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

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
METALS
SEMI-VOLATILE ORGANICS

PROJECT NAME : TGP

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1690

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q1690

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : G Environmental

Project Location : NJ

Project Number : - TGP

Laboratory Sample ID(s) : Q1690

Sampling Date(s) : 3/31/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7470A,8260D,8270-Modified,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 : Q1690

Project ID : TGP

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1690-01	MW112010

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

Signature : _____ Date: 4/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: TGP
Project # N/A
Chemtech Project # Q1690
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

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

The Continuous Calibration File ID VN086191.D met the requirements except for Dichlorodifluoromethane,is failing high but no positive hit in associate samples 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

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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: TGP
Project # N/A
Chemtech Project # Q1690
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 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 except for PB167451BL [2,4,6-Tribromophenol - 112%], PB167451BS [2,4,6-Tribromophenol - 125%], PB167451BSD [2,4,6-Tribromophenol - 124%], this compound did not meet the NJDKQP criteria but met the in-house criteria, while MW112010 [2,4,6-Tribromophenol - 0%, 2-Fluorophenol - 0% and Phenol-d6 - 0%], these compounds did not meet the NJDKQP criteria and in-house criteria, but matrix interference Due to the limited volume availability of this sample it can not be re-extracted and re-analyzing the sample of surrogate failure therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {PB167451BS} with File ID: BG064175.D met requirements for all samples except for 3,3-Dichlorobenzidine[54%], 3-Nitroaniline[44%], and 4-Chloroaniline[25%],these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[250%], 2,4-Dimethylphenol[165%], 4,6-Dinitro-2-methylphenol[137%], Atrazine[143%], these compounds did not meet the

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NJDKQP criteria and in-house criteria, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BG030525.M) for 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Butylbenzlphthalate, these compounds are passing on Linear Regression and 2-Nitrophenol, 2-Nitroaniline, are passing on Quadratic regression.

The Continuous Calibration File ID BG064164.D met the requirements except for 2,4-Dinitrophenol,2-Nitrophenol,4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

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

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.

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CASE NARRATIVE

G Environmental
Project Name: TGP
Project # N/A
Chemtech Project # Q1690
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified 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 except for PB167430BL, PB167430BS and PB167430BSD, The above failure Internal Standard not associated with the client parameters list, therefore no corrective action was taken.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BN036817.D met the requirements except for Fluoranthene-d10, The associate samples have no positive hit for this compound therefore no corrective action was taken.

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.

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CASE NARRATIVE

G Environmental
Project Name: TGP
Project # N/A
Chemtech Project # Q1690
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
1 Water sample was received on 04/01/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (MW112010MS) analysis met criteria for all samples except for Aluminum, Iron and Manganese due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MW112010MSD) analysis met criteria for all samples except for Aluminum, Iron and Manganese due to Chemical Interference during Digestion Process.
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:

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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 #: Q1690

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

QA Review Signature: SOHIL JODHANI **Date:** 04/07/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1690

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW112010**								
Q1690-01	MW112010	Water	Acetone		35.6		1.50	25.0	ug/L
Q1690-01	MW112010	Water	Methyl Acetate		9.70		0.27	5.00	ug/L
			Total Voc :		45.3				
Q1690-01	MW112010	Water	unknown16.558	*	11.5	J	0	0	ug/L
Q1690-01	MW112010	Water	1-Decanol	*	22.9	J	0	0	ug/L
Q1690-01	MW112010	Water	Cyclooctane	*	12.0	J	0	0	ug/L
Q1690-01	MW112010	Water	Cyclododecane	*	26.2	J	0	0	ug/L
			Total Tics :		72.6				
			Total Concentration:		118				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	35.6		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	9.70		0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	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	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	278000	9.1			
3114-55-4	Chlorobenzene-d5	257000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000292-64-8	Cyclooctane	12.0	J		14.2	ug/L
000294-62-2	Cyclododecane	26.2	J		14.3	ug/L
000112-30-1	1-Decanol	22.9	J		16.0	ug/L
	unknown16.558	11.5	J		16.6	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

