73) Isopropylbenzene	10.957	105	178597	49.251	ug/l	100
78) n-propylbenzene	11.299	91	384260	91.135	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	26339	8.694	ug/l	99
83) tert-Butylbenzene	11.713	119	11050	3.621	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	534070	174.084	ug/l	98
85) sec-Butylbenzene	11.890	105	41314	11.027	ug/l	92
86) p-Isopropyltoluene	12.006	119	9055	2.928	ug/l	99
89) n-Butylbenzene	12.329	91	32322m	11.915	ug/l	

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

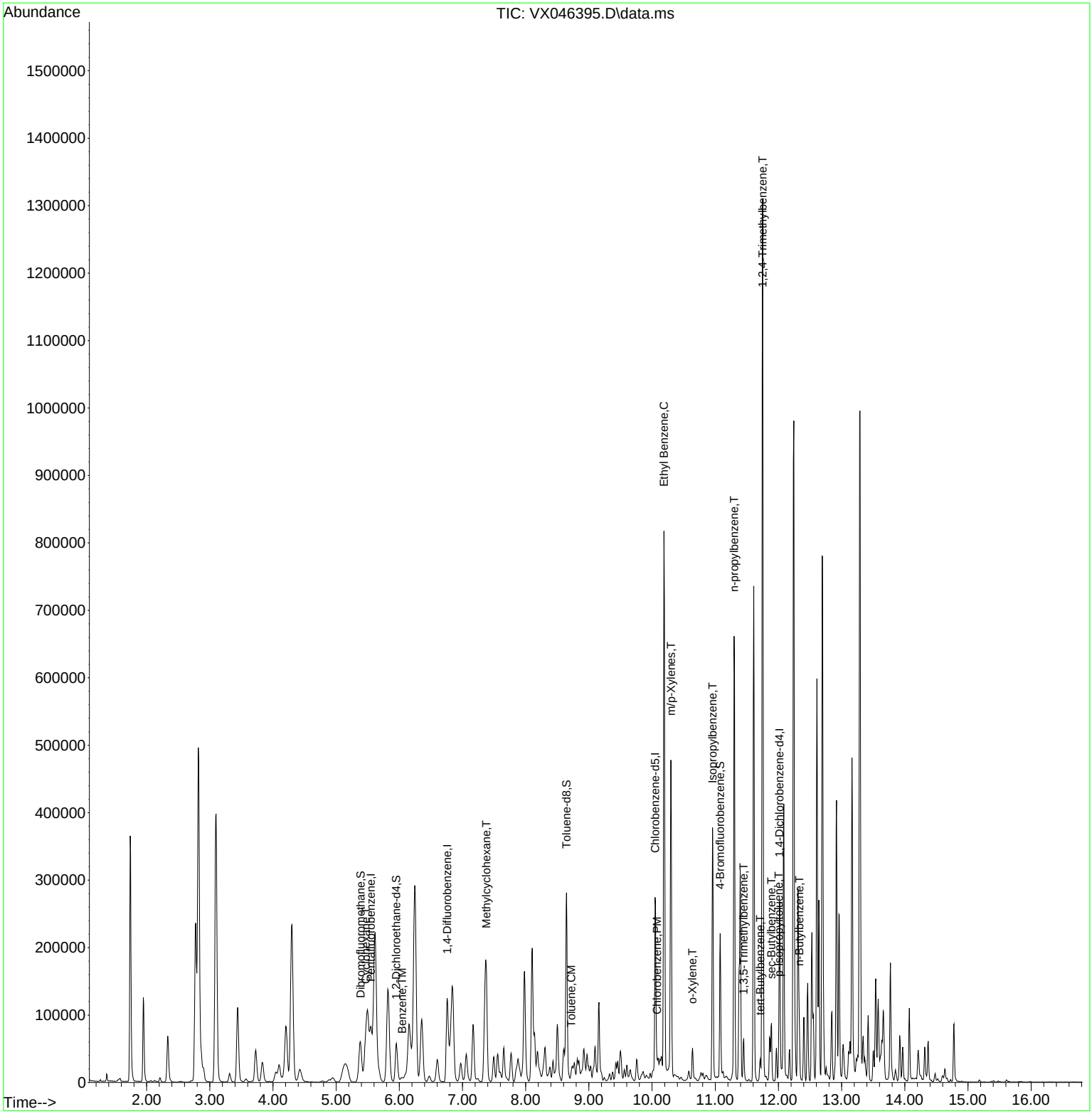
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

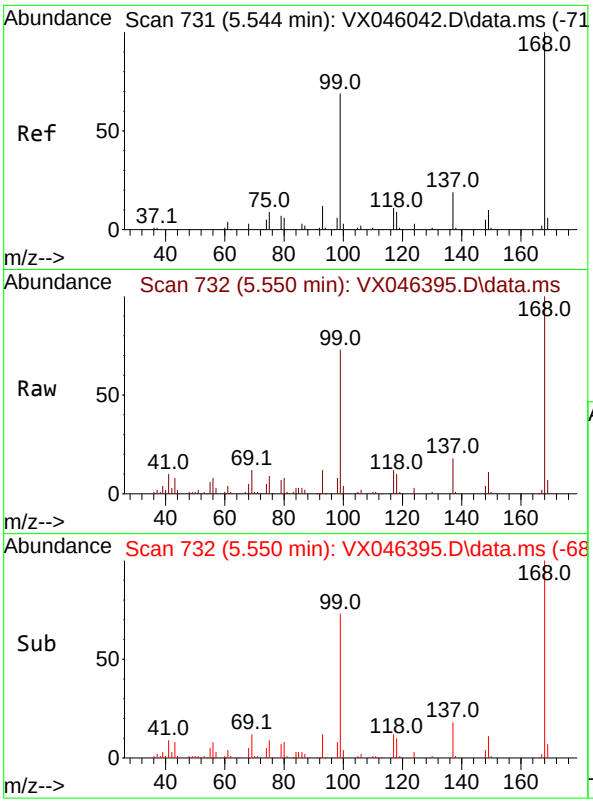
Quant Time: May 30 01:27:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

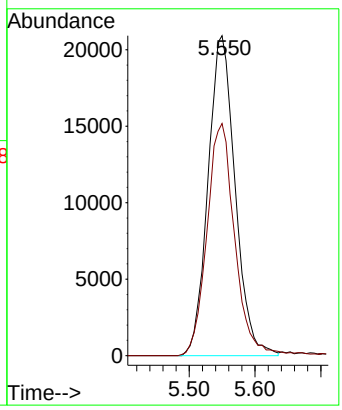




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:168 Resp: 6001

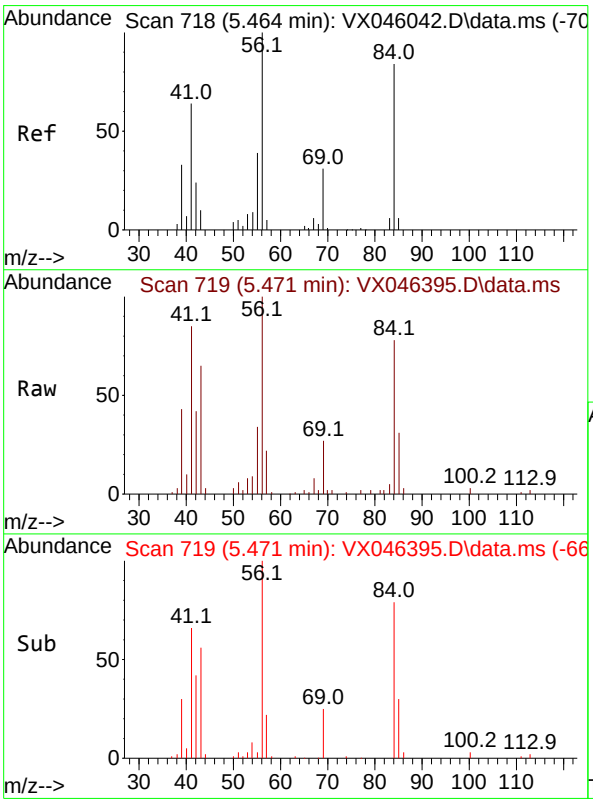
Ion	Ratio	Lower	Upper
168	100		
99	72.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

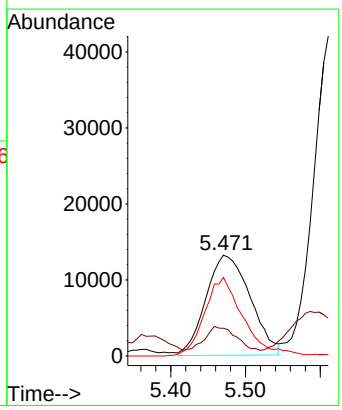
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#31
Cyclohexane
Concen: 40.789 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 56 Resp: 54389

Ion	Ratio	Lower	Upper
56	100		
69	19.5	24.4	36.6#
84	78.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
MW10

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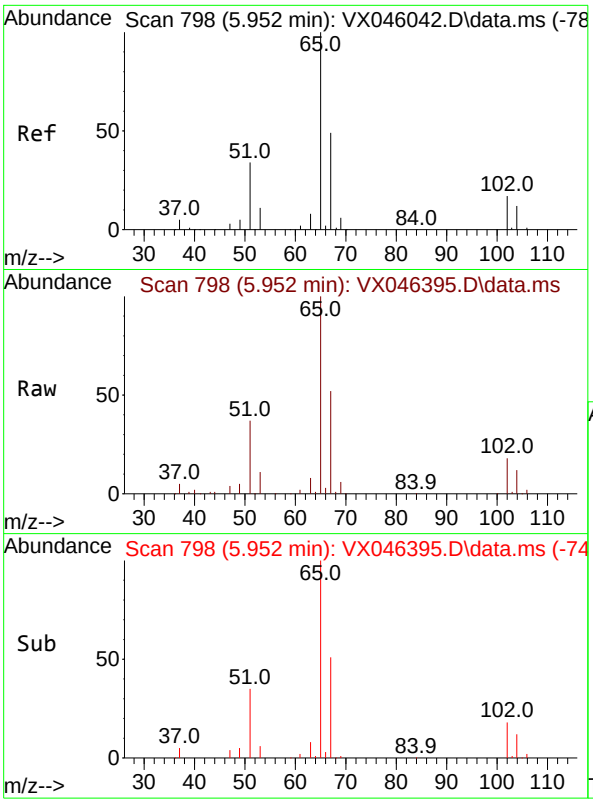
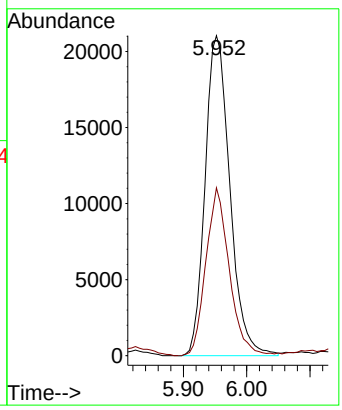
Supervised By :Mahesh Dadoda 05/30/2025

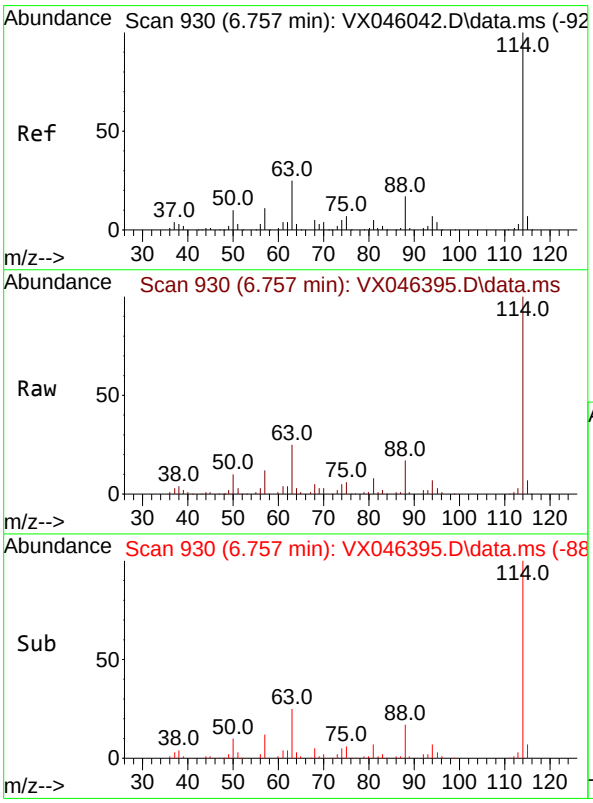


#33
1,2-Dichloroethane-d4
Concen: 51.200 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 65 Resp: 5728

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0

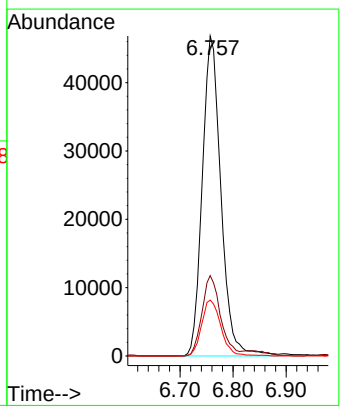


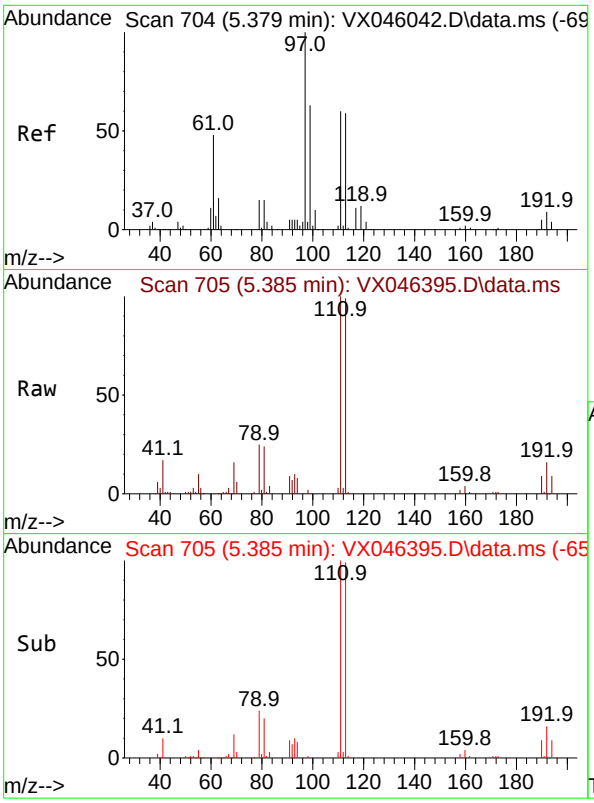


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:114 Resp: 114311

Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	49.2
88	17.4	0.0	33.6

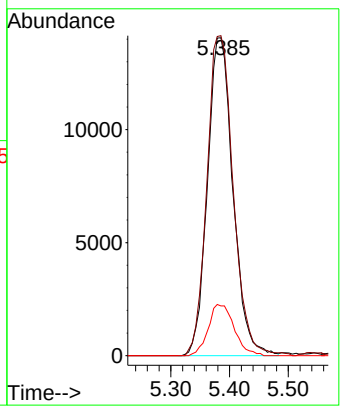




#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:113 Resp: 4241

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.4	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
MW10

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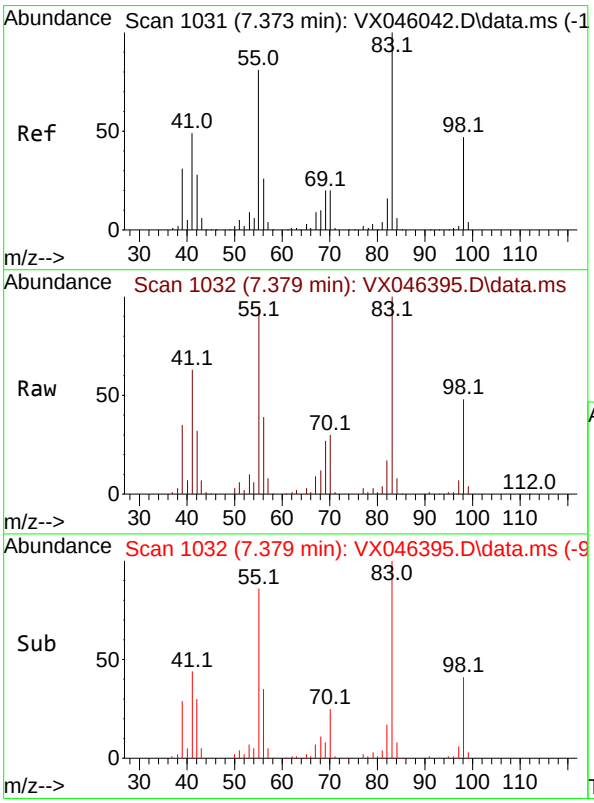
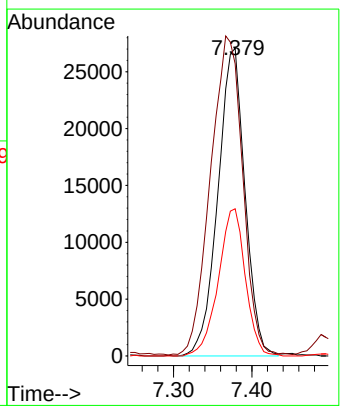
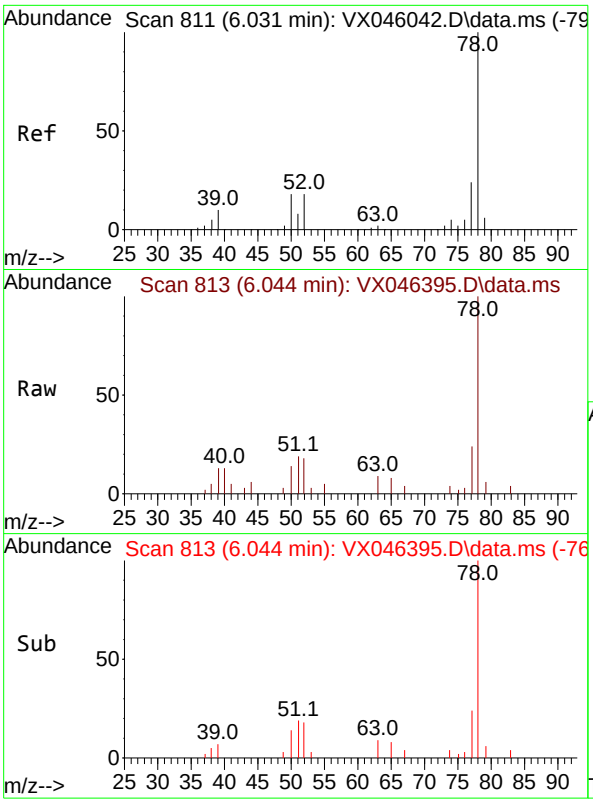


#39
Methylcyclohexane
Concen: 45.793 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 83 Resp: 65204

Ion	Ratio	Lower	Upper
83	100		
55	94.3	64.7	97.1
98	47.8	37.4	56.2

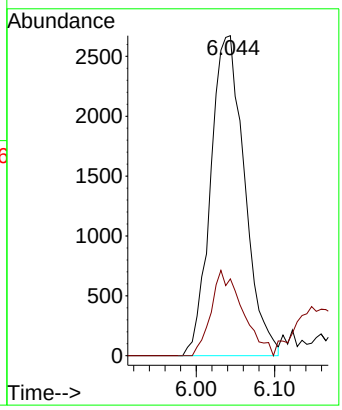




#40
Benzene
Concen: 2.480 ug/l
RT: 6.044 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 78 Resp: 803

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4



Instrument :
MSVOA_X
ClientSampleId :
MW10

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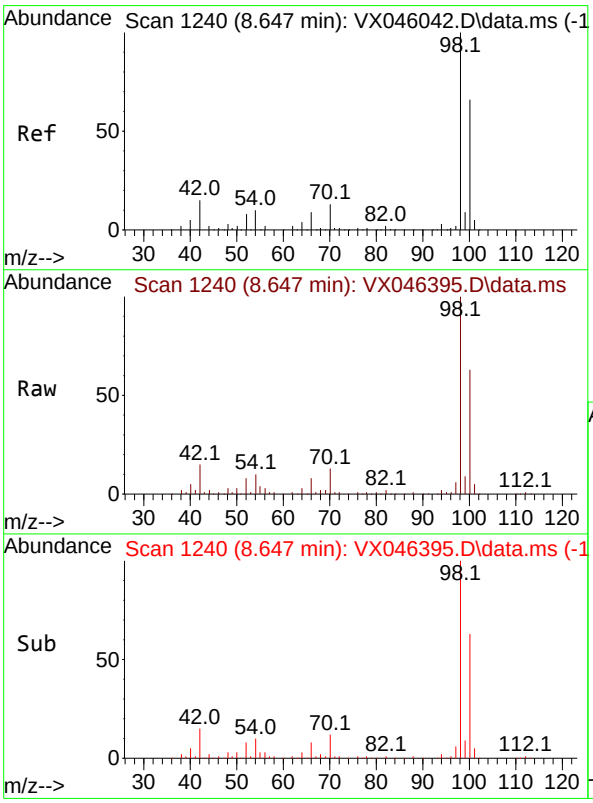
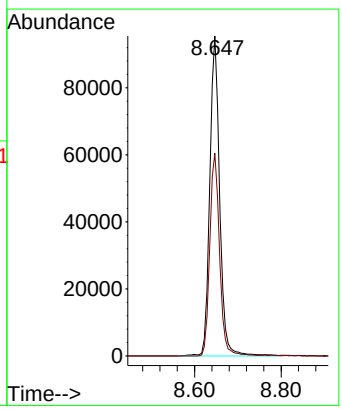
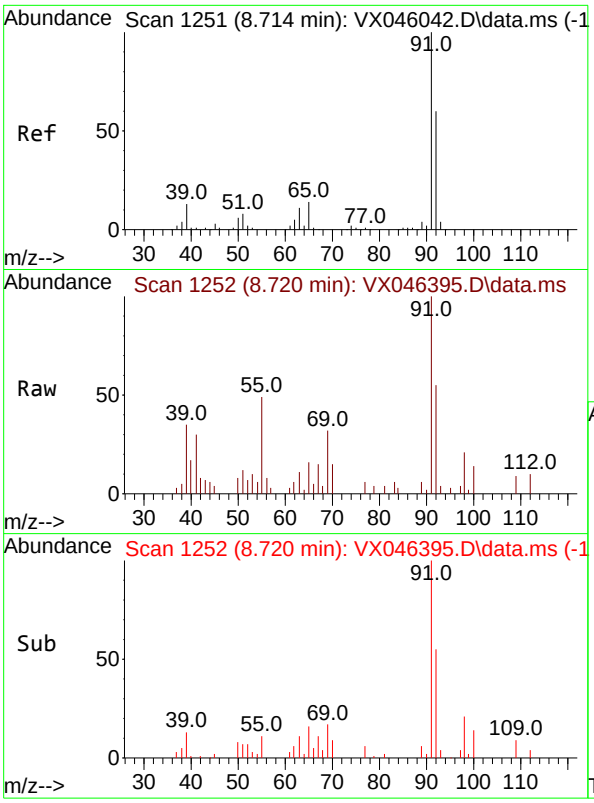


#50
Toluene-d8
Concen: 53.095 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 98 Resp: 151272

Ion	Ratio	Lower	Upper
98	100		
100	62.7	53.5	80.3

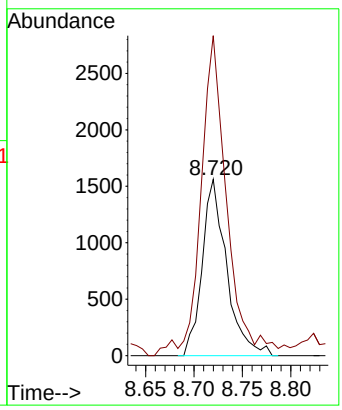




#52
Toluene
Concen: 1.385 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 92 Resp: 275

Ion	Ratio	Lower	Upper
92	100		
91	193.9	136.6	205.0



Instrument :
MSVOA_X
ClientSampleId :
MW10

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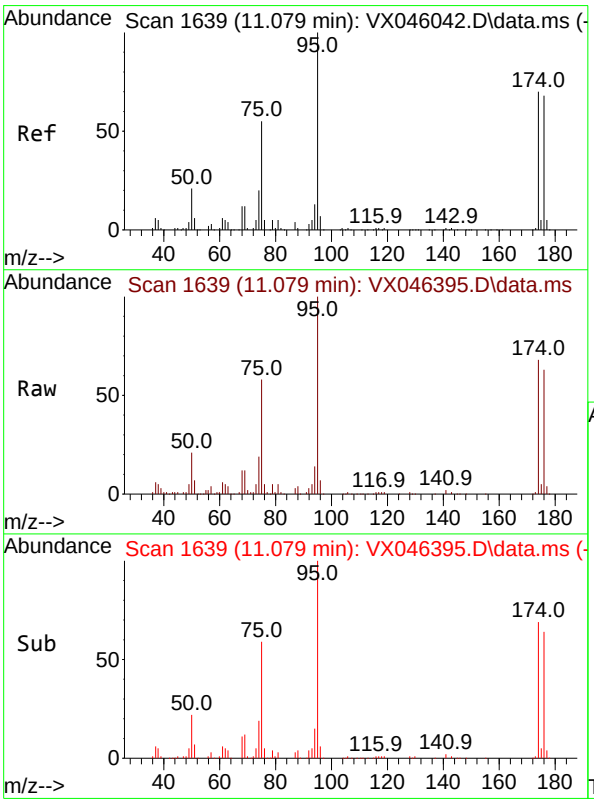
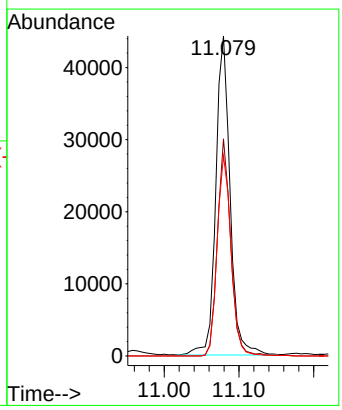
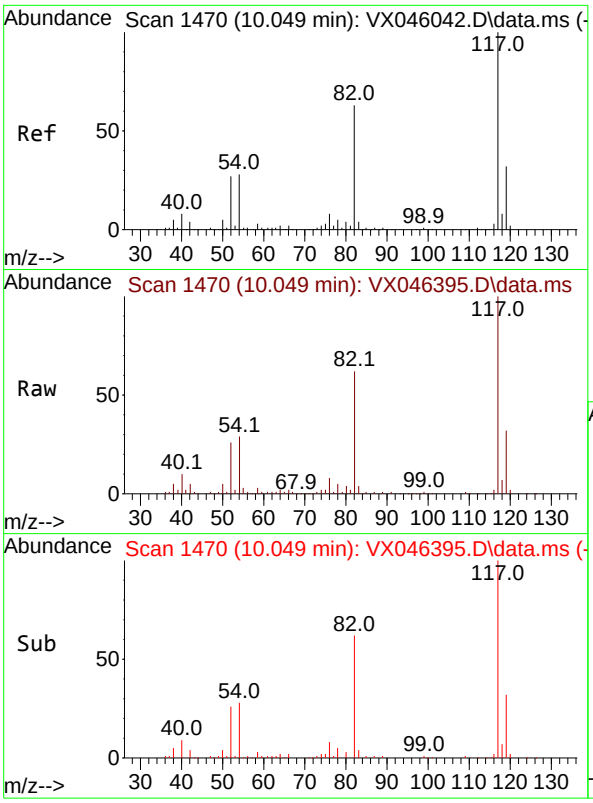


#62
4-Bromofluorobenzene
Concen: 54.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 95 Resp: 59066

Ion	Ratio	Lower	Upper
95	100		
174	63.1	0.0	135.8
176	61.3	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:117 Resp: 11028

Ion	Ratio	Lower	Upper
117	100		
82	61.9	50.6	76.0
119	32.0	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
MW10

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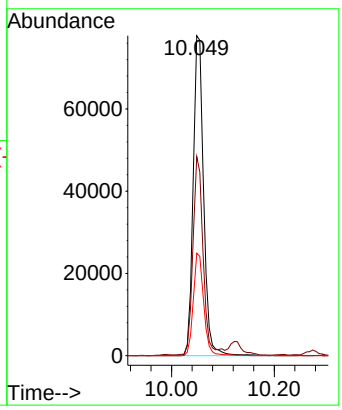
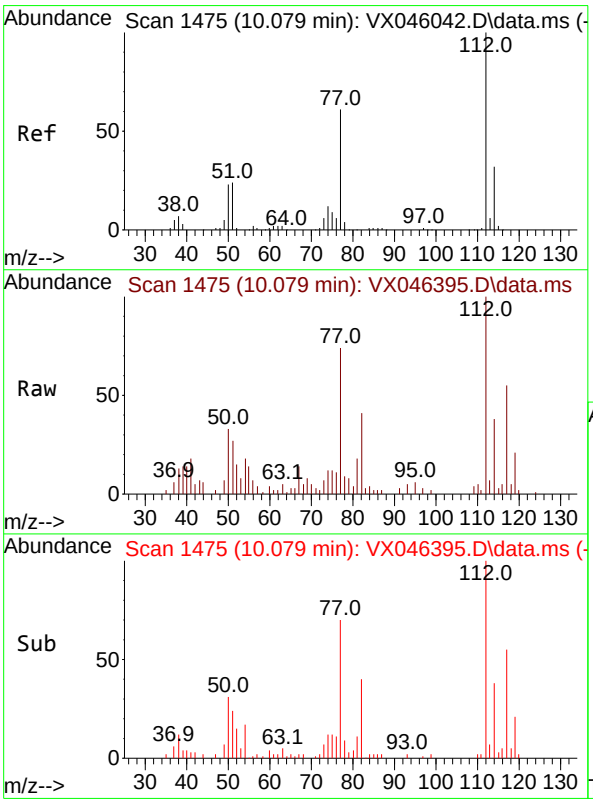
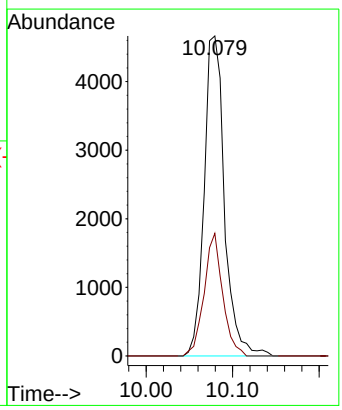


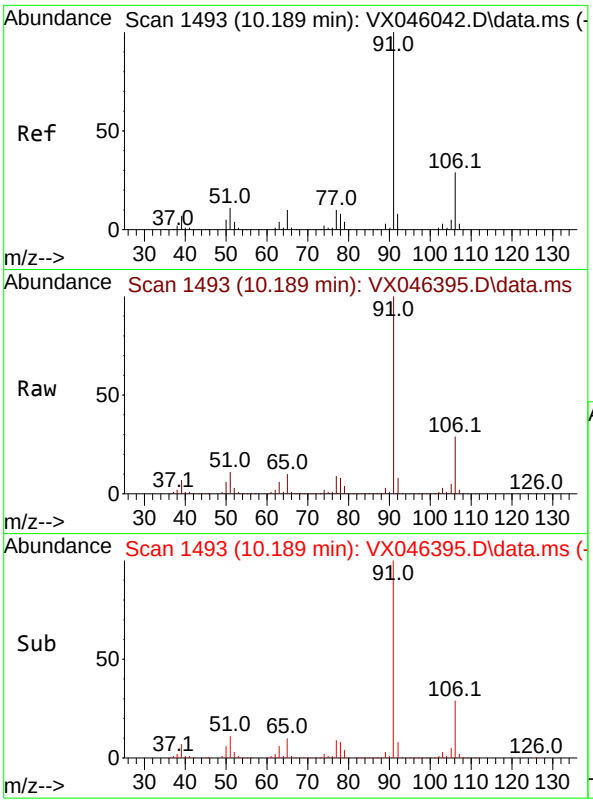


#65
Chlorobenzene
Concen: 3.136 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:112 Resp: 7571

Ion	Ratio	Lower	Upper
112	100		
114	38.3	25.4	38.2#





#67
Ethyl Benzene
Concen: 105.793 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 91 Resp: 45015

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
MW10

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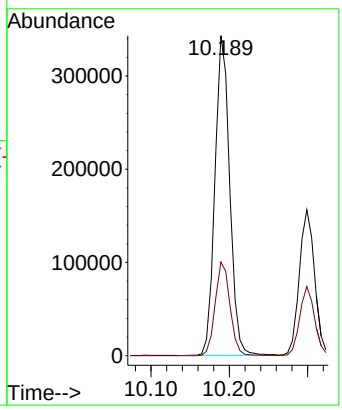
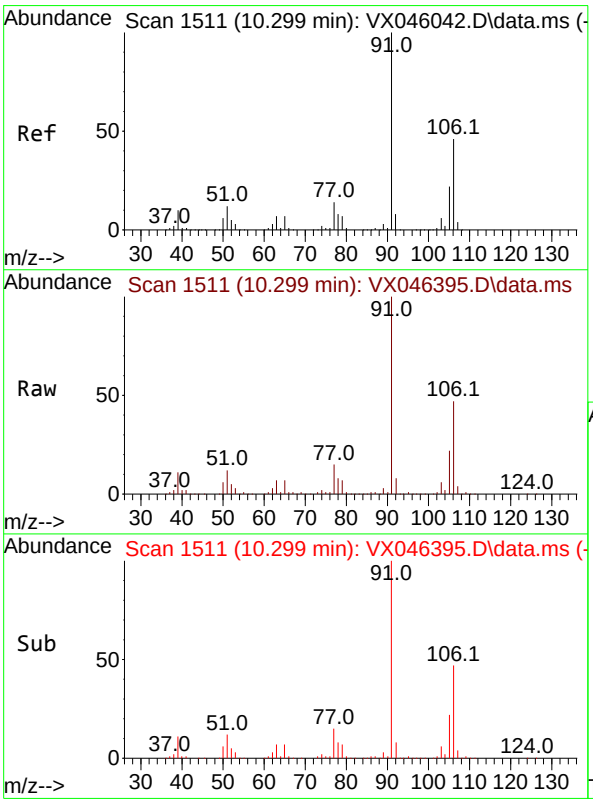
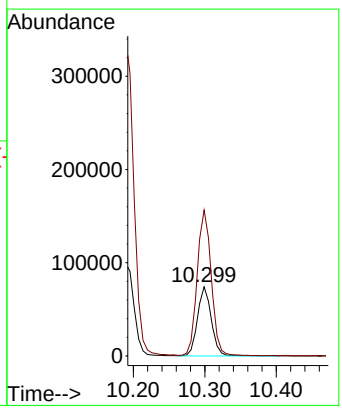


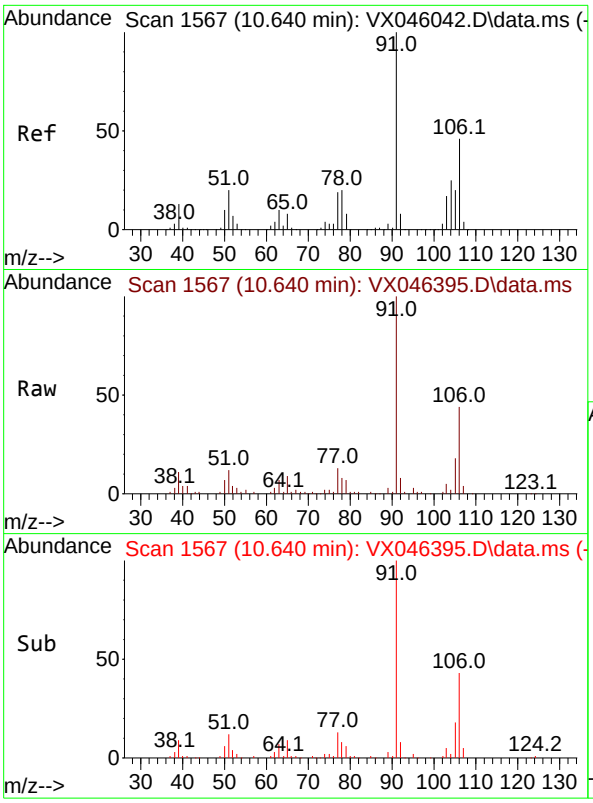


#68
m/p-Xylenes
Concen: 63.413 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:106 Resp: 98688

Ion	Ratio	Lower	Upper
106	100		
91	216.3	171.2	256.8





#69
o-Xylene
Concen: 6.393 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:106 Resp: 969

Ion	Ratio	Lower	Upper
106	100		
91	225.4	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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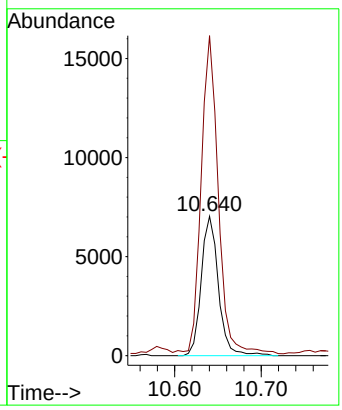
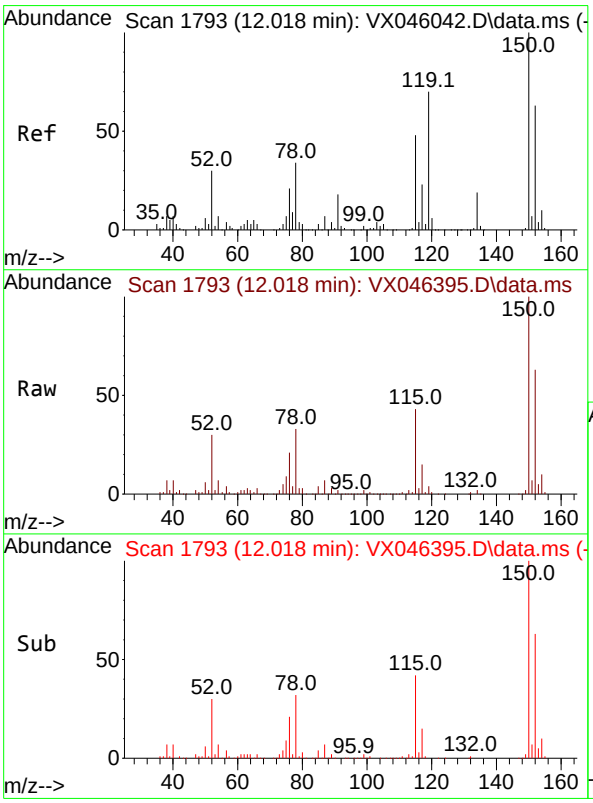
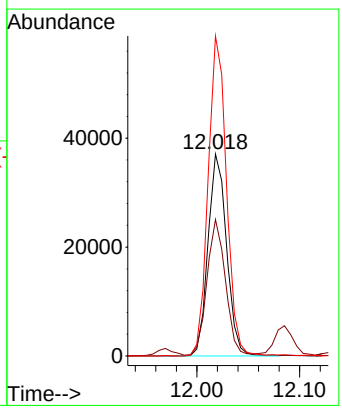


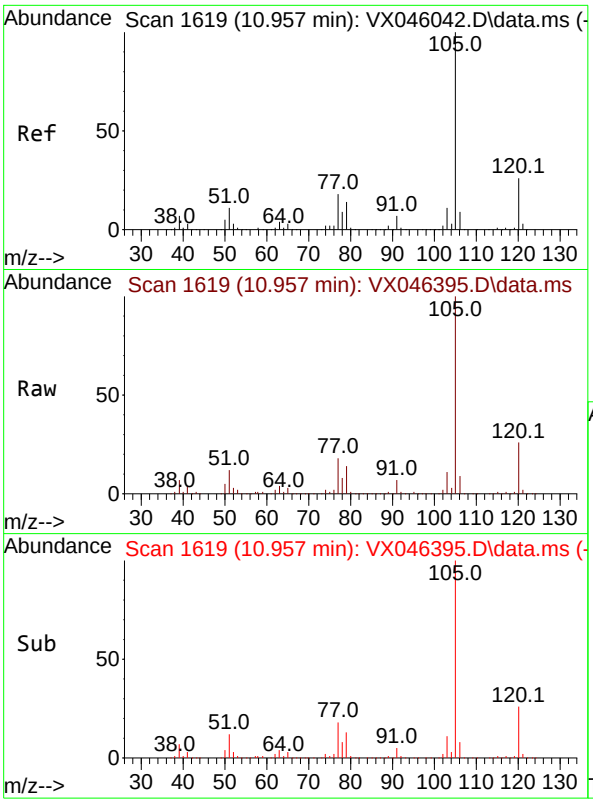


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:152 Resp: 46578

Ion	Ratio	Lower	Upper
152	100		
115	66.3	46.9	140.7
150	156.9	0.0	351.0

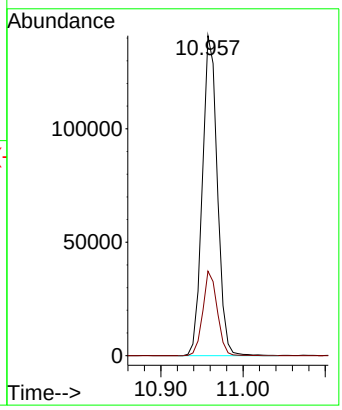




#73
Isopropylbenzene
Concen: 49.251 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:105 Resp: 17859

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
MW10

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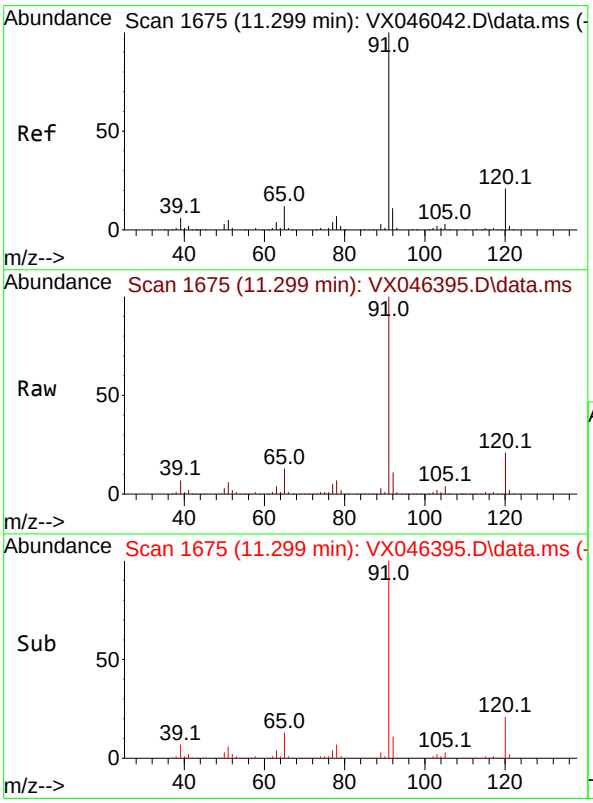
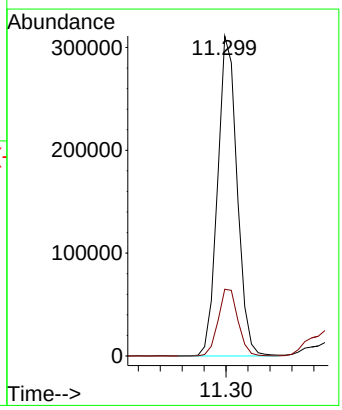
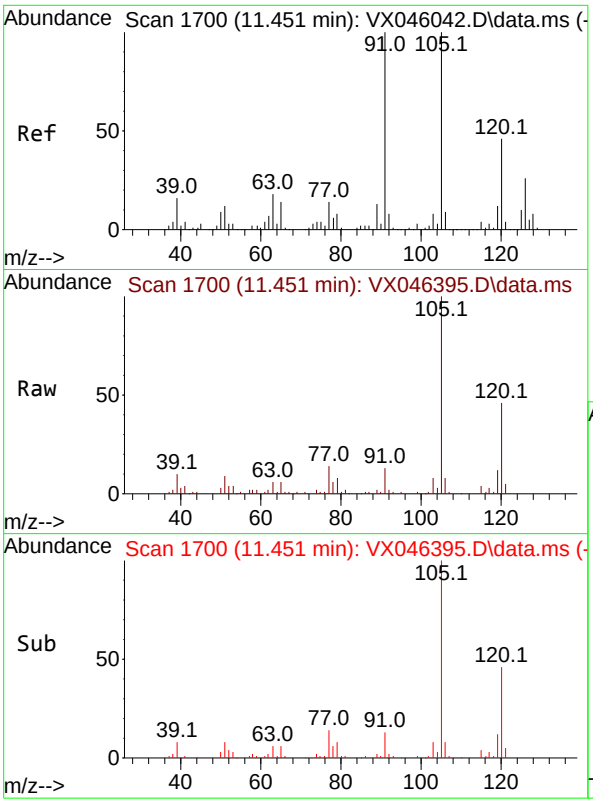


#78
n-propylbenzene
Concen: 91.135 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 91 Resp: 384260

Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.4





#80
1,3,5-Trimethylbenzene
Concen: 8.694 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:105 Resp: 2633

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2

Instrument :
MSVOA_X
ClientSampleId :
MW10

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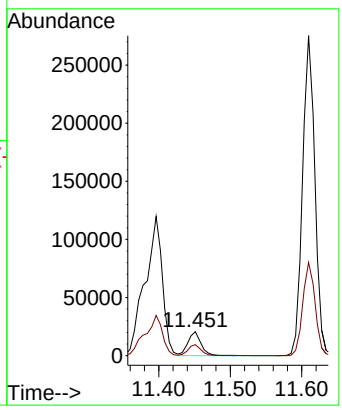
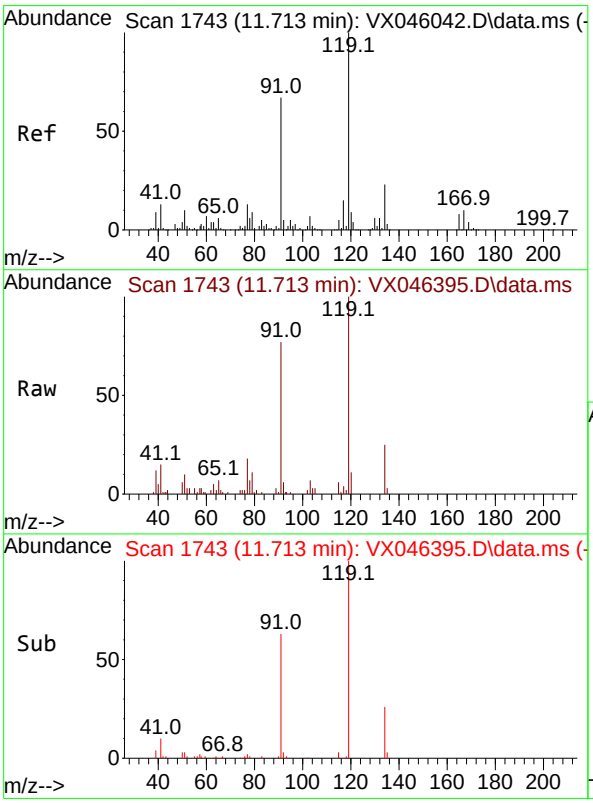
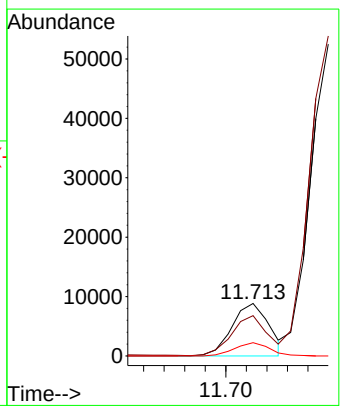


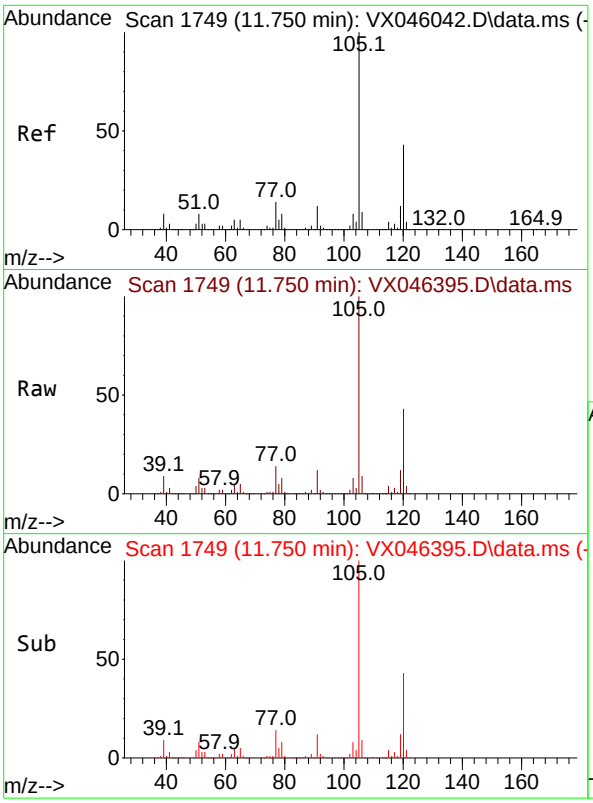


#83
tert-Butylbenzene
Concen: 3.621 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:119 Resp: 11050

Ion	Ratio	Lower	Upper
119	100		
91	73.6	32.9	98.7
134	24.0	11.4	34.1





#84
1,2,4-Trimethylbenzene
Concen: 174.084 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:105 Resp: 53407