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1690-01	MW112010	1,2-Dichloroethane-d4	50	57.7	115	70 (74)	130 (125)
		Dibromofluoromethane	50	49.2	98	70 (75)	130 (124)
		Toluene-d8	50	49.5	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VN0401WBL01	VN0401WBL01	1,2-Dichloroethane-d4	50	60.5	121	70 (74)	130 (125)
		Dibromofluoromethane	50	53.9	108	70 (75)	130 (124)
		Toluene-d8	50	47.4	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.8	88	70 (77)	130 (121)
VN0401WBS01	VN0401WBS01	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VN0401WBSD0	VN0401WBSD01	1,2-Dichloroethane-d4	50	54.0	108	70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0401WBS01	Dichlorodifluoromethane	20	24.5	ug/L	123			40 (69)	160 (116)	
	Chloromethane	20	20.0	ug/L	100			40 (65)	160 (116)	
	Vinyl chloride	20	22.0	ug/L	110			70 (65)	130 (117)	
	Bromomethane	20	20.2	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	20.0	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.2	ug/L	101			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.2	ug/L	91			70 (74)	130 (110)	
	Acetone	100	82.0	ug/L	82			40 (60)	160 (125)	
	Carbon disulfide	20	16.8	ug/L	84			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			70 (78)	130 (114)	
	Methyl Acetate	20	16.5	ug/L	83			70 (67)	130 (125)	
	Methylene Chloride	20	18.2	ug/L	91			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.3	ug/L	92			70 (78)	130 (112)	
	Cyclohexane	20	17.1	ug/L	86			70 (75)	130 (110)	
	2-Butanone	100	84.1	ug/L	84			40 (65)	160 (122)	
	Carbon Tetrachloride	20	22.0	ug/L	110			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			70 (77)	130 (110)	
	Bromochloromethane	20	20.5	ug/L	103			70 (70)	130 (124)	
	Chloroform	20	20.0	ug/L	100			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.9	ug/L	104			70 (80)	130 (108)	
	Methylcyclohexane	20	18.1	ug/L	91			70 (72)	130 (115)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.2	ug/L	96			70 (83)	130 (111)	
	Bromodichloromethane	20	20.6	ug/L	103			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.4	ug/L	98			40 (74)	160 (118)	
	Toluene	20	21.3	ug/L	106			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	21.3	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.0	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	18.4	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	18.6	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	19.8	ug/L	99			70 (83)	130 (109)	
	Styrene	20	19.5	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	19.8	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	17.7	ug/L	89			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.0	ug/L	85			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.7	ug/L	89			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0401WBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.4	ug/L	77			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.0	ug/L	85			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0401WBSD01	Dichlorodifluoromethane	20	22.5	ug/L	113	8		40 (69)	160 (116)	20 (20)
	Chloromethane	20	21.5	ug/L	108	8		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	20.7	ug/L	104	6		70 (65)	130 (117)	20 (20)
	Bromomethane	20	20.6	ug/L	103	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.4	ug/L	92	8		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.6	ug/L	88	14		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	17.0	ug/L	85	13		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	15.2	ug/L	76	18		70 (74)	130 (110)	20 (20)
	Acetone	100	75.7	ug/L	76	8		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.6	ug/L	73	14		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	17.6	ug/L	88	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	16.3	ug/L	81	2		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.0	ug/L	85	7		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	16.2	ug/L	81	16		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	17.0	ug/L	85	8		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	15.8	ug/L	79	8		70 (75)	130 (110)	20 (20)
	2-Butanone	100	81.3	ug/L	81	4		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.9	ug/L	100	10		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	17.4	ug/L	87	6		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.0	ug/L	105	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.1	ug/L	96	4		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	6		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	7		70 (72)	130 (115)	20 (20)
	Benzene	20	18.5	ug/L	93	4		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.1	ug/L	101	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.6	ug/L	88	7		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.1	ug/L	96	0		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.4	ug/L	102	1		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	96.0	ug/L	96	2		40 (74)	160 (118)	20 (20)
	Toluene	20	19.7	ug/L	99	7		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.4	ug/L	97	0		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	18.7	ug/L	94	4		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.8	ug/L	99	5		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.5	ug/L	94	6		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	20.5	ug/L	103	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.7	ug/L	99	1		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	17.7	ug/L	89	3		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	17.0	ug/L	85	9		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	35.1	ug/L	88	12		70 (82)	130 (110)	20 (20)
	o-Xylene	20	17.8	ug/L	89	11		70 (83)	130 (109)	20 (20)
	Styrene	20	18.0	ug/L	90	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.2	ug/L	96	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	16.5	ug/L	83	7		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	17.1	ug/L	86	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	17.3	ug/L	86	5		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	16.4	ug/L	82	7		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	16.8	ug/L	84	6		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.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0401WBSD01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87	2		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75	3		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	15.6	ug/L	78	9		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0401WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086193.D Lab Sample ID: VN0401WBL01