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.2	63.6

Instrument :
MSVOA_X
ClientSampleId :
MW10

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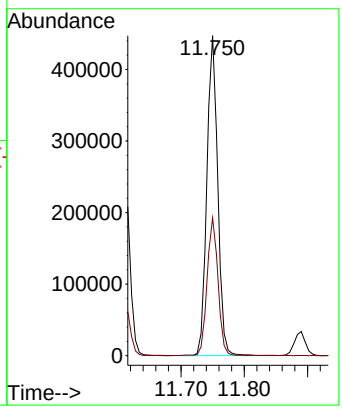
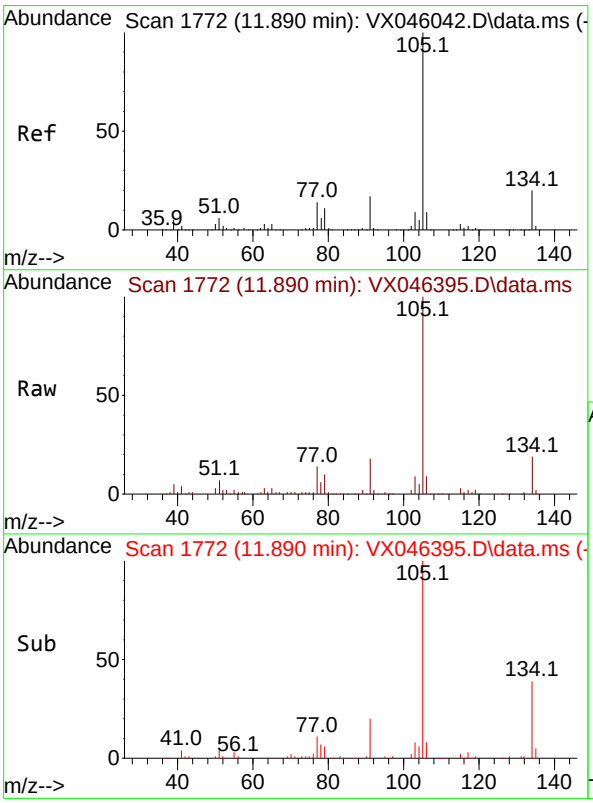
Supervised By :Mahesh Dadoda 05/30/2025

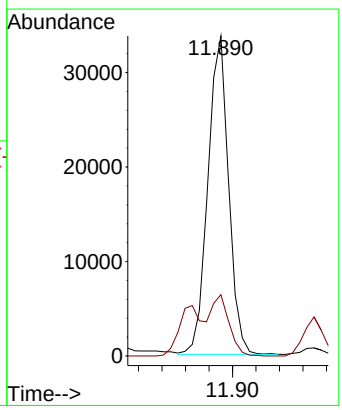


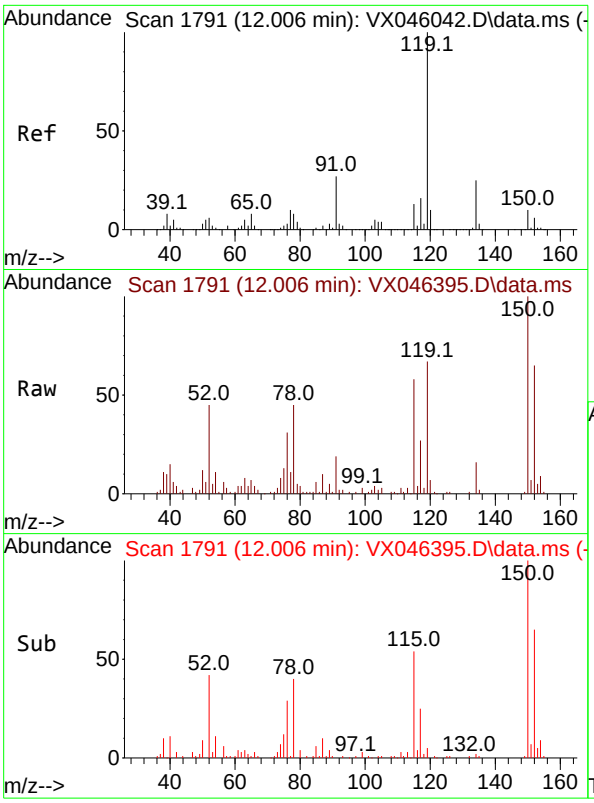


#85
sec-Butylbenzene
Concen: 11.027 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:105 Resp: 41314

Ion	Ratio	Lower	Upper
105	100		
134	16.0	9.7	29.1

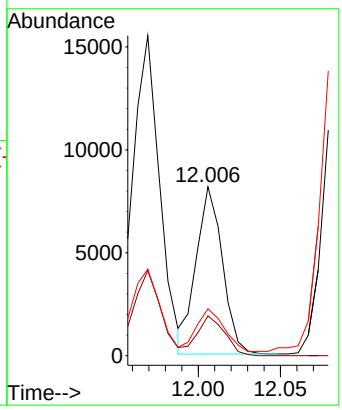




#86
p-Isopropyltoluene
Concen: 2.928 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:119 Resp: 905

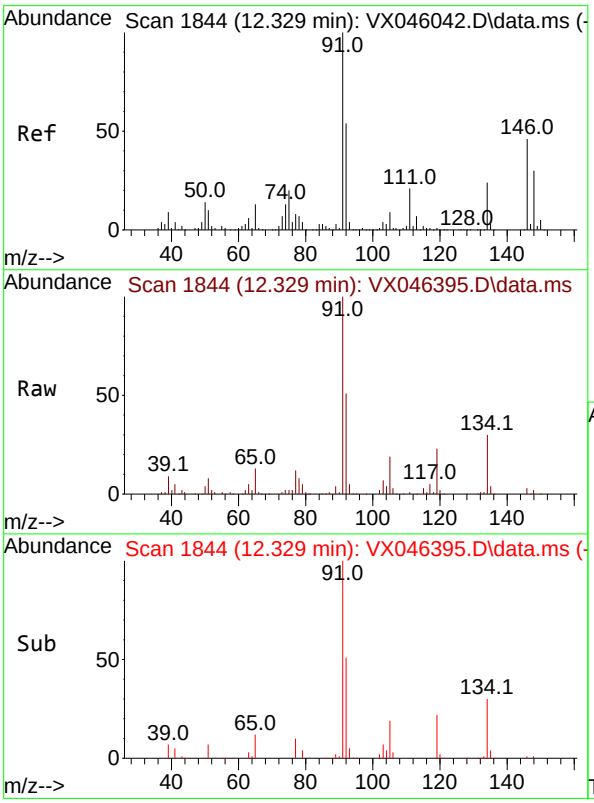
Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	26.6	13.8	41.4



Instrument :
MSVOA_X
ClientSampleId :
MW10

Manual Integrations
APPROVED

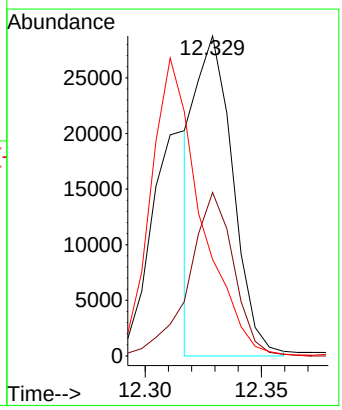
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#89
n-Butylbenzene
Concen: 11.915 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 91 Resp: 32322

Ion	Ratio	Lower	Upper
91	100		
92	61.3	26.9	80.7
134	123.0	11.8	35.3#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046395.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.739	101	107	120	rBV	364123	512294	33.15%	1.701%
2	1.947	136	141	154	rVB	124729	179739	11.63%	0.597%
3	2.337	195	205	219	rBV	67885	139297	9.01%	0.463%
4	2.776	268	277	280	rBV	233704	492893	31.89%	1.637%
5	2.819	280	284	296	rVB	479118	999560	64.67%	3.319%
6	3.099	317	330	345	rBV	397781	914488	59.17%	3.037%
7	3.440	377	386	401	rBV2	110621	251961	16.30%	0.837%
8	3.727	425	433	443	rBV	46459	110165	7.13%	0.366%
9	3.831	443	450	462	rVB3	28532	75158	4.86%	0.250%
10	4.044	475	485	489	rBV	14550	42219	2.73%	0.140%
11	4.099	489	494	502	rVV	25256	73683	4.77%	0.245%
12	4.202	502	511	518	rVV	82098	250327	16.20%	0.831%
13	4.300	518	527	538	rVV	232756	678654	43.91%	2.254%
14	4.422	538	547	560	rVB4	17986	64243	4.16%	0.213%
15	5.147	647	666	685	rVB7	27188	172259	11.15%	0.572%
16	5.379	690	704	711	rBV2	60332	195065	12.62%	0.648%
17	5.495	711	723	729	rBV4	90983	361855	23.41%	1.202%
18	5.617	735	743	765	rVB	220231	783196	50.67%	2.601%
19	5.818	765	776	790	rBV2	136470	413417	26.75%	1.373%
20	5.952	790	798	807	rBV2	55954	143090	9.26%	0.475%
21	6.153	817	831	837	rBV3	79304	270305	17.49%	0.898%
22	6.245	838	846	856	rVV2	286432	875355	56.64%	2.907%
23	6.354	856	864	877	rVB2	91617	266868	17.27%	0.886%
24	6.598	893	904	916	rVB3	32767	85070	5.50%	0.282%
25	6.757	922	930	936	rBV	124139	326535	21.13%	1.084%
26	6.836	936	943	957	rVB3	141094	467276	30.23%	1.552%
27	6.970	957	965	972	rBV2	26207	63183	4.09%	0.210%
28	7.062	972	980	990	rVB3	39420	91834	5.94%	0.305%
29	7.165	990	997	1006	rBV	82824	186277	12.05%	0.619%
30	7.367	1019	1030	1043	rVB4	180869	526646	34.07%	1.749%
31	7.495	1043	1051	1056	rBV2	36721	76716	4.96%	0.255%
32	7.555	1056	1061	1066	rBV2	34181	68191	4.41%	0.226%
33	7.653	1072	1077	1090	rVB2	48195	98716	6.39%	0.328%
34	7.769	1090	1096	1103	rVB2	42112	87118	5.64%	0.289%
35	7.879	1103	1114	1122	rBV5	33554	120491	7.80%	0.400%
36	7.982	1122	1131	1142	rVB	163043	368275	23.83%	1.223%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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_X\Method\82X050525W.M
Title : SW846 8260

37	8.104	1142	1151	1155	rBV	197243	417287	27.00%	1.386%
38	8.183	1161	1164	1175	rVB3	37179	83360	5.39%	0.277%
39	8.305	1175	1184	1190	rVV4	43481	103212	6.68%	0.343%
40	8.500	1209	1216	1227	rVB4	83722	184227	11.92%	0.612%
41	8.604	1227	1233	1235	rBV3	47395	89013	5.76%	0.296%
42	8.647	1235	1240	1249	rVV	275259	455807	29.49%	1.514%
43	8.769	1257	1260	1264	rVV4	23556	40920	2.65%	0.136%
44	8.817	1264	1268	1270	rVV2	29734	47234	3.06%	0.157%
45	8.921	1277	1285	1290	rVV2	44798	113427	7.34%	0.377%
46	8.970	1290	1293	1300	rVV2	36823	83763	5.42%	0.278%
47	9.098	1306	1314	1319	rVV2	50408	112916	7.31%	0.375%
48	9.159	1319	1324	1335	rVB	115697	204456	13.23%	0.679%
49	9.458	1370	1373	1376	rVV2	27409	42455	2.75%	0.141%
50	9.500	1376	1380	1386	rVV4	42184	85829	5.55%	0.285%
51	9.756	1416	1422	1429	rBV2	31314	58638	3.79%	0.195%
52	10.049	1466	1470	1476	rBV	256261	355400	22.99%	1.180%
53	10.189	1489	1493	1501	rVB	799687	1029443	66.61%	3.418%
54	10.299	1506	1511	1517	rVB	469546	636986	41.21%	2.115%
55	10.640	1562	1567	1581	rVB	48260	77184	4.99%	0.256%
56	10.957	1614	1619	1627	rBV	373825	477495	30.89%	1.586%
57	11.079	1634	1639	1644	rBV	212362	266638	17.25%	0.885%
58	11.299	1665	1675	1683	rBV	658637	831039	53.77%	2.760%
59	11.396	1683	1691	1696	rVV	312554	546315	35.35%	1.814%
60	11.451	1696	1700	1708	rVB	62641	84830	5.49%	0.282%
61	11.610	1721	1726	1737	rBV	733912	889890	57.58%	2.955%
62	11.713	1737	1743	1745	rBV	32225	46963	3.04%	0.156%
63	11.750	1745	1749	1756	rVB	1302294	1545569	100.00%	5.132%
64	11.860	1763	1767	1769	rBV	63585	79835	5.17%	0.265%
65	11.890	1769	1772	1778	rVB	85445	106404	6.88%	0.353%
66	11.969	1781	1785	1788	rBV	48013	57511	3.72%	0.191%
67	12.018	1788	1793	1798	rVV2	261445	340274	22.02%	1.130%
68	12.085	1799	1804	1810	rVB	402863	490165	31.71%	1.628%
69	12.177	1815	1819	1824	rVB	45842	56930	3.68%	0.189%
70	12.244	1824	1830	1837	rBV2	977959	1335689	86.42%	4.435%
71	12.311	1837	1841	1851	rVB2	284148	440436	28.50%	1.463%
72	12.402	1851	1856	1861	rVB2	93829	119682	7.74%	0.397%
73	12.463	1861	1866	1872	rVB2	144823	190638	12.33%	0.633%
74	12.530	1872	1877	1879	rBV	219878	279244	18.07%	0.927%
75	12.549	1879	1880	1885	rVB	95410	94501	6.11%	0.314%
76	12.609	1885	1890	1893	rBV	592495	716238	46.34%	2.378%

Sample Results: **VX046395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

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_X\Method\82X050525W.M
Title : SW846 8260

77	12.640	1893	1895	1900	rVB	258792	284921	18.43%	0.946%
78	12.695	1900	1904	1912	rBV	769332	999169	64.65%	3.318%
79	12.847	1923	1929	1933	rVB2	101401	145388	9.41%	0.483%
80	12.920	1933	1941	1944	rBV	414313	523060	33.84%	1.737%
81	12.957	1944	1947	1954	rVB	240427	314814	20.37%	1.045%
82	13.024	1954	1958	1967	rVB3	51219	90521	5.86%	0.301%
83	13.109	1967	1972	1974	rBV2	40763	58762	3.80%	0.195%
84	13.164	1978	1981	1989	rVB	465203	576481	37.30%	1.914%
85	13.292	1997	2002	2007	rVB2	967445	1283709	83.06%	4.263%
86	13.341	2007	2010	2013	rBV3	40553	43741	2.83%	0.145%
87	13.420	2019	2023	2031	rVB	97237	127405	8.24%	0.423%
88	13.506	2031	2037	2039	rBV2	44678	66083	4.28%	0.219%
89	13.542	2039	2043	2046	rVV	151112	222527	14.40%	0.739%
90	13.579	2046	2049	2053	rVV2	120971	189921	12.29%	0.631%
91	13.640	2053	2059	2060	rVV3	59740	118139	7.64%	0.392%
92	13.658	2060	2062	2070	rVV2	102679	161383	10.44%	0.536%
93	13.774	2073	2081	2090	rVB	173726	241206	15.61%	0.801%
94	13.920	2099	2105	2109	rBV2	67011	93011	6.02%	0.309%
95	13.969	2109	2113	2117	rVB	47258	59745	3.87%	0.198%
96	14.073	2125	2130	2137	rBV	108077	135091	8.74%	0.449%
97	14.213	2148	2153	2159	rBV2	42564	69278	4.48%	0.230%
98	14.316	2166	2170	2175	rBV	48369	64954	4.20%	0.216%
99	14.371	2175	2179	2186	rVB	57635	76500	4.95%	0.254%
100	14.780	2240	2246	2255	rBV	85137	119014	7.70%	0.395%

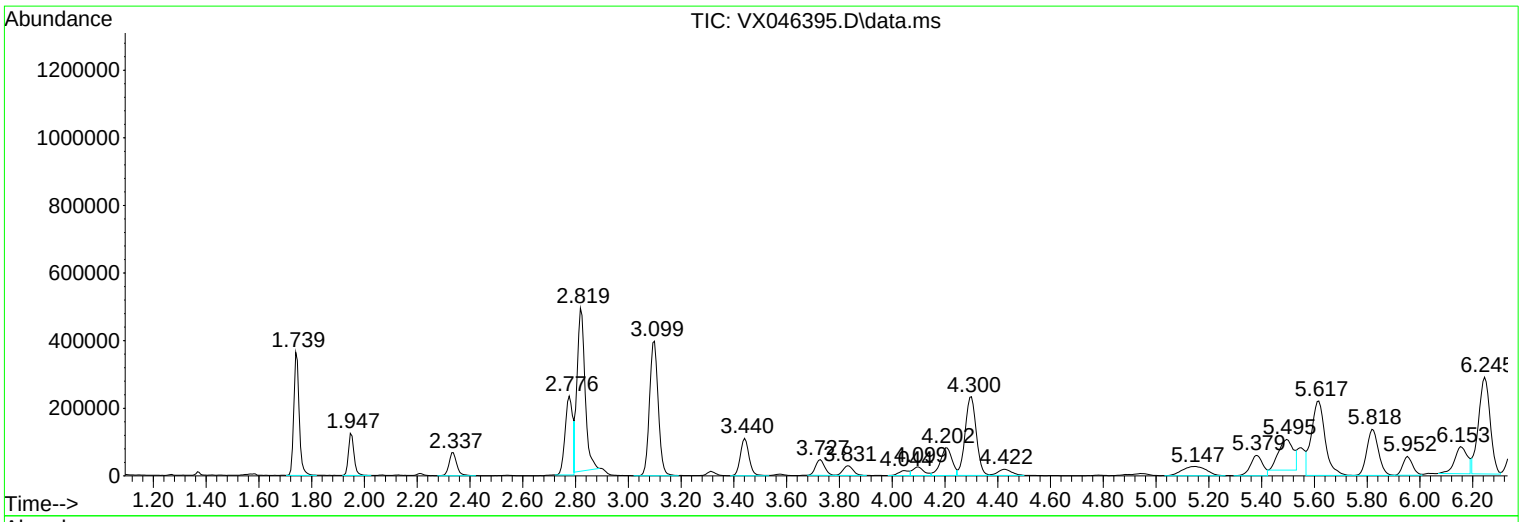
Sum of corrected areas: 30115085

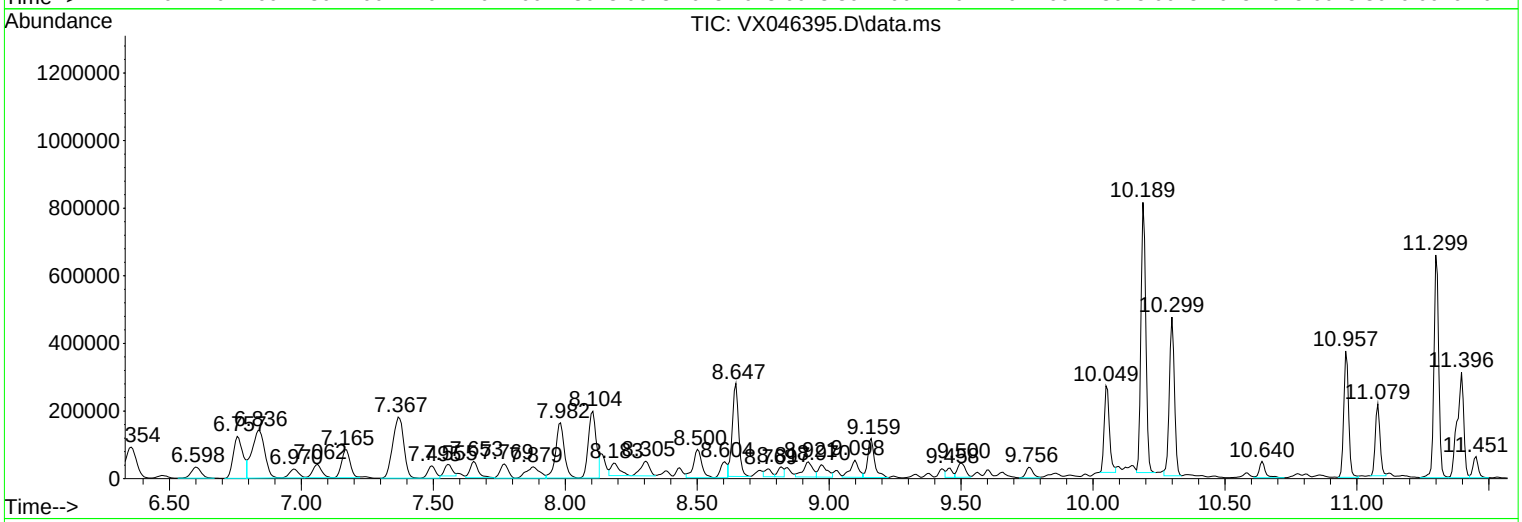
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

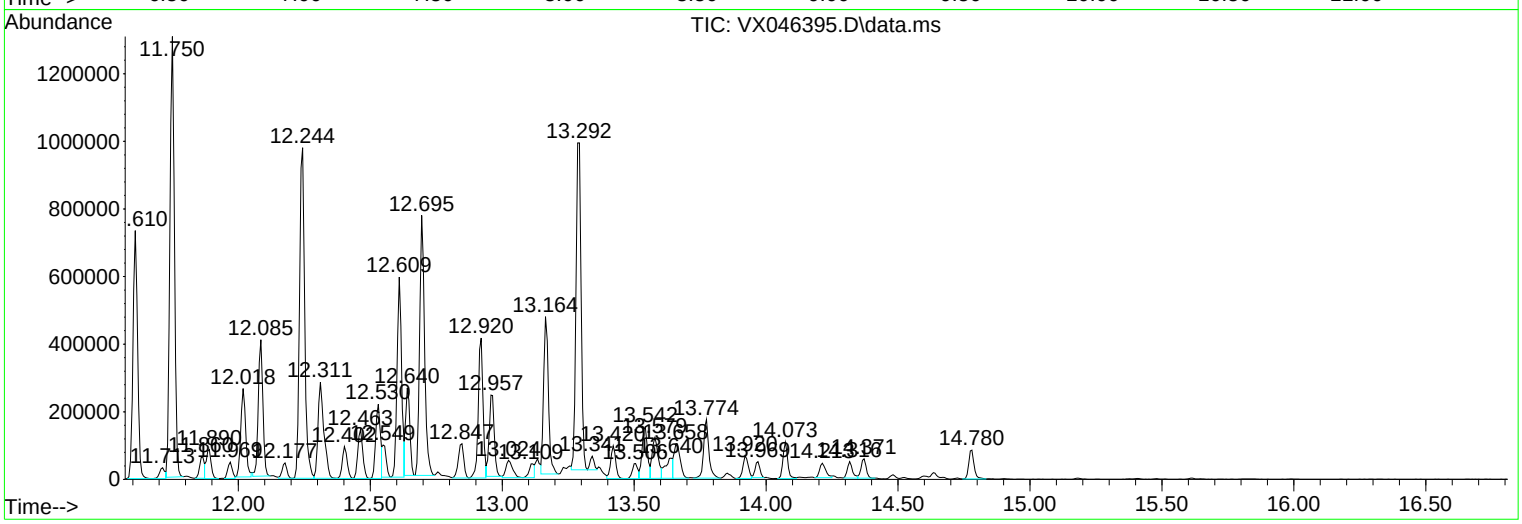
Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

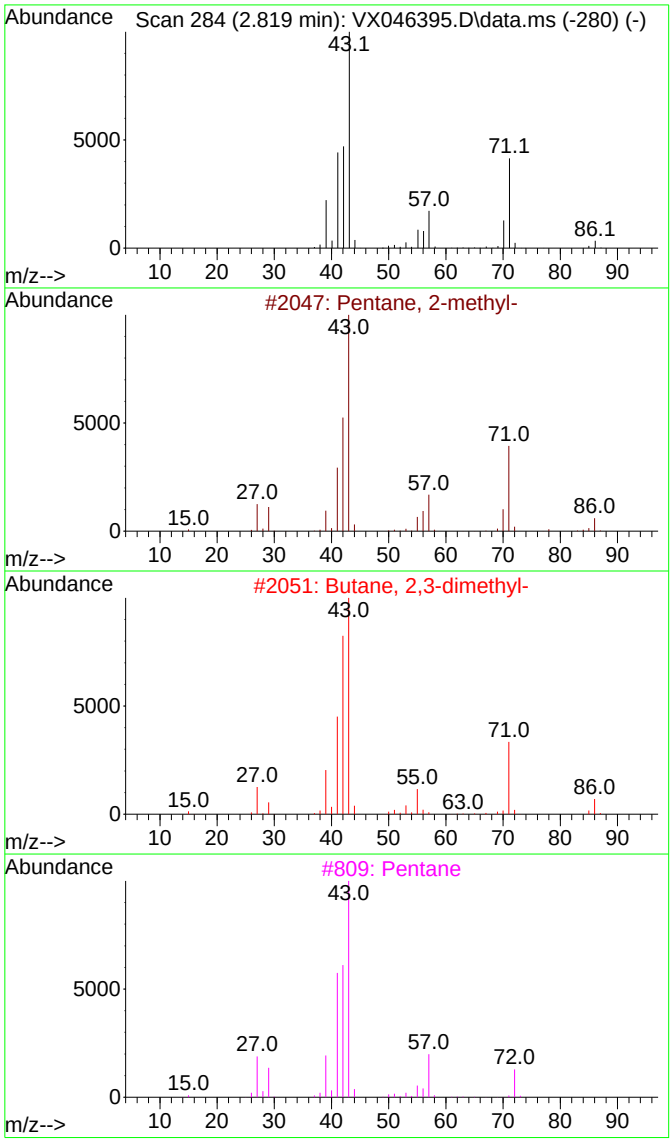
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

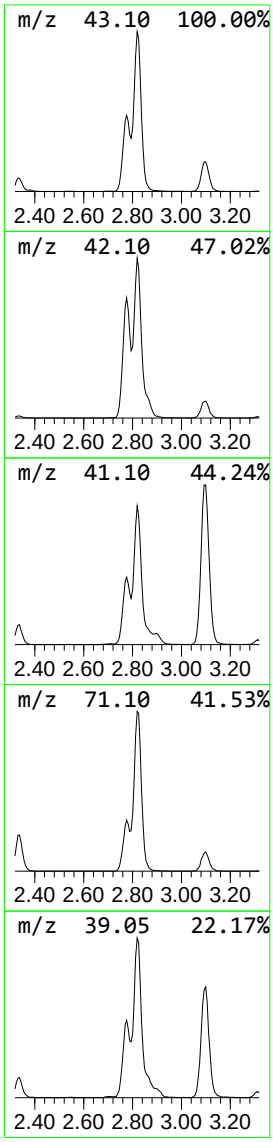
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.819	138.12 ug/l	999560	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
3	Pentane	72	C5H12	000109-66-0	46
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	36
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

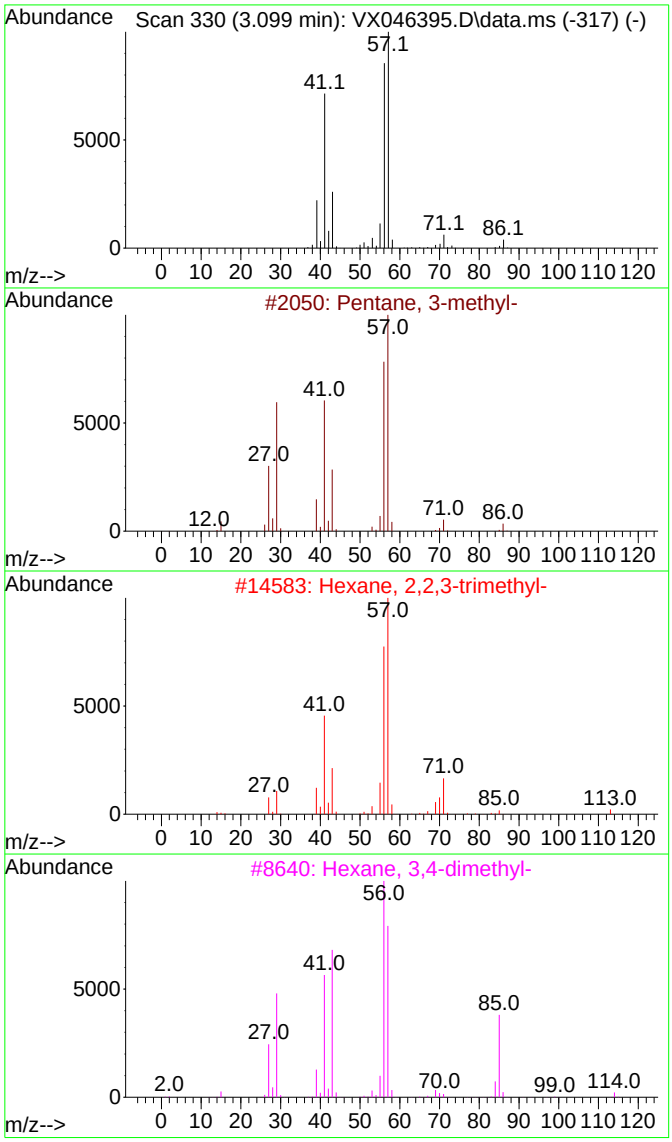
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

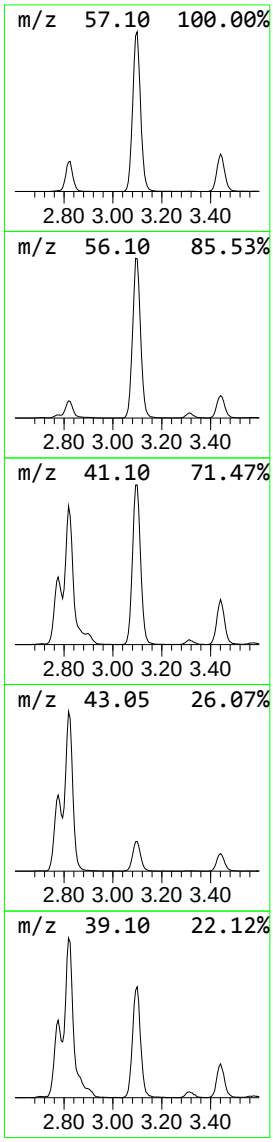
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.099	126.36 ug/l	914488	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	43
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	43
5	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

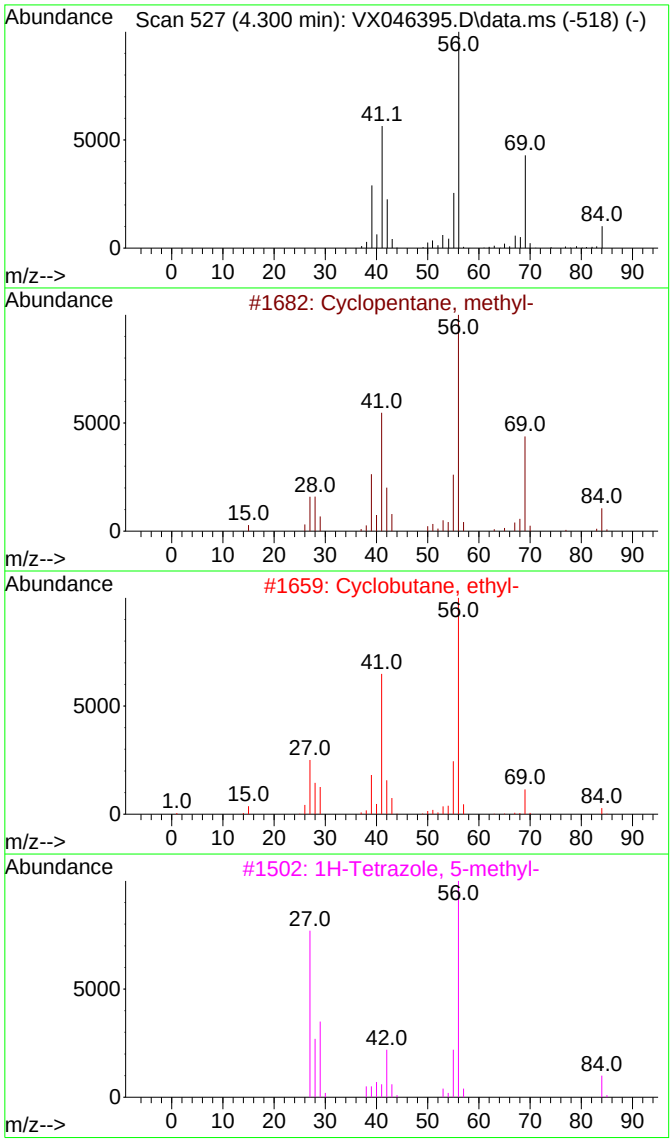
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

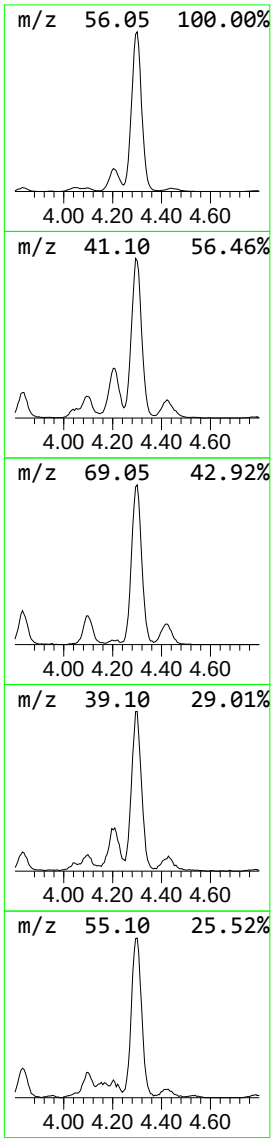
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.300	93.77 ug/l	678654	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
5	Cyclobutane	56	C4H8	000287-23-0	40





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Data File : VX046395.D
Acq On    : 29 May 2025  13:30
Operator  : JC/MD
Sample    : Q2134-01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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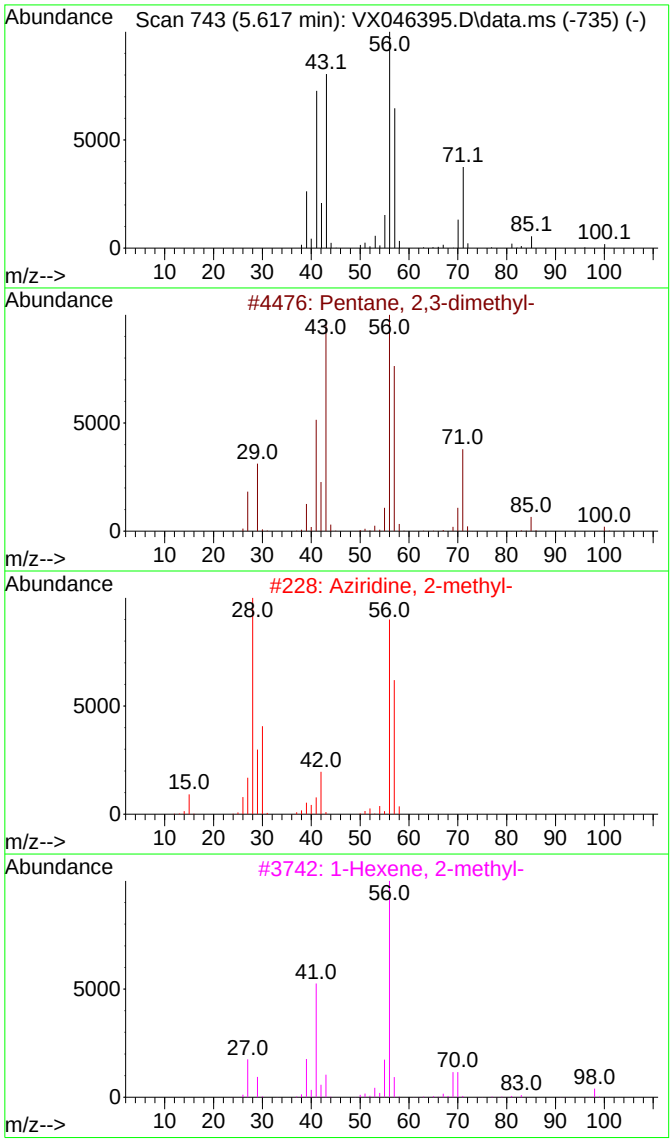
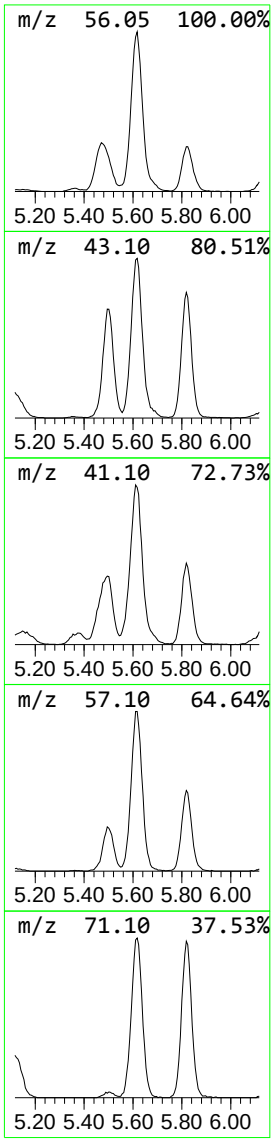
Instrument :
MSVOA_X
ClientSampleId :
MW10

Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.617	108.22 ug/l	783196	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	38
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	35
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	33





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Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

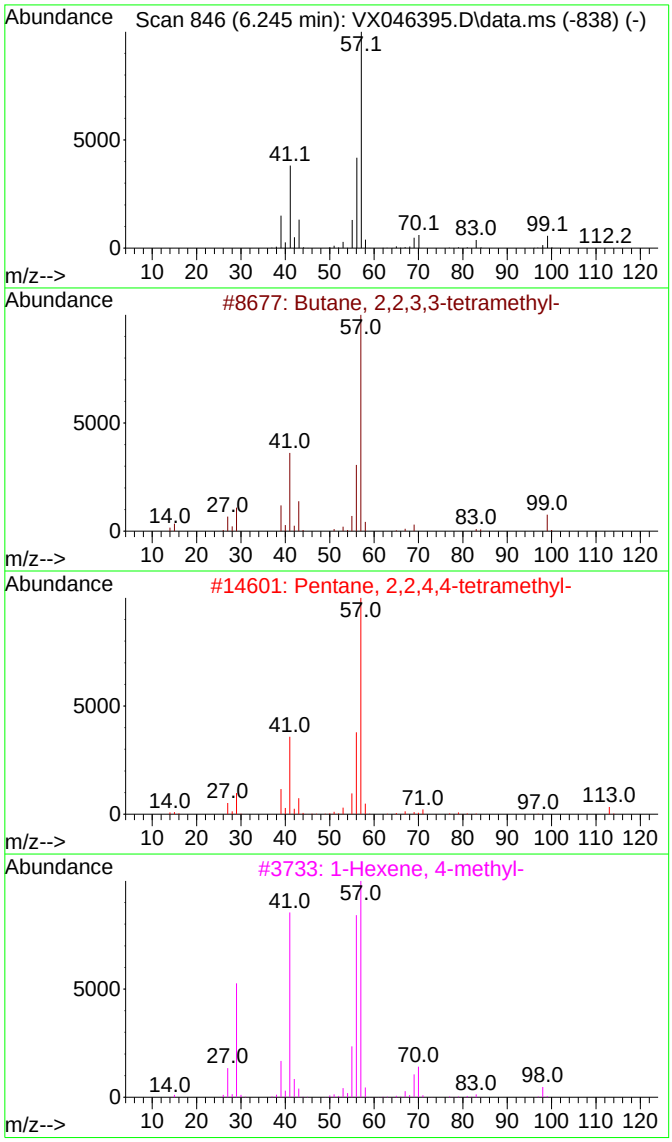
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

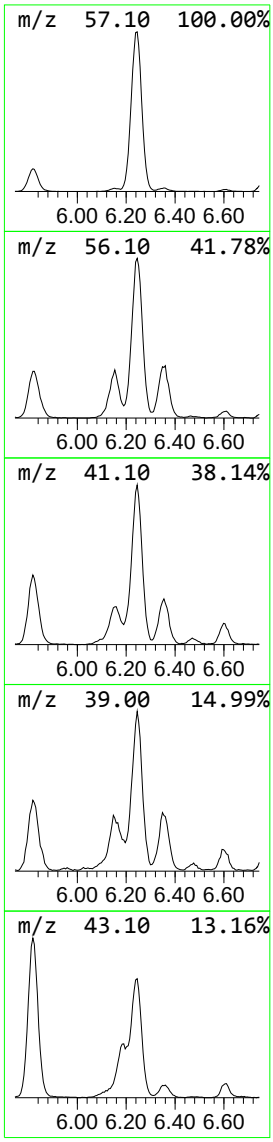
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Butane, 2,2,3,3-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.245	134.04 ug/l	875355	1,4-Difluorobenzene	6.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
3	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	58
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
5	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	45





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Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

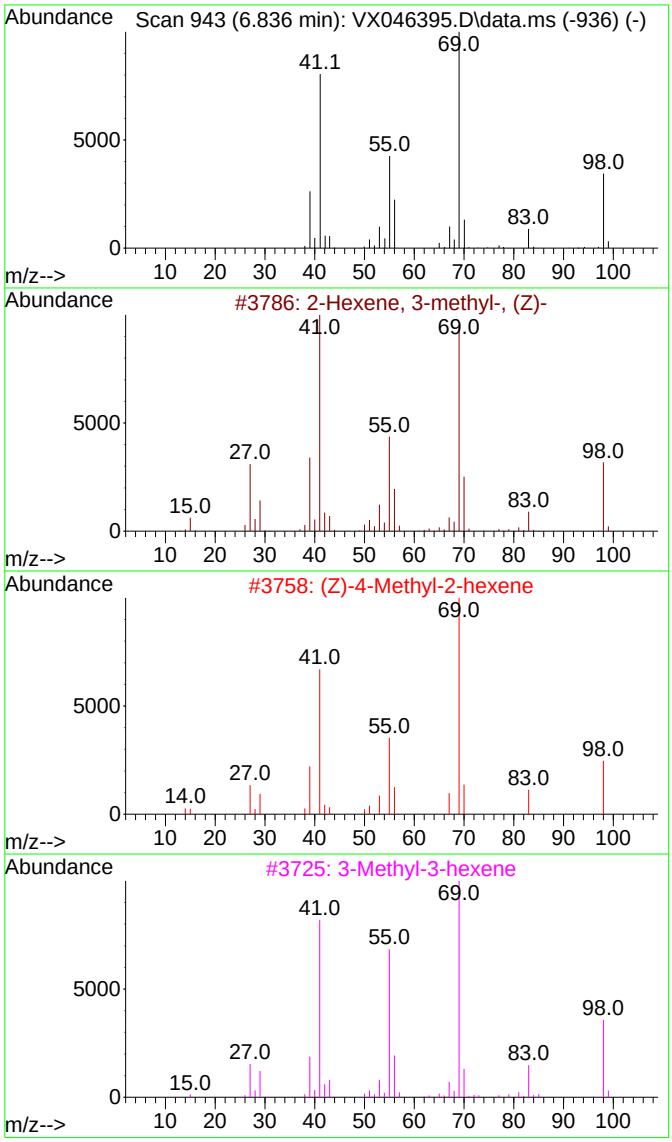
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

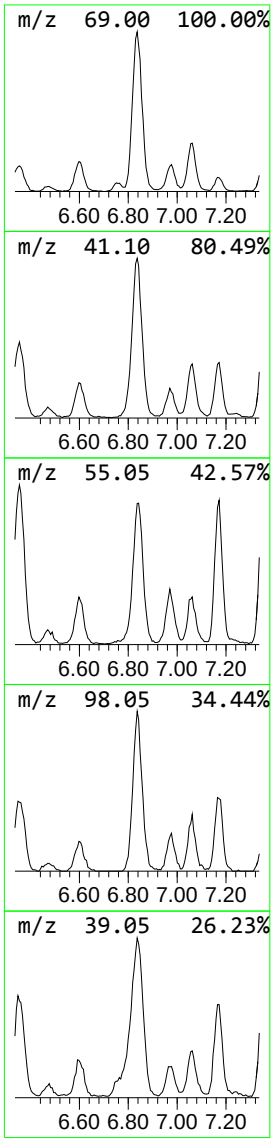
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Hexene, 3-methyl-, (Z)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.836	71.55 ug/l	467276	1,4-Difluorobenzene	6.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	91
2	(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	87
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	87
4	3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	86
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	83





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Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

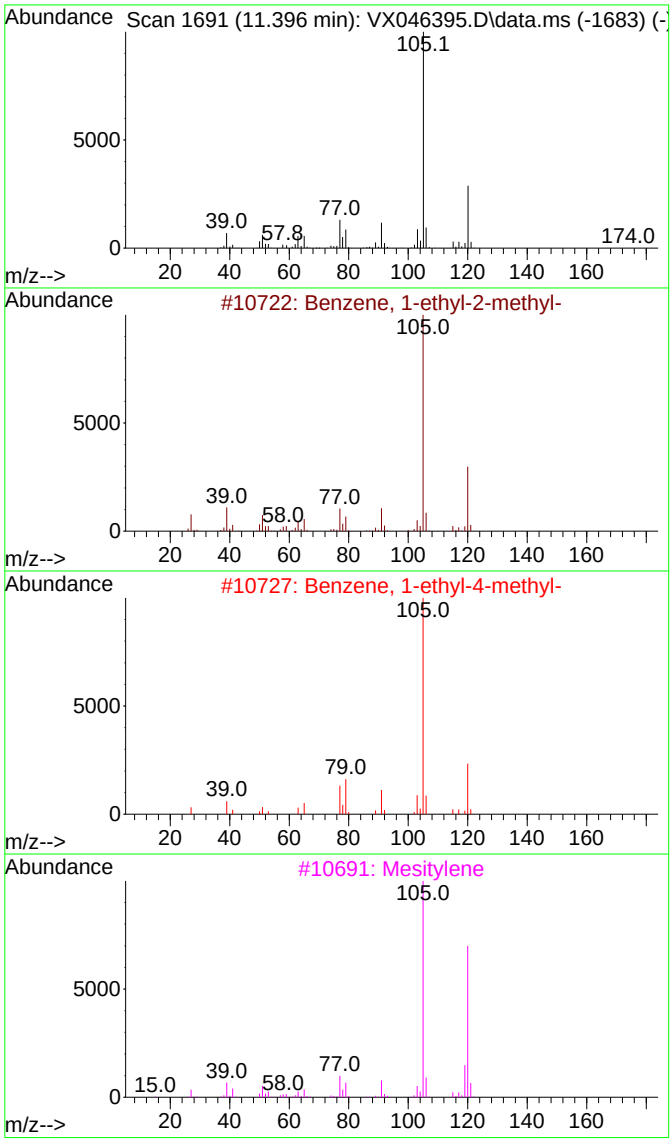
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

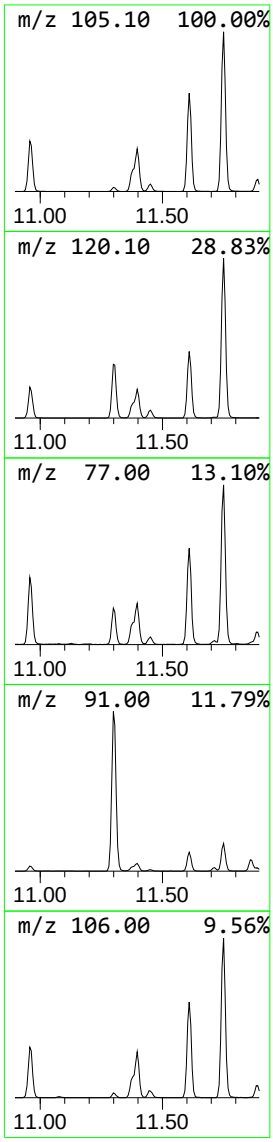
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.396	80.28 ug/l	546315	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

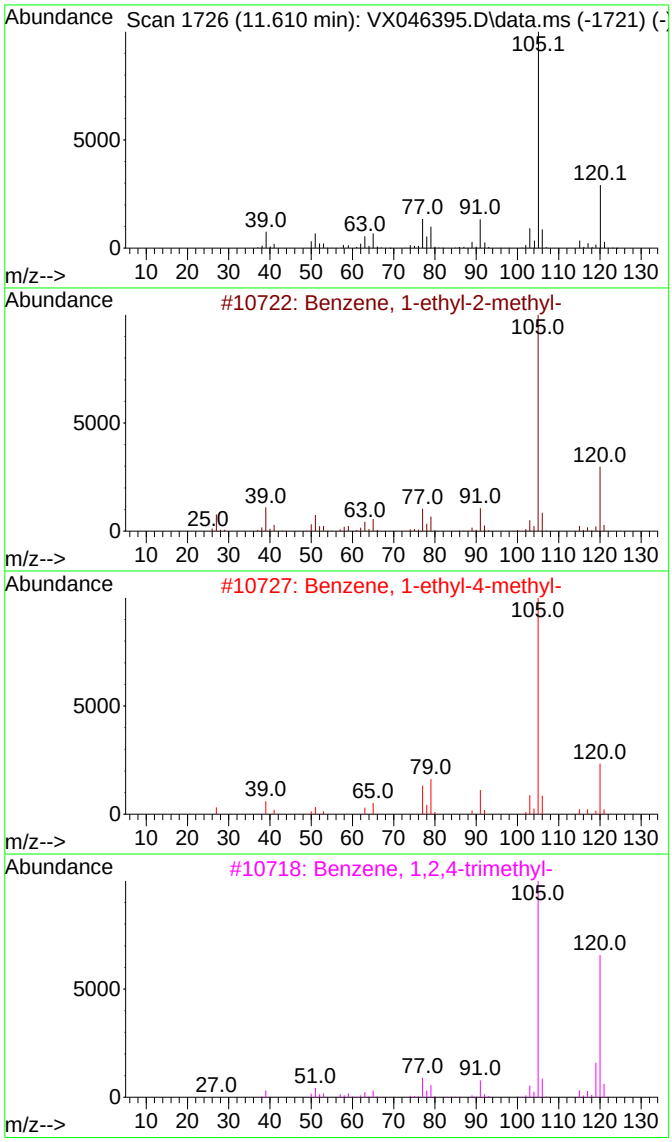
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

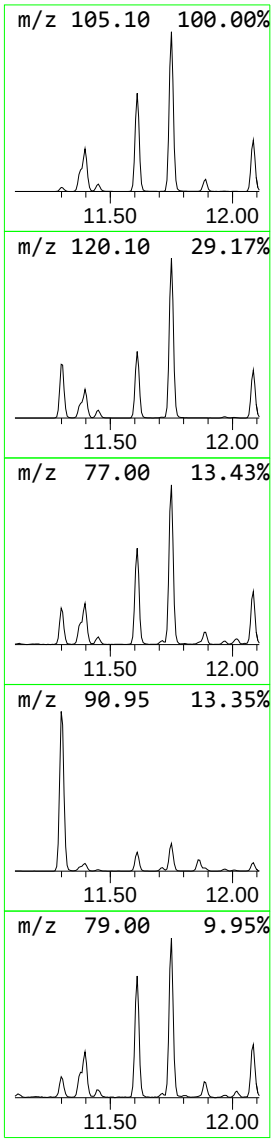
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	130.76 ug/l	889890	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
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Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

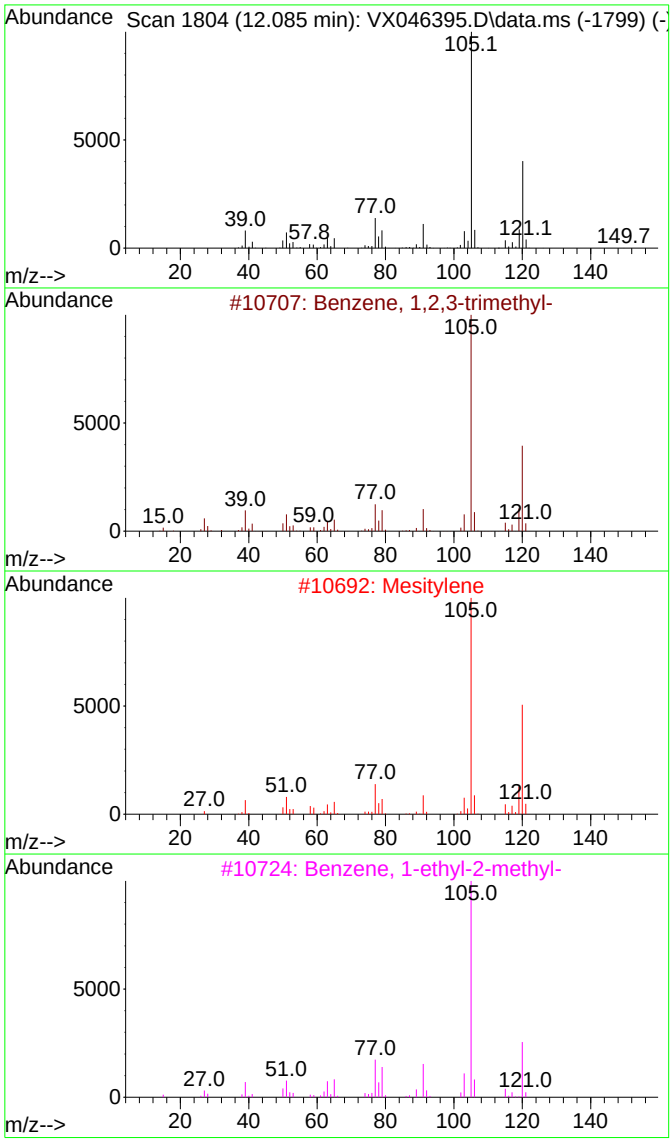
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

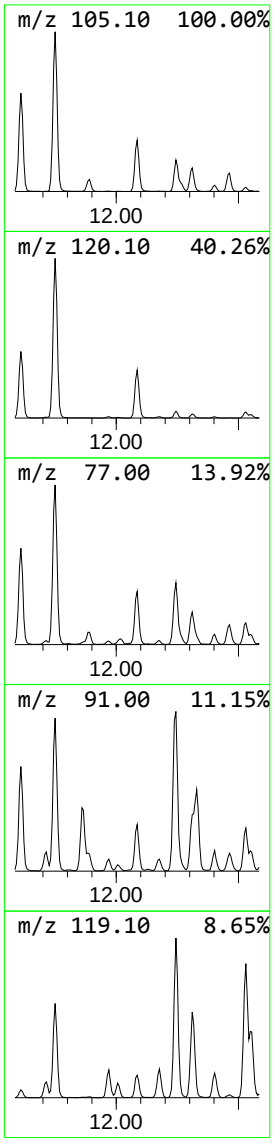
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	72.03 ug/l	490165	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

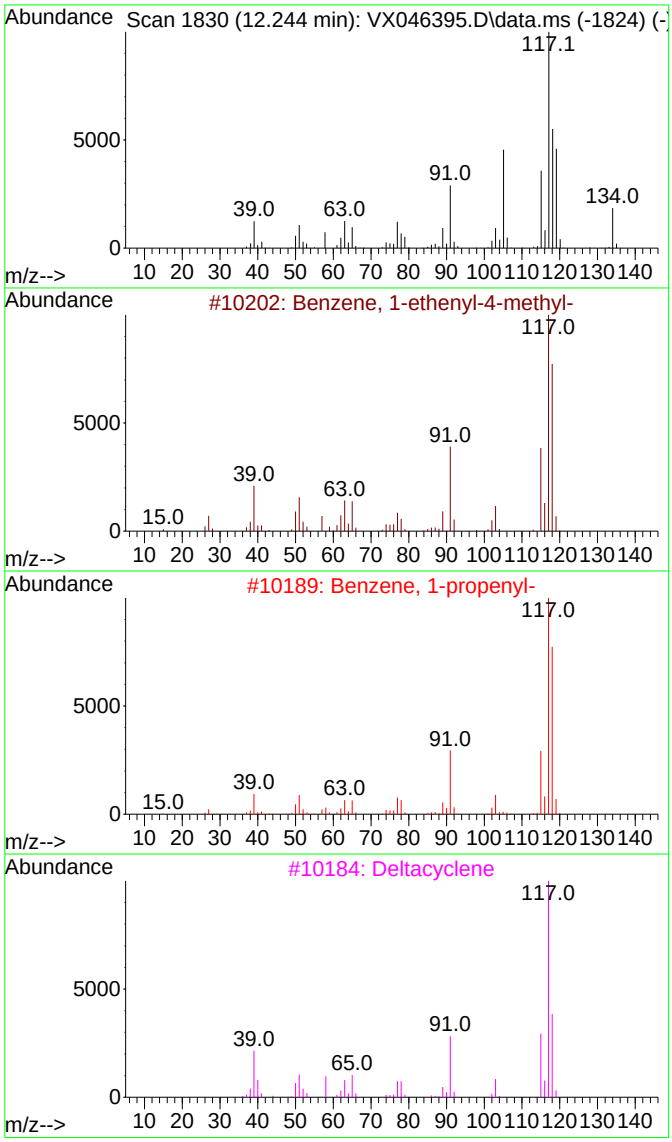
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

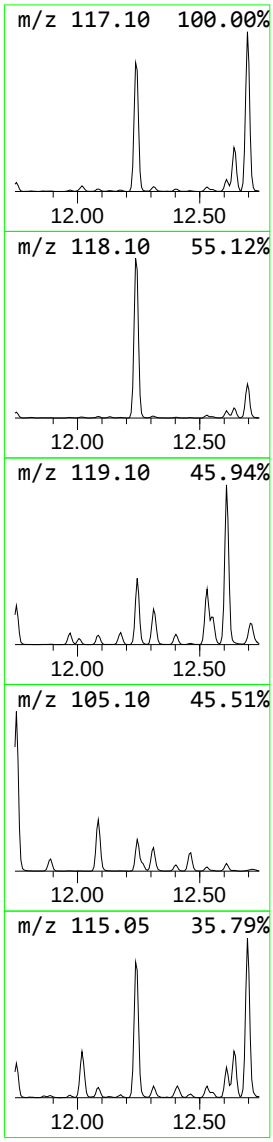
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethenyl-4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	196.27 ug/l	1335690	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Deltacyclene	118	C9H10	007785-10-6	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





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Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

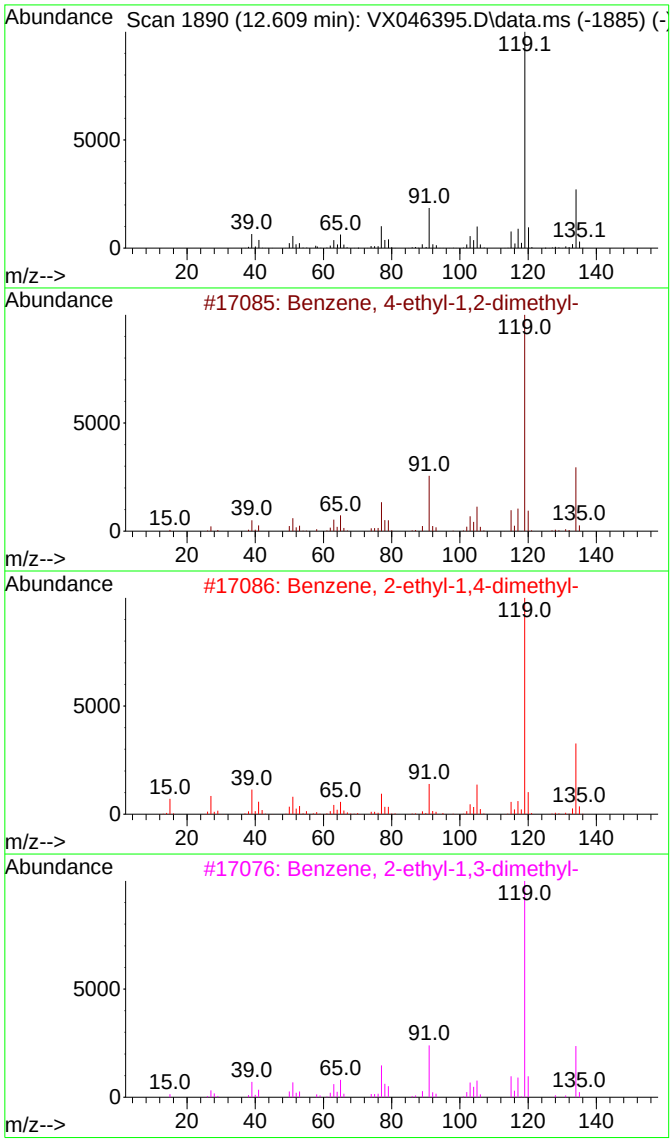
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

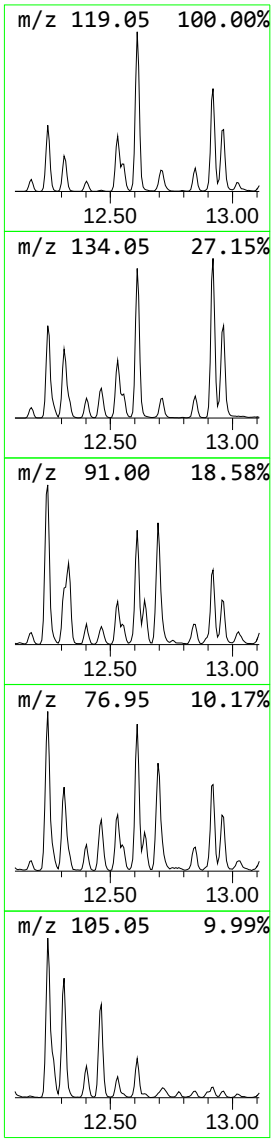
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	105.24 ug/l	716238	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





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Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

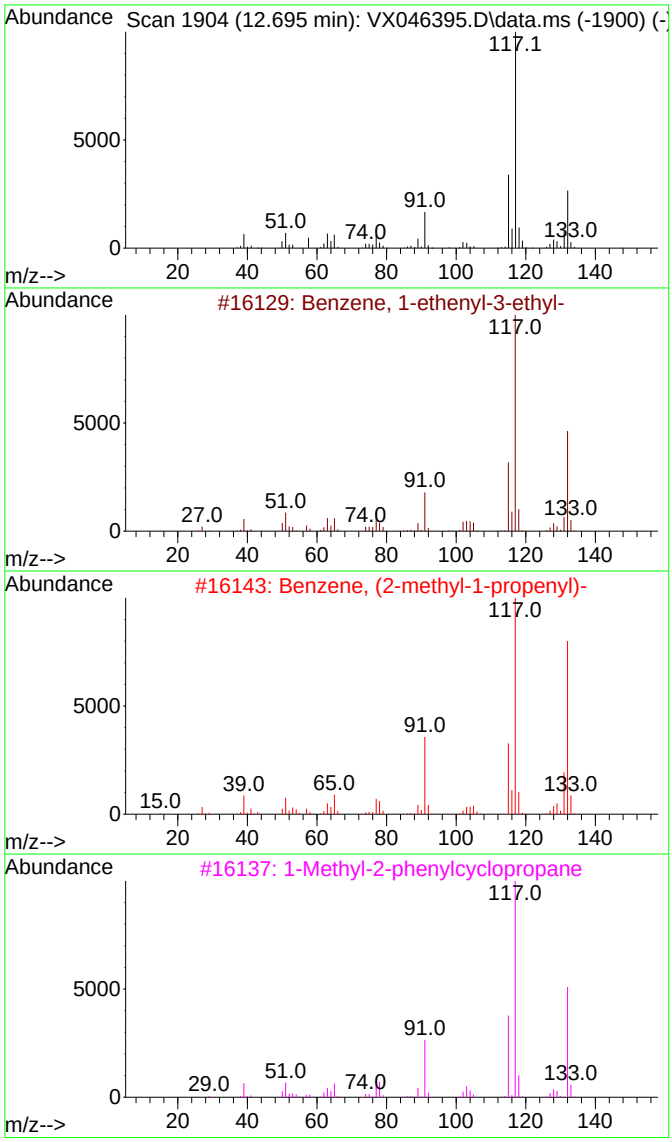
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

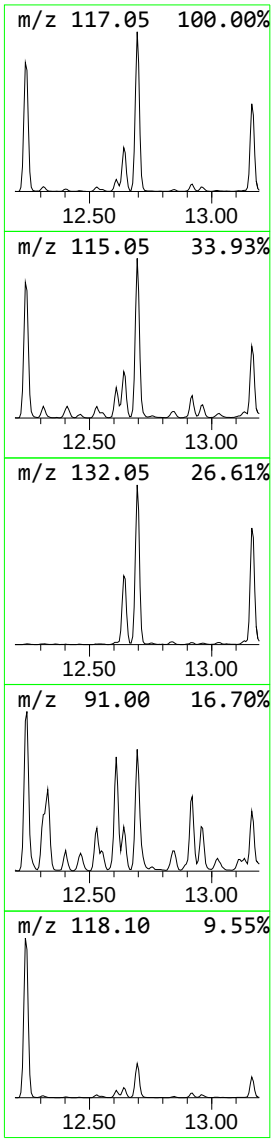
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	146.82 ug/l	999169	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





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Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

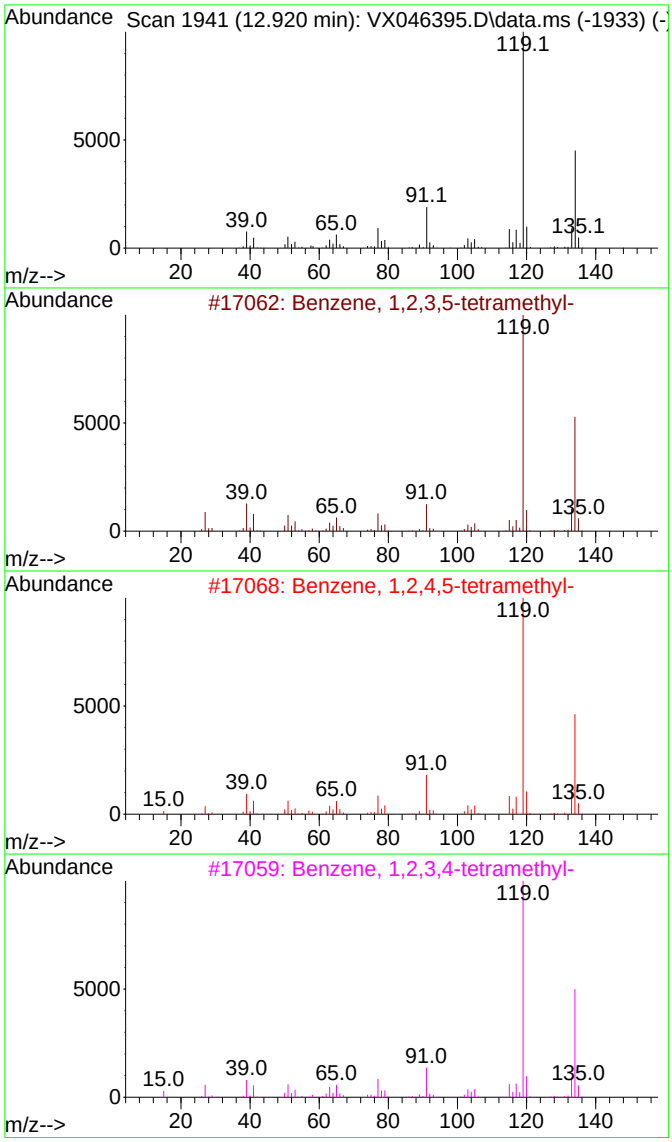
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

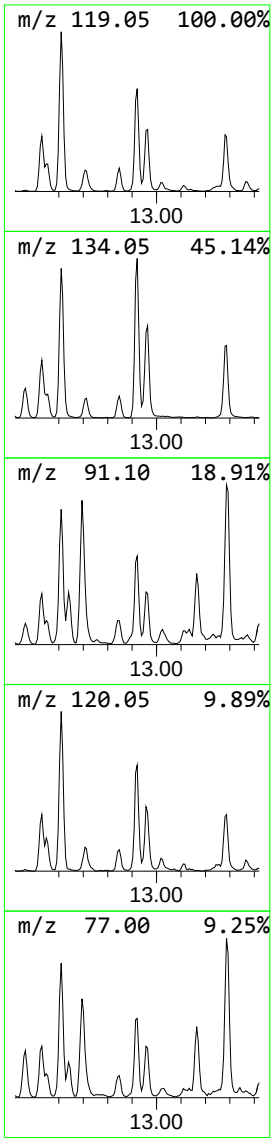
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	76.86 ug/l	523060	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





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Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

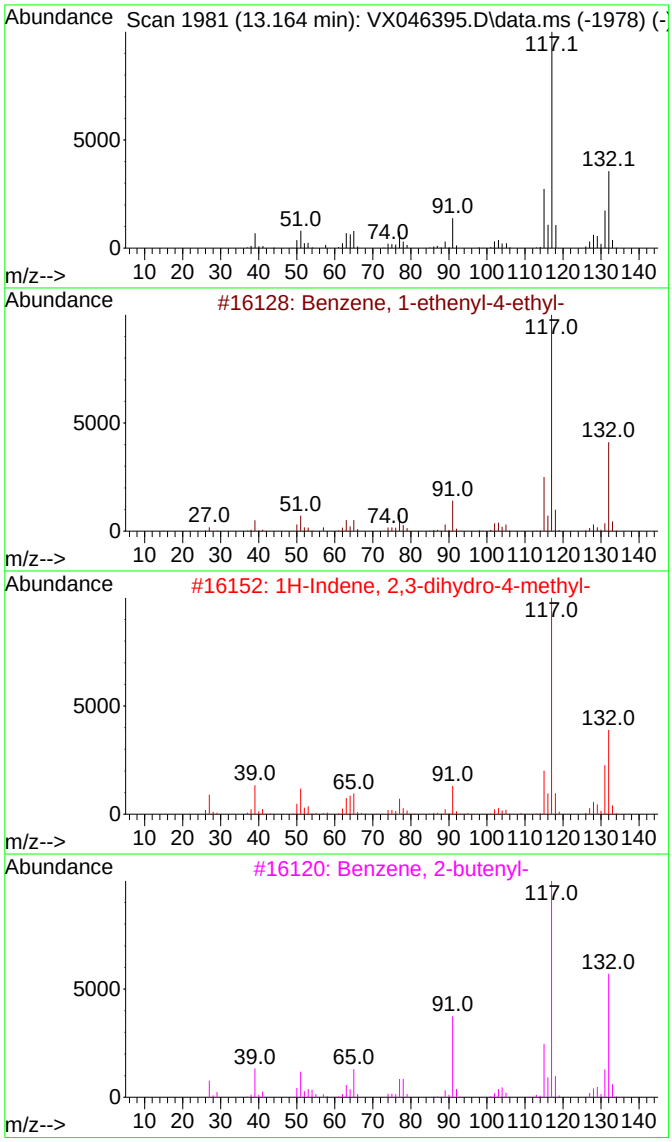
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

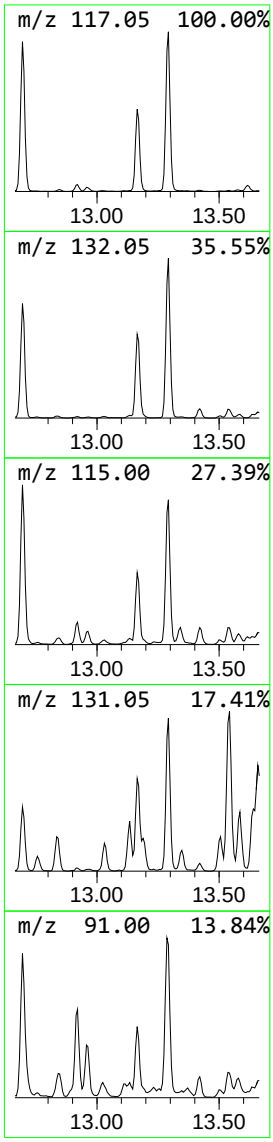
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	84.71 ug/l	576481	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

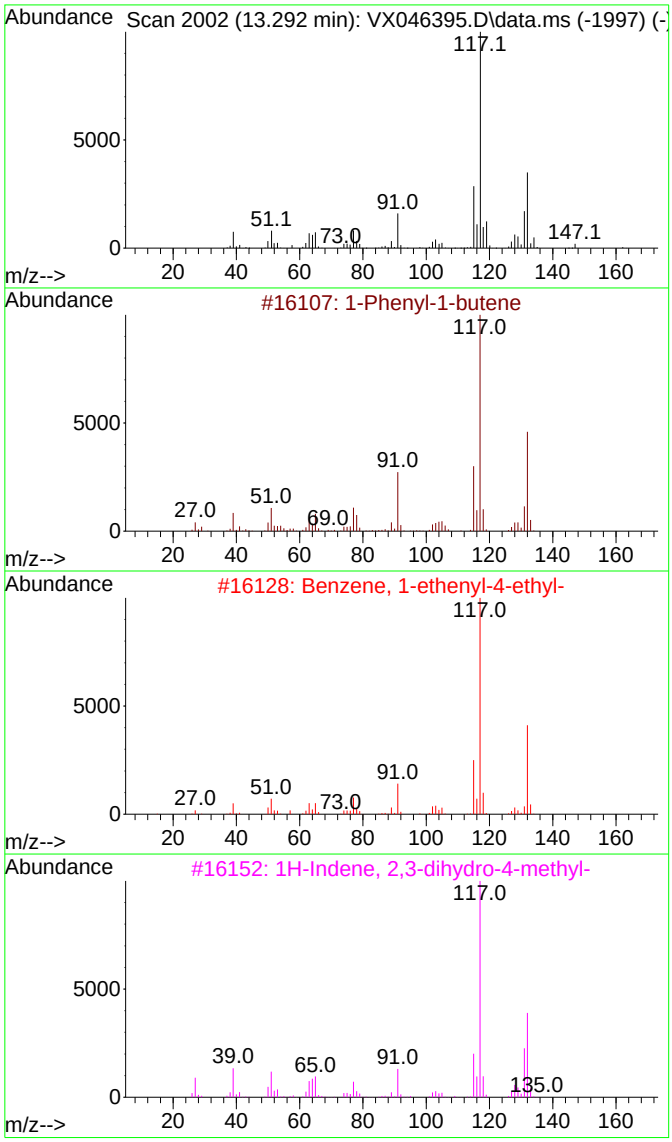
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

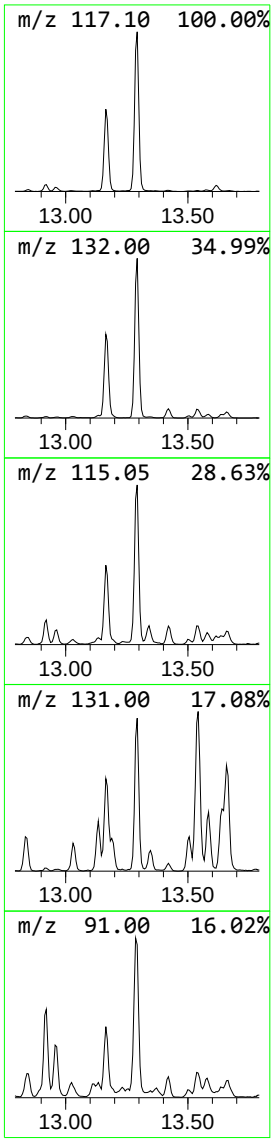
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	188.63 ug/l	1283710	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046395.D
Acq On : 29 May 2025 13:30
Operator : JC/MD
Sample : Q2134-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2-methyl-	2.819	138.1	ug/l	999560	1	5.550	361855	50.0
Pentane, 3-methyl-	3.099	126.4	ug/l	914488	1	5.550	361855	50.0
Cyclopentane, m...	4.300	93.8	ug/l	678654	1	5.550	361855	50.0
Pentane, 2,3-di...	5.617	108.2	ug/l	783196	1	5.550	361855	50.0
Butane, 2,2,3,3...	6.245	134.0	ug/l	875355	2	6.757	326535	50.0
2-Hexene, 3-met...	6.836	71.5	ug/l	467276	2	6.757	326535	50.0
Benzene, 1-ethy...	11.396	80.3	ug/l	546315	4	12.018	340274	50.0
Benzene, 1-ethy...	11.610	130.8	ug/l	889890	4	12.018	340274	50.0
Benzene, 1,2,3-...	12.085	72.0	ug/l	490165	4	12.018	340274	50.0
Benzene, 1-ethe...	12.244	196.3	ug/l	1335690	4	12.018	340274	50.0
Benzene, 4-ethy...	12.610	105.2	ug/l	716238	4	12.018	340274	50.0
Benzene, 1-ethe...	12.695	146.8	ug/l	999169	4	12.018	340274	50.0
Benzene, 1,2,3,...	12.920	76.9	ug/l	523060	4	12.018	340274	50.0
1H-Indene, 2,3-...	13.164	84.7	ug/l	576481	4	12.018	340274	50.0
1-Phenyl-1-butene	13.292	188.6	ug/l	1283710	4	12.018	340274	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046392.D
Acq On : 29 May 2025 12:18
Operator : JC/MD
Sample : VX0529WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Quant Time: May 30 01:24:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	60328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61645	54.810	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.620%			
35) Dibromofluoromethane	5.379	113	44127	50.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	8.647	98	152950	50.495	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	59524	51.230	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.460%			

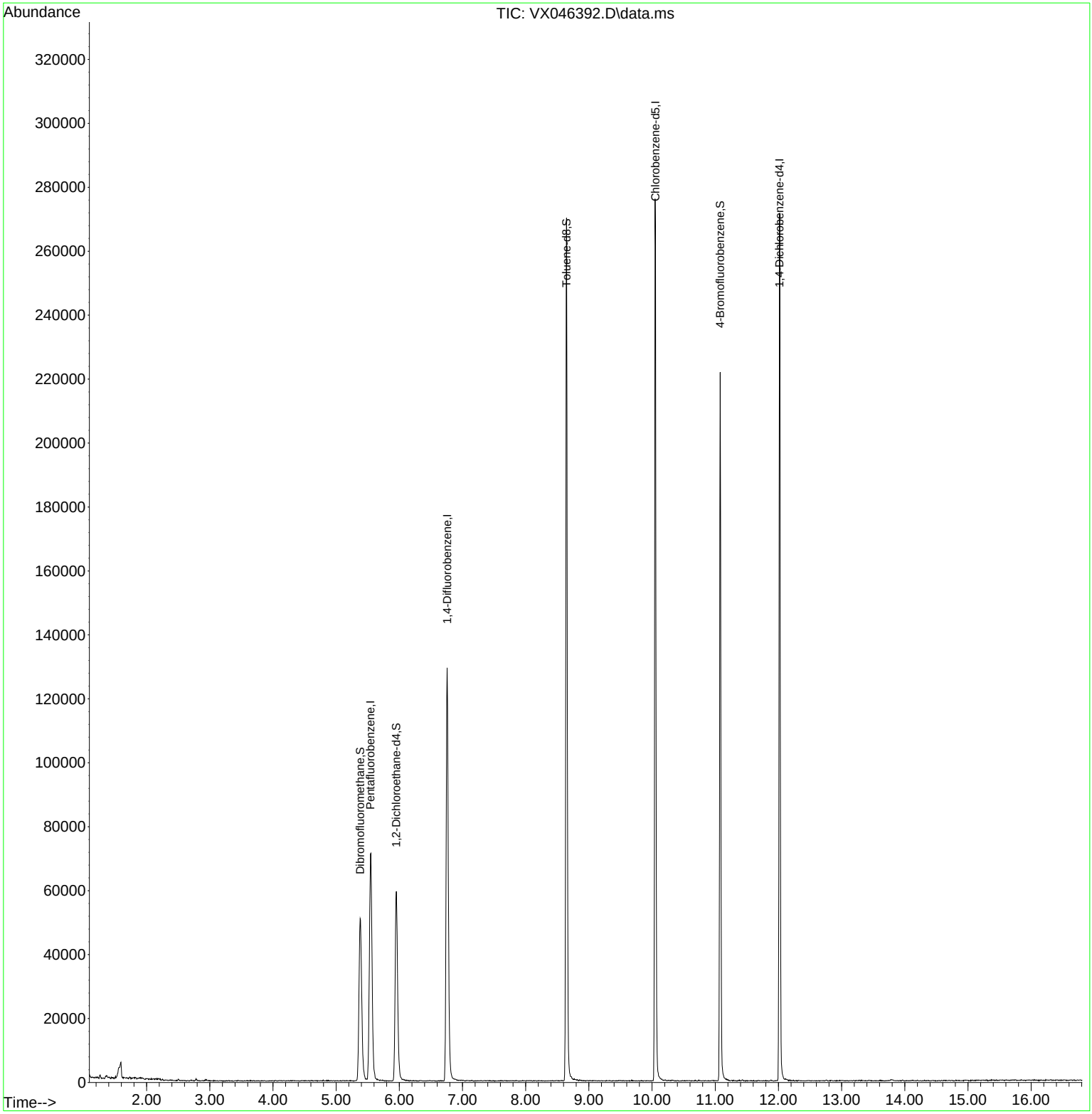
Target Compounds Qvalue

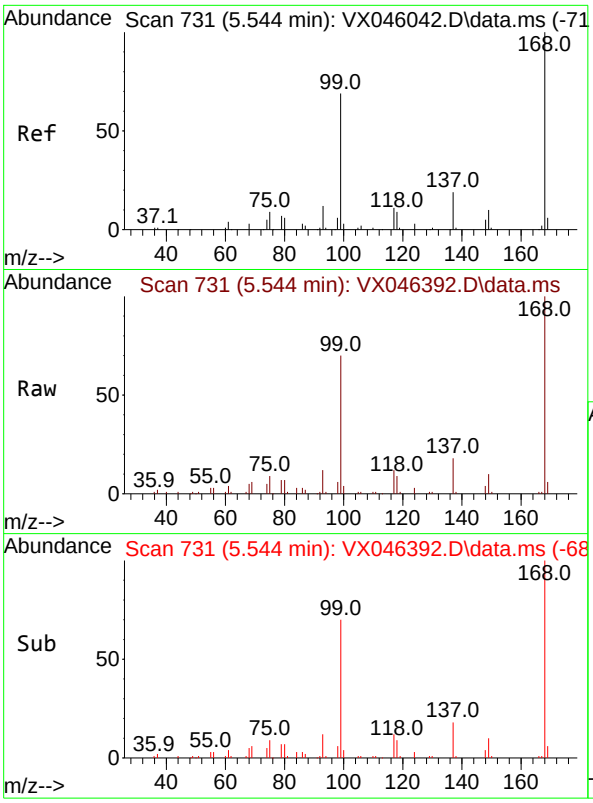
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046392.D
Acq On : 29 May 2025 12:18
Operator : JC/MD
Sample : VX0529WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Quant Time: May 30 01:24:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



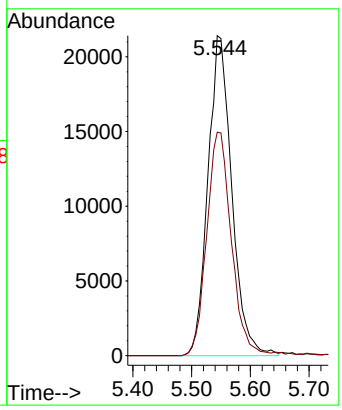


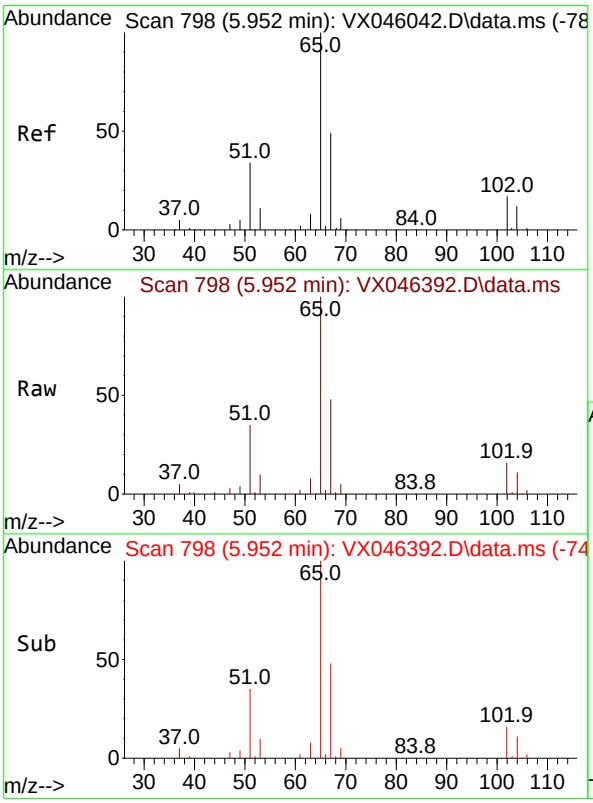
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Tgt Ion:168 Resp: 60328

Ion	Ratio	Lower	Upper
168	100		
99	69.8	54.9	82.3

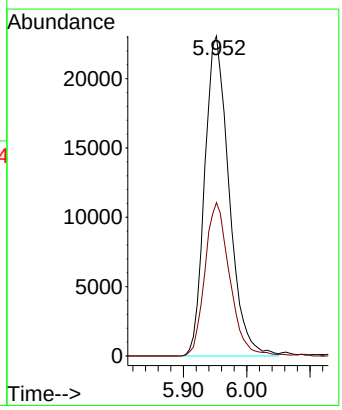


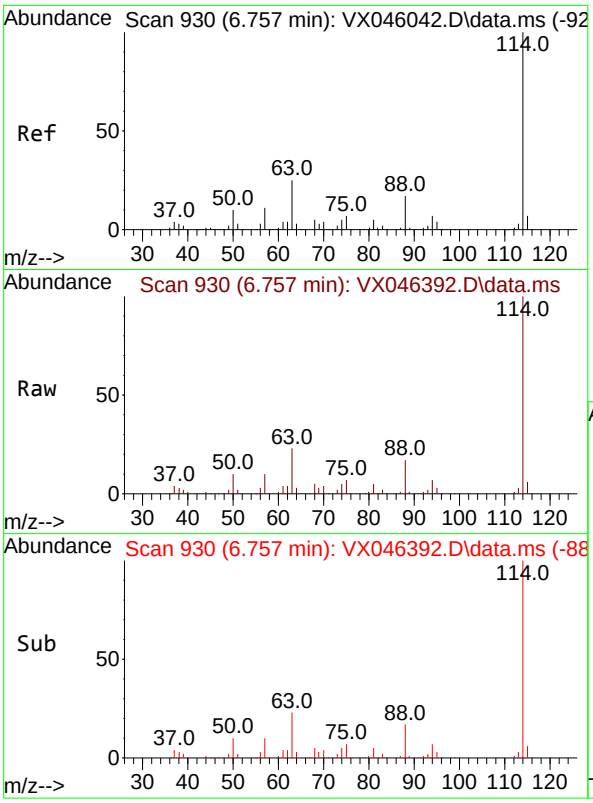


#33
1,2-Dichloroethane-d4
Concen: 54.810 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Tgt Ion: 65 Resp: 61645

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	99.0



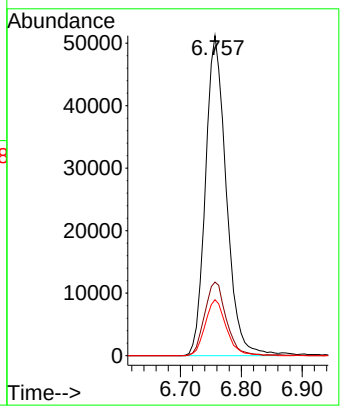


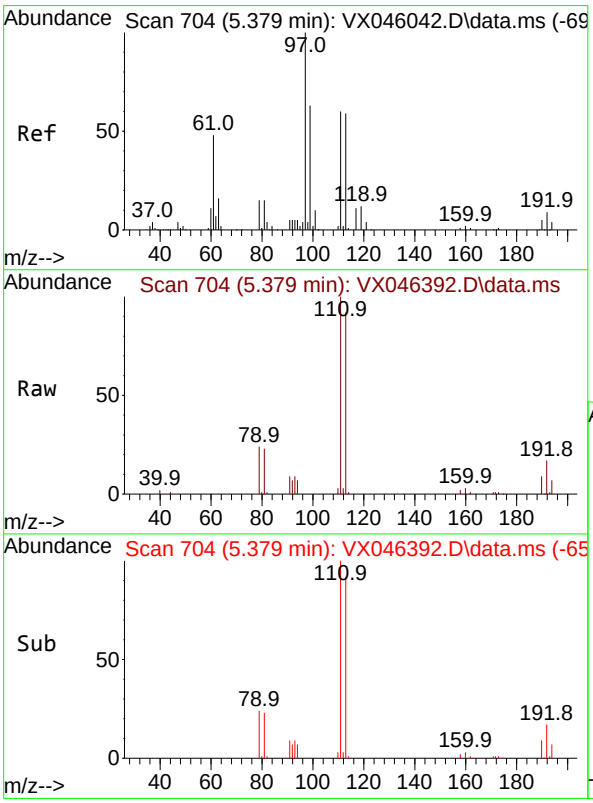
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Tgt Ion:114 Resp: 121532

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	49.2
88	17.5	0.0	33.6

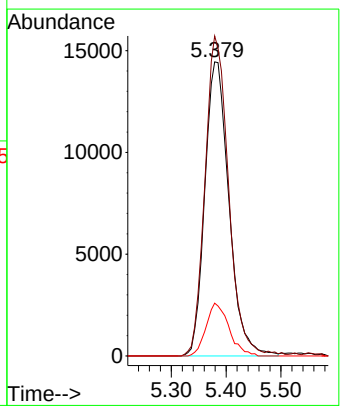


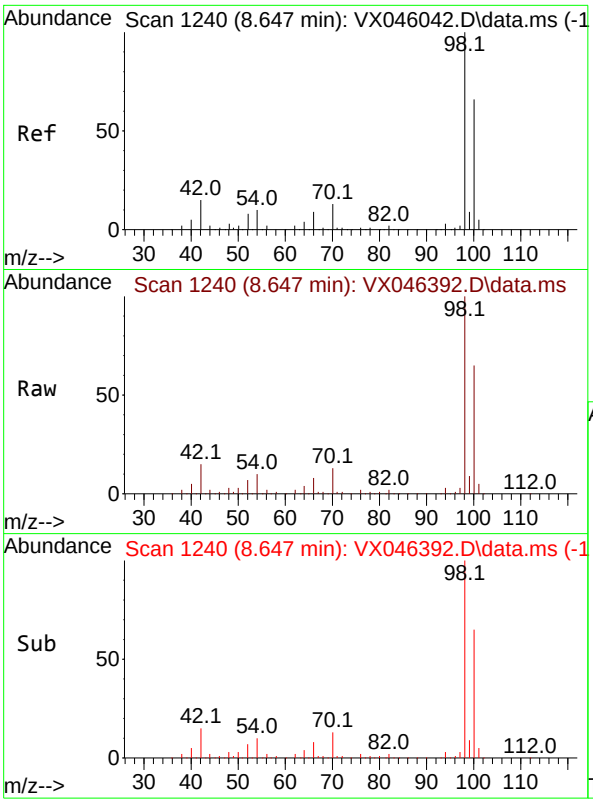


#35
Dibromofluoromethane
Concen: 50.422 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Tgt Ion:113 Resp: 44127

Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.1	124.7
192	17.1	13.3	19.9



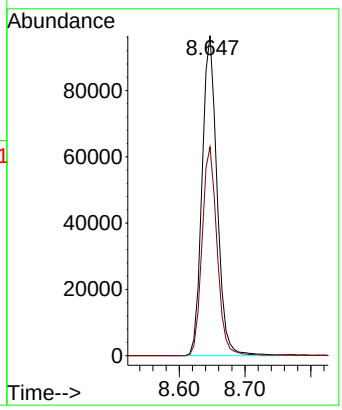


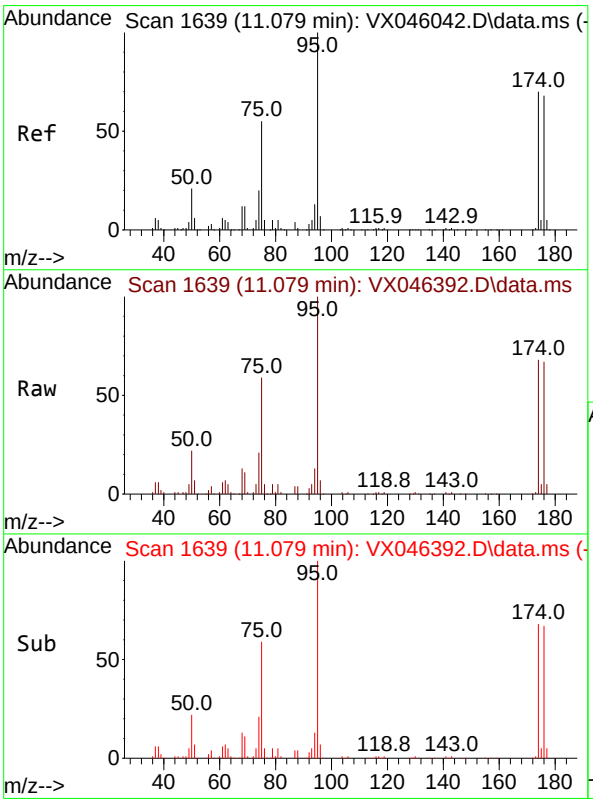
#50
Toluene-d8
Concen: 50.495 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Tgt Ion: 98 Resp: 152950

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.5	80.3

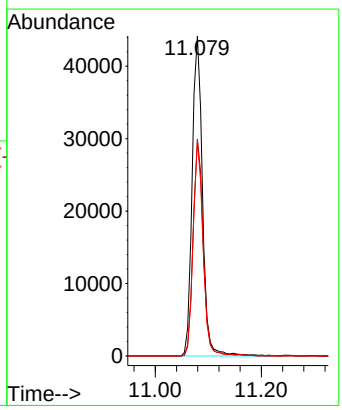




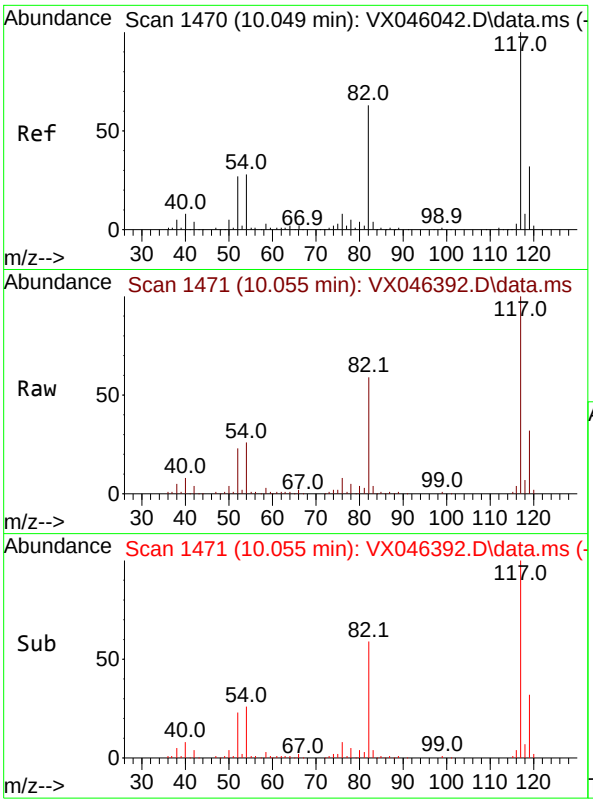
#62
4-Bromofluorobenzene
Concen: 51.230 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Tgt Ion: 95 Resp: 59524

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.4	0.0	131.4



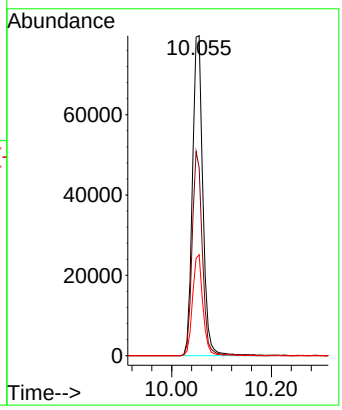
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

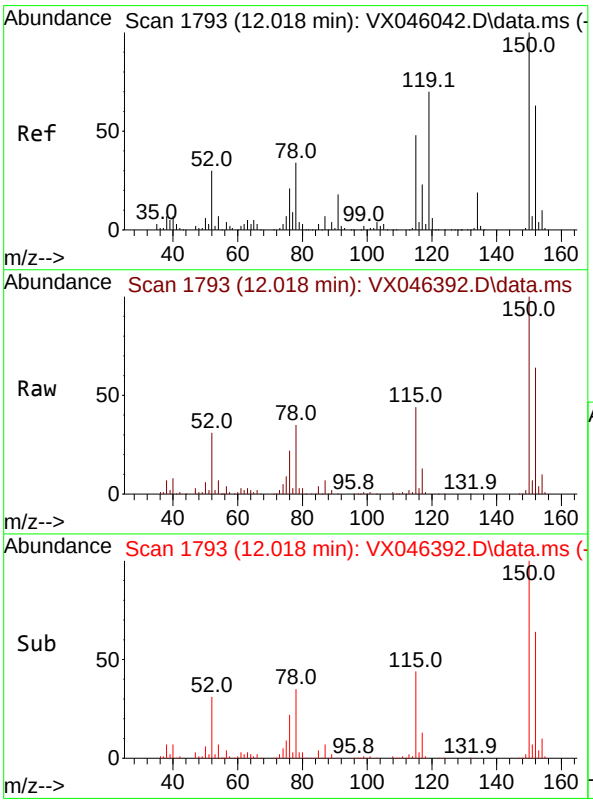


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Tgt Ion:117 Resp: 115333

Ion	Ratio	Lower	Upper
117	100		
82	58.7	50.6	76.0
119	31.6	25.8	38.6

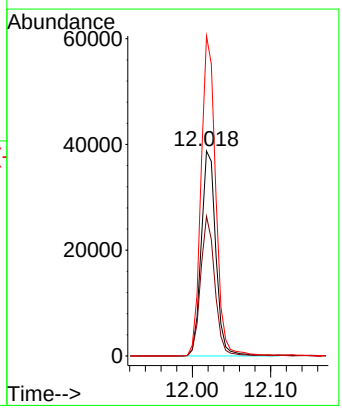




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046392.D
Acq: 29 May 2025 12:18

Tgt Ion:152 Resp: 50276

Ion	Ratio	Lower	Upper
152	100		
115	66.4	46.9	140.7
150	156.4	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046392.D
Acq On : 29 May 2025 12:18
Operator : JC/MD
Sample : VX0529WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

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_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046392.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.563	70	78	79	rBV3	3280	6038	1.41%	0.262%
2	1.593	79	83	87	rVB4	4823	7619	1.77%	0.331%
3	5.379	694	704	718	rBV	50691	151320	35.23%	6.577%
4	5.550	722	732	750	rVB	70933	203465	47.37%	8.843%
5	5.952	786	798	813	rBV	59282	160098	37.28%	6.958%
6	6.757	921	930	948	rBV	129243	311889	72.62%	13.555%
7	8.647	1234	1240	1252	rBV	269736	429504	100.00%	18.667%
8	10.049	1465	1470	1486	rBV	275813	394245	91.79%	17.135%
9	11.079	1634	1639	1655	rBV	221434	291897	67.96%	12.686%
10	12.018	1788	1793	1807	rBV	271353	344793	80.28%	14.985%