Date Analyzed: 04/01/2025 Time Analyzed: 13:29

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0401WBS01	VN0401WBS01	VN086194.D	04/01/2025
VN0401WBSD01	VN0401WBSD01	VN086195.D	04/01/2025
MW112010	Q1690-01	VN086198.D	04/01/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN085994.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086190.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_N BFB Injection Time: 11:41

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.7 (7.1) 1
176	95.0 - 101.0% of mass 174	76.2 (95.8) 1
177	5.0 - 9.0% of mass 176	5.4 (7.1) 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	VN086191.D	04/01/2025	12:30
VN0401WBL01	VN0401WBL01	VN086193.D	04/01/2025	13:29
VN0401WBS01	VN0401WBS01	VN086194.D	04/01/2025	13:54
VN0401WBSD01	VN0401WBSD01	VN086195.D	04/01/2025	14:48
MW112010	Q1690-01	VN086198.D	04/01/2025	16:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086191.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_N Time Analyzed: 12:30

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	131862	8.22	204993	9.10	195897	11.87
UPPER LIMIT	263724	8.724	409986	9.6	391794	12.365
LOWER LIMIT	65931	7.724	102497	8.6	97948.5	11.365
EPA SAMPLE NO.						
MW112010	155880	8.22	278463	9.10	256873	11.87
VN0401WBL01	103379	8.22	183913	9.10	165471	11.87
VN0401WBS01	124765	8.22	197440	9.10	188658	11.87
VN0401WBSD01	113137	8.22	183169	9.10	166660	11.87

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.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086191.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_N Time Analyzed: 12:30

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

	IS4 AREA #	RT #				
12 HOUR STD	111589	13.788				
UPPER LIMIT	223178	14.288				
LOWER LIMIT	55794.5	13.288				
EPA SAMPLE NO.						
MW112010	118313	13.79				
VN0401WBL01	65170	13.79				
VN0401WBS01	101045	13.79				
VN0401WBSD01	87066	13.79				

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

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:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	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	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.5		70 (74) - 130 (125)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	47.4		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	103000	8.224			
540-36-3	1,4-Difluorobenzene	184000	9.1			
3114-55-4	Chlorobenzene-d5	165000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	65200	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

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:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	24.5		0.22	5.00	ug/L
74-87-3	Chloromethane	20.0		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	22.0		0.26	5.00	ug/L
74-83-9	Bromomethane	20.2		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	5.00	ug/L
67-64-1	Acetone	82.0		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	16.8		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.16	5.00	ug/L
79-20-9	Methyl Acetate	16.5		0.27	5.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.23	5.00	ug/L
110-82-7	Cyclohexane	17.1		1.50	5.00	ug/L
78-93-3	2-Butanone	84.1		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	22.0		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.19	5.00	ug/L
74-97-5	Bromochloromethane	20.5		0.22	5.00	ug/L
67-66-3	Chloroform	20.0		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.9		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	18.1		0.16	5.00	ug/L
71-43-2	Benzene	19.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.4		0.68	25.0	ug/L
108-88-3	Toluene	21.3		0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	5.00	ug/L
591-78-6	2-Hexanone	100		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	10.0	ug/L
95-47-6	o-Xylene	19.8		0.12	5.00	ug/L
100-42-5	Styrene	19.5		0.15	5.00	ug/L
75-25-2	Bromoform	19.8		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.0		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.0		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.7		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.4		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.0		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	8.224			
540-36-3	1,4-Difluorobenzene	197000	9.1			
3114-55-4	Chlorobenzene-d5	189000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

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:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		0.22	5.00	ug/L
74-87-3	Chloromethane	21.5		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	20.7		0.26	5.00	ug/L
74-83-9	Bromomethane	20.6		1.40	5.00	ug/L
75-00-3	Chloroethane	18.4		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.0		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	15.2		0.23	5.00	ug/L
67-64-1	Acetone	75.7		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	14.6		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.6		0.16	5.00	ug/L
79-20-9	Methyl Acetate	16.3		0.27	5.00	ug/L
75-09-2	Methylene Chloride	17.0		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	17.0		0.23	5.00	ug/L
110-82-7	Cyclohexane	15.8		1.50	5.00	ug/L
78-93-3	2-Butanone	81.3		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.19	5.00	ug/L
74-97-5	Bromochloromethane	21.0		0.22	5.00	ug/L
67-66-3	Chloroform	19.1		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.16	5.00	ug/L
71-43-2	Benzene	18.5		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.6		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.0		0.68	25.0	ug/L
108-88-3	Toluene	19.7		0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.21	5.00	ug/L
591-78-6	2-Hexanone	93.5		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.7		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	17.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	35.1		0.24	10.0	ug/L
95-47-6	o-Xylene	17.8		0.12	5.00	ug/L
100-42-5	Styrene	18.0		0.15	5.00	ug/L
75-25-2	Bromoform	19.2		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	16.5		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.1		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.3		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.4		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.8		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.6		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	8.224			
540-36-3	1,4-Difluorobenzene	183000	9.1			
3114-55-4	Chlorobenzene-d5	167000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	87100	13.788			