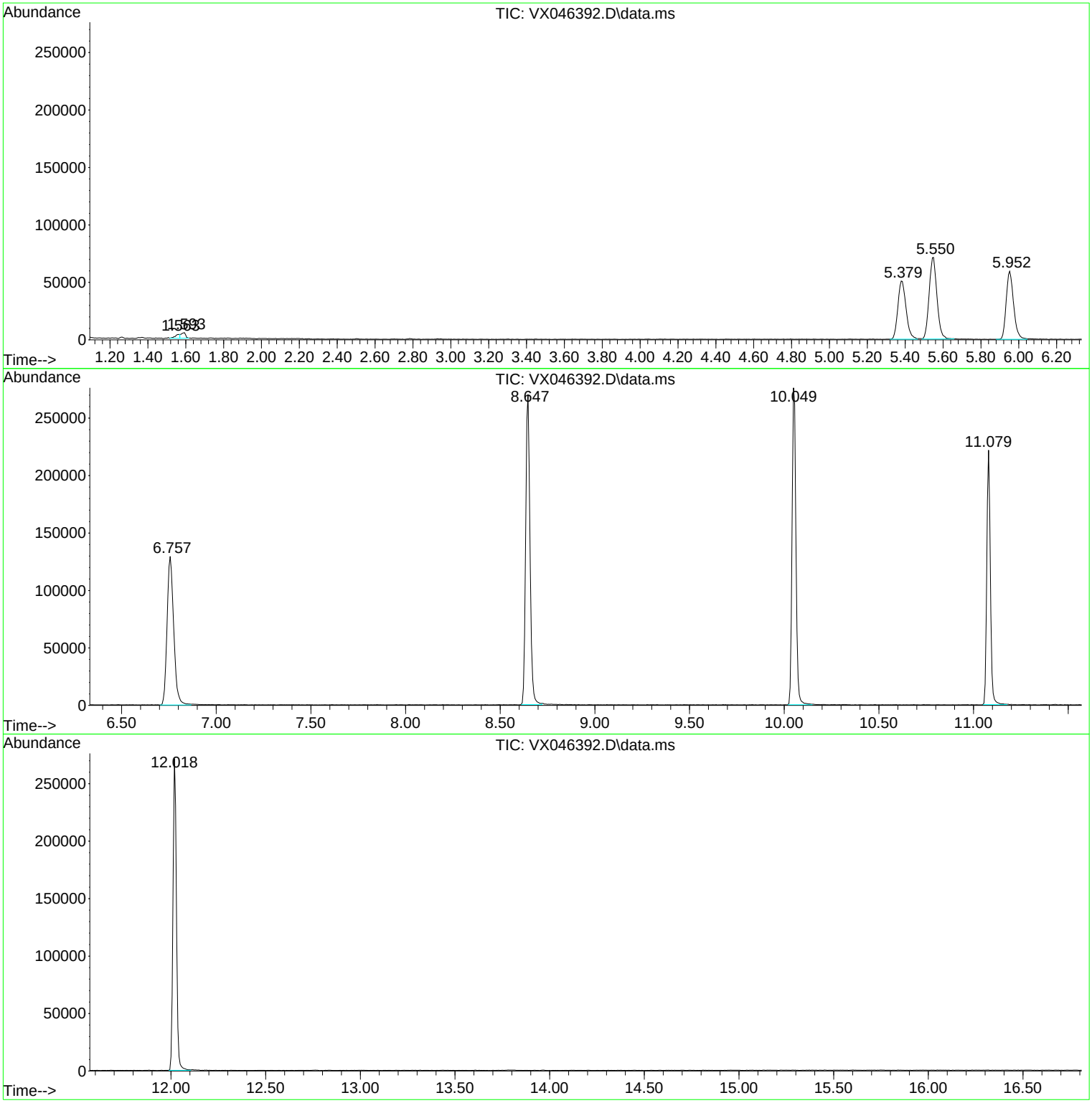
Sum of corrected areas: 2300868

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046392.D
Acq On : 29 May 2025 12:18
Operator : JC/MD
Sample : VX0529WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046392.D
Acq On : 29 May 2025 12:18
Operator : JC/MD
Sample : VX0529WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046392.D
Acq On : 29 May 2025 12:18
Operator : JC/MD
Sample : VX0529WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046393.D
Acq On : 29 May 2025 12:41
Operator : JC/MD
Sample : VX0529WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 01:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	84888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151471	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83217	52.583	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	5.385	113	57250	52.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.980%			
50) Toluene-d8	8.647	98	190573	50.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	74909	51.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23789	18.310	ug/l	97
3) Chloromethane	1.307	50	22436	17.807	ug/l	98
4) Vinyl Chloride	1.374	62	20989	17.899	ug/l	99
5) Bromomethane	1.599	94	9973	18.336	ug/l	99
6) Chloroethane	1.672	64	11977	19.132	ug/l	91
7) Trichlorofluoromethane	1.880	101	33736	19.466	ug/l	95
8) Diethyl Ether	2.136	74	11647	19.742	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	21454	20.004	ug/l	99
10) Methyl Iodide	2.447	142	22398	17.649	ug/l	100
11) Tert butyl alcohol	2.971	59	25298	113.880	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18834	18.711	ug/l	92
13) Acrolein	2.239	56	21227	83.904	ug/l	99
14) Allyl chloride	2.660	41	38746	20.141	ug/l	97
15) Acrylonitrile	3.062	53	69367	109.202	ug/l	97
16) Acetone	2.379	43	68363	107.736	ug/l	99
17) Carbon Disulfide	2.507	76	34850	14.604	ug/l	98
18) Methyl Acetate	2.703	43	38609	26.221	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	73203	20.744	ug/l	98
20) Methylene Chloride	2.788	84	22853	18.794	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	19267	19.034	ug/l	95
22) Diisopropyl ether	3.757	45	79234	21.323	ug/l	94
23) Vinyl Acetate	3.721	43	329920	100.946	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43235	20.890	ug/l	99
25) 2-Butanone	4.556	43	102835	111.629	ug/l	100
26) 2,2-Dichloropropane	4.471	77	30734	18.972	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24515	20.118	ug/l	99
28) Bromochloromethane	4.891	49	22421	22.506	ug/l	97
29) Tetrahydrofuran	5.001	42	64512	111.756	ug/l	98
30) Chloroform	5.086	83	45854	21.256	ug/l	93
31) Cyclohexane	5.464	56	34383	18.230	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	38729	20.710	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27445	18.727	ug/l	99
37) Ethyl Acetate	4.721	43	34938	19.296	ug/l	99
38) Carbon Tetrachloride	5.672	117	32514	19.746	ug/l	95
39) Methylcyclohexane	7.379	83	32492	17.221	ug/l	92
40) Benzene	6.031	78	86347	20.115	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046393.D
Acq On : 29 May 2025 12:41
Operator : JC/MD
Sample : VX0529WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 01:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20407	21.545	ug/l		95
42) 1,2-Dichloroethane	6.086	62	38682	20.879	ug/l		99
43) Isopropyl Acetate	6.342	43	57766	20.912	ug/l		98
44) Trichloroethene	7.123	130	20171	19.523	ug/l		98
45) 1,2-Dichloropropane	7.427	63	22660	21.229	ug/l		99
46) Dibromomethane	7.580	93	17256	20.497	ug/l		99
47) Bromodichloromethane	7.818	83	34380	20.734	ug/l		97
48) Methyl methacrylate	7.689	41	29593	20.977	ug/l		99
49) 1,4-Dioxane	7.659	88	12268	458.005	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	206001	112.350	ug/l		97
52) Toluene	8.714	92	52383	19.901	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	27807	18.867	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	32282	19.818	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	22128	21.320	ug/l		97
56) Ethyl methacrylate	9.116	69	34613	20.925	ug/l		98
57) 1,3-Dichloropropane	9.305	76	39467	21.174	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	94016	111.483	ug/l		99
59) 2-Hexanone	9.427	43	152816	112.652	ug/l		100
60) Dibromochloromethane	9.518	129	23194	20.349	ug/l		99
61) 1,2-Dibromoethane	9.604	107	22587	20.938	ug/l		99
64) Tetrachloroethene	9.268	164	17634	18.811	ug/l		97
65) Chlorobenzene	10.079	112	58187	20.065	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20493	20.695	ug/l		100
67) Ethyl Benzene	10.189	91	101449	19.846	ug/l		99
68) m/p-Xylenes	10.299	106	74167	39.669	ug/l		95
69) o-Xylene	10.640	106	37299	20.464	ug/l		96
70) Styrene	10.652	104	63179	21.160	ug/l		99
71) Bromoform	10.799	173	14699	19.771	ug/l	#	94
73) Isopropylbenzene	10.957	105	100754	20.823	ug/l		99
74) N-amyl acetate	10.841	43	49466	20.689	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35797	21.111	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	31023m	20.737	ug/l		
77) Bromobenzene	11.195	156	22619	20.135	ug/l		98
78) n-propylbenzene	11.299	91	114452	20.343	ug/l		100
79) 2-Chlorotoluene	11.360	91	72648	20.020	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	84903	21.003	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8240	17.932	ug/l		90
82) 4-Chlorotoluene	11.451	91	82837	20.584	ug/l		100
83) tert-Butylbenzene	11.713	119	84249	20.691	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	86210	21.060	ug/l		99
85) sec-Butylbenzene	11.890	105	104225	20.847	ug/l		99
86) p-Isopropyltoluene	12.006	119	84403	20.453	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	42022	20.497	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	42130	20.122	ug/l		98
89) n-Butylbenzene	12.329	91	71674	19.800	ug/l		99
90) Hexachloroethane	12.536	117	14451	19.877	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42269	20.546	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7555	20.112	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22555	19.088	ug/l		98
94) Hexachlorobutadiene	13.725	225	10042	19.459	ug/l		97
95) Naphthalene	13.774	128	82628	19.066	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23925	19.623	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046393.D
Acq On : 29 May 2025 12:41
Operator : JC/MD
Sample : VX0529WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 01:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

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

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

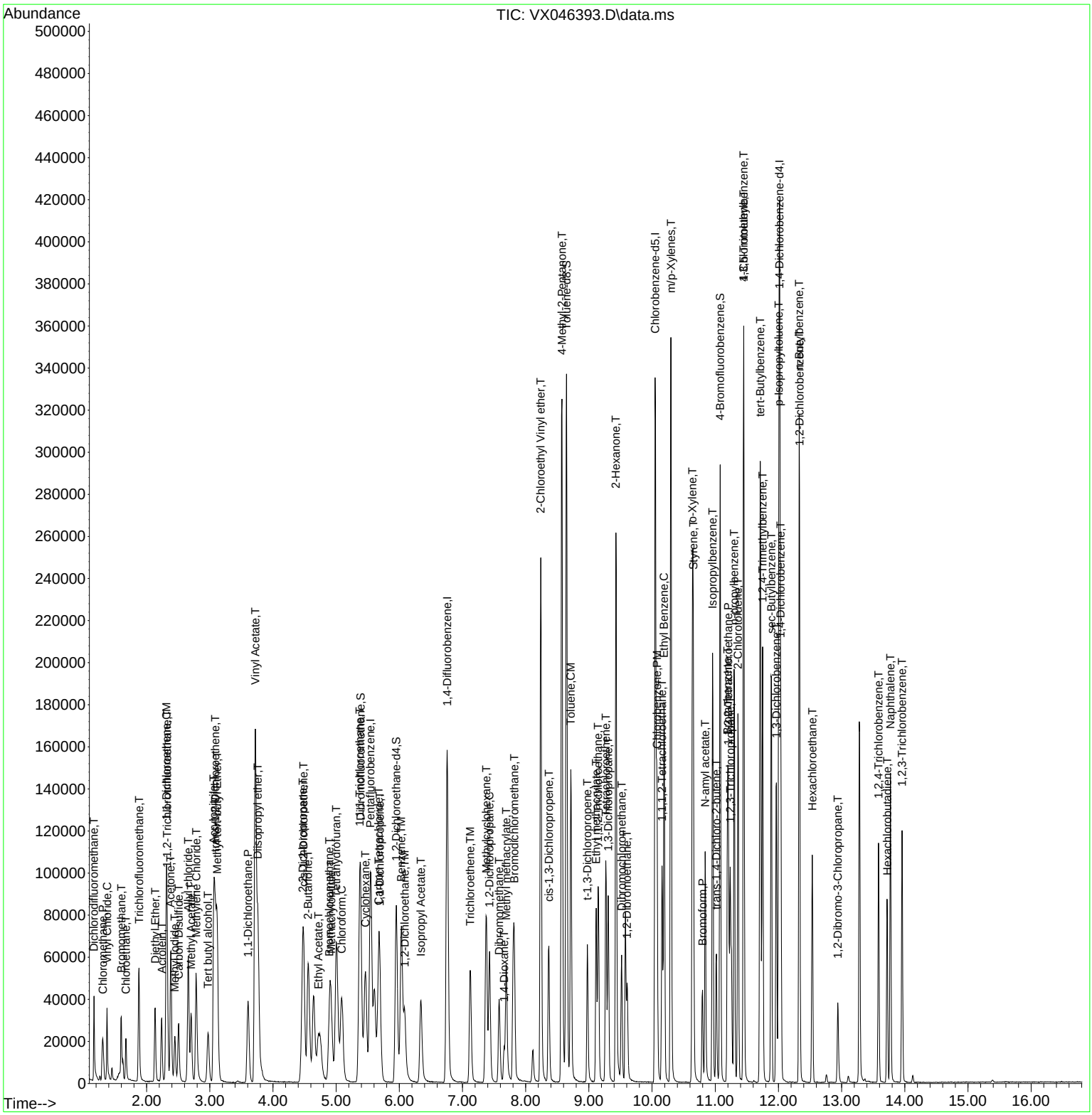
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046393.D
Acq On : 29 May 2025 12:41
Operator : JC/MD
Sample : VX0529WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 01:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046394.D
Acq On : 29 May 2025 13:06
Operator : JC/MD
Sample : VX0529WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 01:26:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	81952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82013	53.679	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.360%			
35) Dibromofluoromethane	5.379	113	54900	52.770	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.540%			
50) Toluene-d8	8.647	98	182438	50.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	72649	52.597	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	22489	17.929	ug/l	100
3) Chloromethane	1.307	50	21494	17.670	ug/l	99
4) Vinyl Chloride	1.374	62	19694	17.396	ug/l	97
5) Bromomethane	1.593	94	9526	18.142	ug/l	99
6) Chloroethane	1.673	64	11472	18.982	ug/l	94
7) Trichlorofluoromethane	1.874	101	32862	19.641	ug/l	98
8) Diethyl Ether	2.130	74	11213	19.687	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	20279	19.586	ug/l	98
10) Methyl Iodide	2.447	142	22087	18.028	ug/l	98
11) Tert butyl alcohol	2.971	59	24247	113.059	ug/l	100
12) 1,1-Dichloroethene	2.313	96	17969	18.491	ug/l	98
13) Acrolein	2.233	56	21866	89.527	ug/l	99
14) Allyl chloride	2.660	41	37710	20.305	ug/l	95
15) Acrylonitrile	3.063	53	69304	113.012	ug/l	98
16) Acetone	2.380	43	66906	109.217	ug/l	98
17) Carbon Disulfide	2.508	76	33194	14.408	ug/l	97
18) Methyl Acetate	2.703	43	38510	27.090	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	71589	21.013	ug/l	99
20) Methylene Chloride	2.788	84	22367	19.053	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	18030	18.450	ug/l	97
22) Diisopropyl ether	3.758	45	78793	21.964	ug/l	92
23) Vinyl Acetate	3.715	43	328860	104.226	ug/l	99
24) 1,1-Dichloroethane	3.605	63	41750	20.895	ug/l	97
25) 2-Butanone	4.556	43	101879	114.554	ug/l	97
26) 2,2-Dichloropropane	4.471	77	28968	18.522	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	23470	19.950	ug/l	99
28) Bromochloromethane	4.891	49	22454	23.346	ug/l	95
29) Tetrahydrofuran	5.001	42	62336	111.855	ug/l	99
30) Chloroform	5.087	83	44762	21.493	ug/l	89
31) Cyclohexane	5.458	56	33570	18.437	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	36924	20.453	ug/l	99
36) 1,1-Dichloropropene	5.684	75	27212	19.467	ug/l	99
37) Ethyl Acetate	4.715	43	36556	21.167	ug/l	99
38) Carbon Tetrachloride	5.666	117	30587	19.475	ug/l	96
39) Methylcyclohexane	7.373	83	31881	17.716	ug/l	96
40) Benzene	6.032	78	82338	20.110	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046394.D
Acq On : 29 May 2025 13:06
Operator : JC/MD
Sample : VX0529WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 01:26:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21697	24.016	ug/l		99
42) 1,2-Dichloroethane	6.080	62	37771	21.374	ug/l		99
43) Isopropyl Acetate	6.336	43	58502	22.204	ug/l		97
44) Trichloroethene	7.123	130	19149	19.432	ug/l		95
45) 1,2-Dichloropropane	7.428	63	22707	22.303	ug/l		99
46) Dibromomethane	7.580	93	16801	20.923	ug/l		99
47) Bromodichloromethane	7.818	83	33947	21.465	ug/l		93
48) Methyl methacrylate	7.690	41	30253	22.484	ug/l		96
49) 1,4-Dioxane	7.659	88	12047	471.533	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	206932	118.323	ug/l		97
52) Toluene	8.714	92	50222	20.004	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	27727	19.724	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	32128	20.678	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	22171	22.396	ug/l		97
56) Ethyl methacrylate	9.116	69	34650	21.961	ug/l		99
57) 1,3-Dichloropropane	9.305	76	38244	21.511	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	93001	115.620	ug/l		99
59) 2-Hexanone	9.427	43	151208	116.864	ug/l		100
60) Dibromochloromethane	9.519	129	23437	21.557	ug/l		98
61) 1,2-Dibromoethane	9.604	107	22311	21.684	ug/l		97
64) Tetrachloroethene	9.269	164	17830	19.479	ug/l		94
65) Chlorobenzene	10.073	112	56806	20.062	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19206	19.864	ug/l		96
67) Ethyl Benzene	10.189	91	99081	19.851	ug/l		100
68) m/p-Xylenes	10.299	106	73785	40.419	ug/l		99
69) o-Xylene	10.640	106	36023	20.241	ug/l		95
70) Styrene	10.653	104	61440	21.075	ug/l		98
71) Bromoform	10.799	173	14477	19.943	ug/l	#	97
73) Isopropylbenzene	10.957	105	99638	20.768	ug/l		98
74) N-amyl acetate	10.842	43	49706	20.967	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	35870	21.335	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	31092m	20.961	ug/l		
77) Bromobenzene	11.195	156	22725	20.403	ug/l		98
78) n-propylbenzene	11.299	91	112966	20.251	ug/l		99
79) 2-Chlorotoluene	11.360	91	72447	20.135	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83882	20.928	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8371	18.373	ug/l		90
82) 4-Chlorotoluene	11.451	91	82395	20.650	ug/l		99
83) tert-Butylbenzene	11.713	119	83328	20.640	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	85062	20.957	ug/l		99
85) sec-Butylbenzene	11.890	105	103878	20.955	ug/l		100
86) p-Isopropyltoluene	12.006	119	84483	20.647	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	41040	20.189	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	41947	20.206	ug/l		99
89) n-Butylbenzene	12.329	91	71334	19.875	ug/l		99
90) Hexachloroethane	12.536	117	14028	19.460	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42678	20.922	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7472	20.062	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	22430	19.144	ug/l		100
94) Hexachlorobutadiene	13.719	225	10243	20.018	ug/l		98
95) Naphthalene	13.774	128	84078	19.566	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	23992	19.846	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046394.D
Acq On : 29 May 2025 13:06
Operator : JC/MD
Sample : VX0529WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 01:26:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
Data File : VX046394.D
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Operator : JC/MD
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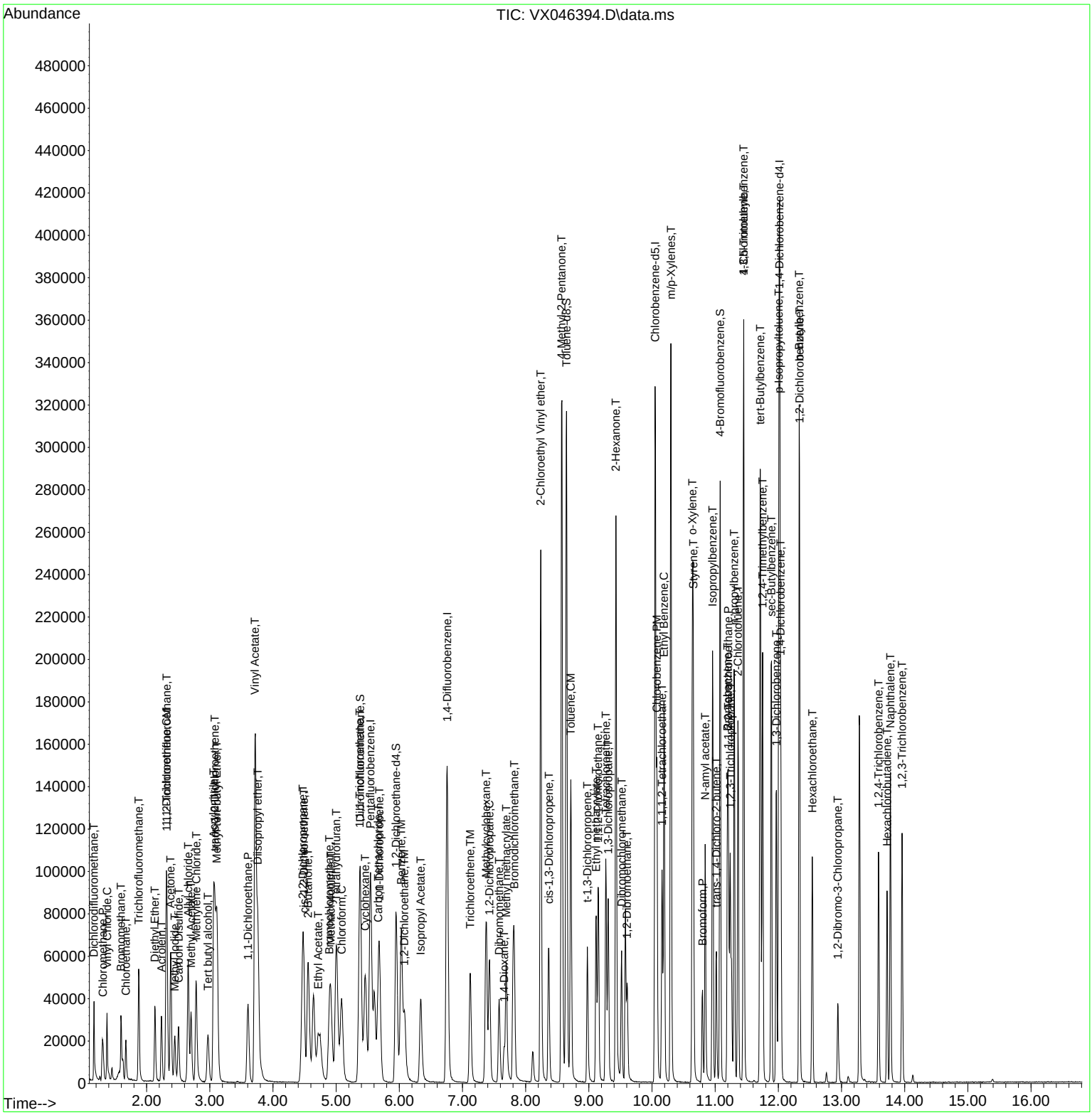
Quant Time: May 30 01:26:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vx052925	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046390.D	1,2,3-Trichloropropane	JOHN	5/30/2025 9:45:45 AM	MMDadoda	5/30/2025 12:22:38 PM	Peak Integrated by Software
VX0529WBS01	VX046393.D	1,2,3-Trichloropropane	JOHN	5/30/2025 9:45:49 AM	MMDadoda	5/30/2025 12:22:38 PM	Peak Integrated by Software
VX0529WBSD01	VX046394.D	1,2,3-Trichloropropane	JOHN	5/30/2025 9:45:53 AM	MMDadoda	5/30/2025 12:22:47 PM	Peak Integrated by Software
Q2134-01	VX046395.D	n-Butylbenzene	JOHN	5/30/2025 9:45:57 AM	MMDadoda	5/30/2025 12:22:49 PM	Peak Integrated by Software
VSTDCCC050	VX046407.D	1,2,3-Trichloropropane	JOHN	5/30/2025 9:46:13 AM	MMDadoda	5/30/2025 12:23:27 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052925

Review By	John Carlone	Review On	5/30/2025 9:47:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:25:02 PM		
SubDirectory	VX052925	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134044
Initial Calibration Stds	
CCC	VP134045,VP1334046
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046389.D	29 May 2025 08:21	JC/MD	Ok
2	VSTDCCC050	VX046390.D	29 May 2025 11:27	JC/MD	Ok,M
3	VX0529MBL01	VX046391.D	29 May 2025 11:54	JC/MD	Ok
4	VX0529WBL01	VX046392.D	29 May 2025 12:18	JC/MD	Ok
5	VX0529WBS01	VX046393.D	29 May 2025 12:41	JC/MD	Ok,M
6	VX0529WBSD01	VX046394.D	29 May 2025 13:06	JC/MD	Ok,M
7	Q2134-01	VX046395.D	29 May 2025 13:30	JC/MD	Ok,M
8	IBLK	VX046396.D	29 May 2025 13:53	JC/MD	Ok
9	VX0529MBS01	VX046397.D	29 May 2025 14:16	JC/MD	Ok,M
10	VX0529MBSD01	VX046398.D	29 May 2025 14:47	JC/MD	Ok,M
11	Q2137-01	VX046399.D	29 May 2025 15:10	JC/MD	Ok
12	Q2139-01	VX046400.D	29 May 2025 15:33	JC/MD	Dilution
13	IBLK	VX046401.D	29 May 2025 15:57	JC/MD	Ok
14	IBLK	VX046402.D	29 May 2025 16:20	JC/MD	Ok
15	Q2139-01DL	VX046403.D	29 May 2025 16:43	JC/MD	Ok
16	Q2155-04	VX046404.D	29 May 2025 17:07	JC/MD	Ok
17	Q2155-03	VX046405.D	29 May 2025 17:30	JC/MD	Ok
18	IBLK	VX046406.D	29 May 2025 17:53	JC/MD	Ok
19	VSTDCCC050	VX046407.D	29 May 2025 18:17	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052925

Review By	John Carlone	Review On	5/30/2025 9:47:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:25:02 PM		
SubDirectory	VX052925	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134044
Initial Calibration Stds	
CCC	VP134045,VP1334046
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046389.D	29 May 2025 08:21		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046390.D	29 May 2025 11:27	pH#Lot#V12668	JC/MD	Ok,M
3	VX0529MBL01	VX0529MBL01	VX046391.D	29 May 2025 11:54		JC/MD	Ok
4	VX0529WBL01	VX0529WBL01	VX046392.D	29 May 2025 12:18		JC/MD	Ok
5	VX0529WBS01	VX0529WBS01	VX046393.D	29 May 2025 12:41		JC/MD	Ok,M
6	VX0529WBSD01	VX0529WBSD01	VX046394.D	29 May 2025 13:06		JC/MD	Ok,M
7	Q2134-01	MW10	VX046395.D	29 May 2025 13:30	vial B pH<2	JC/MD	Ok,M
8	IBLK	IBLK	VX046396.D	29 May 2025 13:53		JC/MD	Ok
9	VX0529MBS01	VX0529MBS01	VX046397.D	29 May 2025 14:16		JC/MD	Ok,M
10	VX0529MBSD01	VX0529MBSD01	VX046398.D	29 May 2025 14:47		JC/MD	Ok,M
11	Q2137-01	MOO-25-0151	VX046399.D	29 May 2025 15:10	cloth material	JC/MD	Ok
12	Q2139-01	BELL-25-0010	VX046400.D	29 May 2025 15:33	Need 10X	JC/MD	Dilution
13	IBLK	IBLK	VX046401.D	29 May 2025 15:57		JC/MD	Ok
14	IBLK	IBLK	VX046402.D	29 May 2025 16:20		JC/MD	Ok
15	Q2139-01DL	BELL-25-0010DL	VX046403.D	29 May 2025 16:43	cloth material	JC/MD	Ok
16	Q2155-04	444	VX046404.D	29 May 2025 17:07	vial A pH<2 yellow sample	JC/MD	Ok
17	Q2155-03	447-WATER	VX046405.D	29 May 2025 17:30	vial A pH<2 brown/ turbid sample	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052925

Review By	John Carlone	Review On	5/30/2025 9:47:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:25:02 PM		
SubDirectory	VX052925	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134044
Initial Calibration Stds	
CCC	VP134045,VP1334046
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	IBLK	IBLK	VX046406.D	29 May 2025 17:53		JC/MD	Ok
19	VSTDCCC050	VSTDCCC050EC	VX046407.D	29 May 2025 18:17		JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2134	**OrderDate:**	5/28/2025 11:45:10 AM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2134-01	**MW10**	**Water**			**05/27/25**			**05/28/25**
			VOCMS Group2	8260-Low			05/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2134

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : MW10									
Q2134-01	MW10	WATER	Naphthalene		8.400		0.51	5.1	ug/L
Q2134-01	MW10	WATER	Caprolactam		7.400	J	1.2	10.2	ug/L
			Total Svoc :				**15.80**		
Q2134-01	MW10	WATER	Benzene, (1-methylethyl)-	*	11.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1,2,3,4-tetramethyl-	*	8.100	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1,3-diethyl-	*	23.500	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1,4-diethyl-	*	23.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1-ethyl-3-methyl-	*	8.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1-methyl-4-propyl-	*	7.100	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	19.300	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 2-ethyl-1,4-dimethyl-	*	20.400	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzophenone	*	6.800	J	0	0	ug/L
Q2134-01	MW10	WATER	1H-Indene, 2,3-dihydro-5-methyl-	*	10.100	J	0	0	ug/L
Q2134-01	MW10	WATER	Cyclopentene, 1,2,3-trimethyl-	*	7.400	J	0	0	ug/L
Q2134-01	MW10	WATER	Indane	*	34.900	J	0	0	ug/L
Q2134-01	MW10	WATER	n-Hexadecanoic acid	*	21.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Octadecanoic acid	*	10.900	J	0	0	ug/L
Q2134-01	MW10	WATER	Phenethylamine, N-benzyl-p-chlo	*	13.900	J	0	0	ug/L
Q2134-01	MW10	WATER	1-Methylnaphthalene	*	5.100	J	0.67	5.1	ug/L
			Total Tics :				**233.30**		
			Total Concentration:				**249.10**		

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142597.D	1	05/30/25 09:21	06/02/25 15:05	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
91-20-3	Naphthalene	8.40		0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	UQ	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	7.40	J	1.20	10.2	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L
208-96-8	Acenaphthylene	0.77	U	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142597.D	1	05/30/25 09:21	06/02/25 15:05	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.84	U	0.84	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	UQ	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	74.4		30 (67) - 130 (132)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.7		30 (52) - 130 (132)	73%	SPK: 100
1718-51-0	Terphenyl-d14	58.7		30 (42) - 130 (152)	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			

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Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142597.D	1	05/30/25 09:21	06/02/25 15:05	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	446000	8.181			
15067-26-2	Acenaphthene-d10	233000	9.939			
1517-22-2	Phenanthrene-d10	364000	11.428			
1719-03-5	Chrysene-d12	247000	14.069			
1520-96-3	Perylene-d12	271000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000473-91-6	Cyclopentene, 1,2,3-trimethyl-	7.40	J		4.67	ug/L
000098-82-8	Benzene, (1-methylethyl)-	11.7	J		6.07	ug/L
013622-43-0	Phenethylamine, N-benzyl-p-chloro-	13.9	J		6.36	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	8.70	J		6.42	ug/L
000496-11-7	Indane	34.9	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	23.5	J		7.14	ug/L
000105-05-5	Benzene, 1,4-diethyl-	23.7	J		7.22	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	7.10	J		7.29	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	20.4	J		7.36	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.10	J		7.67	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	10.1	J		7.85	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	19.3	J		7.92	ug/L
90-12-0	1-Methylnaphthalene	5.10	J		8.99	ug/L
000119-61-9	Benzophenone	6.80	J		10.7	ug/L
000057-10-3	n-Hexadecanoic acid	21.7	J		12.0	ug/L
000057-11-4	Octadecanoic acid	10.9	J		12.7	ug/L

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

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Surrogate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168235BL	PB168235BL	Nitrobenzene-d5	100	80.1	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.2	76		30 (52)	130 (132)
		Terphenyl-d14	100	77.1	77		30 (42)	130 (152)
PB168235BS	PB168235BS	Nitrobenzene-d5	100	76.2	76		30 (67)	130 (132)
		2-Fluorobiphenyl	100	72.0	72		30 (52)	130 (132)
		Terphenyl-d14	100	79.0	79		30 (42)	130 (152)
PB168235BSD	PB168235BSD	Nitrobenzene-d5	100	73.1	73		30 (67)	130 (132)
		2-Fluorobiphenyl	100	69.6	70		30 (52)	130 (132)
		Terphenyl-d14	100	75.7	76		30 (42)	130 (152)
Q2134-01	MW10	Nitrobenzene-d5	100	74.4	74		30 (67)	130 (132)
		2-Fluorobiphenyl	100	72.7	73		30 (52)	130 (132)
		Terphenyl-d14	100	58.7	59		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BS	Benzaldehyde	50	34.3	ug/L	69				20 (10)	160 (162)	
	bis(2-Chloroethyl)ether	50	43.4	ug/L	87				70 (62)	130 (103)	
	2,2-oxybis(1-Chloropropane)	50	42.6	ug/L	85				70 (65)	130 (100)	
	Acetophenone	50	41.7	ug/L	83				70 (60)	130 (104)	
	N-Nitroso-di-n-propylamine	50	41.3	ug/L	83				70 (57)	130 (107)	
	Hexachloroethane	50	41.6	ug/L	83				20 (76)	160 (118)	
	Nitrobenzene	50	42.9	ug/L	86				70 (58)	130 (106)	
	Isophorone	50	42.2	ug/L	84				70 (61)	130 (102)	
	bis(2-Chloroethoxy)methane	50	42.9	ug/L	86				70 (58)	130 (109)	
	Naphthalene	50	42.4	ug/L	85				70 (64)	130 (107)	
	4-Chloroaniline	50	18.2	ug/L	36		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	40.9	ug/L	82				70 (69)	130 (101)	
	Caprolactam	50	51.7	ug/L	103				20 (58)	160 (128)	
	2-Methylnaphthalene	50	42.4	ug/L	85				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	80.7	ug/L	81				20 (36)	160 (160)	
	1,1-Biphenyl	50	42.2	ug/L	84				70 (72)	130 (98)	
	2-Chloronaphthalene	50	41.9	ug/L	84				70 (59)	130 (106)	
	2-Nitroaniline	50	45.1	ug/L	90				70 (73)	130 (114)	
	Dimethylphthalate	50	44.2	ug/L	88				70 (64)	130 (103)	
	Acenaphthylene	50	42.4	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	45.7	ug/L	91				70 (64)	130 (110)	
	3-Nitroaniline	50	27.1	ug/L	54		*		70 (28)	130 (100)	
	Acenaphthene	50	46.3	ug/L	93				70 (59)	130 (113)	
	Dibenzofuran	50	42.4	ug/L	85				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	47.5	ug/L	95				70 (60)	130 (115)	
	Diethylphthalate	50	45.0	ug/L	90				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	42.6	ug/L	85				70 (61)	130 (104)	
	Fluorene	50	43.0	ug/L	86				70 (64)	130 (107)	
	4-Nitroaniline	50	48.5	ug/L	97				70 (55)	130 (125)	
	N-Nitrosodiphenylamine	50	42.5	ug/L	85				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.6	ug/L	85				70 (73)	130 (103)	
	Hexachlorobenzene	50	43.5	ug/L	87				70 (73)	130 (106)	
	Atrazine	50	49.3	ug/L	99				70 (76)	130 (120)	
	Phenanthrene	50	43.1	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	43.2	ug/L	86				70 (65)	130 (110)	
	Carbazole	50	44.9	ug/L	90				70 (62)	130 (106)	
	Di-n-butylphthalate	50	47.1	ug/L	94				70 (64)	130 (106)	
	Fluoranthene	50	45.6	ug/L	91				70 (64)	130 (110)	
	Pyrene	50	45.2	ug/L	90				70 (71)	130 (103)	
	Butylbenzylphthalate	50	52.0	ug/L	104				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	26.6	ug/L	53		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	43.9	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	45.7	ug/L	91				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	49.7	ug/L	99				70 (59)	130 (110)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BS	Di-n-octyl phthalate	50	43.8	ug/L	88				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	46.9	ug/L	94				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	42.1	ug/L	84				70 (77)	130 (105)	
	Benzo(a)pyrene	50	45.0	ug/L	90				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	42.6	ug/L	85				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	43.1	ug/L	86				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	42.6	ug/L	85				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	41.5	ug/L	83				70 (72)	130 (101)	
	1,4-Dioxane	50	36.0	ug/L	72				20 (38)	160 (125)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BSD	Benzaldehyde	50	33.6	ug/L	67	2			20 (10)	160 (162)	20 (20)
	bis(2-Chloroethyl)ether	50	41.9	ug/L	84	4			70 (62)	130 (103)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	41.4	ug/L	83	3			70 (65)	130 (100)	20 (20)
	Acetophenone	50	40.5	ug/L	81	3			70 (60)	130 (104)	20 (20)
	N-Nitroso-di-n-propylamine	50	40.6	ug/L	81	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	40.3	ug/L	81	3			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	40.6	ug/L	81	6			70 (58)	130 (106)	20 (20)
	Isophorone	50	40.9	ug/L	82	3			70 (61)	130 (102)	20 (20)
	bis(2-Chloroethoxy)methane	50	41.5	ug/L	83	3			70 (58)	130 (109)	20 (20)
	Naphthalene	50	41.0	ug/L	82	3			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	18.1	ug/L	36	1	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	40.3	ug/L	81	1			70 (69)	130 (101)	20 (20)
	Caprolactam	50	49.3	ug/L	99	5			20 (58)	160 (128)	20 (20)
	2-Methylnaphthalene	50	40.6	ug/L	81	4			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	77.8	ug/L	78	4			20 (36)	160 (160)	20 (20)
	1,1-Biphenyl	50	40.5	ug/L	81	4			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	40.7	ug/L	81	3			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	43.4	ug/L	87	4			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	43.0	ug/L	86	3			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	41.1	ug/L	82	3			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	44.2	ug/L	88	3			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.1	ug/L	52	4	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	45.2	ug/L	90	2			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	41.2	ug/L	82	3			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	46.2	ug/L	92	3			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	43.1	ug/L	86	4			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83	3			70 (61)	130 (104)	20 (20)
	Fluorene	50	41.5	ug/L	83	4			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	45.9	ug/L	92	6			70 (55)	130 (125)	20 (20)
	N-Nitrosodiphenylamine	50	41.1	ug/L	82	3			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	41.0	ug/L	82	4			70 (73)	130 (103)	20 (20)
	Hexachlorobenzene	50	41.6	ug/L	83	4			70 (73)	130 (106)	20 (20)
	Atrazine	50	46.4	ug/L	93	6			70 (76)	130 (120)	20 (20)
	Phenanthrene	50	41.2	ug/L	82	5			70 (62)	130 (109)	20 (20)
	Anthracene	50	41.1	ug/L	82	5			70 (65)	130 (110)	20 (20)
	Carbazole	50	42.0	ug/L	84	7			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	44.2	ug/L	88	6			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	42.5	ug/L	85	7			70 (64)	130 (110)	20 (20)
	Pyrene	50	42.8	ug/L	86	5			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	49.3	ug/L	99	5			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	26.2	ug/L	52	2	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	42.5	ug/L	85	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	43.7	ug/L	87	4			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	49.1	ug/L	98	1			70 (59)	130 (110)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BSD	Di-n-octyl phthalate	50	43.8	ug/L	88	0			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	43.9	ug/L	88	7			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	39.9	ug/L	80	5			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	43.1	ug/L	86	4			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	40.7	ug/L	81	5			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	41.1	ug/L	82	5			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	40.6	ug/L	81	5			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	40.1	ug/L	80	3			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	34.4	ug/L	69	5			20 (38)	160 (125)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168235BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: BF142594.D Lab Sample ID: PB168235BL

Instrument ID: BNA_F Date Extracted: 05/30/2025

Matrix: (soil/water) Water Date Analyzed: 06/02/2025

Level: (low/med) LOW Time Analyzed: 13:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168235BS	PB168235BS	BF142595.D	06/02/2025
PB168235BSD	PB168235BSD	BF142596.D	06/02/2025
MW10	Q2134-01	BF142597.D	06/02/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	44.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: BF142589.D DFTPP Injection Date: 06/02/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	20.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142590.D	06/02/2025	11:30
PB168235BL	PB168235BL	BF142594.D	06/02/2025	13:26
PB168235BS	PB168235BS	BF142595.D	06/02/2025	13:54
PB168235BSD	PB168235BSD	BF142596.D	06/02/2025	14:23
MW10	Q2134-01	BF142597.D	06/02/2025	15:05

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	112830	6.898	441878	8.19	241388	9.94
	UPPER LIMIT	225660	7.398	883756	8.686	482776	10.439
	LOWER LIMIT	56415	6.398	220939	7.686	120694	9.439
	EPA SAMPLE NO.						
01	PB168235BL	120624	6.90	466268	8.18	259648	9.94
02	PB168235BS	124139	6.90	485746	8.19	271698	9.95
03	PB168235BSD	121815	6.90	480019	8.19	267337	9.94
04	MW10	120089	6.90	445960	8.18	232989	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	415282	11.427	230387	14.074	238851	15.568
	UPPER LIMIT	830564	11.927	460774	14.574	477702	16.068
	LOWER LIMIT	207641	10.927	115194	13.574	119426	15.068
	EPA SAMPLE NO.						
01	PB168235BL	474960	11.43	286956	14.07	248222	15.57
02	PB168235BS	469529	11.43	249290	14.07	263582	15.57
03	PB168235BSD	467735	11.43	244296	14.07	271289	15.57
04	MW10	364457	11.43	246692	14.07	270947	15.56

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BL	SDG No.:	Q2134
Lab Sample ID:	PB168235BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142594.D	1	05/30/25 09:21	06/02/25 13:26	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BL	SDG No.:	Q2134
Lab Sample ID:	PB168235BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142594.D	1	05/30/25 09:21	06/02/25 13:26	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.1		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.2		30 (52) - 130 (132)	76%	SPK: 100
1718-51-0	Terphenyl-d14	77.1		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	121000	6.898			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DPW			Date Received:	
Client Sample ID:	PB168235BL			SDG No.:	Q2134
Lab Sample ID:	PB168235BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142594.D	1	05/30/25 09:21	06/02/25 13:26	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	466000	8.181			
15067-26-2	Acenaphthene-d10	260000	9.939			
1517-22-2	Phenanthrene-d10	475000	11.427			
1719-03-5	Chrysene-d12	287000	14.068			
1520-96-3	Perylene-d12	248000	15.568			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	10.5	A		5.13	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BS	SDG No.:	Q2134
Lab Sample ID:	PB168235BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142595.D	1	05/30/25 09:21	06/02/25 13:54	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	34.3		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.6		1.30	5.00	ug/L
98-86-2	Acetophenone	41.7		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.3		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.9		0.76	5.00	ug/L
78-59-1	Isophorone	42.2		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.9		0.68	5.00	ug/L
91-20-3	Naphthalene	42.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.9		0.54	5.00	ug/L
105-60-2	Caprolactam	51.7		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	80.7	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	42.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.2		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.7		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	27.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.3		0.55	5.00	ug/L
132-64-9	Dibenzofuran	42.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.0		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.6		0.68	5.00	ug/L
86-73-7	Fluorene	43.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	48.5		1.50	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BS	SDG No.:	Q2134
Lab Sample ID:	PB168235BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142595.D	1	05/30/25 09:21	06/02/25 13:54	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	42.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.6		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	43.5		0.52	5.00	ug/L
1912-24-9	Atrazine	49.3		1.00	5.00	ug/L
85-01-8	Phenanthrene	43.1		0.50	5.00	ug/L
120-12-7	Anthracene	43.2		0.61	5.00	ug/L
86-74-8	Carbazole	44.9		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.6		0.82	5.00	ug/L
129-00-0	Pyrene	45.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.0		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.9		0.45	5.00	ug/L
218-01-9	Chrysene	45.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.9		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	42.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.6		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.0		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	76.2		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.0		30 (52) - 130 (132)	72%	SPK: 100
1718-51-0	Terphenyl-d14	79.0		30 (42) - 130 (152)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DPW			Date Received:	
Client Sample ID:	PB168235BS			SDG No.:	Q2134
Lab Sample ID:	PB168235BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142595.D	1	05/30/25 09:21	06/02/25 13:54	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	486000	8.186			
15067-26-2	Acenaphthene-d10	272000	9.945			
1517-22-2	Phenanthrene-d10	470000	11.433			
1719-03-5	Chrysene-d12	249000	14.074			
1520-96-3	Perylene-d12	264000	15.568			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BSD	SDG No.:	Q2134
Lab Sample ID:	PB168235BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142596.D	1	05/30/25 09:21	06/02/25 14:23	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	33.6		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.9		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.4		1.30	5.00	ug/L
98-86-2	Acetophenone	40.5		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	40.6		0.76	5.00	ug/L
78-59-1	Isophorone	40.9		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.5		0.68	5.00	ug/L
91-20-3	Naphthalene	41.0		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.1		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.3		0.54	5.00	ug/L
105-60-2	Caprolactam	49.3		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	40.6		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	77.8		3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	40.5		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.0		0.61	5.00	ug/L
208-96-8	Acenaphthylene	41.1		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	45.2		0.55	5.00	ug/L
132-64-9	Dibenzofuran	41.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.68	5.00	ug/L
86-73-7	Fluorene	41.5		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.9		1.50	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BSD	SDG No.:	Q2134
Lab Sample ID:	PB168235BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142596.D	1	05/30/25 09:21	06/02/25 14:23	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	41.1		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	41.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	41.6		0.52	5.00	ug/L
1912-24-9	Atrazine	46.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	41.2		0.50	5.00	ug/L
120-12-7	Anthracene	41.1		0.61	5.00	ug/L
86-74-8	Carbazole	42.0		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.2		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	5.00	ug/L
129-00-0	Pyrene	42.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	42.5		0.45	5.00	ug/L
218-01-9	Chrysene	43.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.1		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.9		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	39.9		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	43.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	40.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.1		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.4		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.1		30 (67) - 130 (132)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.6		30 (52) - 130 (132)	70%	SPK: 100
1718-51-0	Terphenyl-d14	75.7		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DPW			Date Received:	
Client Sample ID:	PB168235BSD			SDG No.:	Q2134
Lab Sample ID:	PB168235BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142596.D	1	05/30/25 09:21	06/02/25 14:23	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	480000	8.186			
15067-26-2	Acenaphthene-d10	267000	9.939			
1517-22-2	Phenanthrene-d10	468000	11.433			
1719-03-5	Chrysene-d12	244000	14.074			
1520-96-3	Perylene-d12	271000	15.568			

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.153		-2.9	
Benzaldehyde	0.859	0.802		-6.6	
Phenol-d6	1.429	1.385		-3.1	
bis(2-Chloroethyl)ether	1.157	1.124		-2.9	
2,2-oxybis(1-Chloropropane)	1.944	1.872		-3.7	
Acetophenone	0.443	0.417		-5.9	
n-Nitroso-di-n-propylamine	0.886	0.829	0.050	-6.4	
Nitrobenzene-d5	0.367	0.347		-5.4	
Hexachloroethane	0.507	0.483		-4.7	
Nitrobenzene	0.331	0.314		-5.1	
Isophorone	0.613	0.575		-6.2	
bis(2-Chloroethoxy)methane	0.383	0.365		-4.7	
Naphthalene	0.985	0.939		-4.7	
4-Chloroaniline	0.399	0.389		-2.5	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
Caprolactam	0.080	0.084		5.0	
2-Methylnaphthalene	0.620	0.581		-6.3	
Hexachlorocyclopentadiene	0.387	0.340	0.050	-12.1	
2-Fluorobiphenyl	1.490	1.341		-10.0	
1,1-Biphenyl	1.552	1.455		-6.3	
2-Chloronaphthalene	1.146	1.080		-5.8	
2-Nitroaniline	0.331	0.325		-1.8	
Dimethylphthalate	1.320	1.263		-4.3	
Acenaphthylene	1.936	1.830		-5.5	
2,6-Dinitrotoluene	0.285	0.279		-2.1	
3-Nitroaniline	0.311	0.315		1.3	
Acenaphthene	1.182	1.118		-5.4	20.0
Dibenzofuran	1.701	1.606		-5.6	
2,4-Dinitrotoluene	0.372	0.374		0.5	
Diethylphthalate	1.289	1.226		-4.9	
4-Chlorophenyl-phenylether	0.646	0.612		-5.3	
Fluorene	1.314	1.257		-4.3	
4-Nitroaniline	0.282	0.295		4.6	
n-Nitrosodiphenylamine	0.684	0.641		-6.3	20.0
2,4,6-Tribromophenol	0.222	0.212		-4.5	
4-Bromophenyl-phenylether	0.236	0.220		-6.8	
Hexachlorobenzene	0.262	0.246		-6.1	
Atrazine	0.182	0.184		1.1	
Phenanthrene	1.069	1.016		-5.0	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.091	1.045		-4.2	
Carbazole	0.933	0.918		-1.6	
Di-n-butylphthalate	1.021	1.018		-0.3	
Fluoranthene	0.999	0.991		-0.8	20.0
Pyrene	1.866	1.760		-5.7	
Terphenyl-d14	1.464	1.327		-9.4	
Butylbenzylphthalate	0.516	0.546		5.8	
3,3-Dichlorobenzidine	0.405	0.425		4.9	
Benzo(a)anthracene	1.336	1.272		-4.8	
Chrysene	1.200	1.136		-5.3	
Bis(2-ethylhexyl)phthalate	0.660	0.694		5.2	
Di-n-octyl phthalate	1.290	1.195		-7.4	20.0
Benzo(b)fluoranthene	1.184	1.126		-4.9	
Benzo(k)fluoranthene	1.109	1.039		-6.3	
Benzo(a)pyrene	1.116	1.071		-4.0	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.368		-8.9	
Dibenzo(a,h)anthracene	1.218	1.126		-7.6	
Benzo(g,h,i)perylene	1.218	1.105		-9.3	
1,2,4,5-Tetrachlorobenzene	0.574	0.542		-5.6	
1,4-Dioxane	0.475	0.464		-2.3	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Time: Jun 02 15:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