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

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.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.643	0.600	0.649	0.697	0.678	0.662	6
Chloromethane	0.575	0.557	0.514	0.544	0.612	0.683	0.581	10.3
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
Bromomethane	0.388	0.381	0.377	0.411	0.466		0.404	9.2
Chloroethane	0.355	0.330	0.334	0.378	0.403	0.446	0.375	11.9
Trichlorofluoromethane	1.059	0.977	0.959	1.035	1.107	1.267	1.067	10.5
1,1,2-Trichlorotrifluoroethane	0.574	0.515	0.512	0.553	0.590	0.659	0.567	9.7
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
Acetone	0.251	0.194	0.179	0.195	0.213	0.223	0.209	12.4
Carbon Disulfide	1.649	1.510	1.467	1.610	1.765	2.107	1.685	13.8
Methyl tert-butyl Ether	1.888	1.691	1.578	1.604	1.638	1.673	1.679	6.6
Methyl Acetate	0.488	0.469	0.434	0.504	0.542	0.667	0.518	15.8
Methylene Chloride	0.613	0.565	0.551	0.572	0.639	0.731	0.612	10.9
trans-1,2-Dichloroethene	0.603	0.534	0.521	0.546	0.564	0.591	0.560	5.8
1,1-Dichloroethane	1.023	0.949	0.908	0.968	1.032	1.130	1.001	7.8
Cyclohexane	0.890	0.799	0.765	0.854	0.957		0.853	8.9
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
cis-1,2-Dichloroethene	0.688	0.633	0.591	0.617	0.656	0.632	0.636	5.3
Bromochloromethane	0.403	0.391	0.398	0.404	0.430	0.521	0.424	11.6
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
1,1,1-Trichloroethane	1.093	0.986	0.962	1.025	1.097	1.124	1.048	6.3
Methylcyclohexane	0.579	0.475	0.419	0.399	0.426	0.438	0.456	14.3
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
1,2-Dichloropropane	0.366	0.321	0.319	0.321	0.333	0.309	0.328	6.2
Bromodichloromethane	0.600	0.516	0.506	0.515	0.561	0.537	0.539	6.6
4-Methyl-2-Pentanone	0.434	0.385	0.368	0.380	0.369	0.287	0.371	12.9
Toluene	1.074	0.915	0.862	0.878	0.856	0.727	0.885	12.7

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.646	0.539	0.504	0.506	0.501	0.446	0.524	12.8
cis-1,3-Dichloropropene	0.659	0.568	0.533	0.555	0.537	0.464	0.553	11.5
1,1,2-Trichloroethane	0.382	0.327	0.316	0.330	0.338	0.335	0.338	6.7
2-Hexanone	0.334	0.284	0.269	0.270	0.261	0.202	0.270	15.7
Dibromochloromethane	0.503	0.432	0.408	0.422	0.436	0.416	0.436	7.8
1,2-Dibromoethane	0.400	0.351	0.326	0.343	0.337	0.325	0.347	8
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
Ethyl Benzene	2.209	1.918	1.744	1.769	1.755	1.586	1.830	11.7
m/p-Xylenes	0.867	0.756	0.700	0.690	0.660	0.643	0.719	11.4
o-Xylene	0.831	0.713	0.655	0.645	0.585	0.532	0.660	15.8
Styrene	1.431	1.219	1.115	1.044	1.032	0.924	1.128	15.8
Bromoform	0.392	0.345	0.329	0.342	0.355	0.371	0.356	6.4
Isopropylbenzene	3.863	3.599	3.251	3.470	3.264	3.039	3.414	8.6
1,1,2,2-Tetrachloroethane	1.076	1.052	1.041	1.191	1.261	1.311	1.155	10
1,3-Dichlorobenzene	1.842	1.685	1.614	1.749	1.718	1.688	1.716	4.5
1,4-Dichlorobenzene	1.825	1.667	1.621	1.756	1.907	2.043	1.803	8.7
1,2-Dichlorobenzene	1.716	1.598	1.522	1.673	1.724	2.004	1.706	9.7
1,2-Dibromo-3-Chloropropane	0.240	0.221	0.216	0.266	0.250	0.192	0.231	11.5
1,2,4-Trichlorobenzene	0.952	0.850	0.779	0.815	0.851	0.899	0.858	7.1
1,2,3-Trichlorobenzene	0.900	0.829	0.772	0.794	0.791	0.798	0.814	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date/Time: 04/01/2025 12:30

Lab File ID: VN086191.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.662	0.804		21.45	20
Chloromethane	0.581	0.654	0.1	12.56	20
Vinyl Chloride	0.594	0.692		16.5	20
Bromomethane	0.404	0.386		-4.45	20
Chloroethane	0.375	0.368		-1.87	20
Trichlorofluoromethane	1.067	1.063		-0.38	20
1,1,2-Trichlorotrifluoroethane	0.567	0.536		-5.47	20
1,1-Dichloroethene	0.512	0.479		-6.45	20
Acetone	0.209	0.176		-15.79	20
Carbon Disulfide	1.685	1.478		-12.28	20
Methyl tert-butyl Ether	1.679	1.653		-1.55	20
Methyl Acetate	0.518	0.482		-6.95	20
Methylene Chloride	0.612	0.588		-3.92	20
trans-1,2-Dichloroethene	0.560	0.557		-0.54	20
1,1-Dichloroethane	1.001	0.969	0.1	-3.2	20
Cyclohexane	0.853	0.798		-6.45	20
2-Butanone	0.302	0.282		-6.62	20
Carbon Tetrachloride	0.604	0.691		14.4	20
cis-1,2-Dichloroethene	0.636	0.652		2.52	20
Bromochloromethane	0.424	0.412		-2.83	20
Chloroform	1.107	1.147		3.61	20
1,1,1-Trichloroethane	1.048	1.109		5.82	20
Methylcyclohexane	0.456	0.469		2.85	20
Benzene	1.443	1.549		7.35	20
1,2-Dichloroethane	0.503	0.554		10.14	20
Trichloroethene	0.374	0.367		-1.87	20
1,2-Dichloropropane	0.328	0.346		5.49	20
Bromodichloromethane	0.539	0.597		10.76	20
4-Methyl-2-Pentanone	0.371	0.423		14.02	20
Toluene	0.885	1.035		16.95	20
t-1,3-Dichloropropene	0.524	0.565		7.82	20
cis-1,3-Dichloropropene	0.553	0.595		7.59	20
1,1,2-Trichloroethane	0.338	0.380		12.43	20
2-Hexanone	0.270	0.313		15.93	20
Dibromochloromethane	0.436	0.499		14.45	20
1,2-Dibromoethane	0.347	0.385		10.95	20
Tetrachloroethene	0.399	0.411		3.01	20
Chlorobenzene	1.144	1.152	0.3	0.7	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date/Time: 04/01/2025 12:30

Lab File ID: VN086191.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	1.975		7.92	20
m/p-Xylenes	0.719	0.809		12.52	20
o-Xylene	0.660	0.744		12.73	20
Styrene	1.128	1.331		18	20
Bromoform	0.356	0.377	0.1	5.9	20
Isopropylbenzene	3.414	3.345		-2.02	20
1,1,2,2-Tetrachloroethane	1.155	1.028	0.3	-11	20
1,3-Dichlorobenzene	1.716	1.691		-1.46	20
1,4-Dichlorobenzene	1.803	1.656		-8.15	20
1,2-Dichlorobenzene	1.706	1.629		-4.51	20
1,2-Dibromo-3-Chloropropane	0.231	0.220		-4.76	20
1,2,4-Trichlorobenzene	0.858	0.749		-12.7	20
1,2,3-Trichlorobenzene	0.814	0.758		-6.88	20
1,2-Dichloroethane-d4	0.685	0.742		8.32	20
Dibromofluoromethane	0.349	0.363		4.01	20
Toluene-d8	1.267	1.382		9.08	20
4-Bromofluorobenzene	0.452	0.517		14.38	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_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Time: Apr 02 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