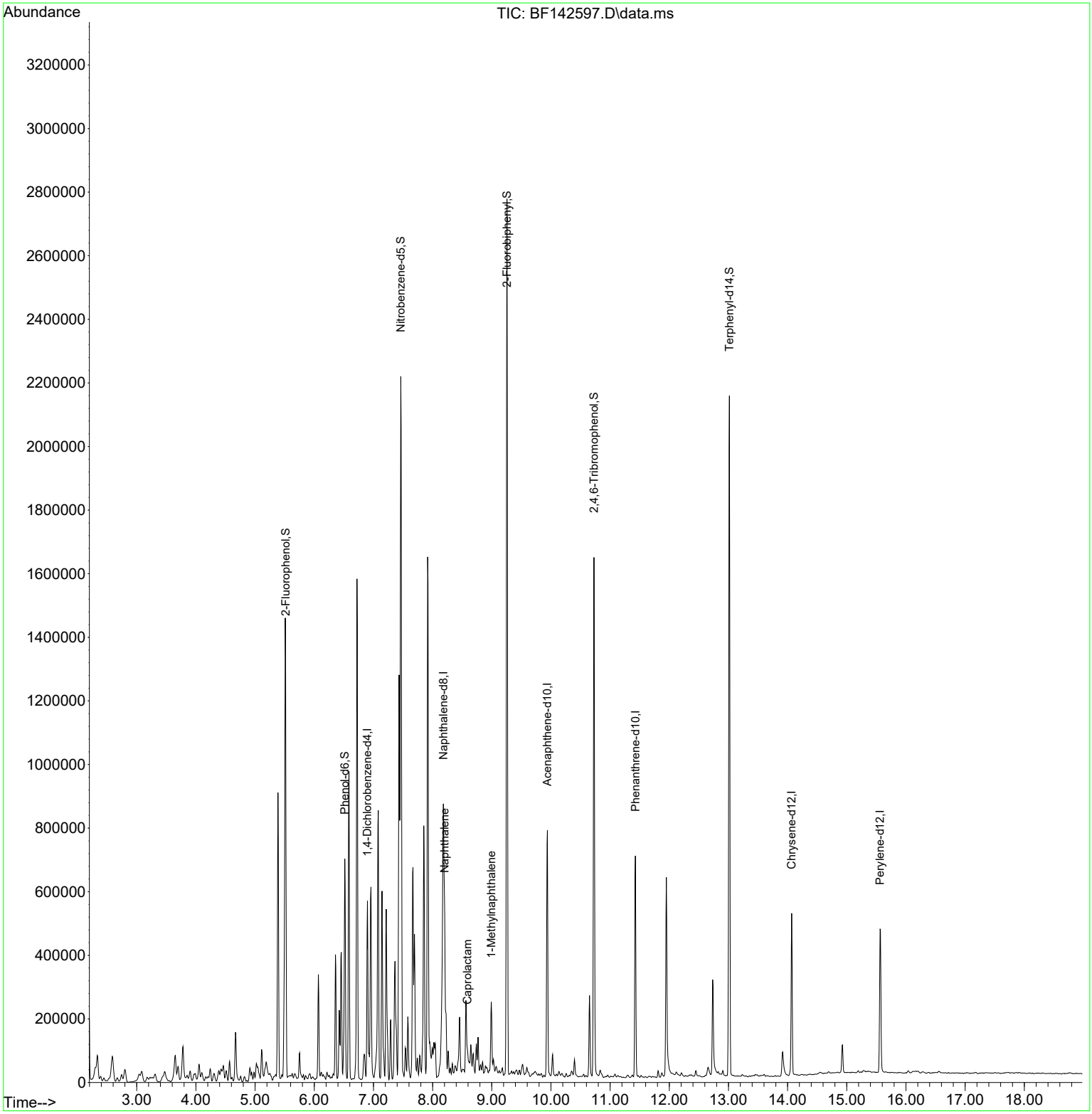
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120089	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	445960	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232989	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	364457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	246692	20.000	ng	0.00
86) Perylene-d12	15.563	264	270947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	400957	56.251	ng	0.00
7) Phenol-d6	6.516	99	311476	36.301	ng	-0.02
23) Nitrobenzene-d5	7.463	82	608220	74.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	293646	113.557	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1262677	72.722	ng	-0.01
79) Terphenyl-d14	13.016	244	1060270	58.733	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.204	128	180829	8.235	ng	# 95
35) Caprolactam	8.587	113	12899	7.266	ng	97
38) 1-Methylnaphthalene	8.992	142	71333	4.992	ng	98

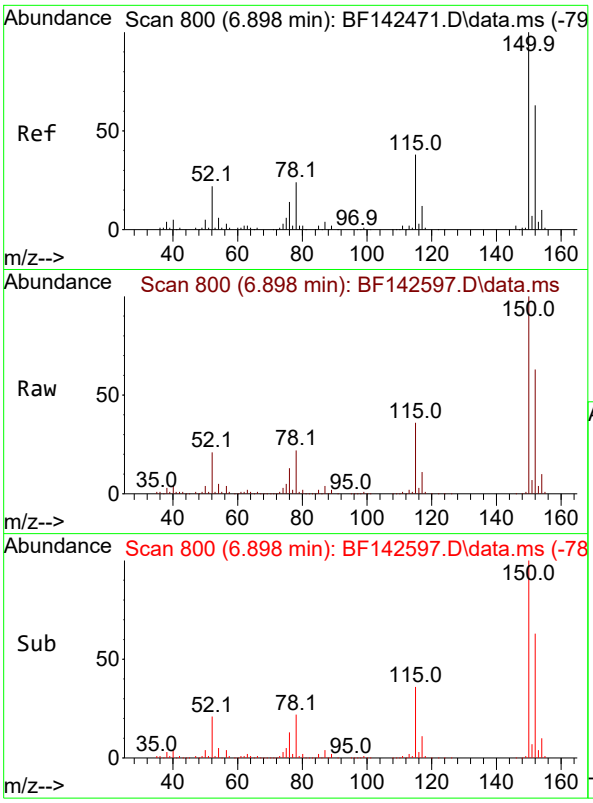
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Time: Jun 02 15:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



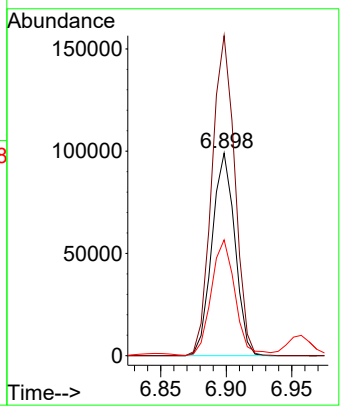


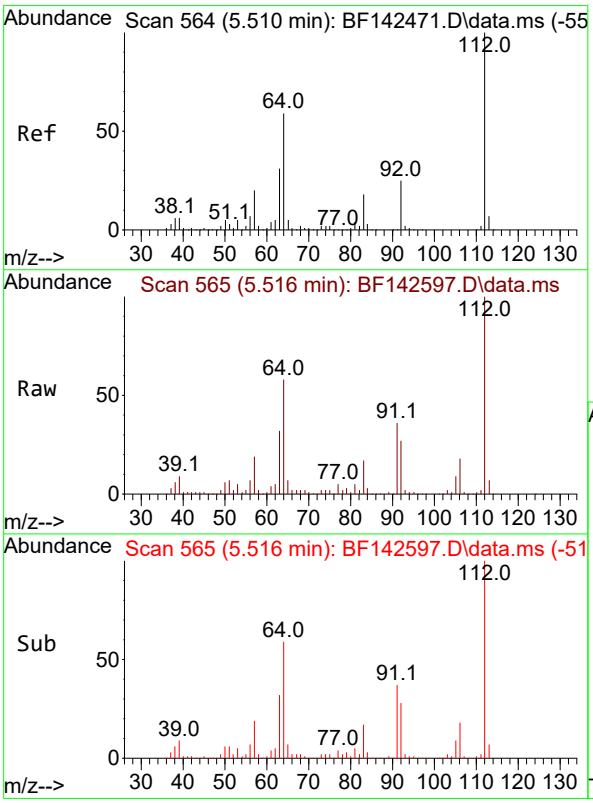
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:152 Resp: 120089

Ion	Ratio	Lower	Upper
152	100		
150	158.0	128.2	192.4
115	57.2	48.3	72.5

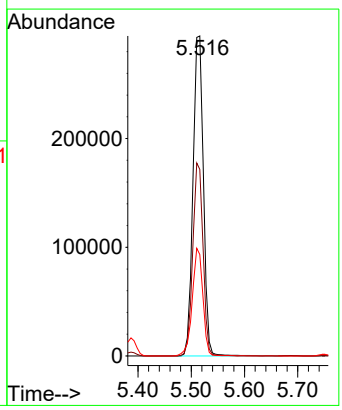


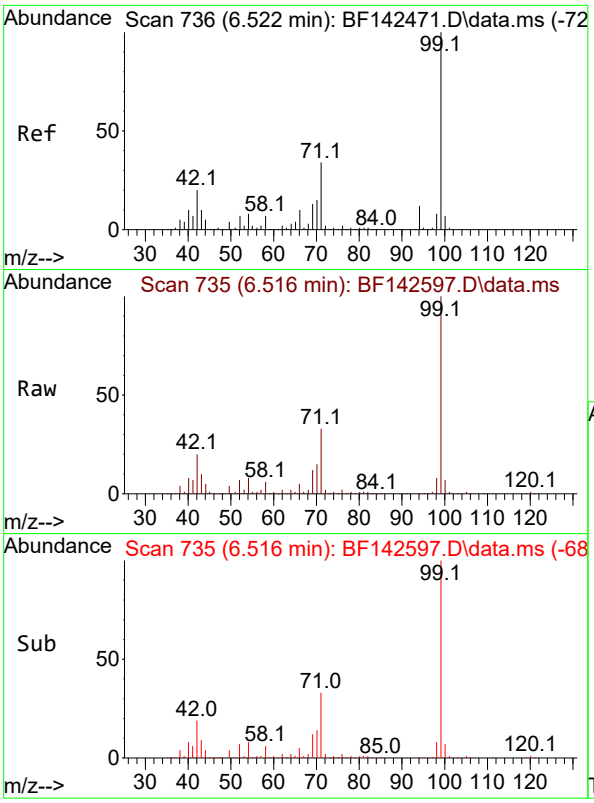


#5
2-Fluorophenol
Concen: 56.251 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:112 Resp: 400957

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.5	71.3
63	31.7	24.9	37.3



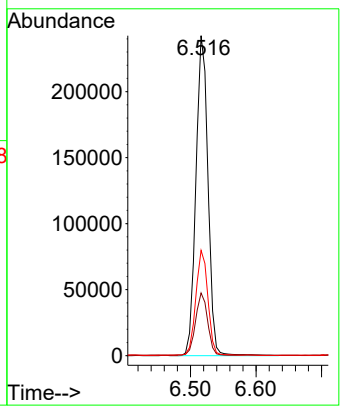


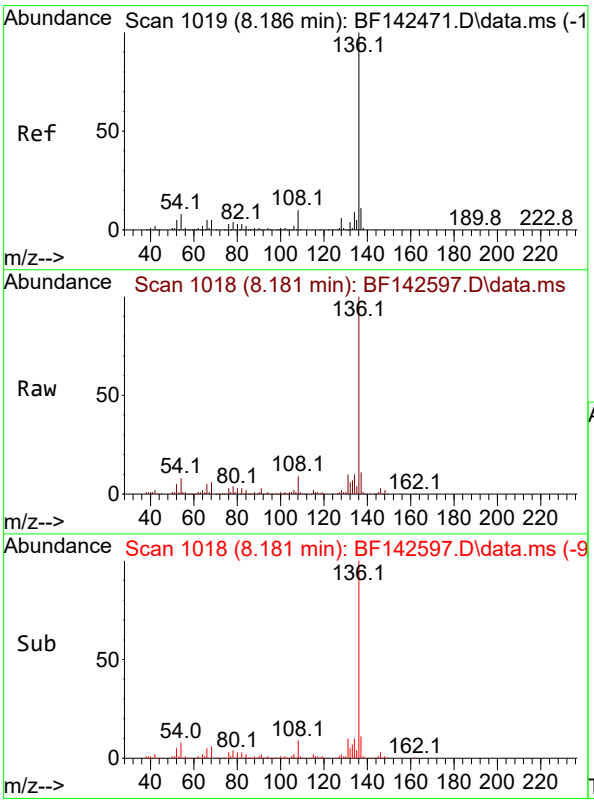
#7
Phenol-d6
Concen: 36.301 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion: 99 Resp: 311476

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	32.9	27.3	40.9

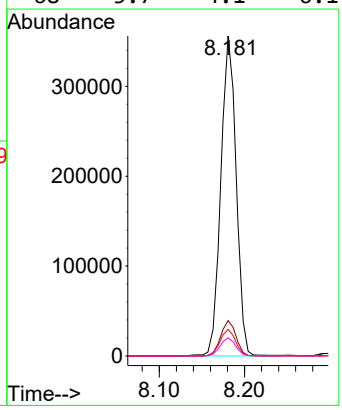


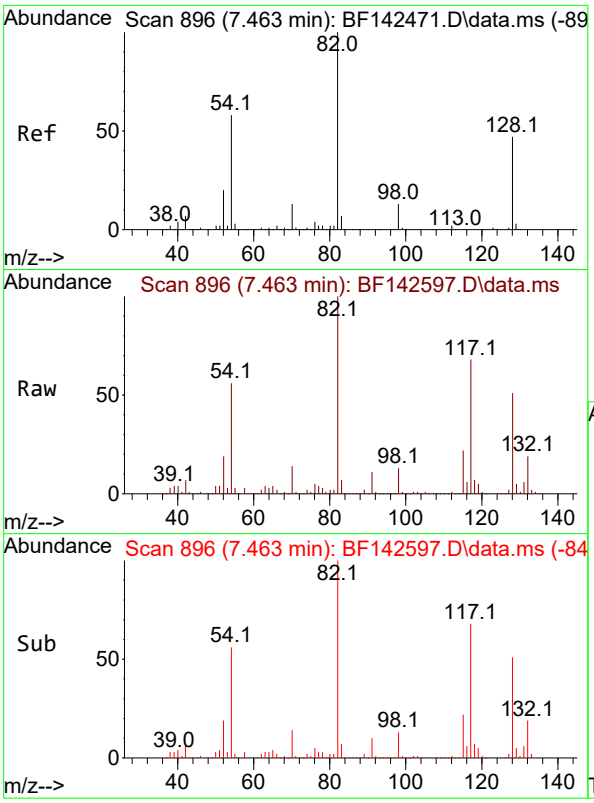


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:136 Resp: 445960

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	6.6	10.0
68	5.7	4.1	6.1



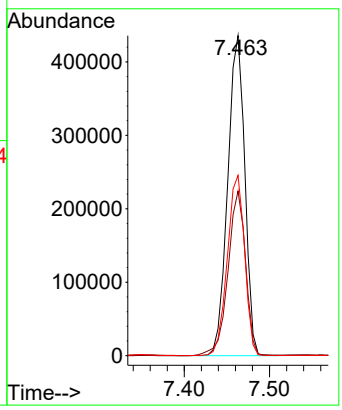


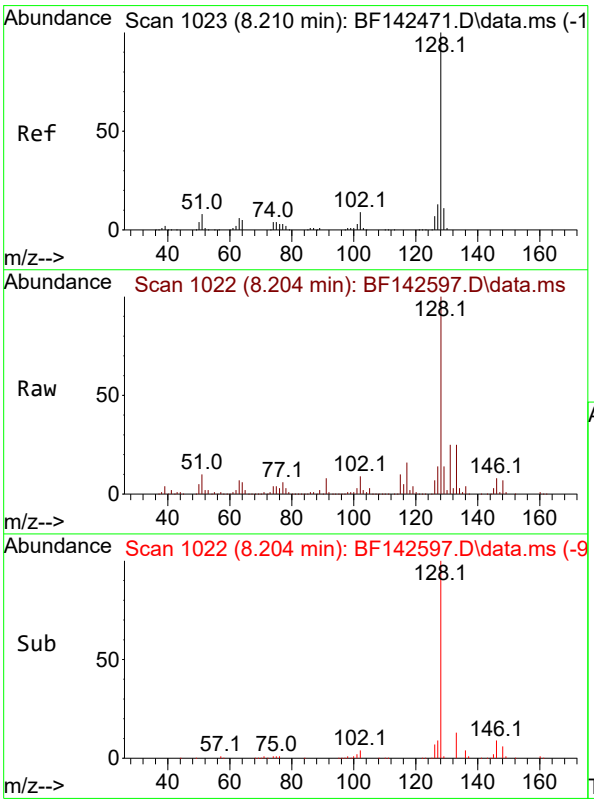
#23
Nitrobenzene-d5
Concen: 74.369 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion: 82 Resp: 608220

Ion	Ratio	Lower	Upper
82	100		
128	51.5	37.4	56.2
54	56.4	46.6	70.0

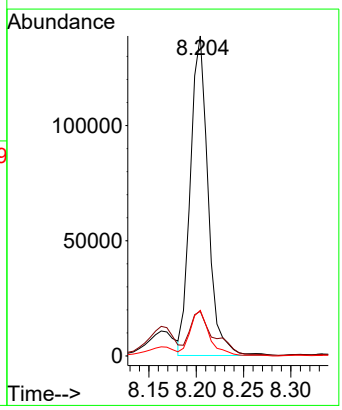


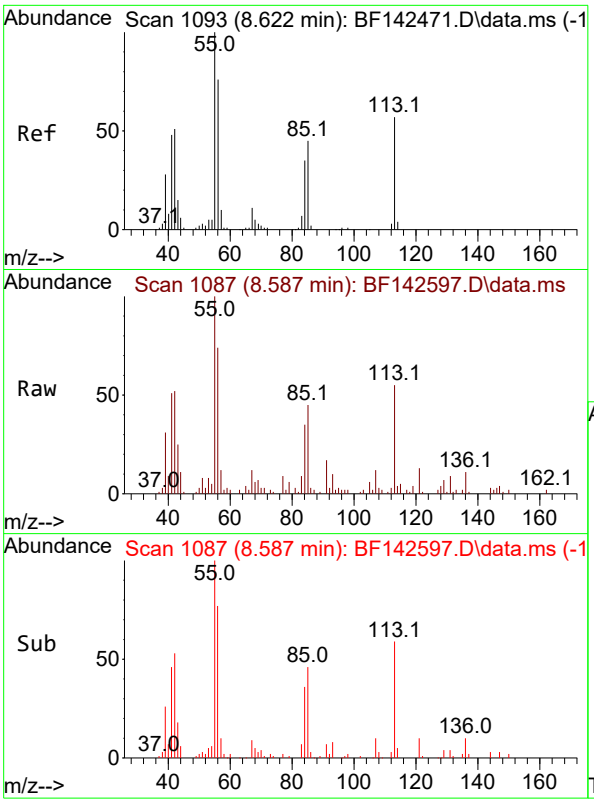


#31
Naphthalene
Concen: 8.235 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:128 Resp: 180829

Ion	Ratio	Lower	Upper
128	100		
129	14.0	8.9	13.3#
127	14.2	10.5	15.7



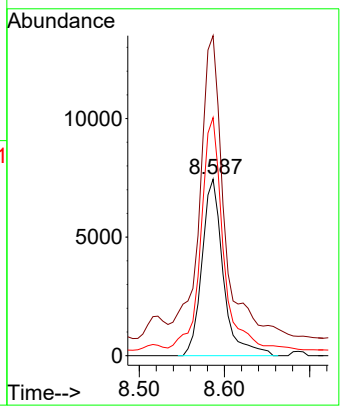


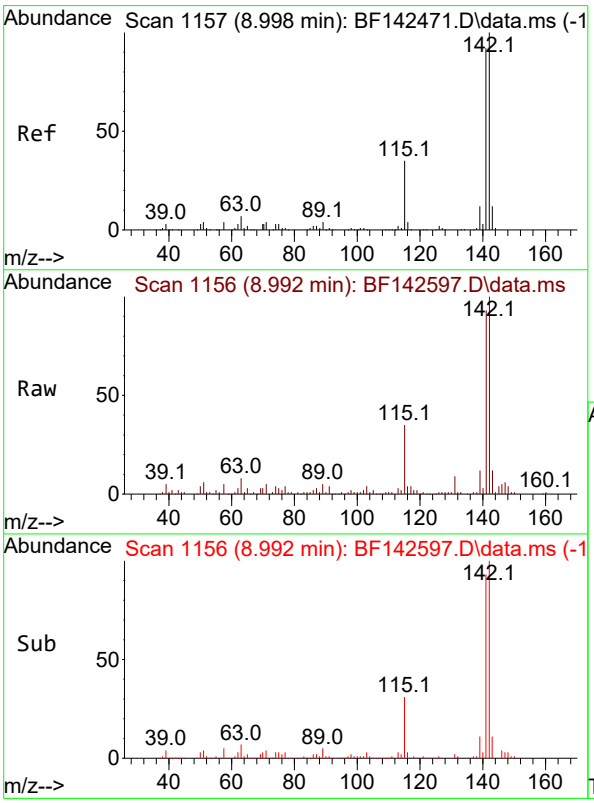
#35
Caprolactam
Concen: 7.266 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:113 Resp: 12899

Ion	Ratio	Lower	Upper
113	100		
55	181.3	154.7	194.7
56	134.9	113.2	153.2

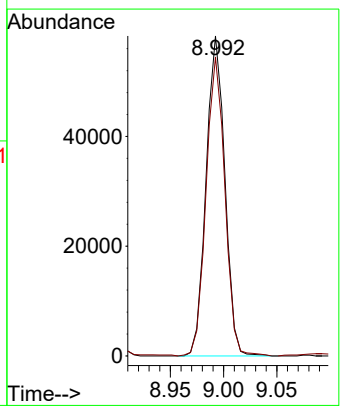


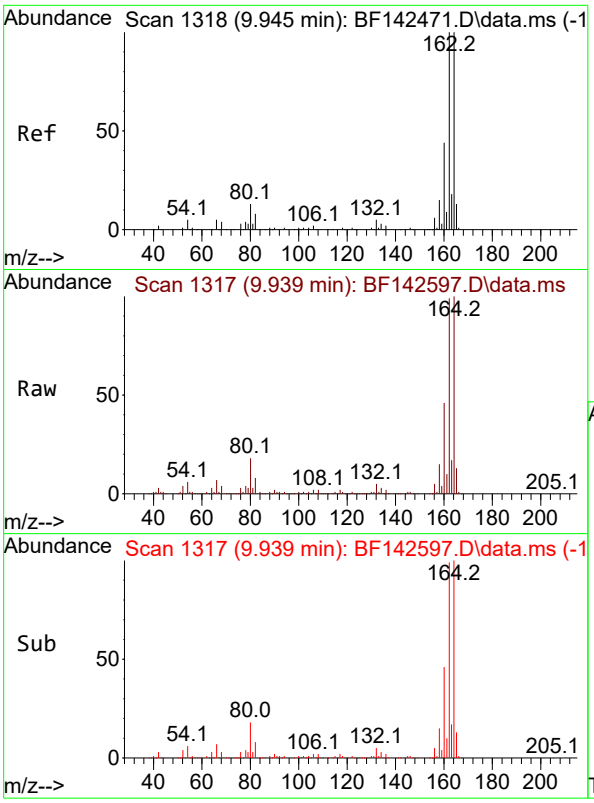


#38
1-Methylnaphthalene
Concen: 4.992 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:142 Resp: 71333

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.4	110.2



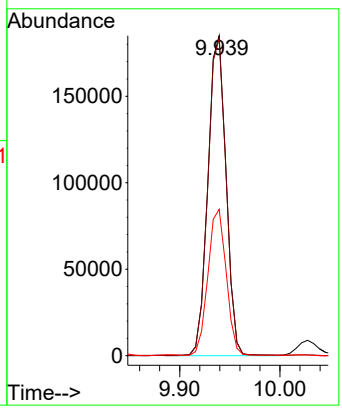


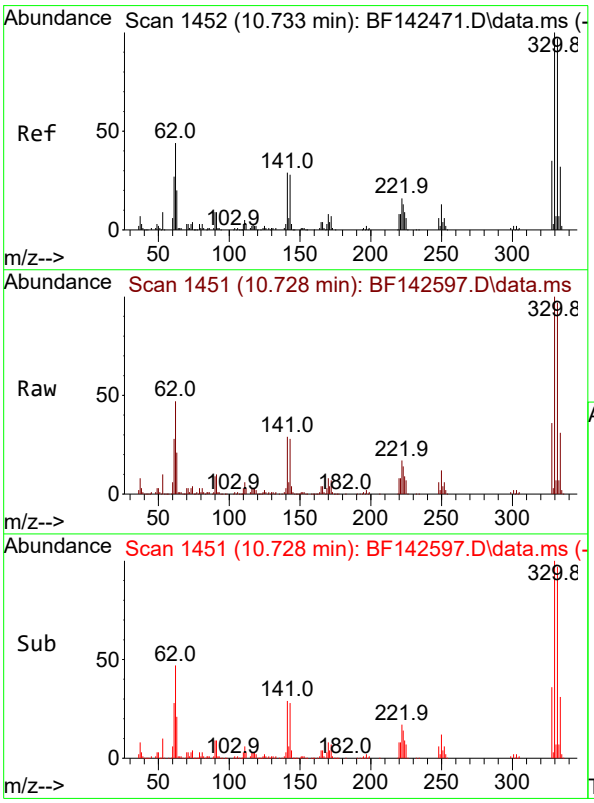
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:164 Resp: 232989

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	45.8	35.6	53.4

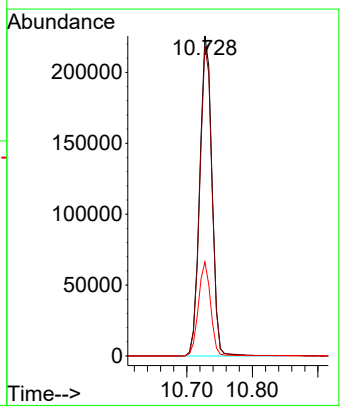


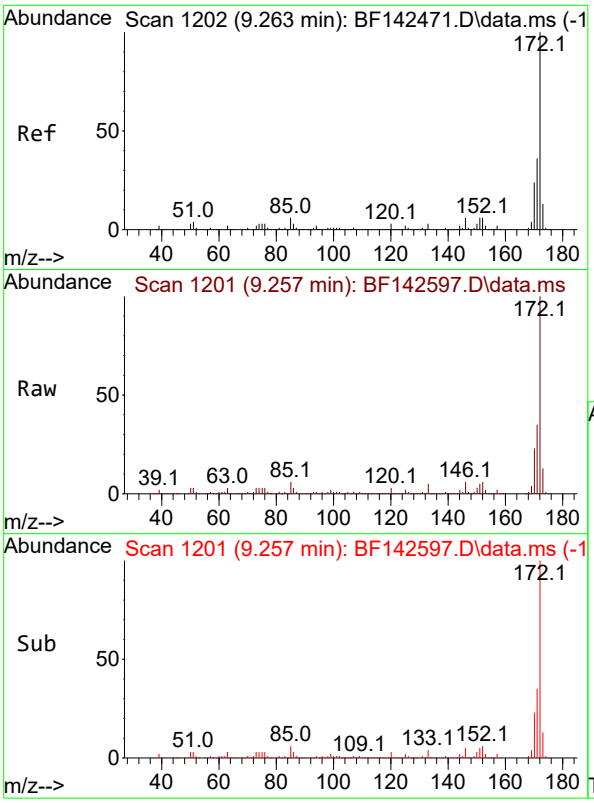


#42
2,4,6-Tribromophenol
Concen: 113.557 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:330 Resp: 293646

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	29.3	24.6	36.8



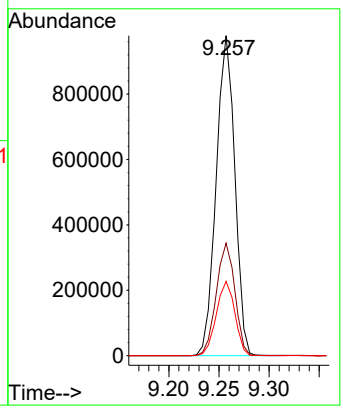


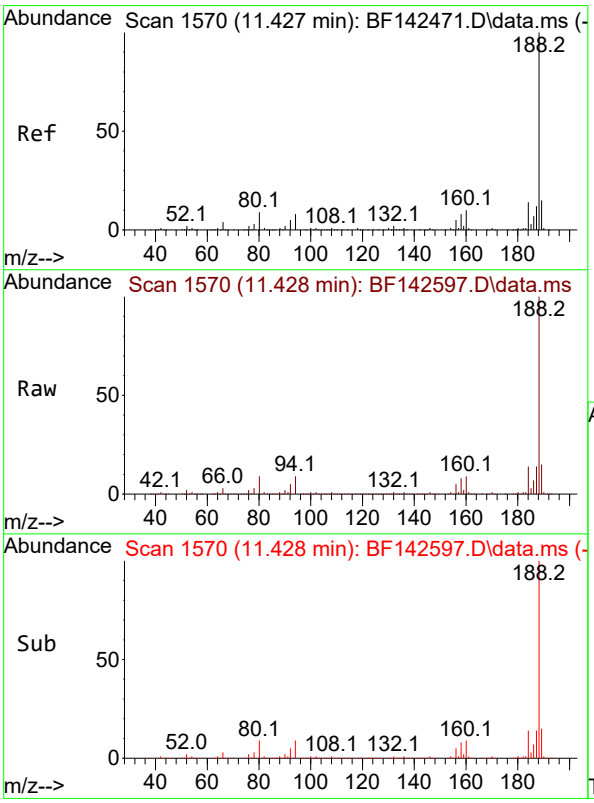
#45
2-Fluorobiphenyl
Concen: 72.722 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:172 Resp: 1262677

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.9	28.3

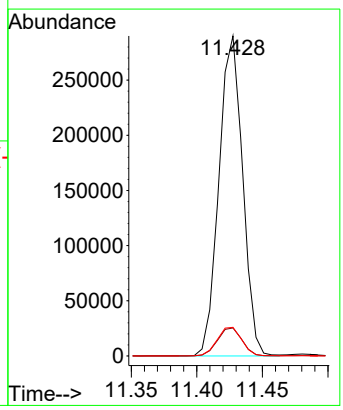


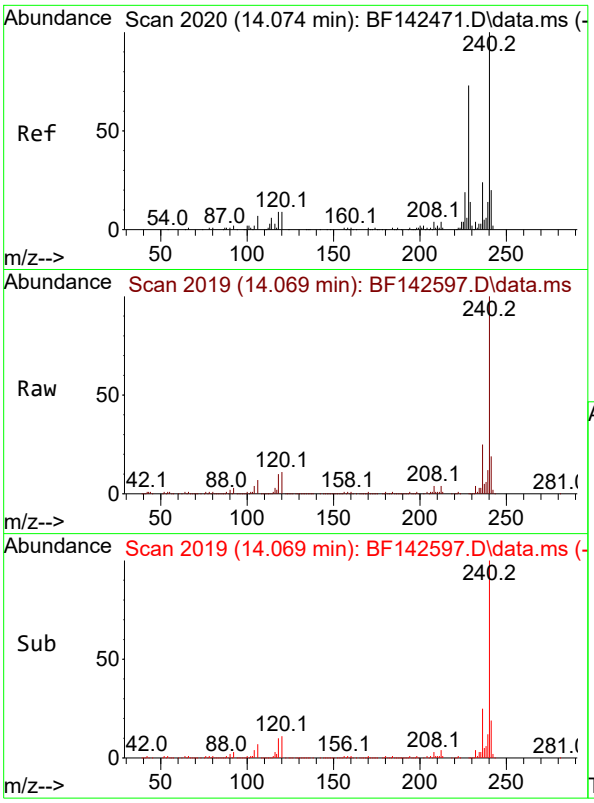


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:188 Resp: 364457

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	8.9	7.4	11.0



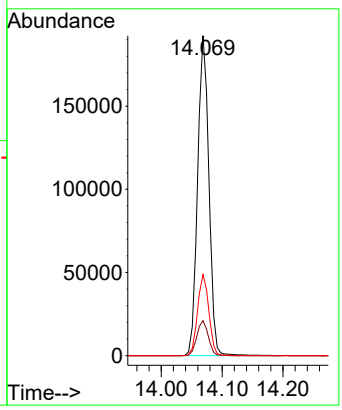


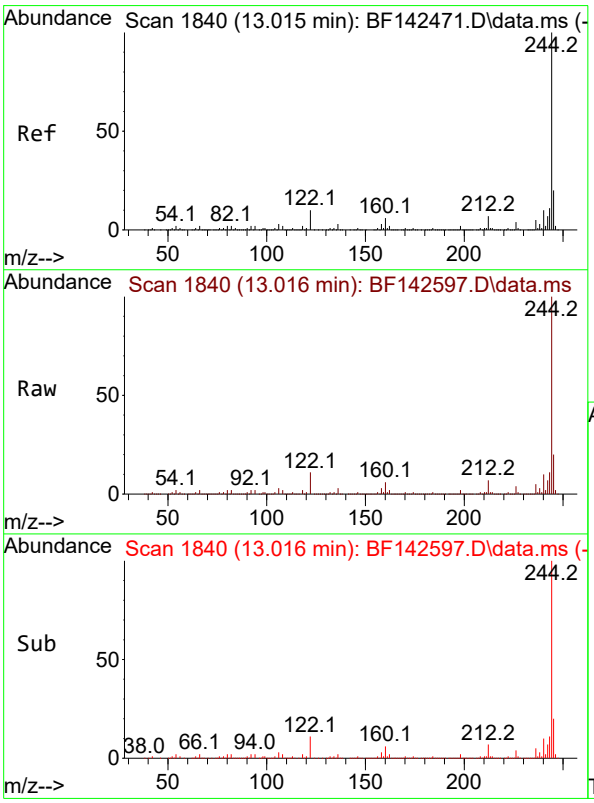
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:240 Resp: 246692

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.5	11.3
236	25.3	19.6	29.4

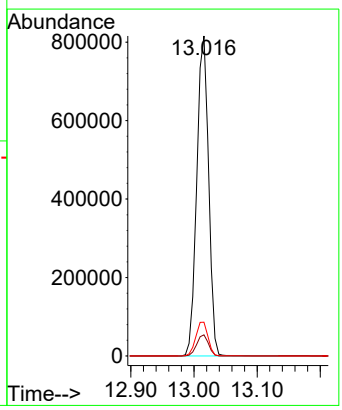


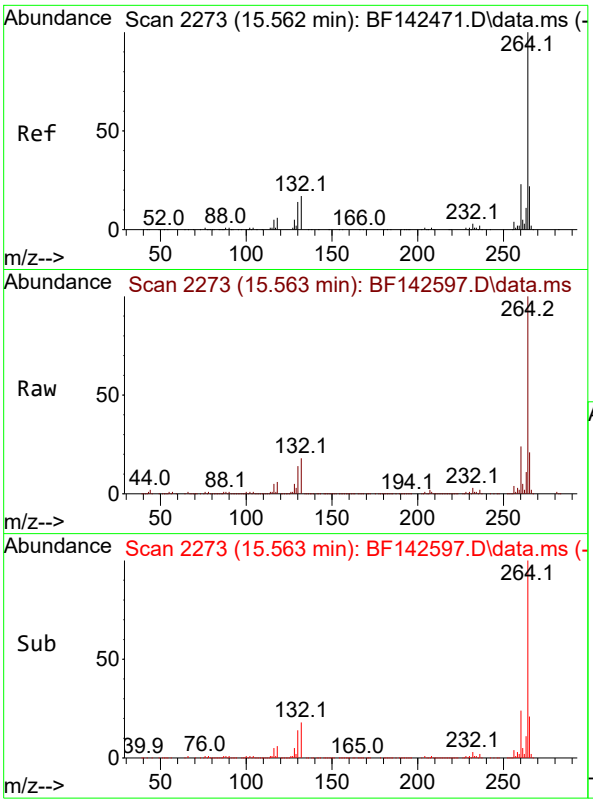


#79
Terphenyl-d14
Concen: 58.733 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:244 Resp: 1060270

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.6	8.2	12.2



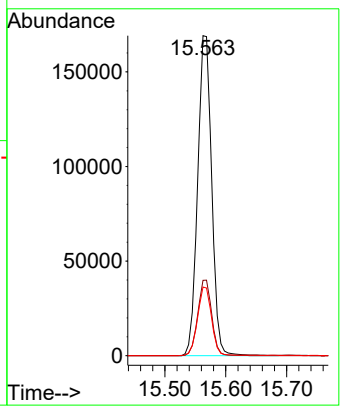


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:264 Resp: 270947

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.5	17.7	26.5



Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142597.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	9	18	19	rBV2	37206	66956	1.89%	0.146%
2	2.334	20	24	30	rVB2	73169	140480	3.96%	0.306%
3	2.587	52	67	76	rVB3	77572	224030	6.32%	0.488%
4	2.746	87	94	98	rBV	20786	44953	1.27%	0.098%
5	2.799	98	103	113	rVB3	40161	93291	2.63%	0.203%
6	3.040	125	144	147	rBV4	24157	71493	2.02%	0.156%
7	3.081	147	151	161	rVB3	32025	72969	2.06%	0.159%
8	3.310	185	190	202	rVB4	24339	60180	1.70%	0.131%
9	3.475	202	218	228	rBV5	32241	122487	3.46%	0.267%
10	3.652	235	248	252	rBV	82713	202966	5.73%	0.442%
11	3.699	252	256	261	rVB	42397	72113	2.04%	0.157%
12	3.781	261	270	278	rBV2	103217	211629	5.97%	0.461%
13	3.899	285	290	296	rVB2	29449	54434	1.54%	0.119%
14	4.052	310	316	320	rBV3	47261	85375	2.41%	0.186%
15	4.099	320	324	331	rVB2	25213	50226	1.42%	0.109%
16	4.240	344	348	353	rVB3	37693	64243	1.81%	0.140%
17	4.304	353	359	366	rVB4	24062	47907	1.35%	0.104%
18	4.387	366	373	376	rBV2	32807	68917	1.95%	0.150%
19	4.463	383	386	390	rVB2	37852	55387	1.56%	0.121%
20	4.510	390	394	399	rVB3	30019	51151	1.44%	0.111%
21	4.569	399	404	409	rBV	60392	93677	2.64%	0.204%
22	4.669	415	421	432	rBV2	152509	259104	7.31%	0.564%
23	4.910	457	462	465	rBV2	42977	68625	1.94%	0.149%
24	5.022	477	481	484	rBV	44649	72142	2.04%	0.157%
25	5.110	492	496	502	rBV	90188	132901	3.75%	0.289%
26	5.187	502	509	517	rVV6	44917	118925	3.36%	0.259%
27	5.387	538	543	550	rVB	899348	1169879	33.02%	2.547%
28	5.510	556	564	570	rVB2	1445157	2222599	62.73%	4.839%
29	5.751	600	605	613	rVV	78594	114979	3.25%	0.250%
30	6.069	654	659	664	rBV	326362	408555	11.53%	0.889%
31	6.216	680	684	688	rBV4	21830	37099	1.05%	0.081%
32	6.357	704	708	713	rVB	389408	483222	13.64%	1.052%
33	6.422	713	719	722	rBV	214675	301177	8.50%	0.656%
34	6.457	722	725	729	rVV	396493	484308	13.67%	1.054%
35	6.516	729	735	741	rVB2	690435	1004715	28.36%	2.187%
36	6.587	741	747	752	rBV	965484	1221291	34.47%	2.659%

Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	6.722	761	770	776	rBV	1572208	2037190	57.50%	4.435%
38	6.845	784	791	796	rBV3	78675	161359	4.55%	0.351%
39	6.898	796	800	804	rVV	553591	710479	20.05%	1.547%
40	6.957	806	810	818	rVB	599502	795584	22.45%	1.732%
41	7.081	818	831	837	rVB	841700	1214825	34.29%	2.645%
42	7.145	837	842	850	rBV2	588315	818542	23.10%	1.782%
43	7.216	850	854	862	rVB	536242	824428	23.27%	1.795%
44	7.292	862	867	872	rBV	188874	246809	6.97%	0.537%
45	7.363	872	879	886	rBV	370563	711973	20.09%	1.550%
46	7.434	886	891	893	rBV	1258517	1695099	47.84%	3.690%
47	7.463	893	896	902	rVB2	2187833	3013792	85.06%	6.561%
48	7.540	905	909	913	rBV3	90077	127616	3.60%	0.278%
49	7.581	913	916	923	rVB2	191909	260553	7.35%	0.567%
50	7.669	923	931	933	rBV	661947	937487	26.46%	2.041%
51	7.692	933	935	941	rVB	430060	474686	13.40%	1.033%
52	7.745	941	944	947	rVB	52184	59663	1.68%	0.130%
53	7.781	947	950	955	rBV2	60813	87614	2.47%	0.191%
54	7.851	955	962	968	rVB	780081	1166073	32.91%	2.539%
55	7.916	968	973	978	rBV	1625297	2239969	63.22%	4.876%
56	8.022	988	991	993	rBV	37481	39259	1.11%	0.085%
57	8.181	1003	1018	1025	rBV4	856521	2365656	66.77%	5.150%
58	8.263	1029	1032	1036	rVB2	69257	83825	2.37%	0.182%
59	8.334	1041	1044	1048	rBV	32581	37469	1.06%	0.082%
60	8.381	1048	1052	1056	rVV3	23500	40799	1.15%	0.089%
61	8.457	1056	1065	1070	rVB2	173253	286706	8.09%	0.624%
62	8.563	1079	1083	1093	rBV2	224499	414215	11.69%	0.902%
63	8.645	1094	1097	1101	rVV	83504	117777	3.32%	0.256%
64	8.687	1101	1104	1109	rVB3	60270	87524	2.47%	0.191%
65	8.739	1109	1113	1115	rBV	92128	115914	3.27%	0.252%
66	8.769	1115	1118	1122	rVB2	104656	118596	3.35%	0.258%
67	8.845	1128	1131	1134	rVB2	35544	41668	1.18%	0.091%
68	8.992	1151	1156	1160	rBV	215851	290462	8.20%	0.632%
69	9.028	1160	1162	1166	rVV3	38974	45303	1.28%	0.099%
70	9.075	1166	1170	1176	rVB6	20120	35741	1.01%	0.078%
71	9.257	1195	1201	1206	rVB	2753767	3543100	100.00%	7.713%
72	9.522	1240	1246	1251	rVB3	32284	61264	1.73%	0.133%
73	9.939	1311	1317	1322	rBV	774433	1000515	28.24%	2.178%
74	10.028	1327	1332	1339	rVB	66947	93873	2.65%	0.204%
75	10.398	1391	1395	1406	rVB	54930	86041	2.43%	0.187%
76	10.651	1433	1438	1445	rBV	254944	331528	9.36%	0.722%

Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	10.728	1445	1451	1465	rVV	1634177	2150051	60.68%	4.681%
78	10.833	1465	1469	1478	rVB3	23175	51593	1.46%	0.112%
79	11.428	1564	1570	1576	rBV	695130	882841	24.92%	1.922%
80	11.951	1653	1659	1673	rBV	623198	940205	26.54%	2.047%
81	12.657	1773	1779	1786	rBV3	26292	59766	1.69%	0.130%
82	12.733	1787	1792	1805	rBV	298203	472248	13.33%	1.028%
83	13.016	1834	1840	1845	rBV	2137594	2800731	79.05%	6.097%
84	13.916	1987	1993	2010	rBV	75315	175235	4.95%	0.381%
85	14.069	2011	2019	2028	rBV	509716	677035	19.11%	1.474%
86	14.927	2160	2165	2172	rVB	87492	124984	3.53%	0.272%
87	15.563	2267	2273	2286	rBV	451316	724403	20.45%	1.577%

Sum of corrected areas: 45934453

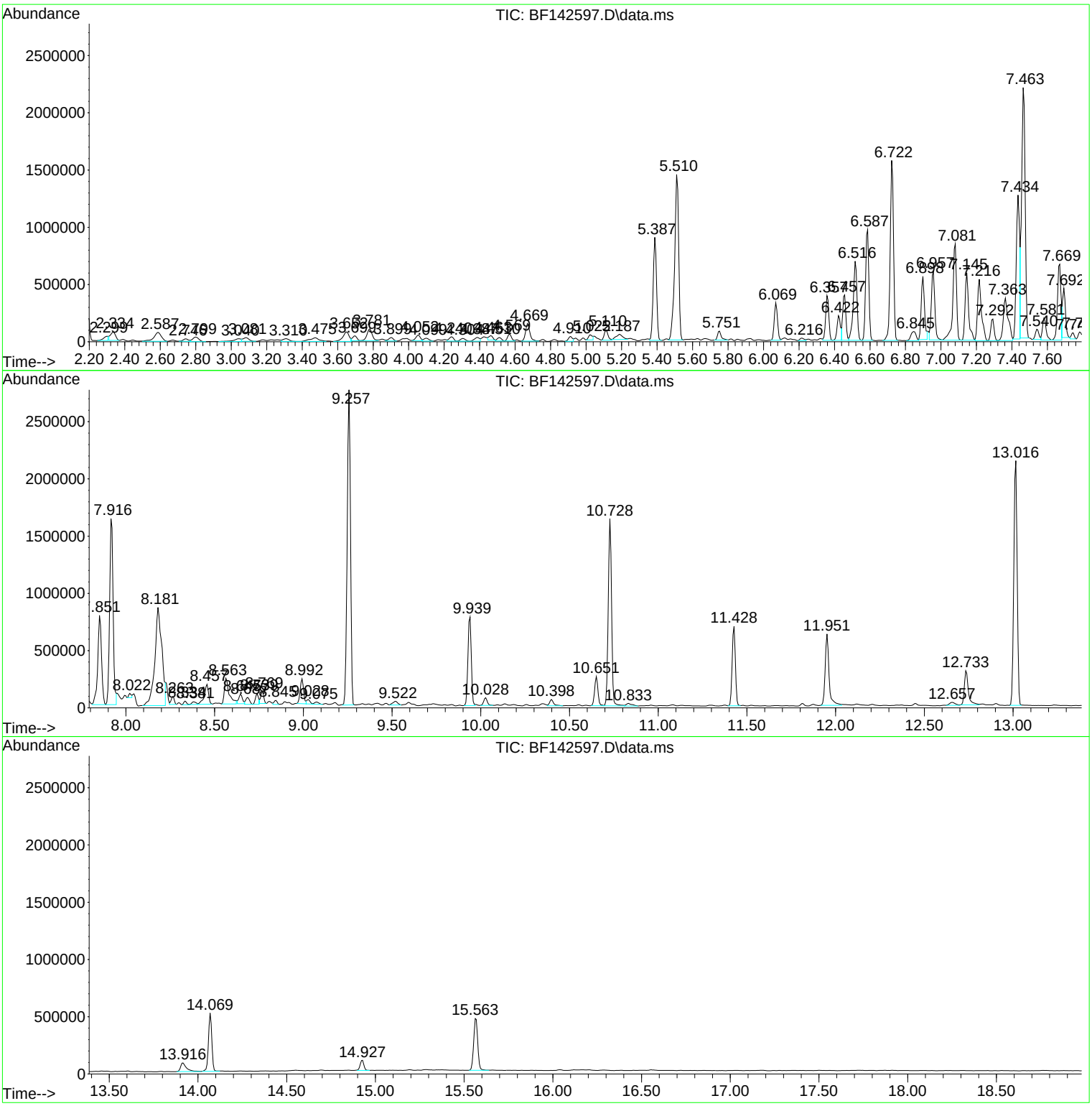
Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

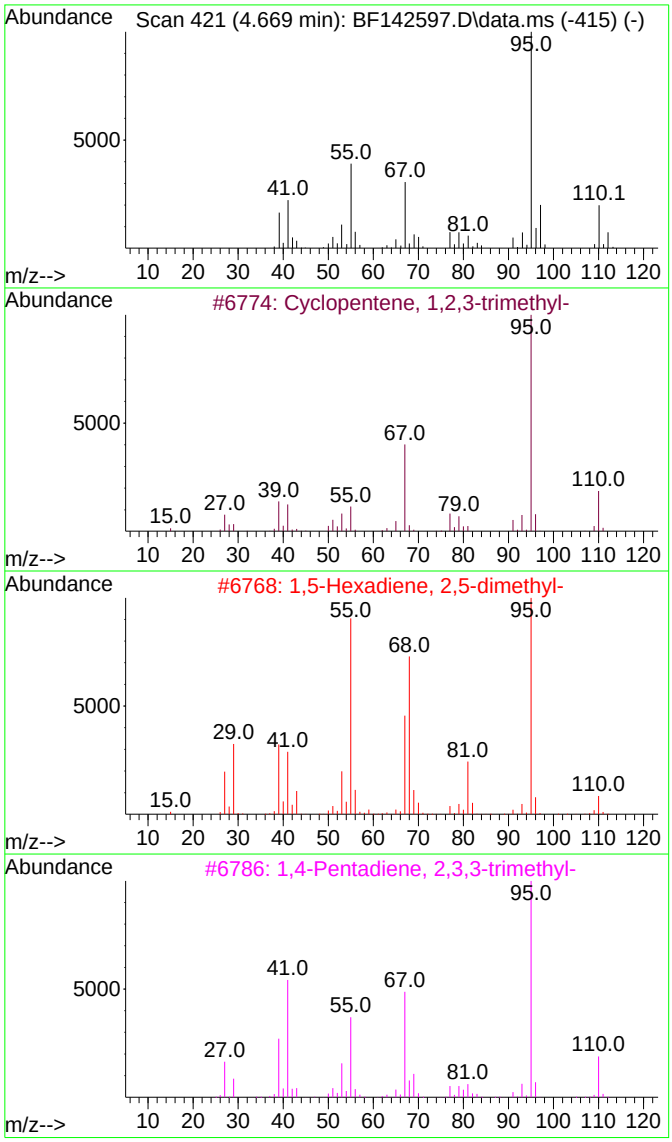
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

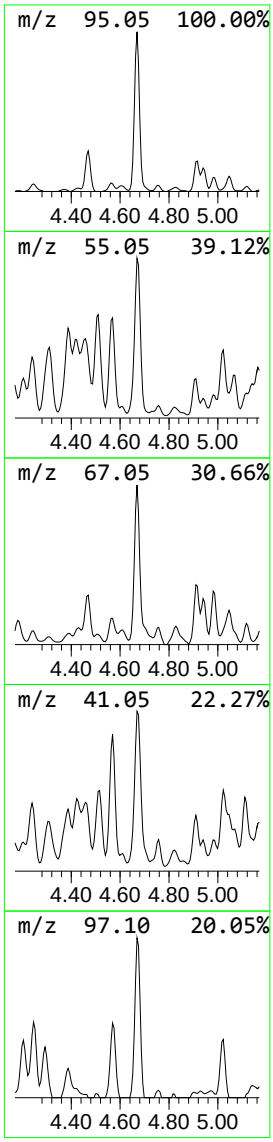
****

Peak Number 1 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.669	7.29 ng	259104	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	93
2	1,5-Hexadiene, 2,5-dimethyl-	110	C8H14	000627-58-7	64
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	62
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

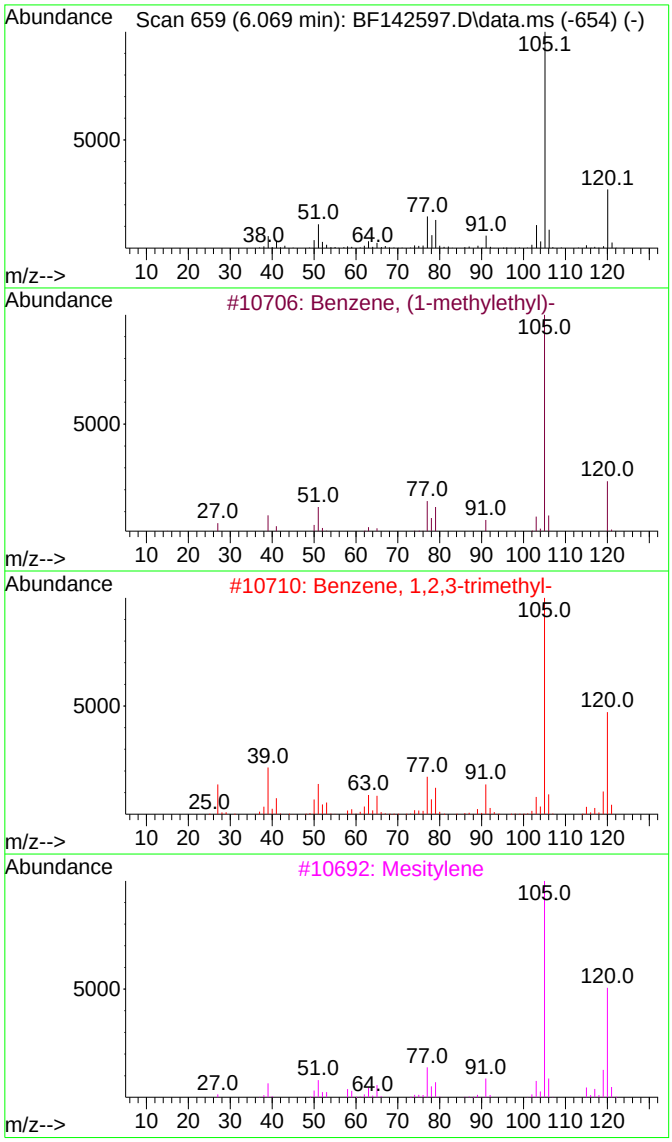
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

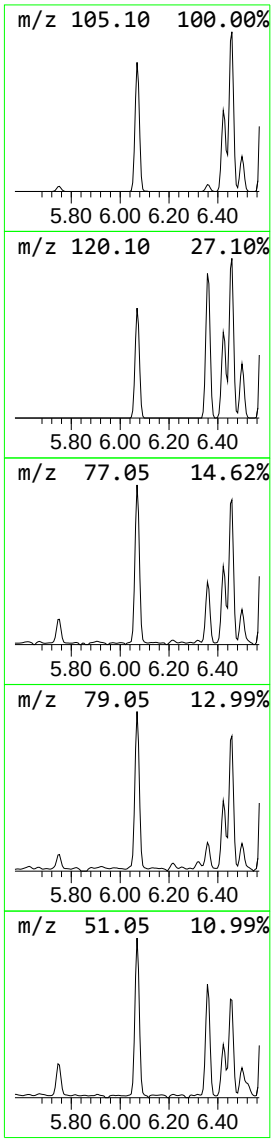
****

Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.069	11.50 ng	408555	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	87
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

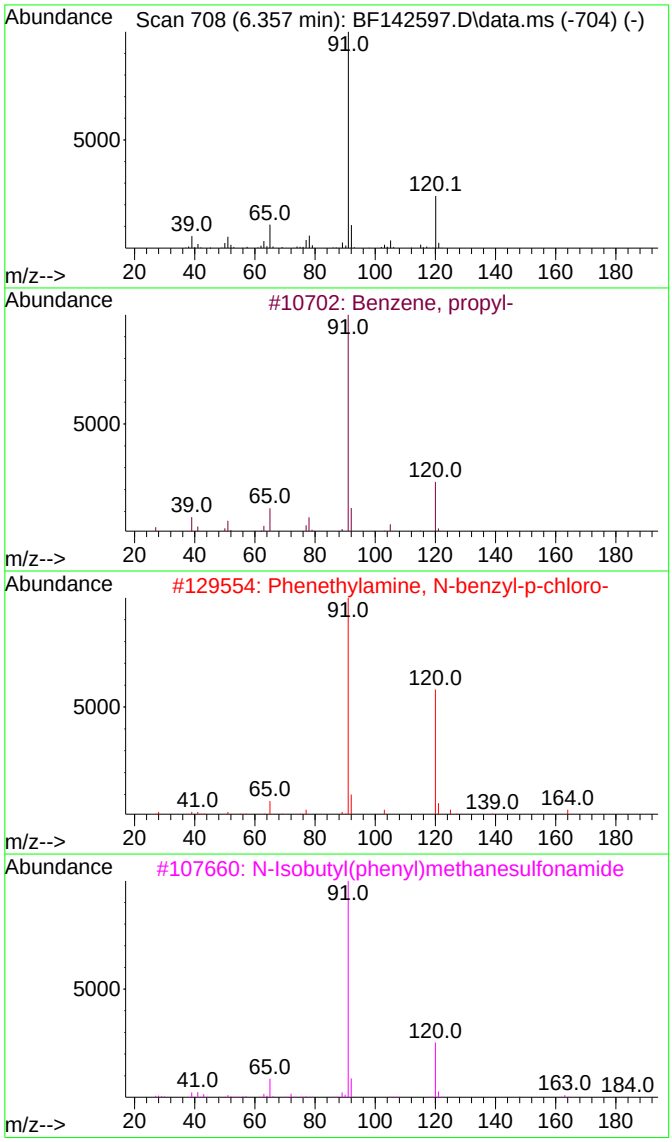
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

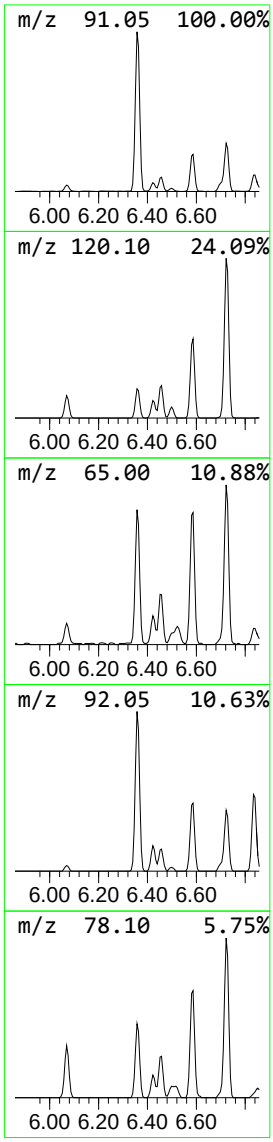
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenethylamine, N-benzyl-p-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.357	13.60 ng	483222	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
3	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

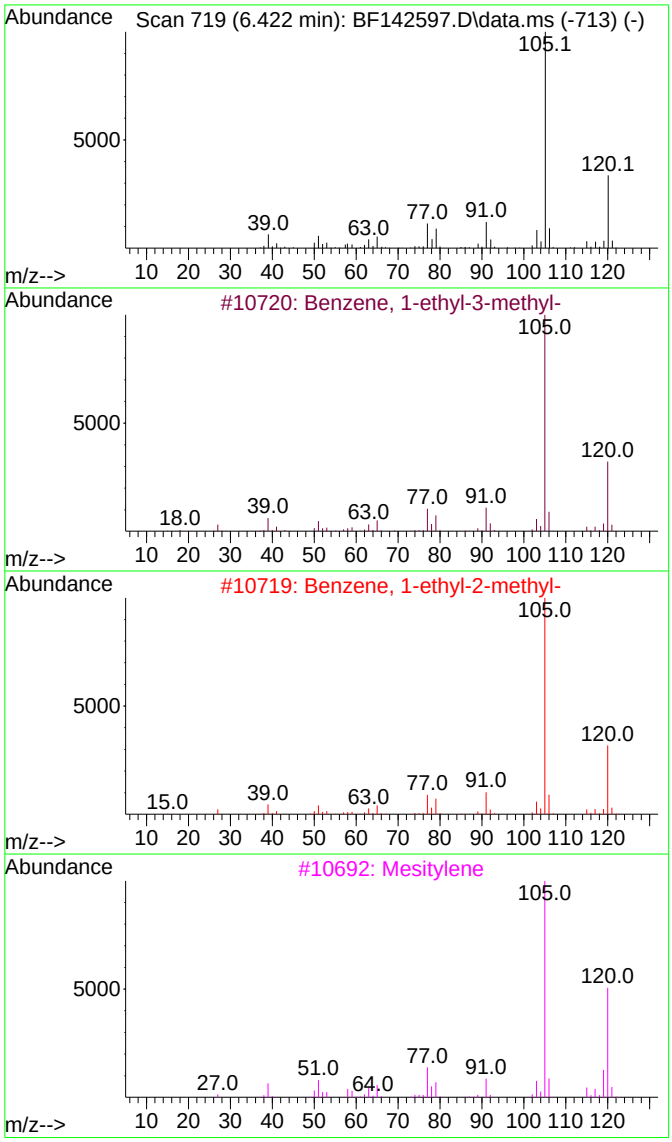
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

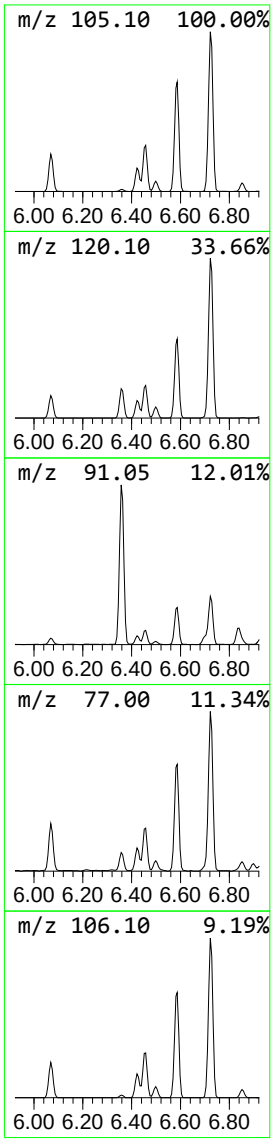
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.422	8.48 ng	301177	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

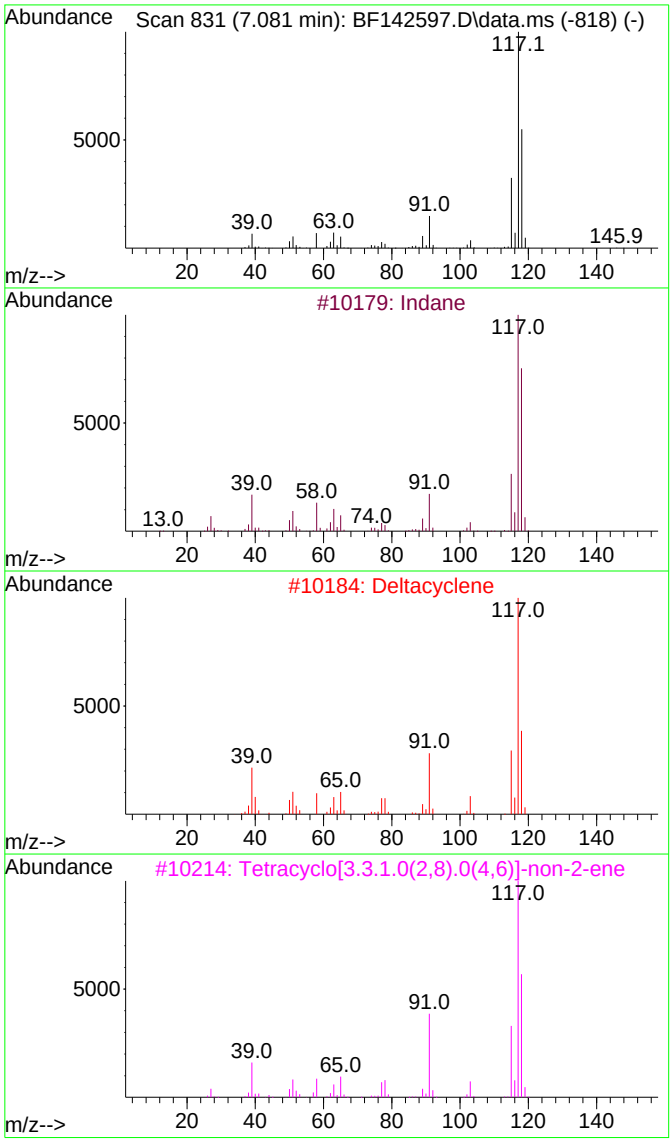
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

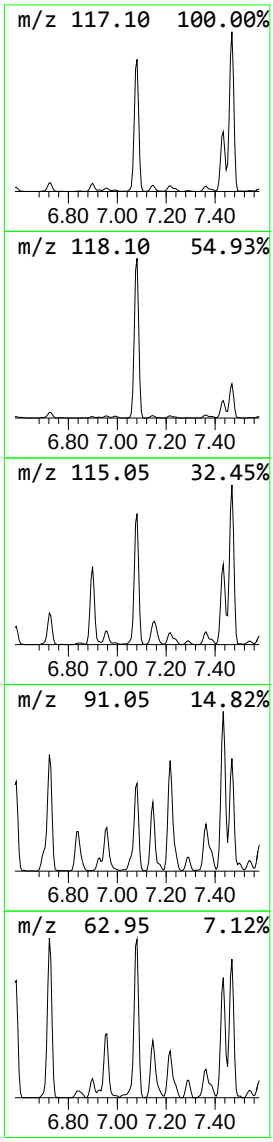
****

Peak Number 10 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.081	34.20 ng	1214830	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Deltacyclene	118	C9H10	007785-10-6	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

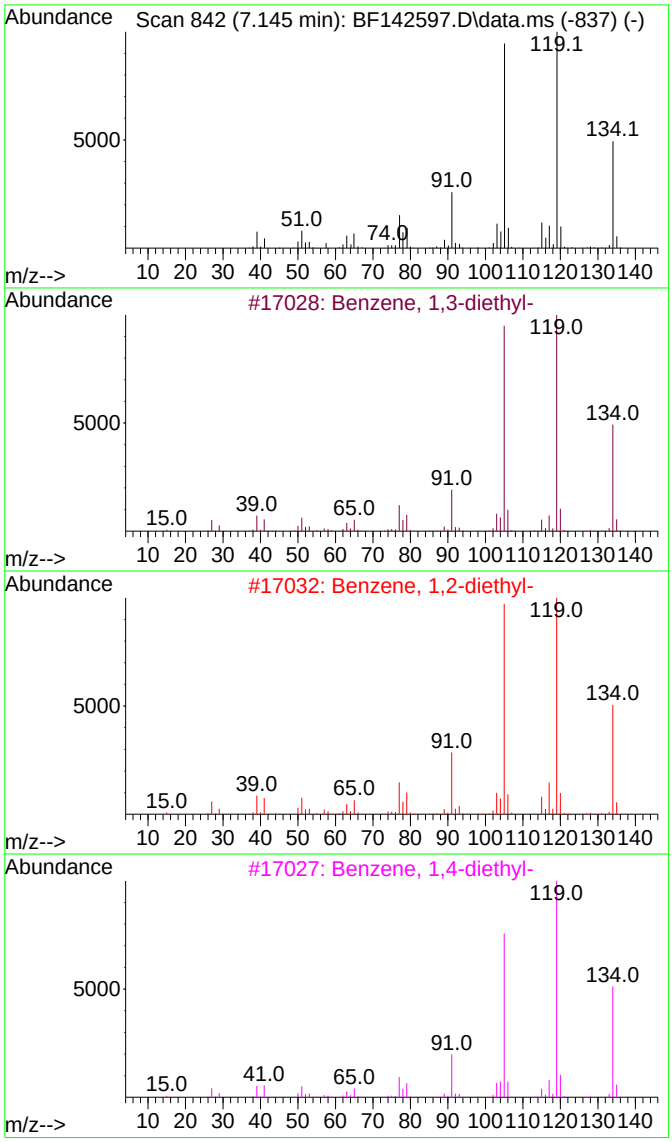
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

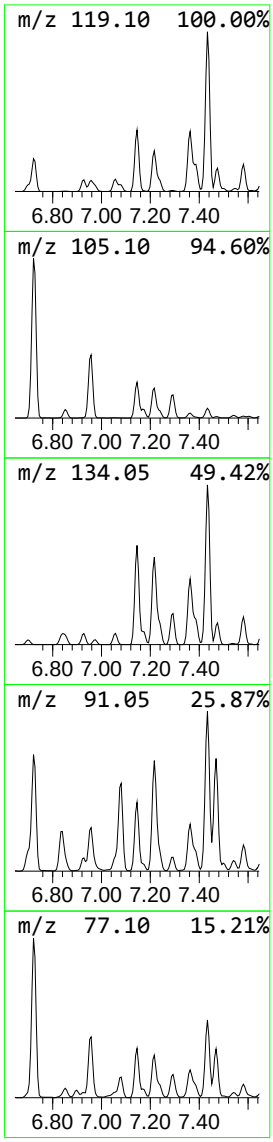
****

Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	23.04 ng	818542	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

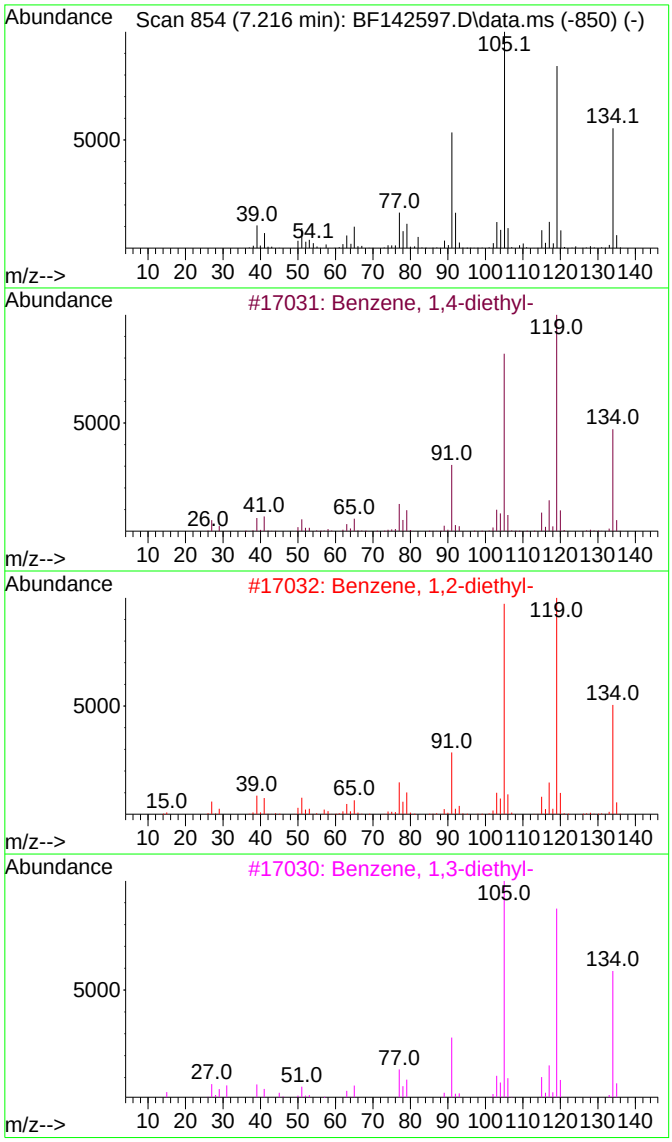
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

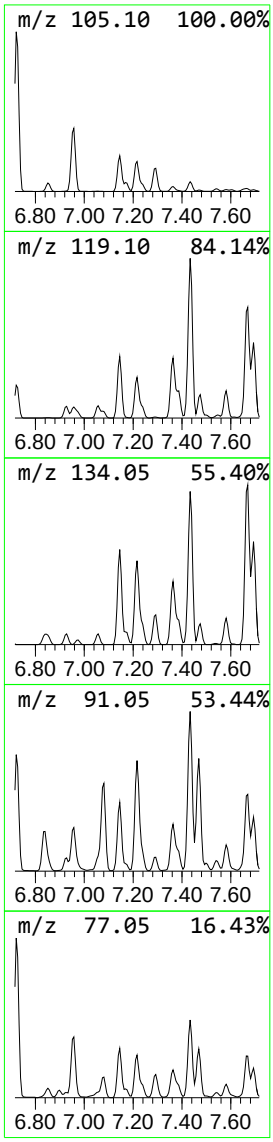
****

Peak Number 12 Benzene, 1,4-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.216	23.21 ng	824428	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

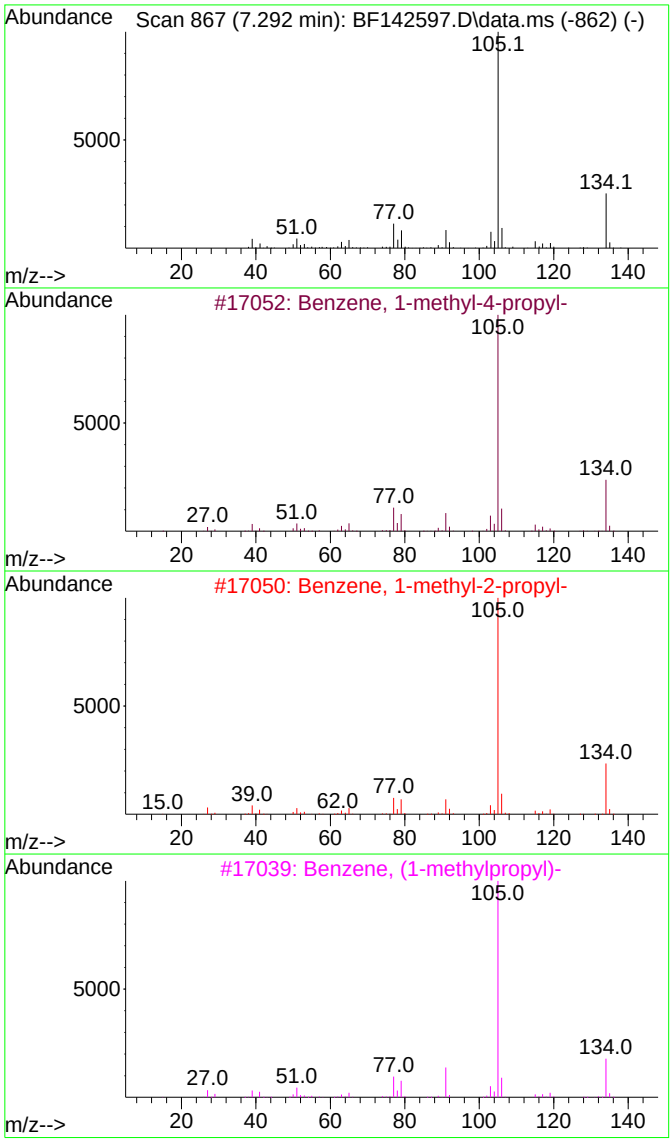
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

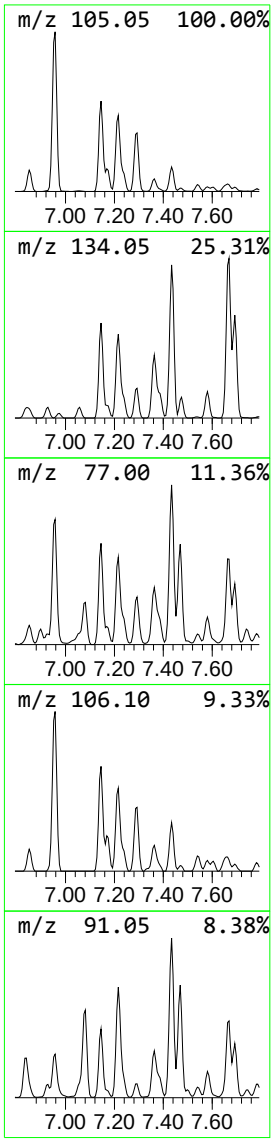
****

Peak Number 13 Benzene, 1-methyl-4-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.292	6.95 ng	246809	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86





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Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

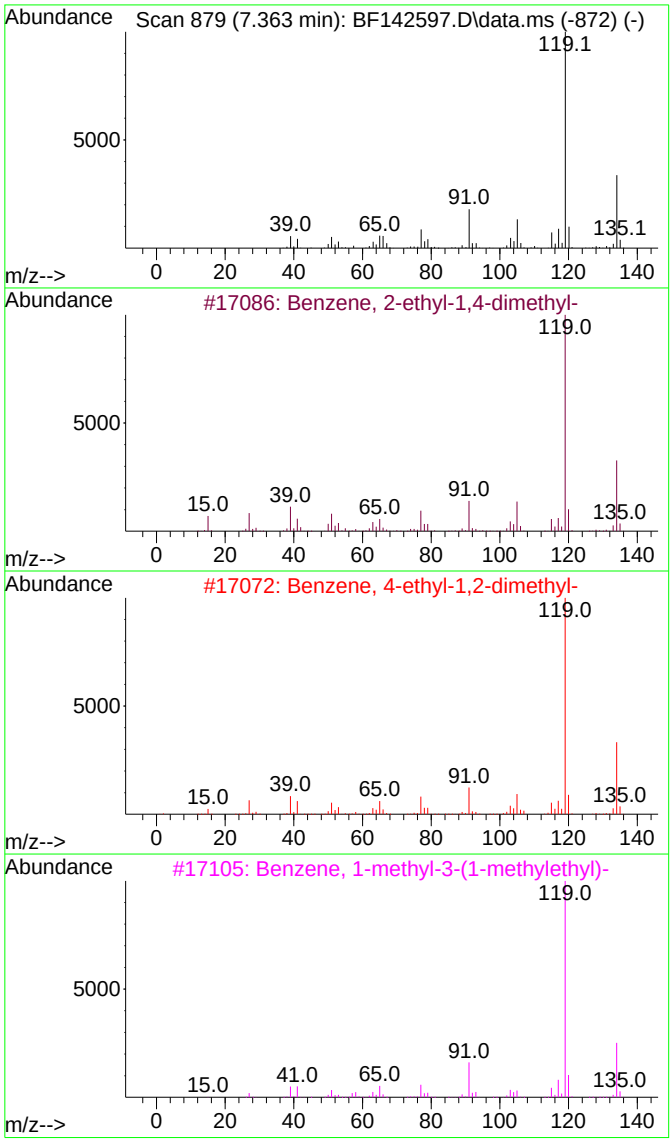
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

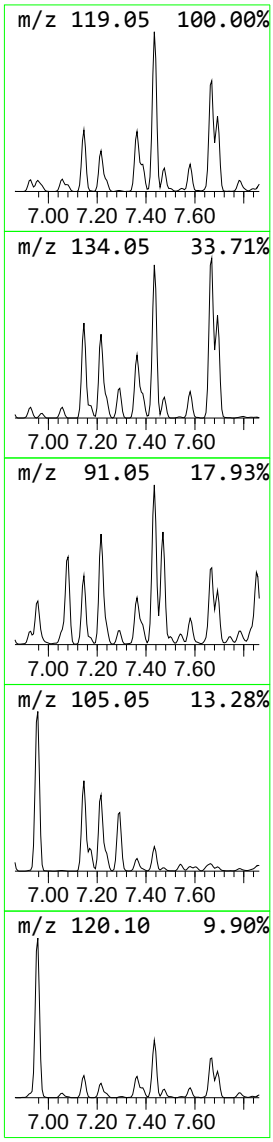
****

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.363	20.04 ng	711973	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	94





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Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

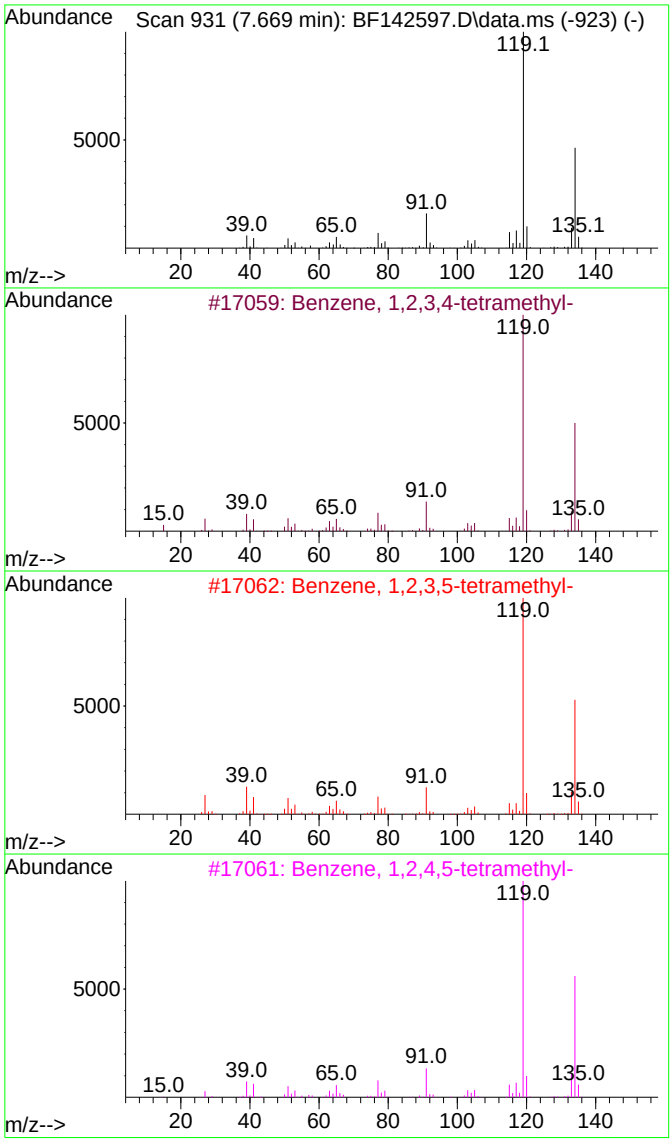
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

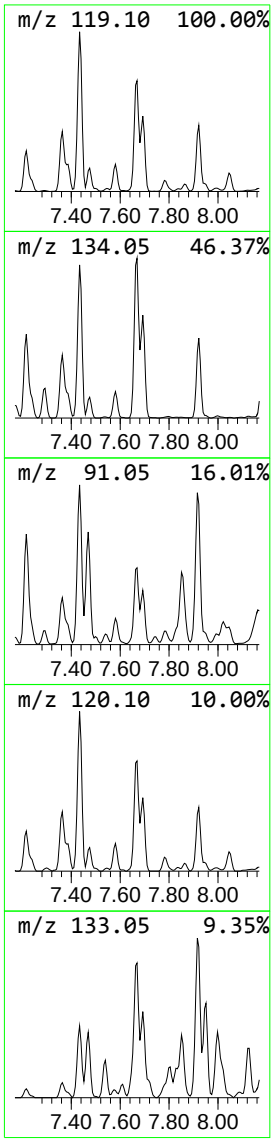
****

Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.669	7.93 ng	937487	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

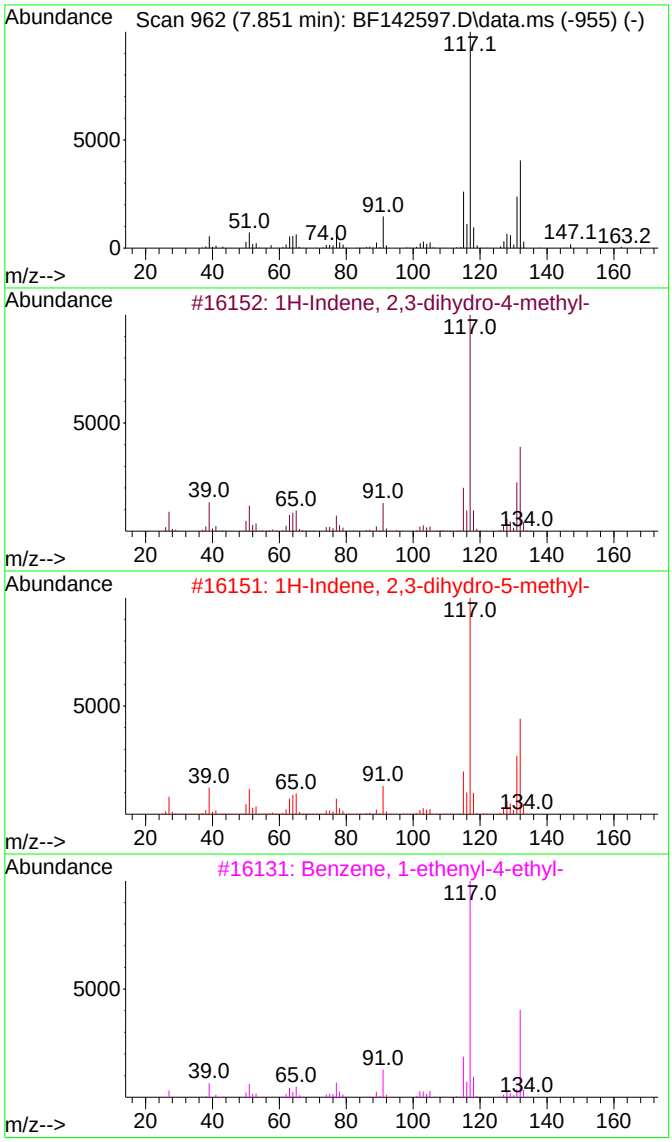
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

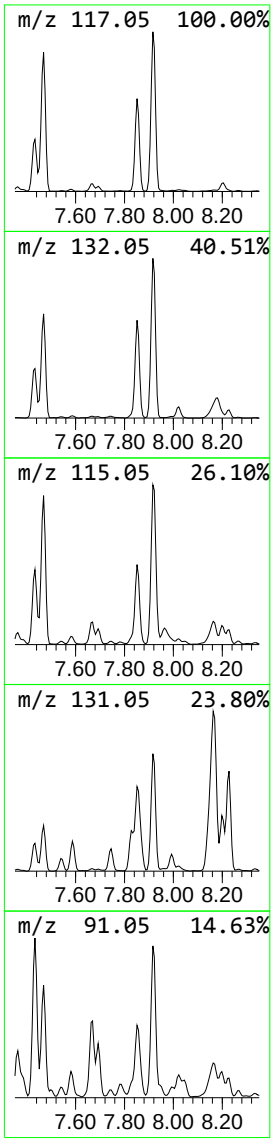
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.851	9.86 ng	1166070	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	80
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

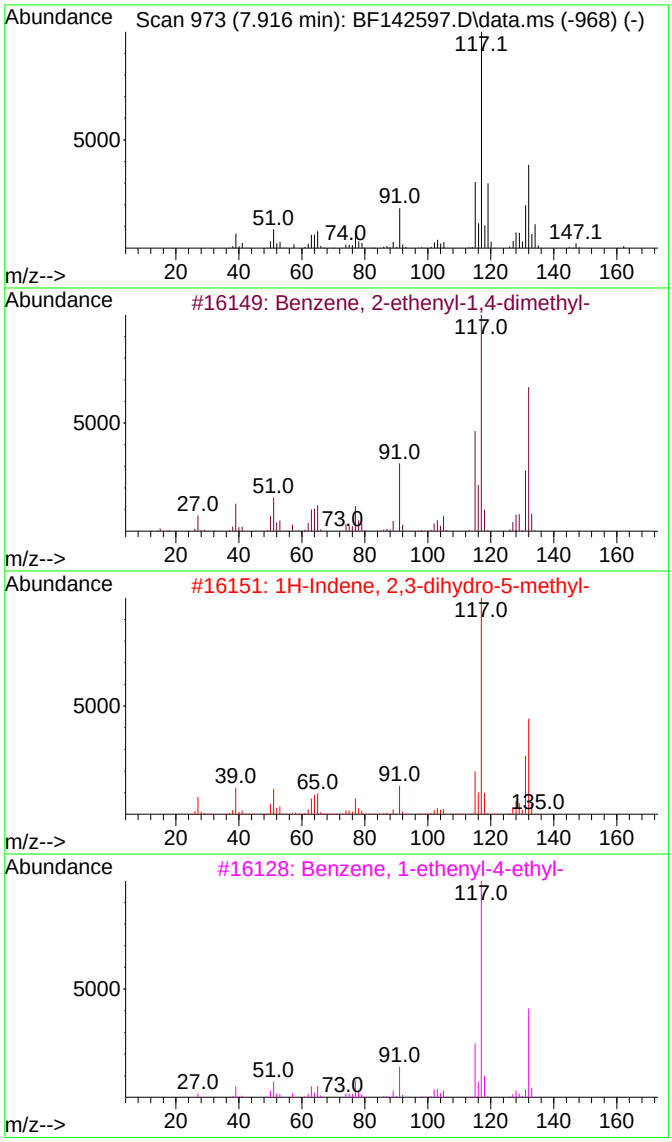
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

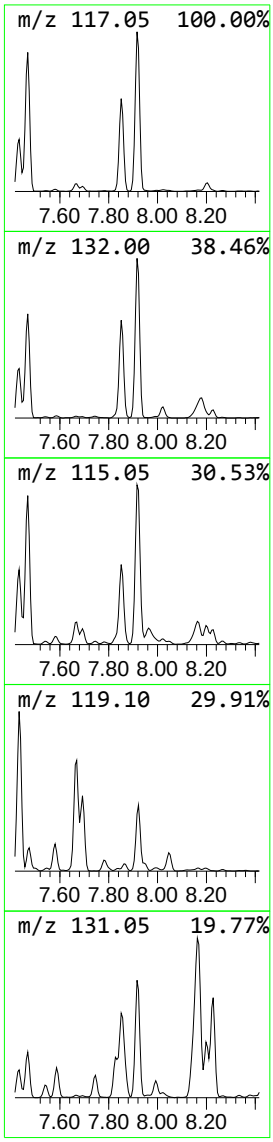
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.916	18.94 ng	2239970	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

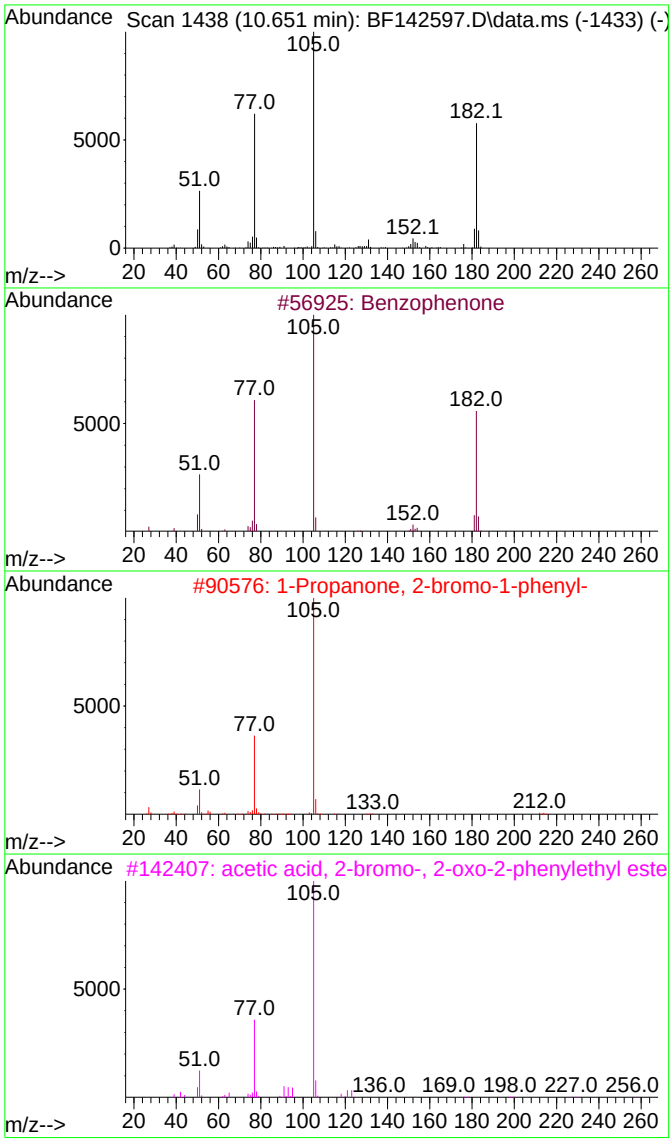
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

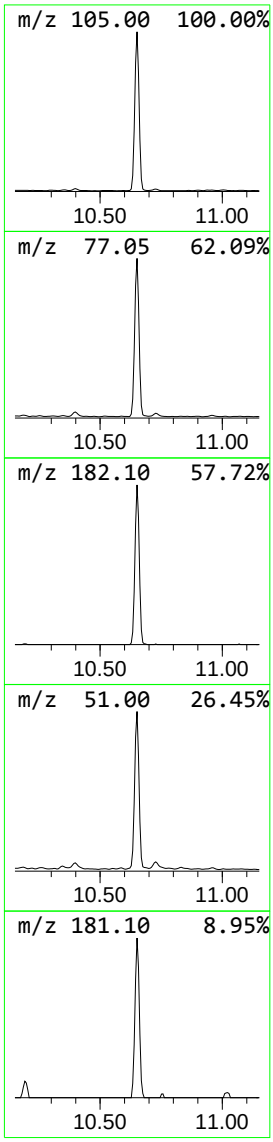
****

Peak Number 18 Benzophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	6.63 ng	331528	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
3	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On    : 02 Jun 2025  15:05
Operator  : RC/JU
Sample    : Q2134-01
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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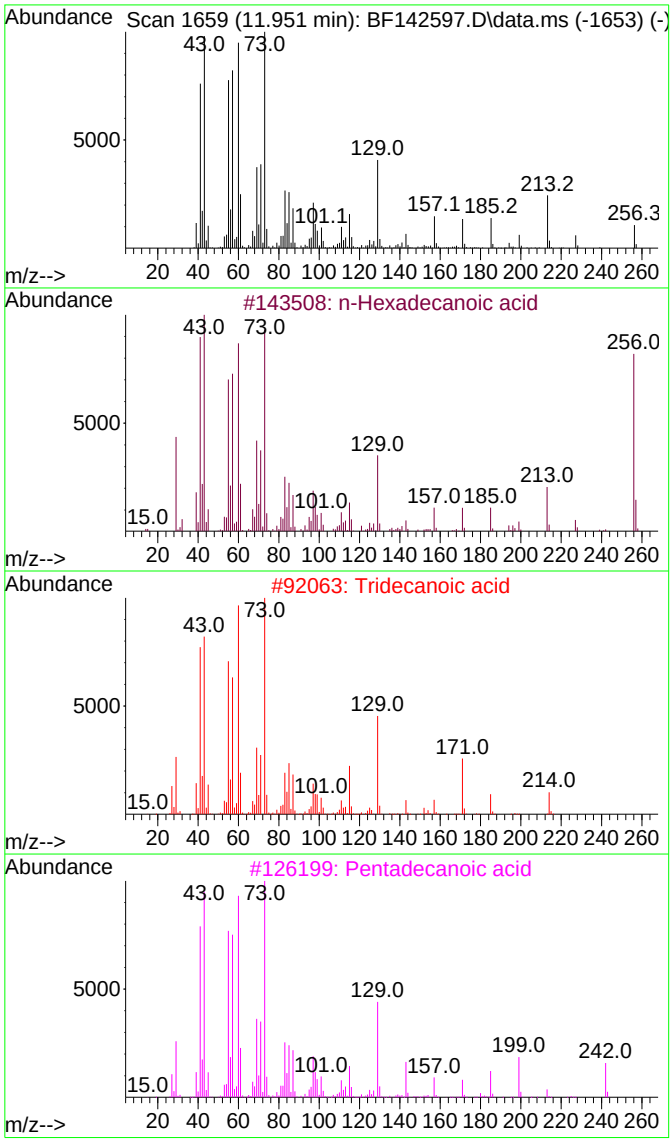
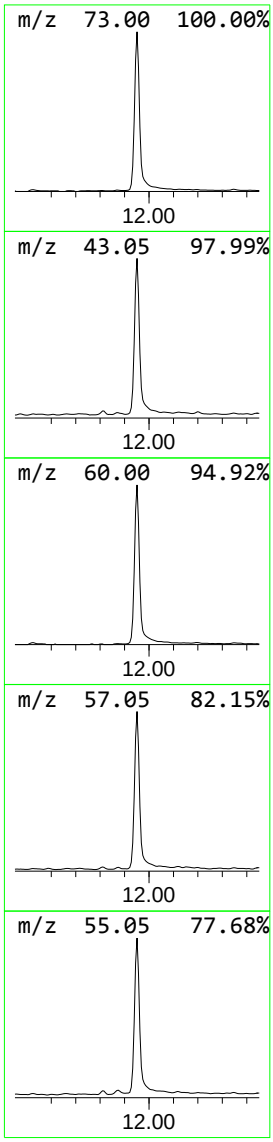
Instrument :
BNA_F
ClientSampleId :
MW10

Peak Number 19 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	21.30 ng	940205	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





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Acq On    : 02 Jun 2025  15:05
Operator  : RC/JU
Sample    : Q2134-01
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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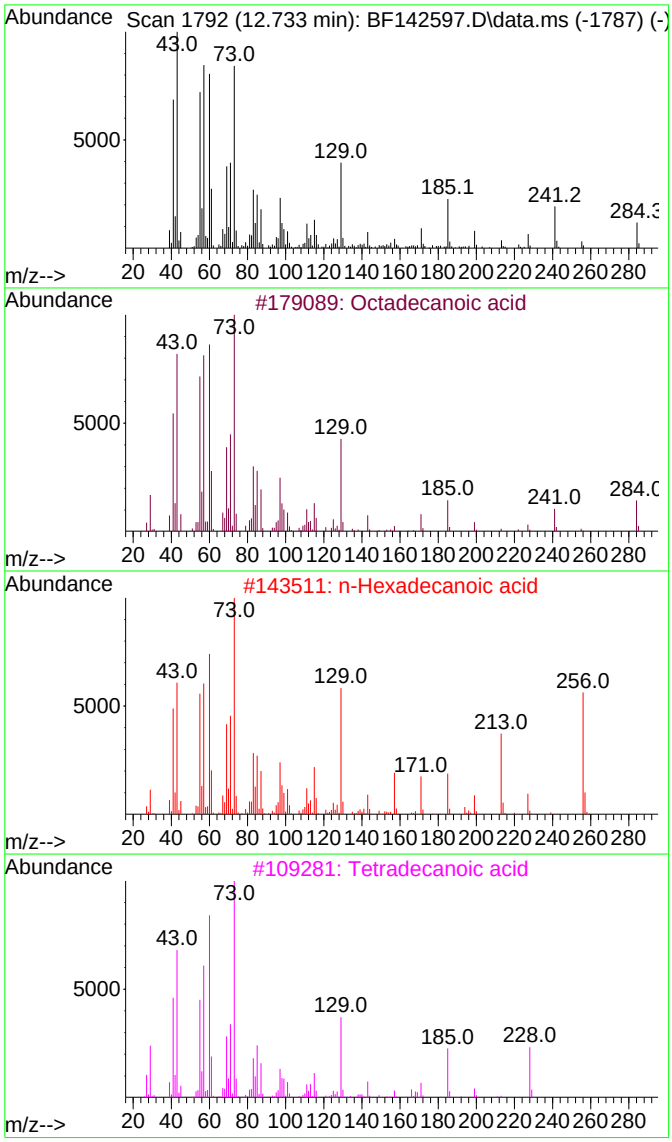
Instrument : BNA_F
ClientSampleId : MW10

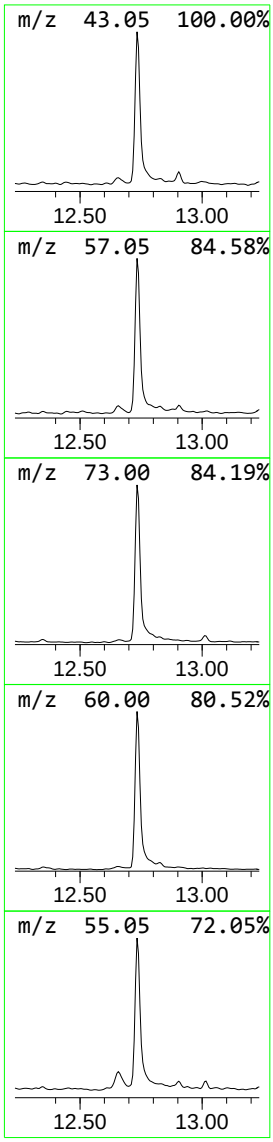
****

Peak Number 20 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	10.70 ng	472248	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	52





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Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentene, 1...	4.669	7.3	ng	259104	1	6.898	710479	20.0
Benzene, (1-met...	6.069	11.5	ng	408555	1	6.898	710479	20.0
Phenethylamine,...	6.357	13.6	ng	483222	1	6.898	710479	20.0
Benzene, 1-ethy...	6.422	8.5	ng	301177	1	6.898	710479	20.0
Indane	7.081	34.2	ng	1214830	1	6.898	710479	20.0
Benzene, 1,3-di...	7.145	23.0	ng	818542	1	6.898	710479	20.0
Benzene, 1,4-di...	7.216	23.2	ng	824428	1	6.898	710479	20.0
Benzene, 1-meth...	7.292	7.0	ng	246809	1	6.898	710479	20.0
Benzene, 2-ethy...	7.363	20.0	ng	711973	1	6.898	710479	20.0
Benzene, 1,2,3,...	7.669	7.9	ng	937487	2	8.181	2365660	20.0
1H-Indene, 2,3-...	7.851	9.9	ng	1166070	2	8.181	2365660	20.0
Benzene, 2-ethe...	7.916	18.9	ng	2239970	2	8.181	2365660	20.0
Benzophenone	10.651	6.6	ng	331528	3	9.939	1000520	20.0
n-Hexadecanoic ...	11.951	21.3	ng	940205	4	11.428	882841	20.0
Octadecanoic acid	12.733	10.7	ng	472248	4	11.428	882841	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Quant Time: Jun 02 14:02:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