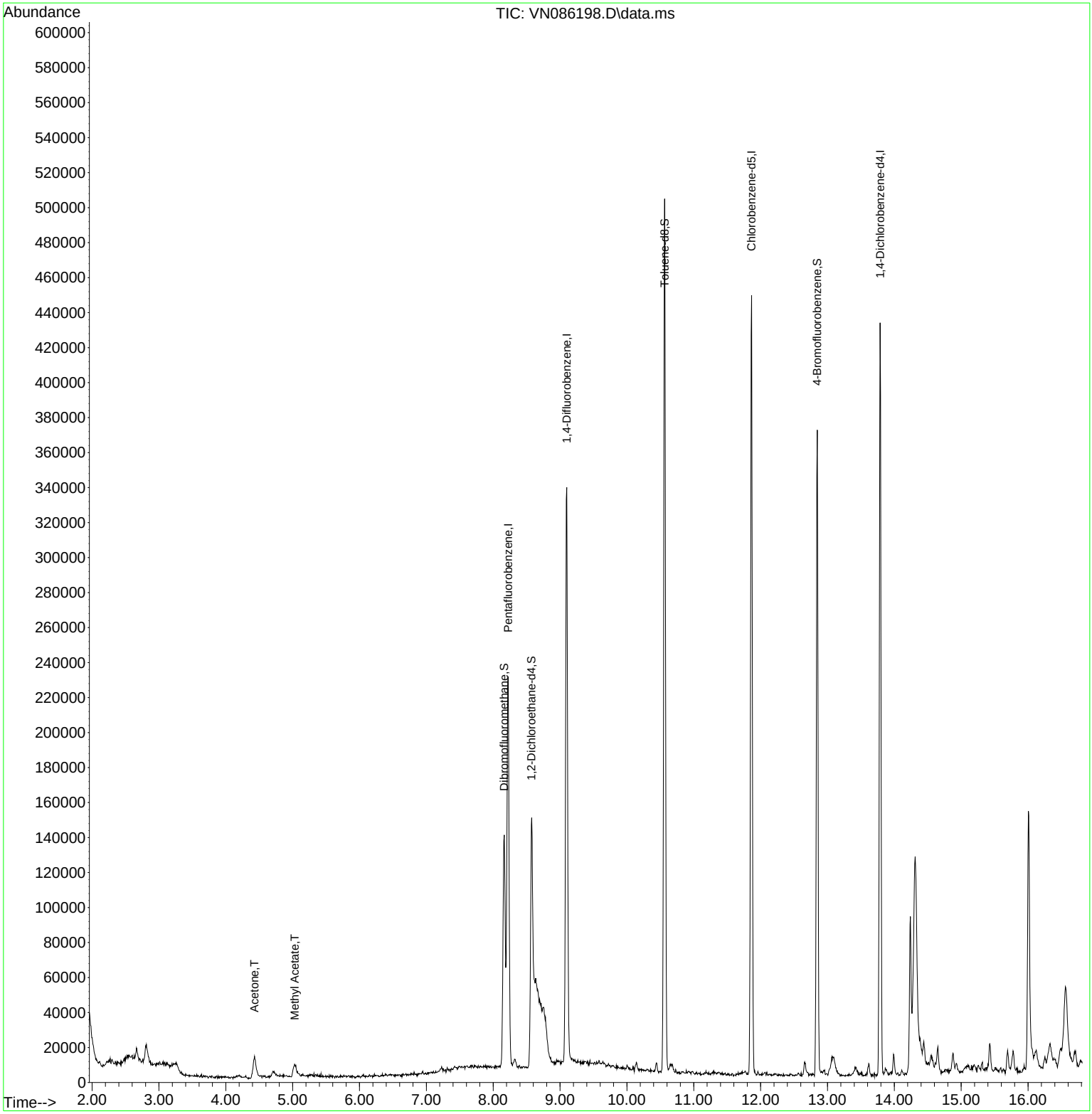
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123079	57.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.320%			
35) Dibromofluoromethane	8.165	113	95606	49.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	10.565	98	349170	49.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.847	95	130215	51.761	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.520%			
Target Compounds						Qvalue
16) Acetone	4.430	43	23211	35.593	ug/l	98
18) Methyl Acetate	5.030	43	15706	9.734	ug/l	94