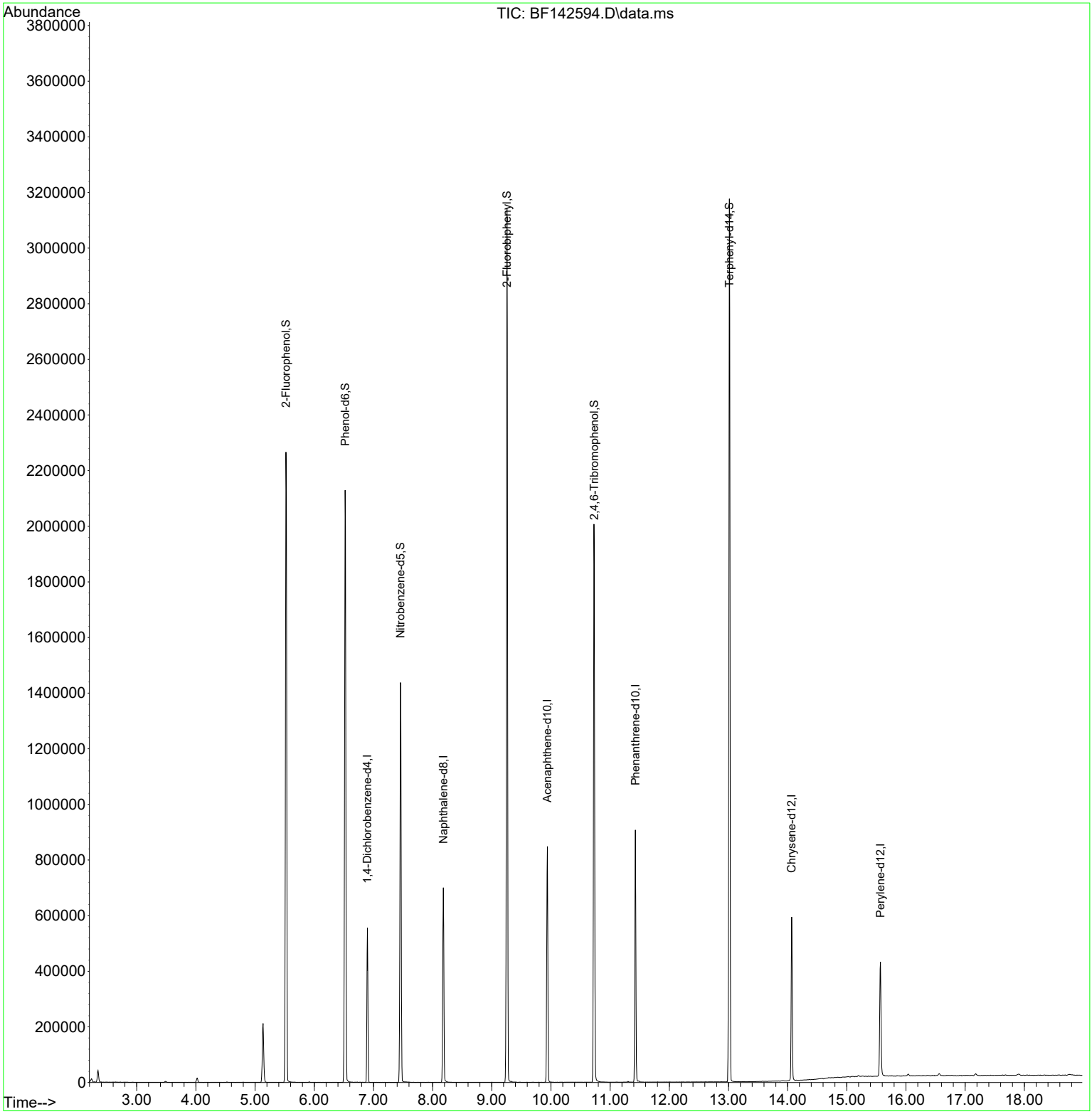
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120624	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	466268	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	259648	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	474960	20.000	ng	0.00
76) Chrysene-d12	14.068	240	286956	20.000	ng	0.00
86) Perylene-d12	15.568	264	248222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	929341	129.801	ng	0.00
7) Phenol-d6	6.522	99	1116479	129.543	ng	-0.01
23) Nitrobenzene-d5	7.457	82	685175	80.129	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	386355	134.069	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1475412	76.249	ng	-0.01
79) Terphenyl-d14	13.016	244	1618331	77.068	ng	0.00
Target Compounds						Qvalue

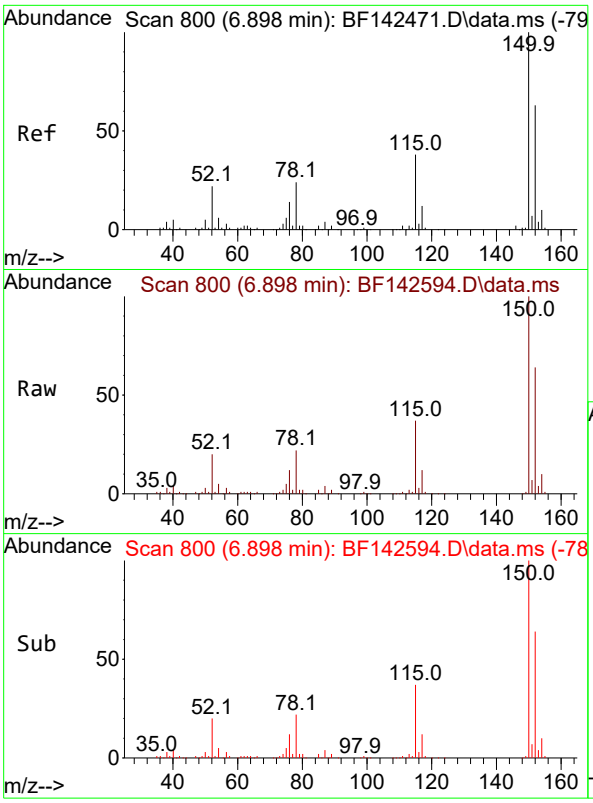
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Quant Time: Jun 02 14:02:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



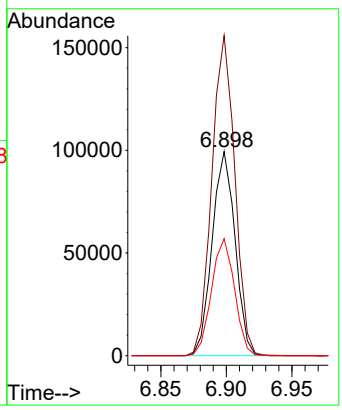


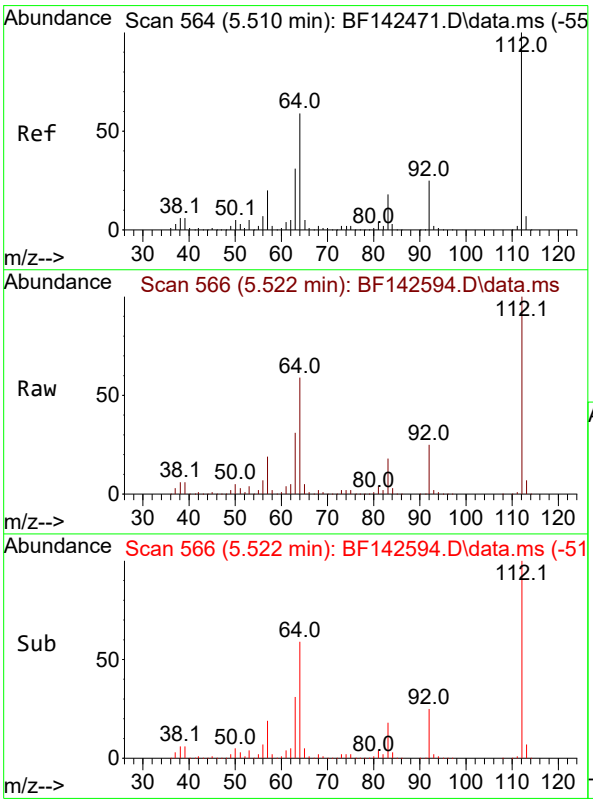
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:152 Resp: 120624

Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.2	192.4
115	57.3	48.3	72.5

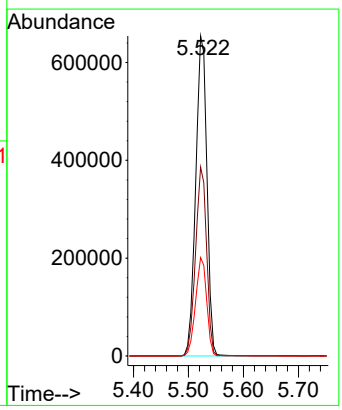


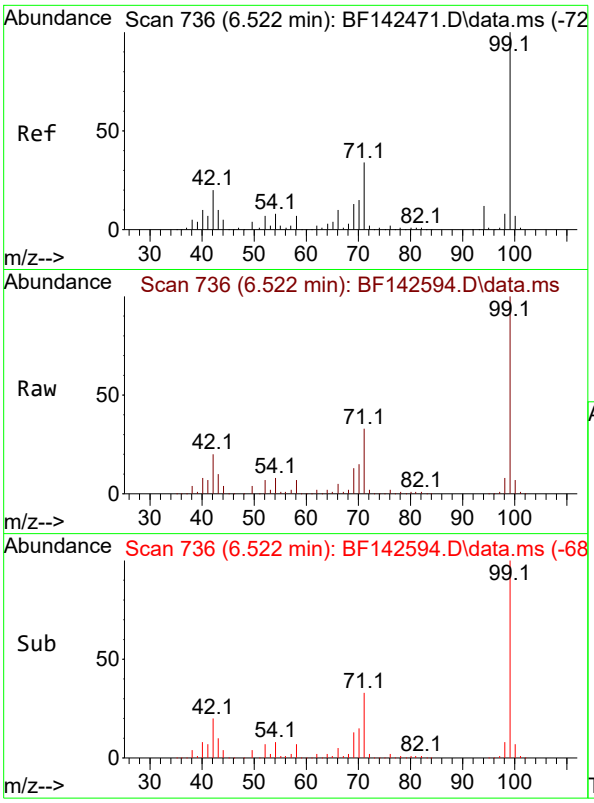


#5
2-Fluorophenol
Concen: 129.801 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:112 Resp: 929341

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.5	71.3
63	30.7	24.9	37.3



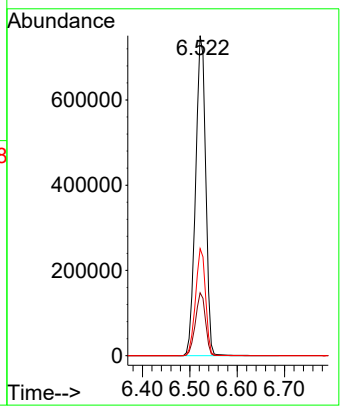


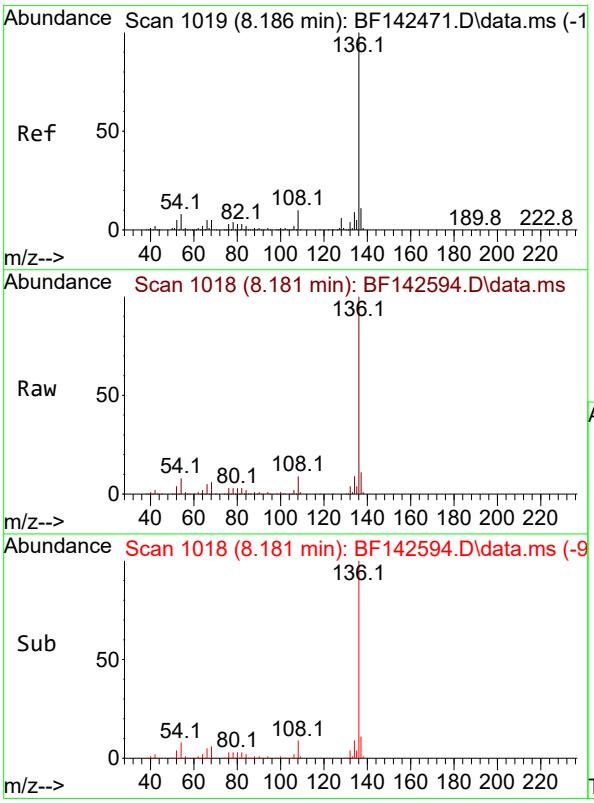
#7
Phenol-d6
Concen: 129.543 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion: 99 Resp: 1116479

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.2	24.2
71	33.4	27.3	40.9

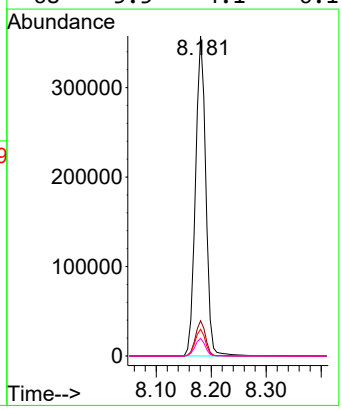


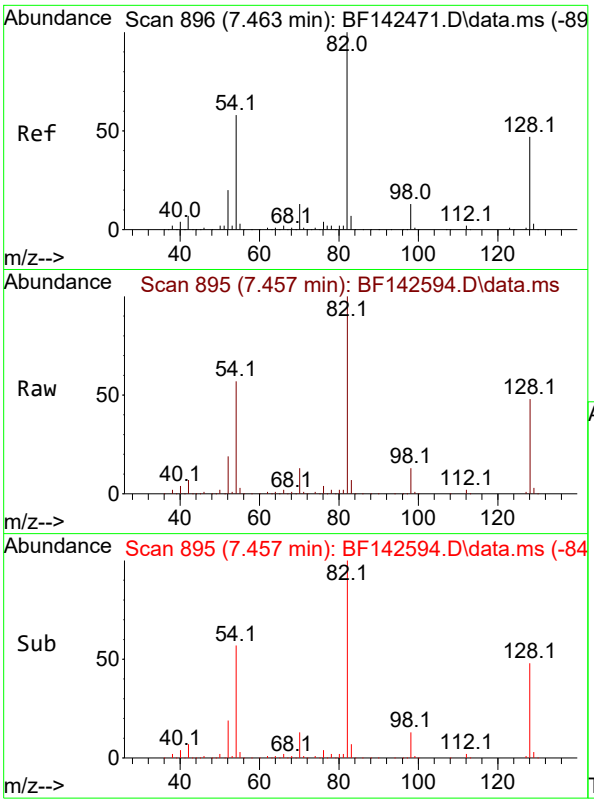


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:136 Resp: 466268

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	6.6	10.0
68	5.5	4.1	6.1



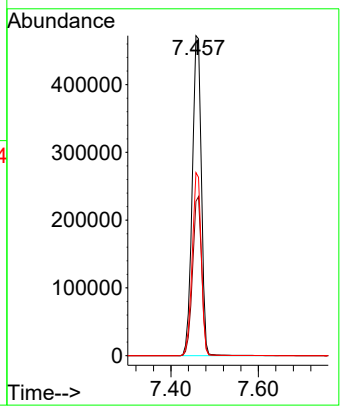


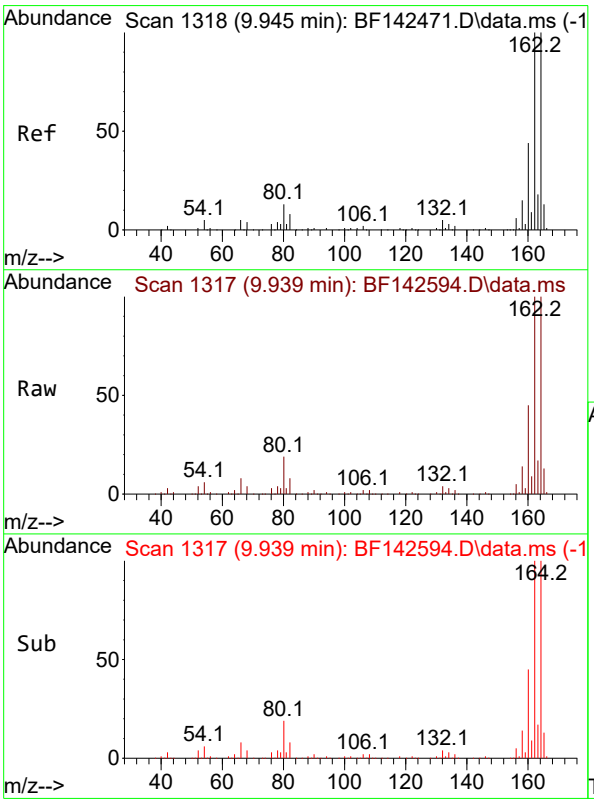
#23
Nitrobenzene-d5
Concen: 80.129 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion: 82 Resp: 685175

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.2	46.6	70.0

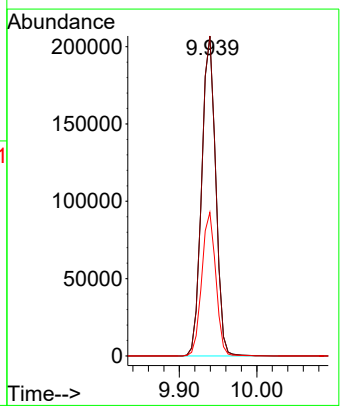


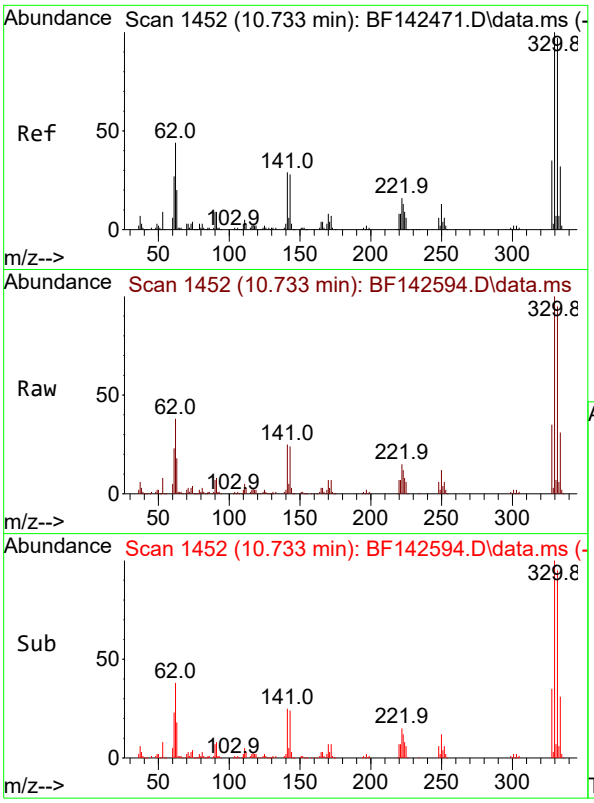


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:164 Resp: 259648

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	44.9	35.6	53.4



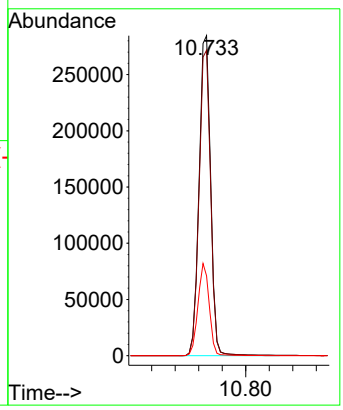


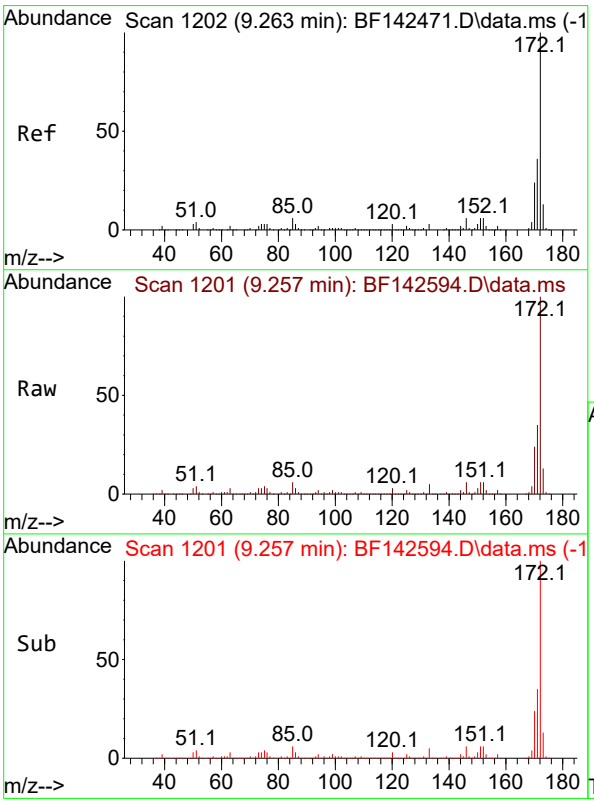
#42
2,4,6-Tribromophenol
Concen: 134.069 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:330 Resp: 386355

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	28.2	24.6	36.8

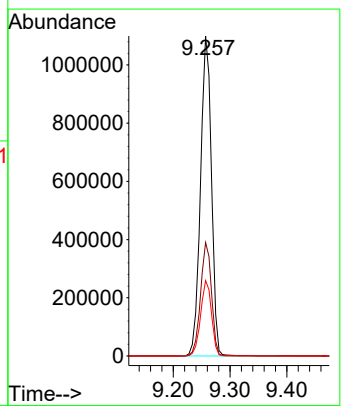


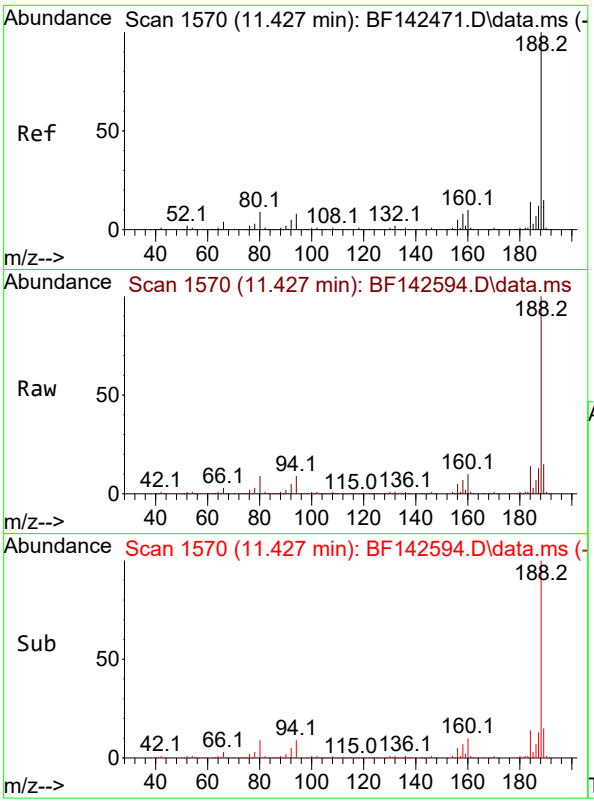


#45
2-Fluorobiphenyl
Concen: 76.249 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:172 Resp: 1475412

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.5	18.9	28.3



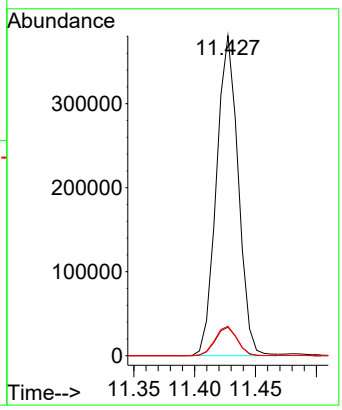


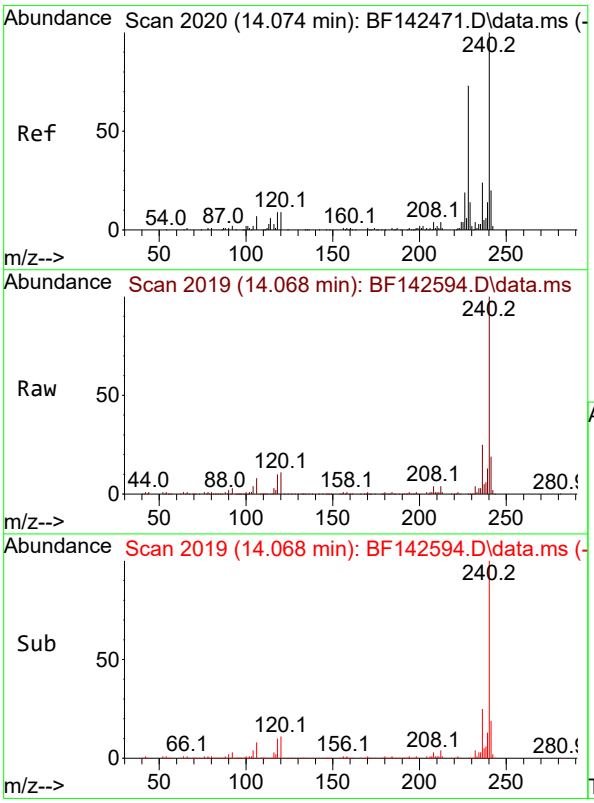
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:188 Resp: 474960

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.2	7.4	11.0

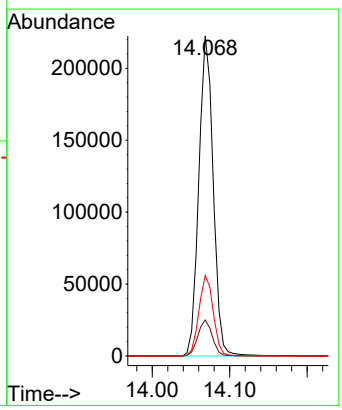


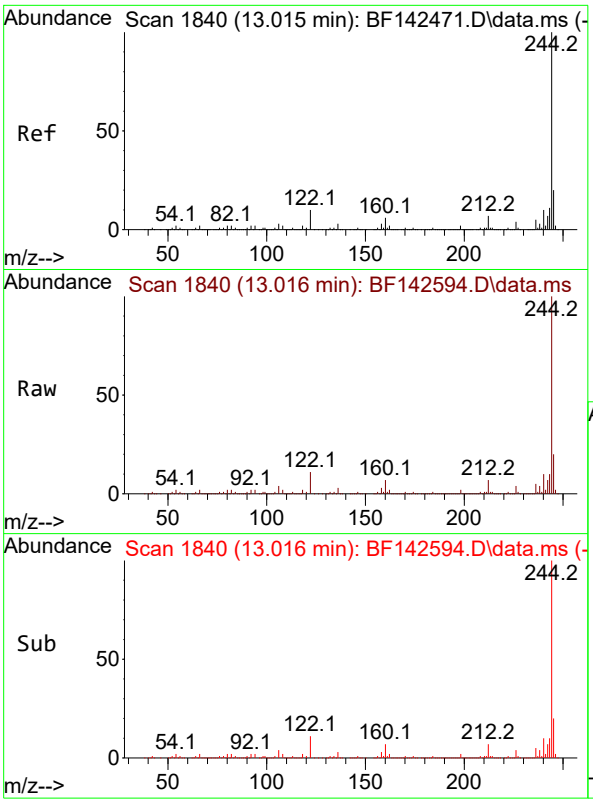


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:240 Resp: 286956

Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.5	11.3
236	25.2	19.6	29.4



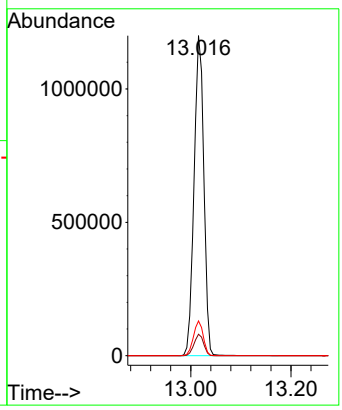


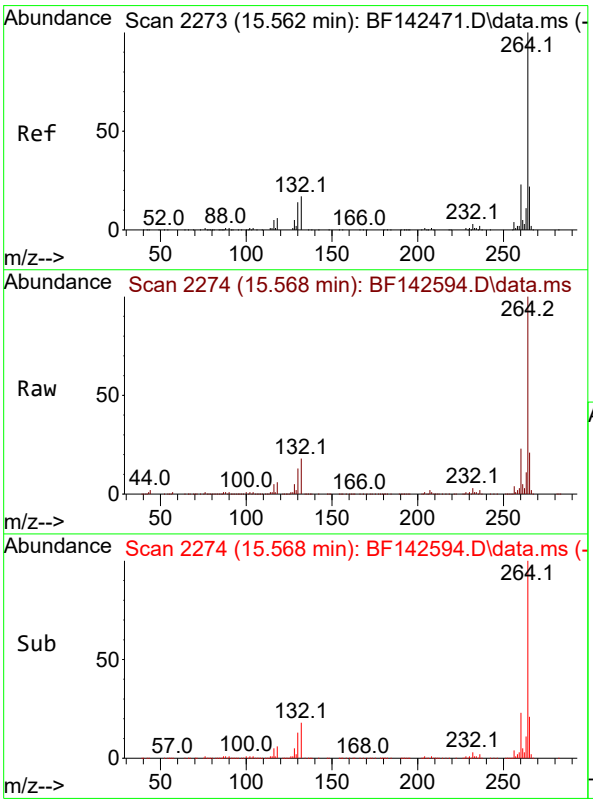
#79
Terphenyl-d14
Concen: 77.068 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:244 Resp: 1618331

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	8.2	12.2

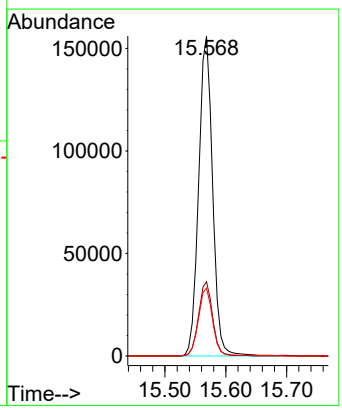




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:264 Resp: 248222

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	17.7	26.5



Sample Results: **BF142594.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

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:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142594.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.346	20	26	32	rBV	41123	64363	1.52%	0.256%
2	5.134	493	500	515	rBV	211712	353874	8.33%	1.407%
3	5.522	559	566	572	rBV	2266119	3181130	74.91%	12.653%
4	6.522	729	736	742	rBV	2129179	3159269	74.39%	12.566%
5	6.898	795	800	805	rBV	554980	674922	15.89%	2.684%
6	7.457	889	895	901	rBV	1437493	2079990	48.98%	8.273%
7	8.181	1012	1018	1030	rBV	699537	903783	21.28%	3.595%
8	9.257	1194	1201	1206	rBV	3141470	4159816	97.95%	16.545%
9	9.939	1311	1317	1333	rBV	847501	1065357	25.09%	4.237%
10	10.727	1445	1451	1473	rBV	2006364	2708239	63.77%	10.772%
11	11.427	1565	1570	1577	rBV	906008	1126581	26.53%	4.481%
12	13.016	1834	1840	1845	rBV	3174559	4246867	100.00%	16.891%
13	14.068	2011	2019	2030	rBV	588067	759950	17.89%	3.023%
14	15.568	2267	2274	2284	rBV	410357	658032	15.49%	2.617%

Sum of corrected areas: 25142173

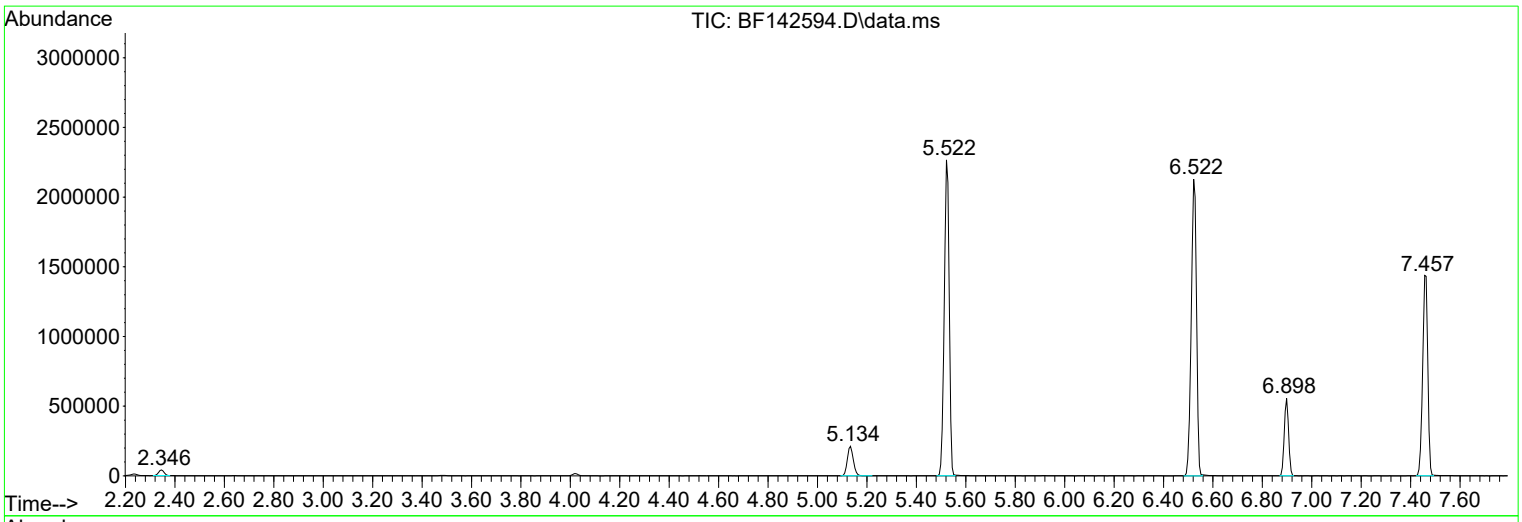
Sample Results: **BF142594.D**

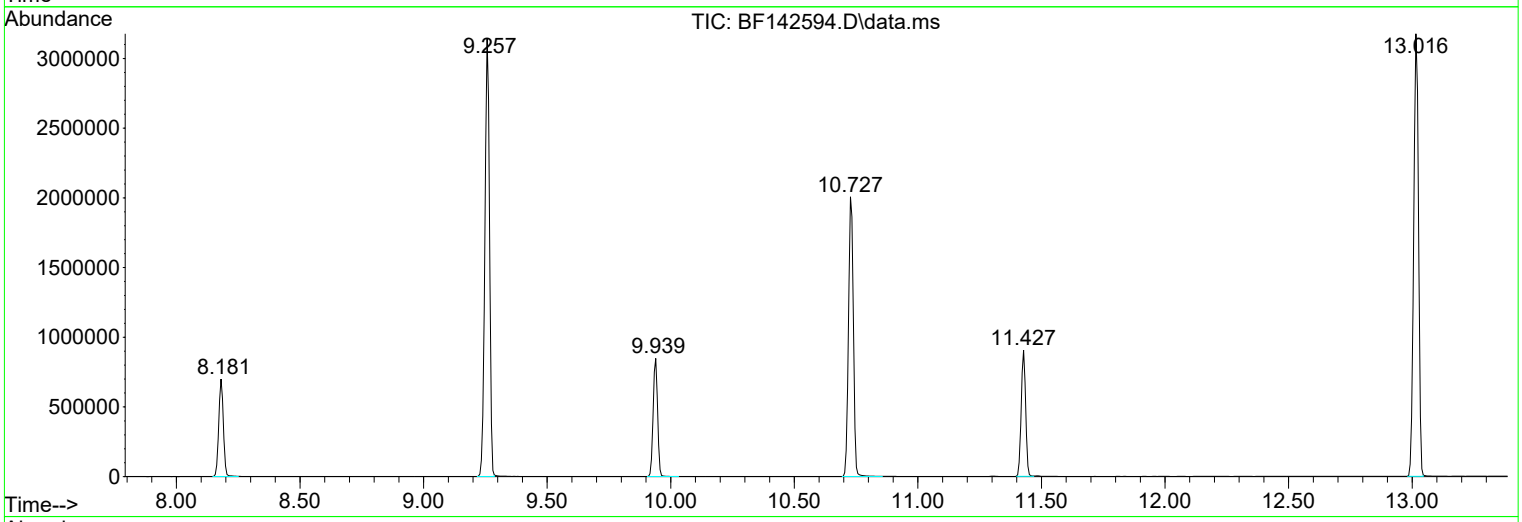
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

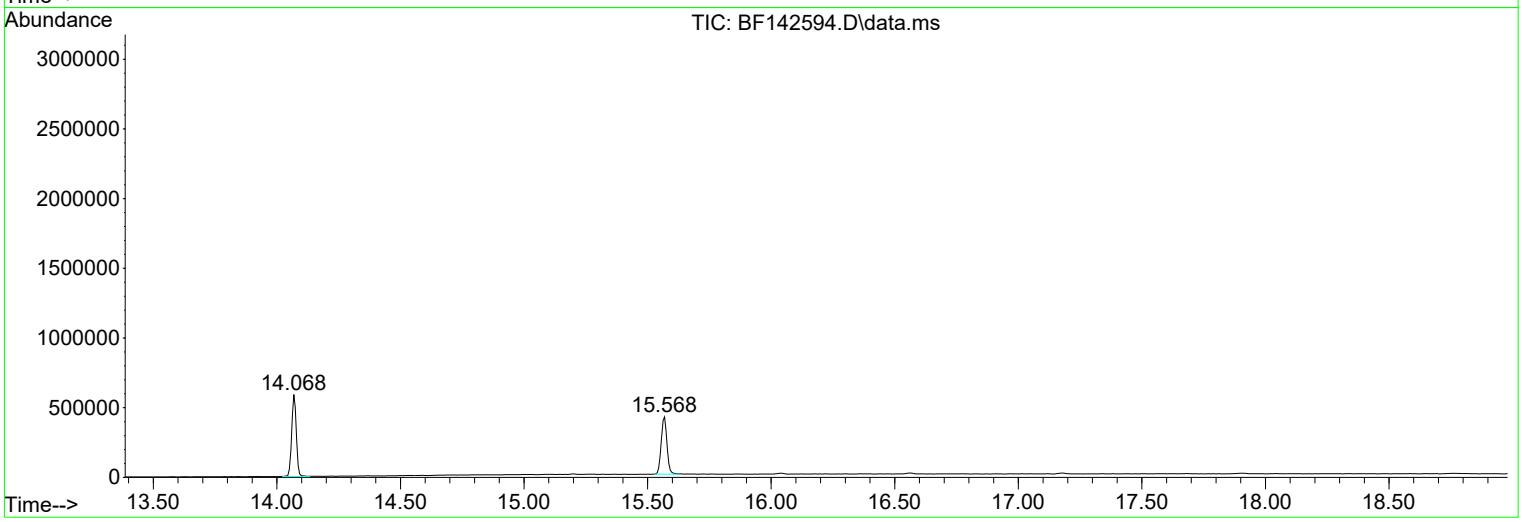
Instrument :
BNA_F
ClientSampleId :
PB168235BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

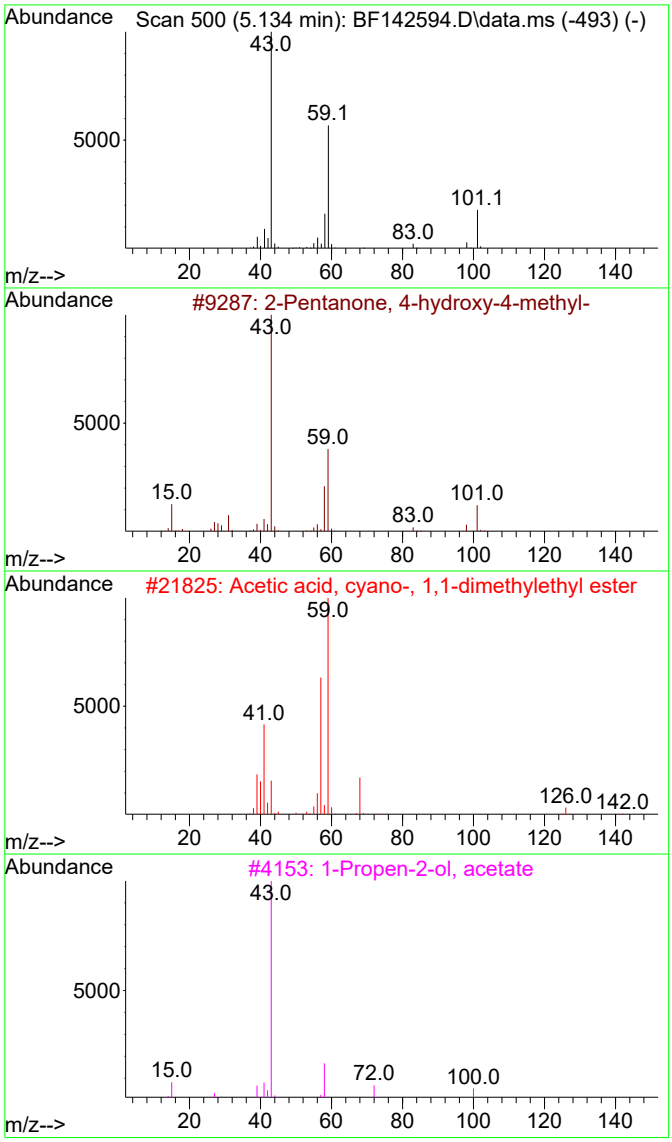
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

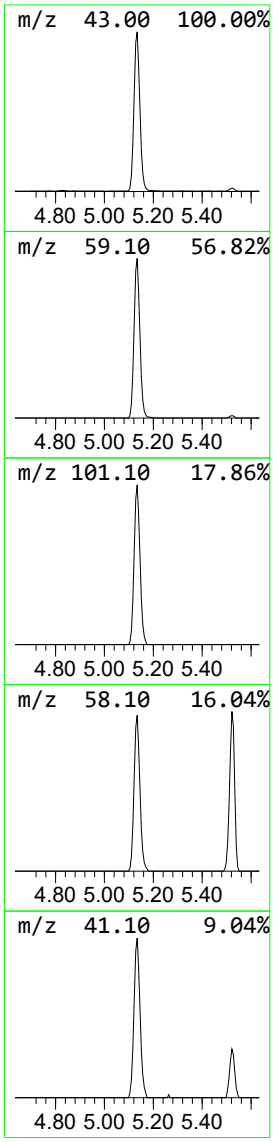
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	10.49 ng	353874	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.134	10.5	ng	353874	1	6.898	674922	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142595.D
Acq On : 02 Jun 2025 13:54
Operator : RC/JU
Sample : PB168235BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 14:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	124139	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	485746	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	271698	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	469529	20.000	ng	0.00
76) Chrysene-d12	14.074	240	249290	20.000	ng	0.00
86) Perylene-d12	15.568	264	263582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	906620	123.042	ng	0.01
7) Phenol-d6	6.528	99	1104479	124.522	ng	0.00
23) Nitrobenzene-d5	7.463	82	678991	76.222	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	383400	127.143	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1457346	71.975	ng	0.00
79) Terphenyl-d14	13.016	244	1440878	78.985	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	106175	36.010	ng	100
3) Pyridine	3.522	79	299076	39.832	ng	98
4) n-Nitrosodimethylamine	3.475	42	163603	41.965	ng	91
6) Aniline	6.563	93	391173	32.799	ng	100
8) 2-Chlorophenol	6.687	128	353147	44.002	ng	99
9) Benzaldehyde	6.451	77	183138	34.329	ng	99
10) Phenol	6.545	94	423745	42.458	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	312003	43.429	ng	100
12) 1,3-Dichlorobenzene	6.839	146	374882	41.860	ng	99
13) 1,4-Dichlorobenzene	6.916	146	378417	41.948	ng	99
14) 1,2-Dichlorobenzene	7.069	146	362456	41.990	ng	100
15) Benzyl Alcohol	7.039	79	283806	43.298	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	513926	42.597	ng	99
17) 2-Methylphenol	7.151	107	276621	44.146	ng	99
18) Hexachloroethane	7.410	117	131101	41.620	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	227191	41.329	ng	99
20) 3+4-Methylphenols	7.304	107	343279	42.780	ng	99
22) Acetophenone	7.310	105	448031	41.666	ng	99
24) Nitrobenzene	7.481	77	344719	42.906	ng	99
25) Isophorone	7.722	82	628729	42.214	ng	98
26) 2-Nitrophenol	7.798	139	193780	45.139	ng	96
27) 2,4-Dimethylphenol	7.833	122	334818	44.225	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	399276	42.916	ng	100
29) 2,4-Dichlorophenol	8.039	162	305895	44.429	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	318291	42.597	ng	98
31) Naphthalene	8.204	128	1014451	42.414	ng	100
32) Benzoic acid	7.957	122	218542	47.422	ng	96
33) 4-Chloroaniline	8.251	127	176677	18.230	ng	98
34) Hexachlorobutadiene	8.322	225	190668	40.867	ng	99
35) Caprolactam	8.622	113	99971m	51.700	ng	
36) 4-Chloro-3-methylphenol	8.733	107	318462	45.134	ng	98
37) 2-Methylnaphthalene	8.898	142	638084	42.405	ng	99
38) 1-Methylnaphthalene	8.998	142	654458	42.048	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	323517	41.480	ng	99
41) Hexachlorocyclopentadiene	9.051	237	424440	80.672	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	227625	43.281	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142595.D
Acq On : 02 Jun 2025 13:54
Operator : RC/JU
Sample : PB168235BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 14:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	246489	44.440	ng	98
46) 1,1'-Biphenyl	9.363	154	890515	42.247	ng	100
47) 2-Chloronaphthalene	9.386	162	653163	41.940	ng	99
48) 2-Nitroaniline	9.480	65	203179	45.136	ng	99
49) Acenaphthylene	9.804	152	1114044	42.363	ng	100
50) Dimethylphthalate	9.663	163	792383	44.199	ng	100
51) 2,6-Dinitrotoluene	9.727	165	176658	45.656	ng	95
52) Acenaphthene	9.975	154	743945	46.329	ng	99
53) 3-Nitroaniline	9.892	138	114327	27.052	ng	99
54) 2,4-Dinitrophenol	10.004	184	197620	98.857	ng	91
55) Dibenzofuran	10.151	168	979008	42.367	ng	98
56) 4-Nitrophenol	10.057	139	298469	95.715	ng	97
57) 2,4-Dinitrotoluene	10.133	165	239779	47.451	ng	99
58) Fluorene	10.492	166	767546	42.995	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	204888	44.249	ng	99
60) Diethylphthalate	10.363	149	787046	44.951	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	373395	42.578	ng	99
62) 4-Nitroaniline	10.510	138	185820	48.480	ng	97
63) Azobenzene	10.645	77	687495	43.717	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	127291	48.578	ng	99
66) n-Nitrosodiphenylamine	10.604	169	682308	42.475	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	236773	42.648	ng	99
68) Hexachlorobenzene	11.039	284	267154	43.507	ng	99
69) Atrazine	11.127	200	210470	49.336	ng	99
70) Pentachlorophenol	11.233	266	303289	87.484	ng	99
71) Phenanthrene	11.457	178	1081466	43.099	ng	100
72) Anthracene	11.510	178	1107034	43.228	ng	99
73) Carbazole	11.663	167	982811	44.892	ng	99
74) Di-n-butylphthalate	11.986	149	1127520	47.051	ng	99
75) Fluoranthene	12.645	202	1069949	45.634	ng	98
77) Benzidine	12.763	184	363104	39.141	ng	100
78) Pyrene	12.874	202	1051541	45.218	ng	99
80) Butylbenzylphthalate	13.486	149	333843	51.953	ng	99
81) Benzo(a)anthracene	14.063	228	730755	43.899	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	134486	26.636	ng	98
83) Chrysene	14.104	228	684085	45.734	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	408925	49.711	ng	99
85) Di-n-octyl phthalate	14.662	149	704542	43.803	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	843246	42.614	ng	98
88) Benzo(b)fluoranthene	15.127	252	731225	46.873	ng	99
89) Benzo(k)fluoranthene	15.157	252	615237	42.107	ng	98
90) Benzo(a)pyrene	15.509	252	661758	45.004	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	691116	43.063	ng	99
92) Benzo(g,h,i)perylene	17.551	276	683261	42.564	ng	98

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

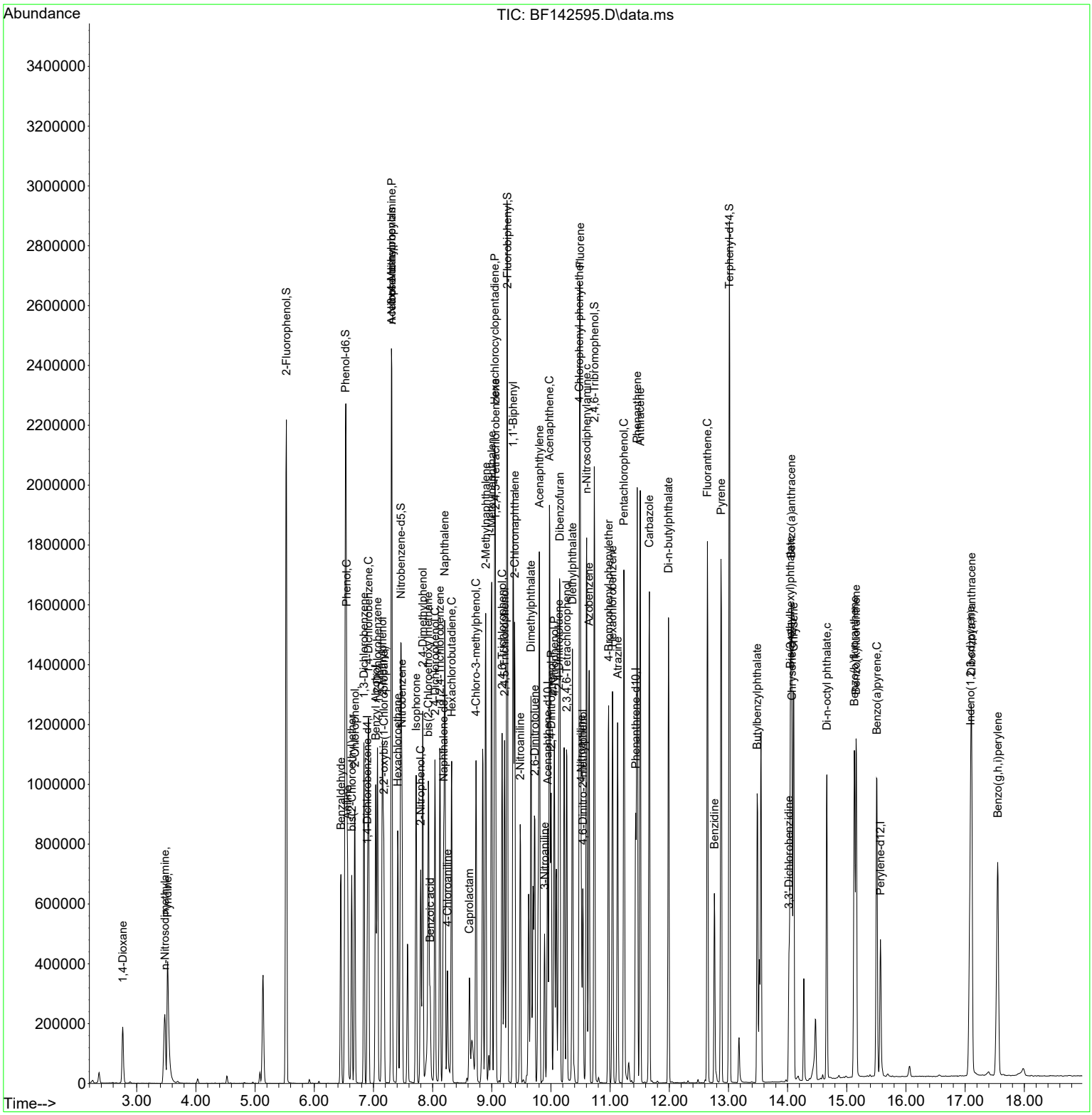
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142595.D
Acq On : 02 Jun 2025 13:54
Operator : RC/JU
Sample : PB168235BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 14:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142596.D
Acq On : 02 Jun 2025 14:23
Operator : RC/JU
Sample : PB168235BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 14:46:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	121815	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	480019	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	267337	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	467735	20.000	ng	0.00
76) Chrysene-d12	14.074	240	244296	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	271289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	859387	118.857	ng	0.01
7) Phenol-d6	6.528	99	1054388	121.142	ng	0.00
23) Nitrobenzene-d5	7.463	82	643375	73.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	362774	122.265	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1387378	69.638	ng	-0.01
79) Terphenyl-d14	13.016	244	1353021	75.685	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	99567	34.413	ng	100
3) Pyridine	3.516	79	281828	38.251	ng	98
4) n-Nitrosodimethylamine	3.469	42	153136	40.029	ng	89
6) Aniline	6.563	93	374034	31.961	ng	100
8) 2-Chlorophenol	6.687	128	335779	42.636	ng	100
9) Benzaldehyde	6.451	77	175660	33.555	ng	100
10) Phenol	6.545	94	406297	41.486	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	295502	41.917	ng	99
12) 1,3-Dichlorobenzene	6.839	146	353667	40.245	ng	99
13) 1,4-Dichlorobenzene	6.916	146	361425	40.829	ng	98
14) 1,2-Dichlorobenzene	7.069	146	346239	40.877	ng	99
15) Benzyl Alcohol	7.039	79	270724	42.090	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	489983	41.387	ng	97
17) 2-Methylphenol	7.151	107	263017	42.776	ng	99
18) Hexachloroethane	7.410	117	124536	40.290	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	219266	40.649	ng	98
20) 3+4-Methylphenols	7.304	107	328466	41.715	ng	99
22) Acetophenone	7.310	105	430279	40.493	ng	99
24) Nitrobenzene	7.481	77	322571	40.628	ng	100
25) Isophorone	7.722	82	602379	40.928	ng	99
26) 2-Nitrophenol	7.798	139	183337	43.216	ng	96
27) 2,4-Dimethylphenol	7.834	122	319594	42.718	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	381998	41.548	ng	99
29) 2,4-Dichlorophenol	8.039	162	293761	43.176	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	302860	41.016	ng	98
31) Naphthalene	8.204	128	969182	41.005	ng	100
32) Benzoic acid	7.957	122	214093	47.010	ng	96
33) 4-Chloroaniline	8.251	127	173118	18.076	ng	98
34) Hexachlorobutadiene	8.322	225	185656	40.268	ng	99
35) Caprolactam	8.622	113	94251m	49.323	ng	
36) 4-Chloro-3-methylphenol	8.733	107	301488	43.238	ng	97
37) 2-Methylnaphthalene	8.898	142	603600	40.592	ng	99
38) 1-Methylnaphthalene	8.998	142	625578	40.672	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	307355	40.051	ng	99
41) Hexachlorocyclopentadiene	9.051	237	402562	77.762	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	216571	41.851	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142596.D
Acq On : 02 Jun 2025 14:23
Operator : RC/JU
Sample : PB168235BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 14:46:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	231921	42.495	ng	99
46) 1,1'-Biphenyl	9.363	154	840854	40.542	ng	99
47) 2-Chloronaphthalene	9.386	162	623705	40.702	ng	99
48) 2-Nitroaniline	9.480	65	192120	43.375	ng	98
49) Acenaphthylene	9.804	152	1063876	41.115	ng	100
50) Dimethylphthalate	9.663	163	758859	43.020	ng	100
51) 2,6-Dinitrotoluene	9.728	165	168232	44.188	ng	95
52) Acenaphthene	9.975	154	714616	45.228	ng	99
53) 3-Nitroaniline	9.892	138	108414	26.071	ng	98
54) 2,4-Dinitrophenol	10.004	184	195823	99.556	ng	92
55) Dibenzofuran	10.151	168	935965	41.165	ng	98
56) 4-Nitrophenol	10.057	139	275219	89.699	ng	97
57) 2,4-Dinitrotoluene	10.128	165	229516	46.161	ng	99
58) Fluorene	10.492	166	728508	41.474	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	197146	43.271	ng	99
60) Diethylphthalate	10.363	149	742673	43.109	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	358107	41.501	ng	98
62) 4-Nitroaniline	10.510	138	173033	45.880	ng	97
63) Azobenzene	10.639	77	654721	42.312	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	124652	47.754	ng	98
66) n-Nitrosodiphenylamine	10.604	169	657300	41.076	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	226677	40.986	ng	97
68) Hexachlorobenzene	11.039	284	254337	41.579	ng	100
69) Atrazine	11.127	200	197333	46.434	ng	100
70) Pentachlorophenol	11.233	266	286493	82.956	ng	99
71) Phenanthrene	11.457	178	1030386	41.221	ng	100
72) Anthracene	11.510	178	1047674	41.067	ng	99
73) Carbazole	11.663	167	915413	41.974	ng	99
74) Di-n-butylphthalate	11.986	149	1054540	44.174	ng	100
75) Fluoranthene	12.645	202	993361	42.530	ng	98
77) Benzidine	12.763	184	337902	37.169	ng	99
78) Pyrene	12.874	202	974927	42.780	ng	100
80) Butylbenzylphthalate	13.486	149	310361	49.286	ng	99
81) Benzo(a)anthracene	14.063	228	692921	42.477	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	129835	26.241	ng	98
83) Chrysene	14.104	228	640831	43.718	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	396090	49.135	ng	99
85) Di-n-octyl phthalate	14.663	149	689795	43.763	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	828706	40.689	ng	98
88) Benzo(b)fluoranthene	15.127	252	704885	43.901	ng	98
89) Benzo(k)fluoranthene	15.157	252	599933	39.893	ng	97
90) Benzo(a)pyrene	15.504	252	651737	43.063	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	679455	41.133	ng	99
92) Benzo(g,h,i)perylene	17.551	276	670764	40.598	ng	98

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

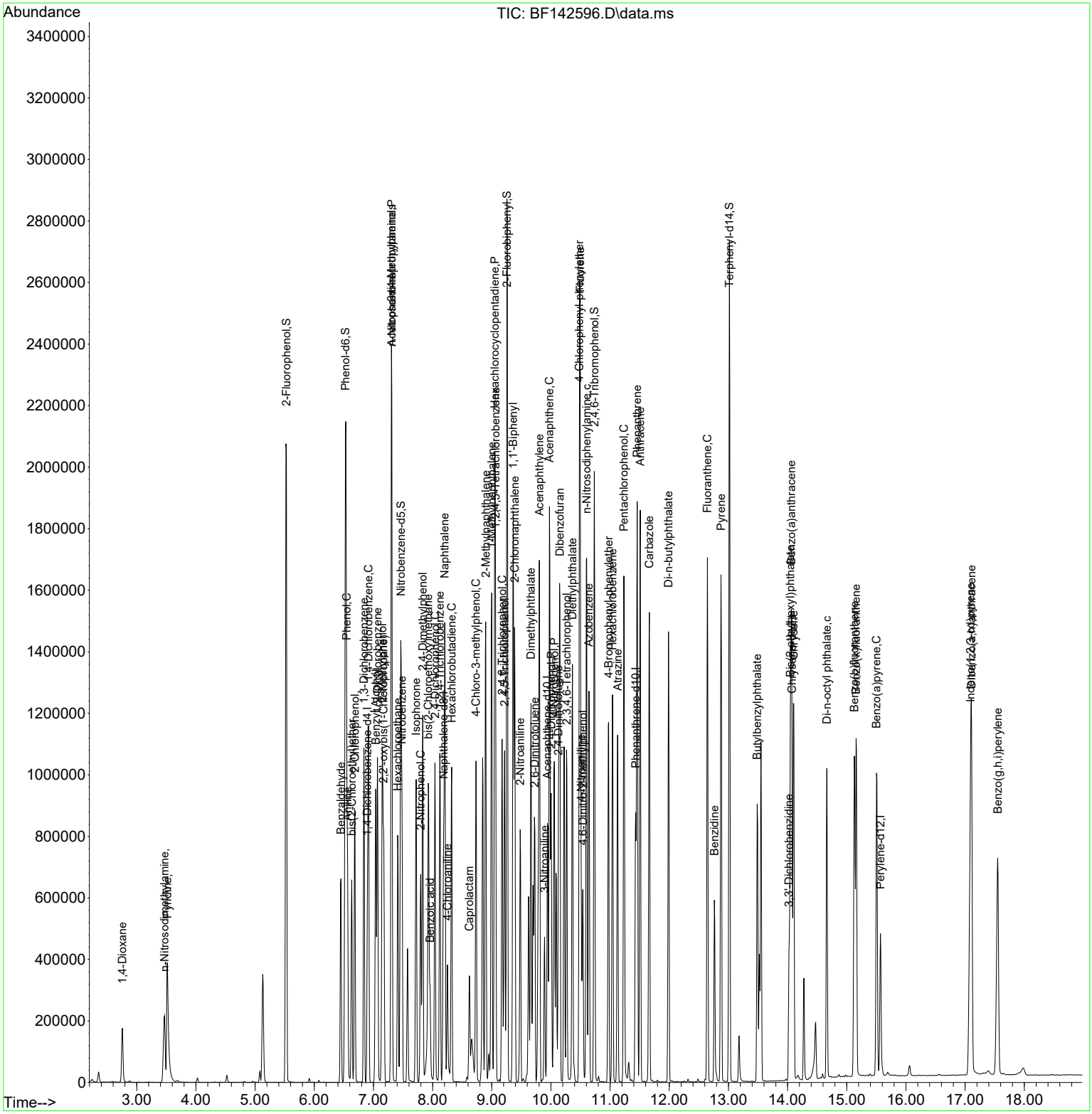
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142596.D
Acq On : 02 Jun 2025 14:23
Operator : RC/JU
Sample : PB168235BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 14:46:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025



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

Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF060225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168235BS	BF142595.D	Caprolactam	Rahul	6/3/2025 1:29:38 PM	Jagrut	6/3/2025 5:25:03 PM	Peak Integrated by Software
PB168235BSD	BF142596.D	Caprolactam	Rahul	6/3/2025 1:29:40 PM	Jagrut	6/3/2025 5:25:06 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM				
Supervise By	Jagrut	Supervise On	6/3/2025 5:25:27 PM				
SubDirectory	BF060225	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142589.D	02 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142590.D	02 Jun 2025 11:30	RC/JU	Ok
3	PB168219BL	BF142591.D	02 Jun 2025 11:59	RC/JU	Ok
4	PB168219BS	BF142592.D	02 Jun 2025 12:28	RC/JU	Ok,M
5	PB168190TB	BF142593.D	02 Jun 2025 12:57	RC/JU	Ok
6	PB168235BL	BF142594.D	02 Jun 2025 13:26	RC/JU	Ok
7	PB168235BS	BF142595.D	02 Jun 2025 13:54	RC/JU	Ok,M
8	PB168235BSD	BF142596.D	02 Jun 2025 14:23	RC/JU	Ok,M
9	Q2134-01	BF142597.D	02 Jun 2025 15:05	RC/JU	Ok
10	Q2150-01DL	BF142598.D	02 Jun 2025 15:34	RC/JU	Ok,M
11	Q2149-01	BF142599.D	02 Jun 2025 16:03	RC/JU	Dilution
12	Q2149-01DL	BF142600.D	02 Jun 2025 17:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM		
Supervise By	Jagrut	Supervise On	6/3/2025 5:25:27 PM		
SubDirectory	BF060225	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142589.D	02 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142590.D	02 Jun 2025 11:30		RC/JU	Ok
3	PB168219BL	PB168219BL	BF142591.D	02 Jun 2025 11:59		RC/JU	Ok
4	PB168219BS	PB168219BS	BF142592.D	02 Jun 2025 12:28		RC/JU	Ok,M
5	PB168190TB	PB168190TB	BF142593.D	02 Jun 2025 12:57		RC/JU	Ok
6	PB168235BL	PB168235BL	BF142594.D	02 Jun 2025 13:26		RC/JU	Ok
7	PB168235BS	PB168235BS	BF142595.D	02 Jun 2025 13:54		RC/JU	Ok,M
8	PB168235BSD	PB168235BSD	BF142596.D	02 Jun 2025 14:23		RC/JU	Ok,M
9	Q2134-01	MW10	BF142597.D	02 Jun 2025 15:05		RC/JU	Ok
10	Q2150-01DL	TP-44DL	BF142598.D	02 Jun 2025 15:34		RC/JU	Ok,M
11	Q2149-01	FILTER-CAKE	BF142599.D	02 Jun 2025 16:03	Need 5X Dilution	RC/JU	Dilution
12	Q2149-01DL	FILTER-CAKEDL	BF142600.D	02 Jun 2025 17:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168235

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/30/2025
Matrix :	Water			**Extraction Start Time :**	09:21
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	05/30/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	14:20
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2614
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (ECL-Lab)	R/SVOC
14:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168235

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168235BL	SBLK235	SVOCMS Group2	1000	6	RUPESH	ritesh	1			SEP-1
PB168235BS	SLCS235	SVOCMS Group2	1000	6	RUPESH	ritesh	1			2
PB168235BSD	SLCSD235	SVOCMS Group2	1000	6	RUPESH	ritesh	1			3
Q2134-01	MW10	SVOCMS Group2	980	6	RUPESH	ritesh	1	D		4

RS
5/30

* **Extracts relinquished on the same date as received.**

168233
9:21

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2134 **WorkList ID :** 189863 **Department :** Extraction **Date :** 05-30-2025 09:14:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2134-01	MW10	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L31	05/27/2025	8270E

Date/Time 5/30/25 9:15
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 5/30/25 9:45
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RS (Ext lab)

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LAB CHRONICLE

OrderID:	Q2134	**OrderDate:**	5/28/2025 11:45:10 AM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2134-01	**MW10**	**Water**			**05/27/25**			**05/28/25**
			SVOCMS Group2	8270E		05/30/25	06/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2134 **Order ID:** Q2134

Client: G Environmental **Project ID:** DPW

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW10								
Q2134-01	MW10	Water	Iron	87700		11.7	50.0	ug/L
Q2134-01	MW10	Water	Manganese	22200		2.97	10.0	ug/L
Q2134-01	MW10	Water	Sodium	590000		434	1000	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	87700		1	11.7	50.0	ug/L	05/29/25 10:15	06/03/25 16:24	6010D	SW3010
7439-96-5	Manganese	22200	N	1	2.97	10.0	ug/L	05/29/25 10:15	06/03/25 16:24	6010D	SW3010
7440-23-5	Sodium	590000	*	1	434	1000	ug/L	05/29/25 10:15	06/03/25 16:24	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:		Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	06/02/2025	13:03	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	13:03	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	13:03	LB135981

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	06/02/2025	14:28	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	14:28	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	14:28	LB135981
CCB02	Iron	100	+/-100	U	100	P	06/02/2025	15:16	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	15:16	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	15:16	LB135981
CCB03	Iron	100	+/-100	U	100	P	06/02/2025	16:02	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	16:02	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	16:02	LB135981
CCB04	Iron	100	+/-100	U	100	P	06/02/2025	16:55	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	16:55	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	16:55	LB135981
CCB05	Iron	100	+/-100	U	100	P	06/02/2025	17:42	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	17:42	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	17:42	LB135981
CCB06	Iron	100	+/-100	U	100	P	06/02/2025	18:28	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	18:28	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	18:28	LB135981
CCB07	Iron	100	+/-100	U	100	P	06/02/2025	19:15	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	19:15	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	19:15	LB135981
CCB08	Iron	100	+/-100	U	100	P	06/02/2025	20:01	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	20:01	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	20:01	LB135981
CCB09	Iron	100	+/-100	U	100	P	06/02/2025	20:49	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	20:49	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	20:49	LB135981
CCB10	Iron	100	+/-100	U	100	P	06/02/2025	21:11	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	21:11	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	21:11	LB135981

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	06/03/2025	14:16	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	14:16	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	14:16	LB135993

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	06/03/2025	15:34	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	15:34	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	15:34	LB135993
CCB02	Iron	100	+/-100	U	100	P	06/03/2025	16:20	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	16:20	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	16:20	LB135993
CCB03	Iron	100	+/-100	U	100	P	06/03/2025	17:10	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	17:10	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	17:10	LB135993
CCB04	Iron	100	+/-100	U	100	P	06/03/2025	19:01	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	19:01	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	19:01	LB135993
CCB05	Iron	100	+/-100	U	100	P	06/03/2025	19:39	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	19:39	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	19:39	LB135993

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168200BL		**WATER**		**Batch Number:**	**PB168200**		**Prep Date:**	**05/29/2025**	
	Iron	50.0	<50.0	U	50.0	P	06/02/2025	17:29	LB135981
	Manganese	10.0	<10.0	U	10.0	P	06/02/2025	17:29	LB135981
	Sodium	1000	<1000	U	1000	P	06/02/2025	17:29	LB135981

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10100	10000	100	90 - 110	P	06/02/2025	12:37	LB135981
	Manganese	516	520	99	90 - 110	P	06/02/2025	12:37	LB135981
	Sodium	9470	10000	95	90 - 110	P	06/02/2025	12:37	LB135981

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	102	100	102	80 - 120	P	06/02/2025	12:59	LB135981
	Manganese	20.4	20.0	102	80 - 120	P	06/02/2025	12:59	LB135981
	Sodium	1720	2000	86	80 - 120	P	06/02/2025	12:59	LB135981

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5070	5000	101	90 - 110	P	06/02/2025	14:14	LB135981
	Manganese	2460	2500	98	90 - 110	P	06/02/2025	14:14	LB135981
	Sodium	25500	25000	102	90 - 110	P	06/02/2025	14:14	LB135981
CCV02	Iron	4790	5000	96	90 - 110	P	06/02/2025	15:11	LB135981
	Manganese	2470	2500	99	90 - 110	P	06/02/2025	15:11	LB135981
	Sodium	23600	25000	94	90 - 110	P	06/02/2025	15:11	LB135981
CCV03	Iron	4860	5000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Manganese	2390	2500	96	90 - 110	P	06/02/2025	15:58	LB135981
	Sodium	24600	25000	98	90 - 110	P	06/02/2025	15:58	LB135981
CCV04	Iron	4730	5000	95	90 - 110	P	06/02/2025	16:49	LB135981
	Manganese	2390	2500	96	90 - 110	P	06/02/2025	16:49	LB135981
	Sodium	22900	25000	92	90 - 110	P	06/02/2025	16:49	LB135981
CCV05	Iron	4810	5000	96	90 - 110	P	06/02/2025	17:38	LB135981
	Manganese	2330	2500	93	90 - 110	P	06/02/2025	17:38	LB135981
	Sodium	23600	25000	94	90 - 110	P	06/02/2025	17:38	LB135981
CCV06	Iron	5170	5000	103	90 - 110	P	06/02/2025	18:24	LB135981
	Manganese	2370	2500	95	90 - 110	P	06/02/2025	18:24	LB135981
	Sodium	25500	25000	102	90 - 110	P	06/02/2025	18:24	LB135981
CCV07	Iron	4830	5000	97	90 - 110	P	06/02/2025	19:11	LB135981
	Manganese	2380	2500	95	90 - 110	P	06/02/2025	19:11	LB135981
	Sodium	23700	25000	95	90 - 110	P	06/02/2025	19:11	LB135981
CCV08	Iron	4930	5000	99	90 - 110	P	06/02/2025	19:57	LB135981
	Manganese	2400	2500	96	90 - 110	P	06/02/2025	19:57	LB135981
	Sodium	24100	25000	96	90 - 110	P	06/02/2025	19:57	LB135981
CCV09	Iron	4890	5000	98	90 - 110	P	06/02/2025	20:45	LB135981
	Manganese	2410	2500	96	90 - 110	P	06/02/2025	20:45	LB135981
	Sodium	24000	25000	96	90 - 110	P	06/02/2025	20:45	LB135981
CCV10	Iron	23.4	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Manganese	5.94	2500	0	90 - 110	P	06/02/2025	21:06	LB135981
	Sodium	868	25000	0	90 - 110	P	06/02/2025	21:06	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	9500	10000	95	90 - 110	P	06/03/2025	13:57	LB135993
	Manganese	504	520	97	90 - 110	P	06/03/2025	13:57	LB135993
	Sodium	9300	10000	93	90 - 110	P	06/03/2025	13:57	LB135993

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	112	100	112	80 - 120	P	06/03/2025	14:11	LB135993
	Manganese	18.7	20.0	93	80 - 120	P	06/03/2025	14:11	LB135993
	Sodium	1750	2000	87	80 - 120	P	06/03/2025	14:11	LB135993

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5010	5000	100	90 - 110	P	06/03/2025	15:28	LB135993
	Manganese	2370	2500	95	90 - 110	P	06/03/2025	15:28	LB135993
	Sodium	24500	25000	98	90 - 110	P	06/03/2025	15:28	LB135993
CCV02	Iron	4680	5000	94	90 - 110	P	06/03/2025	16:16	LB135993
	Manganese	2310	2500	92	90 - 110	P	06/03/2025	16:16	LB135993
	Sodium	22600	25000	90	90 - 110	P	06/03/2025	16:16	LB135993
CCV03	Iron	4830	5000	96	90 - 110	P	06/03/2025	17:06	LB135993
	Manganese	2300	2500	92	90 - 110	P	06/03/2025	17:06	LB135993
	Sodium	23400	25000	94	90 - 110	P	06/03/2025	17:06	LB135993
CCV04	Iron	5080	5000	102	90 - 110	P	06/03/2025	18:57	LB135993
	Manganese	2310	2500	92	90 - 110	P	06/03/2025	18:57	LB135993
	Sodium	24700	25000	99	90 - 110	P	06/03/2025	18:57	LB135993
CCV05	Iron	4800	5000	96	90 - 110	P	06/03/2025	19:35	LB135993
	Manganese	2290	2500	92	90 - 110	P	06/03/2025	19:35	LB135993
	Sodium	23300	25000	93	90 - 110	P	06/03/2025	19:35	LB135993

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	106	100	106	65 - 135	P	06/02/2025	13:08	LB135981
	Manganese	20.1	20.0	101	65 - 135	P	06/02/2025	13:08	LB135981
	Sodium	1690	2000	85	65 - 135	P	06/02/2025	13:08	LB135981
CRI01	Iron	119	100	119	65 - 135	P	06/03/2025	14:36	LB135993
	Manganese	19.4	20.0	97	65 - 135	P	06/03/2025	14:36	LB135993
	Sodium	1810	2000	90	65 - 135	P	06/03/2025	14:36	LB135993

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	95800	101000	95	85600	116500	06/02/2025	13:12	LB135981
	Manganese	0.90	7.0	13	-13	27	06/02/2025	13:12	LB135981
	Sodium	24.0			0	0	06/02/2025	13:12	LB135981
ICSAB01	Iron	104000	99300	105	84400	114500	06/02/2025	13:35	LB135981
	Manganese	483	507	95	430	584	06/02/2025	13:35	LB135981
	Sodium	-31.0			0	0	06/02/2025	13:35	LB135981
ICSA01	Iron	99500	101000	98	85600	116500	06/03/2025	14:46	LB135993
	Manganese	2.69	7.0	38	-13	27	06/03/2025	14:46	LB135993
	Sodium	-11.2			0	0	06/03/2025	14:46	LB135993
ICSAB01	Iron	101000	99300	102	84400	114500	06/03/2025	15:06	LB135993
	Manganese	466	507	92	430	584	06/03/2025	15:06	LB135993
	Sodium	-54.6			0	0	06/03/2025	15:06	LB135993

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2134

contract: GENV01 **lab code:** CHEM **case no.:** Q2134 **sas no.:** Q2134

matrix: Water **sample id:** Q2133-03 **client id:** SUPPLYMS

Percent Solids for Sample: NA **Spiked ID:** Q2133-03MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	1200		51.1		1500	77		P
Manganese	ug/L	75 - 125	81.3		13.7		100	68	N	P
Sodium	ug/L	75 - 125	46700		57500		1500	-722		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2134

contract: GENV01 **lab code:** CHEM **case no.:** Q2134 **sas no.:** Q2134

matrix: Water **sample id:** Q2133-03 **client id:** SUPPLYMSD

Percent Solids for Sample: NA **Spiked ID:** Q2133-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	1430		51.1		1500	92		P
Manganese	ug/L	75 - 125	88.4		13.7		100	75		P
Sodium	ug/L	75 - 125	57400		57500		1500	-5		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Matrix: Water **Level:** LOW **Client ID:** SUPPLYA

Sample ID: Q2133-03 **Spiked ID:** Q2133-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	ug/L	75 - 125	106		13.7		100	92		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Matrix: Water **Sample ID:** Q2133-03 **Client ID:** SUPPLYDUP

Percent Solids for Sample: NA **Duplicate ID** Q2133-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	51.1		41.3	J	21		P
Manganese	ug/L	20	13.7		8.19	J	50		P
Sodium	ug/L	20	57500		53500		7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Matrix: Water **Sample ID:** Q2133-03MS **Client ID:** SUPPLYMSD

Percent Solids for Sample: NA **Duplicate ID** Q2133-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1200		1430		17		P
Manganese	ug/L	20	81.3		88.4		8		P
Sodium	ug/L	20	46700		57400		21	*	P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168200BS							
Iron	ug/L	1500	1450		97	80 - 120	P
Manganese	ug/L	100	96.5		96	80 - 120	P
Sodium	ug/L	1500	1350		90	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SUPPLYL

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135993 **Lab Sample ID :** Q2133-03L **SDG No.:** Q2134

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	51.1		74.1	J	45		P
Manganese	13.7		19.6	J	43		P
Sodium	57500		52700		8		P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q2134 **Sas no.:** Q2134 **Sdg no.:** Q2134

Instrument id number: **Method:** **Run number:** LB135981

Start date: 06/02/2025 **End date:** 06/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1212	Fe,Mn,Na
S1	S1	1	1216	Fe,Mn,Na
S2	S2	1	1221	Fe,Mn,Na
S3	S3	1	1225	Fe,Mn,Na
S4	S4	1	1229	Fe,Mn,Na
S5	S5	1	1233	Fe,Mn,Na
ICV01	ICV01	1	1237	Fe,Mn,Na
LLICV01	LLICV01	1	1259	Fe,Mn,Na
ICB01	ICB01	1	1303	Fe,Mn,Na
CRI01	CRI01	1	1308	Fe,Mn,Na
ICSA01	ICSA01	1	1312	Fe,Mn,Na
ICSAB01	ICSAB01	1	1335	Fe,Mn,Na
CCV01	CCV01	1	1414	Fe,Mn,Na
CCB01	CCB01	1	1428	Fe,Mn,Na
CCV02	CCV02	1	1511	Fe,Mn,Na
CCB02	CCB02	1	1516	Fe,Mn,Na
CCV03	CCV03	1	1558	Fe,Mn,Na
CCB03	CCB03	1	1602	Fe,Mn,Na
CCV04	CCV04	1	1649	Fe,Mn,Na
CCB04	CCB04	1	1655	Fe,Mn,Na
PB168200BL	PB168200BL	1	1729	Fe,Mn,Na
PB168200BS	PB168200BS	1	1734	Fe,Mn,Na
CCV05	CCV05	1	1738	Fe,Mn,Na
CCB05	CCB05	1	1742	Fe,Mn,Na
CCV06	CCV06	1	1824	Fe,Mn,Na
CCB06	CCB06	1	1828	Fe,Mn,Na
CCV07	CCV07	1	1911	Fe,Mn,Na
CCB07	CCB07	1	1915	Fe,Mn,Na
CCV08	CCV08	1	1957	Fe,Mn,Na
CCB08	CCB08	1	2001	Fe,Mn,Na
CCV09	CCV09	1	2045	Fe,Mn,Na
CCB09	CCB09	1	2049	Fe,Mn,Na
CCV10	CCV10	1	2106	Fe,Mn,Na
CCB10	CCB10	1	2111	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q2134 **Sas no.:** Q2134 **Sdg no.:** Q2134

Instrument id number: **Method:** **Run number:** LB135993

Start date: 06/03/2025 **End date:** 06/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1259	Fe,Mn,Na
S1	S1	1	1303	Fe,Mn,Na
S2	S2	1	1307	Fe,Mn,Na
S3	S3	1	1312	Fe,Mn,Na
S4	S4	1	1316	Fe,Mn,Na
S5	S5	1	1320	Fe,Mn,Na
ICV01	ICV01	1	1357	Fe,Mn,Na
LLICV01	LLICV01	1	1411	Fe,Mn,Na
ICB01	ICB01	1	1416	Fe,Mn,Na
CRI01	CRI01	1	1436	Fe,Mn,Na
ICSA01	ICSA01	1	1446	Fe,Mn,Na
ICSAB01	ICSAB01	1	1506	Fe,Mn,Na
CCV01	CCV01	1	1528	Fe,Mn,Na
CCB01	CCB01	1	1534	Fe,Mn,Na
Q2133-03DUP	SUPPLYDUP	1	1551	Fe,Mn,Na
Q2133-03L	SUPPLYL	5	1555	Fe,Mn,Na
Q2133-03MS	SUPPLYMS	1	1559	Fe,Mn,Na
Q2133-03MSD	SUPPLYMSD	1	1603	Fe,Mn,Na
Q2133-03A	SUPPLYA	1	1607	Mn
CCV02	CCV02	1	1616	Fe,Mn,Na
CCB02	CCB02	1	1620	Fe,Mn,Na
Q2134-01	MW10	1	1624	Fe,Mn,Na
CCV03	CCV03	1	1706	Fe,Mn,Na
CCB03	CCB03	1	1710	Fe,Mn,Na
CCV04	CCV04	1	1857	Fe,Mn,Na
CCB04	CCB04	1	1901	Fe,Mn,Na
CCV05	CCV05	1	1935	Fe,Mn,Na
CCB05	CCB05	1	1939	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2134	**OrderDate:**	5/28/2025 11:45:10 AM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2134-01	**MW10**	**Water**			**05/27/25**			**05/28/25**
			Metals Group3	6010D		05/29/25	06/03/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q2134 **SAS No.:** Q2134

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168200**						
PB168200BL	PB168200BL	MB	WATER	05/29/2025	50.0	25.0	
PB168200BS	PB168200BS	LCS	WATER	05/29/2025	50.0	25.0	
Q2133-03DUP	SUPPLYDUP	DUP	WATER	05/29/2025	50.0	25.0	
Q2133-03MS	SUPPLYMS	MS	WATER	05/29/2025	50.0	25.0	
Q2133-03MSD	SUPPLYMSD	MSD	WATER	05/29/2025	50.0	25.0	
Q2134-01	MW10	SAM	WATER	05/29/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/02/25 12:12		Jaswal	OK
2	S1	S1	CAL2	06/02/25 12:16		Jaswal	OK
3	S2	S2	CAL3	06/02/25 12:21		Jaswal	OK
4	S3	S3	CAL4	06/02/25 12:25		Jaswal	OK
5	S4	S4	CAL5	06/02/25 12:29		Jaswal	OK
6	S5	S5	CAL6	06/02/25 12:33		Jaswal	OK
7	ICV01	ICV01	ICV	06/02/25 12:37		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/02/25 12:59		Jaswal	OK
9	ICB01	ICB01	ICB	06/02/25 13:03		Jaswal	OK
10	CRI01	CRI01	CRDL	06/02/25 13:08		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/02/25 13:12		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/02/25 13:35		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/02/25 13:45		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/02/25 13:56		Jaswal	OK
15	CCV01	CCV01	CCV	06/02/25 14:14		Jaswal	OK
16	CCB01	CCB01	CCB	06/02/25 14:28		Jaswal	OK
17	Q2136-05	OR-646-COMP-52	SAM	06/02/25 14:32		Jaswal	OK
18	Q2143-01	ELI-46-36-25-58-53	SAM	06/02/25 14:37		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q2143-02	ELI-57-43-35-26	SAM	06/02/25 14:41		Jaswal	OK
20	Q2146-04	TP04-MHN-WC	SAM	06/02/25 14:46		Jaswal	OK
21	Q2146-01	TP04-MHN-WC	SAM	06/02/25 14:50		Jaswal	OK
22	Q2146-01DUP	TP04-MHN-WCDUP	DUP	06/02/25 14:54		Jaswal	OK
23	Q2146-01L	TP04-MHN-WCL	SD	06/02/25 14:59		Jaswal	OK
24	Q2146-01MS	TP04-MHN-WCMS	MS	06/02/25 15:03		Jaswal	OK
25	Q2146-01MSD	TP04-MHN-WCMSD	MSD	06/02/25 15:07		Jaswal	OK
26	CCV02	CCV02	CCV	06/02/25 15:11		Jaswal	OK
27	CCB02	CCB02	CCB	06/02/25 15:16		Jaswal	OK
28	Q2146-01A	TP04-MHN-WCA	PS	06/02/25 15:20		Jaswal	OK
29	Q2102-05	LAW-25-0077	SAM	06/02/25 15:24		Jaswal	OK
30	Q2144-01	OILY-DEBRIS-COMP-	SAM	06/02/25 15:28		Jaswal	OK
31	Q2144-02	OILY-DEBRIS-COMP-	SAM	06/02/25 15:33		Jaswal	OK
32	Q2149-01	FILTER-CAKE	SAM	06/02/25 15:37		Jaswal	OK
33	Q2153-01	TR-04-0592025	SAM	06/02/25 15:42		Jaswal	OK
34	Q2152-01	OK-02-05292025	SAM	06/02/25 15:46		Jaswal	OK
35	Q2152-01DUP	OK-02-05292025DUP	DUP	06/02/25 15:50		Jaswal	OK
36	Q2152-01L	OK-02-05292025L	SD	06/02/25 15:54		Jaswal	OK
37	CCV03	CCV03	CCV	06/02/25 15:58		Jaswal	OK
38	CCB03	CCB03	CCB	06/02/25 16:02		Jaswal	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	Q2152-01MS	OK-02-05292025MS	MS	06/02/25 16:06		Jaswal	OK
40	Q2152-01MSD	OK-02-05292025MSD	MSD	06/02/25 16:10		Jaswal	OK
41	Q2152-01A	OK-02-05292025A	PS	06/02/25 16:14		Jaswal	OK
42	Q2151-01	WC-1	SAM	06/02/25 16:18		Jaswal	OK
43	Q2151-04	WC-1	SAM	06/02/25 16:22		Jaswal	OK
44	Q2151-04DUP	WC-1DUP	DUP	06/02/25 16:27		Jaswal	OK
45	Q2151-04L	WC-1L	SD	06/02/25 16:31		Jaswal	OK
46	Q2151-04MS	WC-1MS	MS	06/02/25 16:36		Jaswal	OK
47	Q2151-04MSD	WC-1MSD	MSD	06/02/25 16:40		Jaswal	OK
48	CCV04	CCV04	CCV	06/02/25 16:49		Jaswal	OK
49	CCB04	CCB04	CCB	06/02/25 16:55		Jaswal	OK
50	Q2151-04A	WC-1A	PS	06/02/25 17:00		Jaswal	OK
51	Q2137-03DL	MOO-25-0149DL	SAM	06/02/25 17:04	Straight 5x for all elements	Jaswal	OK
52	PB168190TB	PB168190TB	MB	06/02/25 17:08		Jaswal	OK
53	PB168214BL	PB168214BL	MB	06/02/25 17:13		Jaswal	OK
54	PB168214BS	PB168214BS	LCS	06/02/25 17:17		Jaswal	OK
55	PB168215BL	PB168215BL	MB	06/02/25 17:21		Jaswal	OK
56	PB168215BS	PB168215BS	LCS	06/02/25 17:25		Jaswal	OK
57	PB168200BL	PB168200BL	MB	06/02/25 17:29		Jaswal	OK
58	PB168200BS	PB168200BS	LCS	06/02/25 17:34		Jaswal	OK

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Instrument ID: P4

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Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

59	CCV05	CCV05	CCV	06/02/25 17:38		Jaswal	OK
60	CCB05	CCB05	CCB	06/02/25 17:42		Jaswal	OK
61	Q2150-01	TP-44	SAM	06/02/25 17:47		Jaswal	OK
62	Q2150-02	TP-42	SAM	06/02/25 17:51		Jaswal	OK
63	Q2150-03	TP-39	SAM	06/02/25 17:55		Jaswal	OK
64	Q2150-04	TP-48	SAM	06/02/25 17:59		Jaswal	OK
65	Q2150-05	TP-47	SAM	06/02/25 18:03		Jaswal	OK
66	Q2150-06	TP-50	SAM	06/02/25 18:07		Jaswal	OK
67	Q2150-07	TP-51	SAM	06/02/25 18:12		Jaswal	OK
68	Q2150-08	TP-52	SAM	06/02/25 18:16		Jaswal	OK
69	Q2150-09	TP-54	SAM	06/02/25 18:20		Jaswal	OK
70	CCV06	CCV06	CCV	06/02/25 18:24		Jaswal	OK
71	CCB06	CCB06	CCB	06/02/25 18:28		Jaswal	OK
72	Q2150-10	TP-53	SAM	06/02/25 18:33		Jaswal	OK
73	Q2133-01	MW1	SAM	06/02/25 18:37		Jaswal	OK
74	Q2133-02	MW5	SAM	06/02/25 18:41	NOT USE	Jaswal	Not Ok
75	Q2133-03	SUPPLY	SAM	06/02/25 18:45	NOT USE	Jaswal	Not Ok
76	Q2133-03DUP	SUPPLYDUP	DUP	06/02/25 18:50	NOT USE	Jaswal	Not Ok
77	Q2133-03L	SUPPLYL	SD	06/02/25 18:54	NOT USE	Jaswal	Not Ok
78	Q2133-03MS	SUPPLYMS	MS	06/02/25 18:59	NOT USE	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

79	Q2133-03MSD	SUPPLYMSD	MSD	06/02/25 19:03	NOT USE	Jaswal	Not Ok
80	Q2133-03A	SUPPLYA	PS	06/02/25 19:07	NOT USE	Jaswal	Not Ok
81	CCV07	CCV07	CCV	06/02/25 19:11		Jaswal	OK
82	CCB07	CCB07	CCB	06/02/25 19:15		Jaswal	OK
83	Q2134-01	MW10	SAM	06/02/25 19:19	NOT USE	Jaswal	Not Ok
84	Q2101-01	TP-1-MHE	SAM	06/02/25 19:24	NOT USE	Jaswal	Not Ok
85	Q2101-01DUP	TP-1-MHEDUP	DUP	06/02/25 19:28	NOT USE	Jaswal	Not Ok
86	Q2101-01L	TP-1-MHEL	SD	06/02/25 19:32	NOT USE	Jaswal	Not Ok
87	Q2101-01MS	TP-1-MHEMS	MS	06/02/25 19:36	NOT USE	Jaswal	Not Ok
88	Q2101-01MSD	TP-1-MHEMSD	MSD	06/02/25 19:40	NOT USE	Jaswal	Not Ok
89	Q2101-01A	TP-1-MHEA	PS	06/02/25 19:45	NOT USE	Jaswal	Not Ok
90	Q2159-01	TP05-MHO-WC	SAM	06/02/25 19:49	NOT USE	Jaswal	Not Ok
91	Q2160-01	TP04-MHG-WC	SAM	06/02/25 19:53		Jaswal	OK
92	CCV08	CCV08	CCV	06/02/25 19:57		Jaswal	OK
93	CCB08	CCB08	CCB	06/02/25 20:01		Jaswal	OK
94	Q2172-01	TP06-MHQ	SAM	06/02/25 20:06	NOT USE	Jaswal	Not Ok
95	Q2172-01DUP	TP06-MHQDUP	DUP	06/02/25 20:10	NOT USE	Jaswal	Not Ok
96	Q2172-01L	TP06-MHQL	SD	06/02/25 20:14	NOT USE	Jaswal	Not Ok
97	Q2172-01MS	TP06-MHQMS	MS	06/02/25 20:18	NOT USE	Jaswal	Not Ok
98	Q2172-01MSD	TP06-MHQMSD	MSD	06/02/25 20:23	NOT USE	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

99	Q2172-01A	TP06-MHQA	PS	06/02/25 20:27	NOT USE	Jaswal	Not Ok
100	Q2173-01	OR-400-CF-402B-CO	SAM	06/02/25 20:32	NOT USE	Jaswal	Not Ok
101	Q2173-07	OR-400-CF-402B-CO	SAM	06/02/25 20:36	NOT USE	Jaswal	Not Ok
102	Q2173-13	OR-400-CF-402B-CO	SAM	06/02/25 20:41	NOT USE	Jaswal	Not Ok
103	CCV09	CCV09	CCV	06/02/25 20:45		Jaswal	OK
104	CCB09	CCB09	CCB	06/02/25 20:49		Jaswal	OK
105	PB168236BL	PB168236BL	MB	06/02/25 20:54	NOT USE	Jaswal	Not Ok
106	PB168236BS	PB168236BS	LCS	06/02/25 20:58	NOT USE	Jaswal	Not Ok
107	Q2175-02	52725	SAM	06/02/25 21:02	NOT USE	Jaswal	Not Ok
108	CCV10	CCV10	CCV	06/02/25 21:06	CCV fail for all elements	Jaswal	OK
109	CCB10	CCB10	CCB	06/02/25 21:11		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/03/25 12:59		Jaswal	OK
2	S1	S1	CAL2	06/03/25 13:03		Jaswal	OK
3	S2	S2	CAL3	06/03/25 13:07		Jaswal	OK
4	S3	S3	CAL4	06/03/25 13:12		Jaswal	OK
5	S4	S4	CAL5	06/03/25 13:16		Jaswal	OK
6	S5	S5	CAL6	06/03/25 13:20		Jaswal	OK
7	ICV01	ICV01	ICV	06/03/25 13:57		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/03/25 14:11		Jaswal	OK
9	ICB01	ICB01	ICB	06/03/25 14:16		Jaswal	OK
10	CRI01	CRI01	CRDL	06/03/25 14:36		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/03/25 14:46		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/03/25 15:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/03/25 15:16		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/03/25 15:22		Jaswal	OK
15	CCV01	CCV01	CCV	06/03/25 15:28		Jaswal	OK
16	CCB01	CCB01	CCB	06/03/25 15:34		Jaswal	OK
17	Q2130-02	TP-3	SAM	06/03/25 15:38		Jaswal	OK
18	Q2133-02	MW5	SAM	06/03/25 15:42	Na oversaturated	Jaswal	Dilution

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q2133-03	SUPPLY	SAM	06/03/25 15:47		Jaswal	OK
20	Q2133-03DUP	SUPPLYDUP	DUP	06/03/25 15:51		Jaswal	OK
21	Q2133-03L	SUPPLYL	SD	06/03/25 15:55		Jaswal	OK
22	Q2133-03MS	SUPPLYMS	MS	06/03/25 15:59		Jaswal	OK
23	Q2133-03MSD	SUPPLYMSD	MSD	06/03/25 16:03		Jaswal	OK
24	Q2133-03A	SUPPLYA	PS	06/03/25 16:07		Jaswal	OK
25	Q2175-02	52725	SAM	06/03/25 16:11		Jaswal	OK
26	CCV02	CCV02	CCV	06/03/25 16:16		Jaswal	OK
27	CCB02	CCB02	CCB	06/03/25 16:20		Jaswal	OK
28	Q2134-01	MW10	SAM	06/03/25 16:24		Jaswal	OK
29	Q2101-01	TP-1-MHE	SAM	06/03/25 16:29		Jaswal	OK
30	Q2101-01DUP	TP-1-MHEDUP	DUP	06/03/25 16:33		Jaswal	OK
31	Q2101-01L	TP-1-MHEL	SD	06/03/25 16:37		Jaswal	OK
32	Q2101-01MS	TP-1-MHEMS	MS	06/03/25 16:41		Jaswal	OK
33	Q2101-01MSD	TP-1-MHEMSD	MSD	06/03/25 16:45		Jaswal	OK
34	Q2101-01A	TP-1-MHEA	PS	06/03/25 16:49		Jaswal	OK
35	PB168236BL	PB168236BL	MB	06/03/25 16:53		Jaswal	OK
36	PB168236BS	PB168236BS	LCS	06/03/25 16:58		Jaswal	OK
37	Q2133-02DL	MW5DL	SAM	06/03/25 17:02	5x for Na	Jaswal	Confirms
38	CCV03	CCV03	CCV	06/03/25 17:06		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	CCB03	CCB03	CCB	06/03/25 17:10		Jaswal	OK
40	Q2172-01	TP06-MHQ	SAM	06/03/25 17:15	DUP fail for many parameters	Jaswal	Not Ok
41	Q2172-01DUP	TP06-MHQDUP	DUP	06/03/25 17:19	DUP fail for many parameters	Jaswal	Not Ok
42	Q2172-01L	TP06-MHQL	SD	06/03/25 17:33	DUP fail for many parameters	Jaswal	Not Ok
43	Q2172-01MS	TP06-MHQMS	MS	06/03/25 17:37	DUP fail for many parameters	Jaswal	Not Ok
44	Q2172-01MSD	TP06-MHQMSD	MSD	06/03/25 17:41	DUP fail for many parameters	Jaswal	Not Ok
45	Q2172-01A	TP06-MHQA	PS	06/03/25 17:45	DUP fail for many parameters	Jaswal	Not Ok
46	Q2173-07	OR-400-CF-402B-CO	SAM	06/03/25 17:49		Jaswal	OK
47	Q2173-13	OR-400-CF-402B-CO	SAM	06/03/25 17:53		Jaswal	OK
48	Q2159-01	TP05-MHO-WC	SAM	06/03/25 17:57		Jaswal	OK
49	Q2173-01	OR-400-CF-402B-CO	SAM	06/03/25 18:01		Jaswal	OK
50	CCV04	CCV04	CCV	06/03/25 18:57		Jaswal	OK
51	CCB04	CCB04	CCB	06/03/25 19:01		Jaswal	OK
52	Q2159-04	TP05-MHO-WC	SAM	06/03/25 19:06		Jaswal	OK
53	Q2160-04	TP04-MHG-WC	SAM	06/03/25 19:10		Jaswal	OK
54	Q2160-08	TP05-MHH-WC	SAM	06/03/25 19:15		Jaswal	OK
55	Q2173-06	OR-400-CF-402B-CO	SAM	06/03/25 19:22		Jaswal	OK
56	Q2173-12	OR-400-CF-402B-CO	SAM	06/03/25 19:26		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

57	Q2173-18	OR-400-CF-402B-CO	SAM	06/03/25 19:31		Jaswal	OK
58	CCV05	CCV05	CCV	06/03/25 19:35		Jaswal	OK
59	CCB05	CCB05	CCB	06/03/25 19:39		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168200

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 05/29/2025 **Time :** 10:15 **Temp :** 96 °C

End Digest Date: 05/29/2025 **Time :** 13:21 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6016
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
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:

HOT BLOCK#1CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/29/25 14:21	SKG. met. dig.	MB. metal Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168200

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168200BL	PBW200	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	22
PB168200BS	LCS200	<2	50	25	Colorless	Colorless	Clear	N/A	M6007,M6016	23
Q2133-01	MW1	<2	50	25	light Brown	Colorless	Cloudy	N/A	N/A	24
Q2133-02	MW5	<2	50	25	light Brown	Colorless	Cloudy	N/A	N/A	25
Q2133-03	SUPPLY	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	26
Q2133-03MS	SUPPLYMS	<2	50	25	Colorless	Colorless	Clear	N/A	M6007,M6016	28
Q2133-03MSD	SUPPLYMSD	<2	50	25	Colorless	Colorless	Clear	N/A	M6007,M6016	29
Q2133-03DUP	SUPPLYDUP	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	27
Q2134-01	MW10	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	30
Q2137-03	MOO-25-0149	<2	50	50	Pink	Colorless	Clear	N/A	N/A	31

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2134
COC Number 2046124

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: DPW
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) X NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
X EDD FORMAT Excel or PDF Mapsite NJDEP

ANALYSIS

1: TCL VOCs + 15 TCL SVOCs + 15 (No pheno) (No Lowest Cal) 2. 3. 4. 5. 6: Na, Fe, Mn 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								Hcl	Ice				HNO3				← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW10	GW		X	5/27/25	1330	5	X	X				X				
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/28/25 9:39	1.
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: Ft Court 1

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

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2134 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/28/2025 11:45:10 AM
Project Name : DPW
Receive DateTime : 5/28/2025 ~~12:00:00~~ 9:31 AM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ NJ Reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2134-01	MW10	Water	05/27/2025	13:30					
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By : CJ
Date / Time : 5/28/25 1253

Received By : ADeP
Date / Time : 05/28/25

Storage Area : VOA Refridgerator Room

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