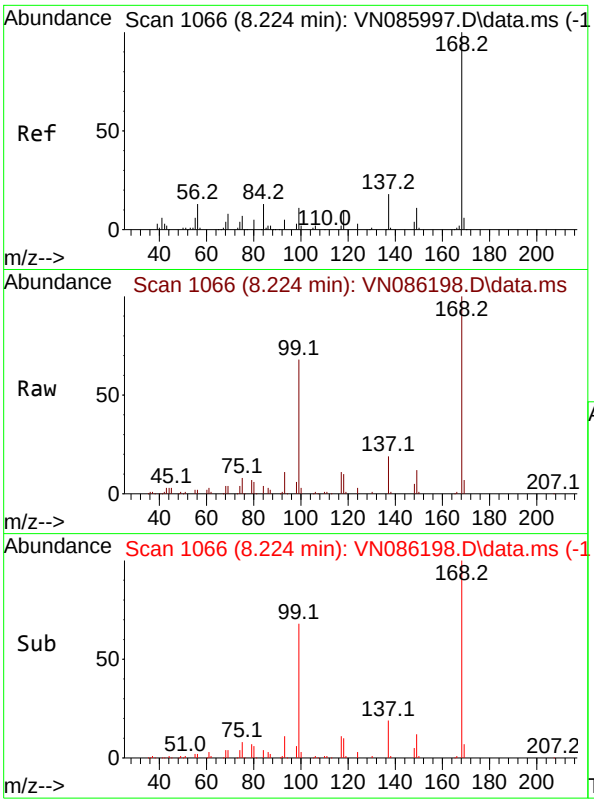
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Time: Apr 02 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



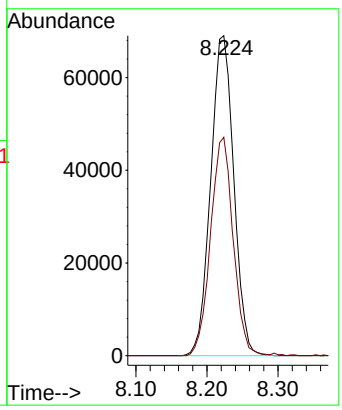


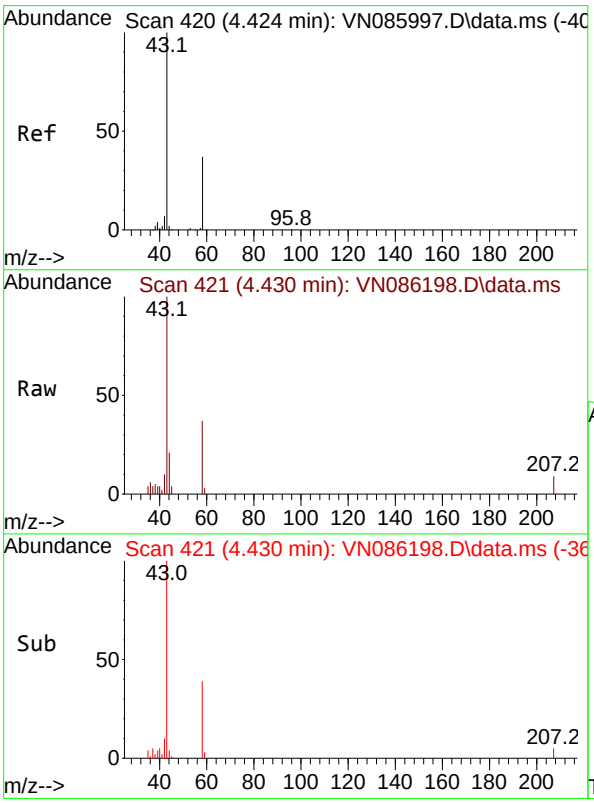
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:168 Resp: 155880

Ion	Ratio	Lower	Upper
168	100		
99	68.2	49.4	74.2

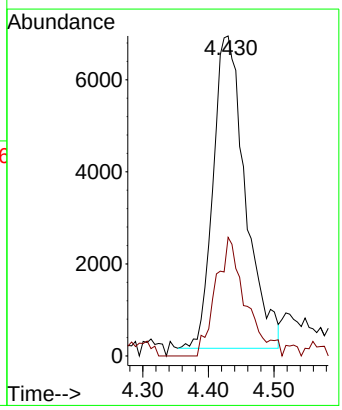




#16
Acetone
Concen: 35.593 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

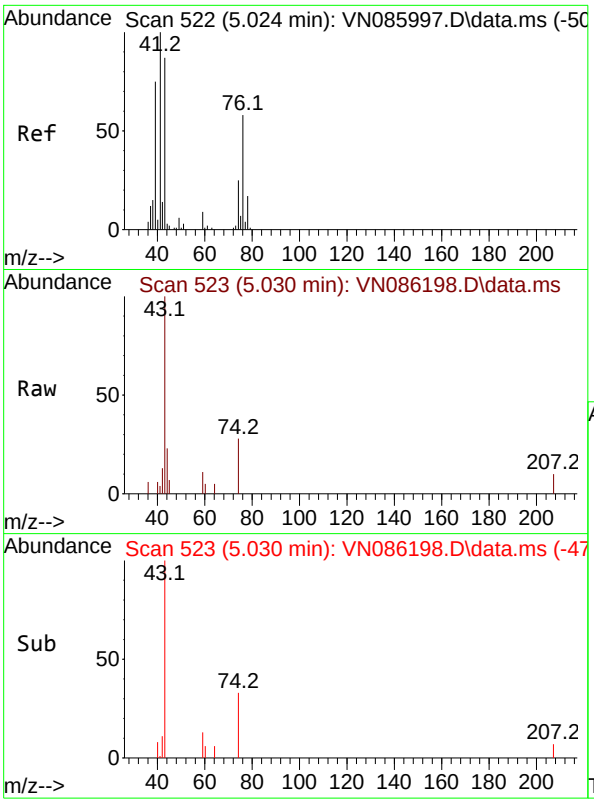
Tgt Ion: 43 Resp: 23211

Ion	Ratio	Lower	Upper
43	100		
58	38.0	29.4	44.2



5

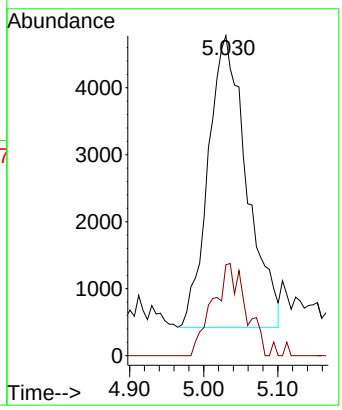
Instrument :
MSVOA_N
ClientSampleId :
MW112010

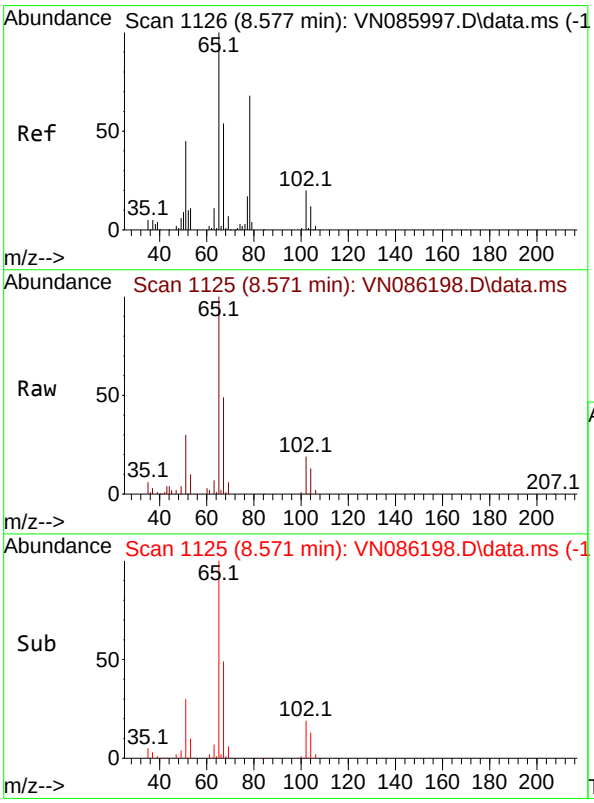


#18
Methyl Acetate
Concen: 9.734 ug/l
RT: 5.030 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 43 Resp: 15706

Ion	Ratio	Lower	Upper
43	100		
74	26.9	23.9	35.9

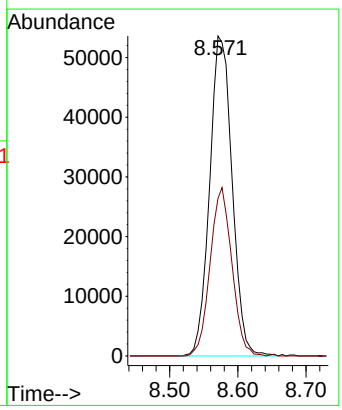


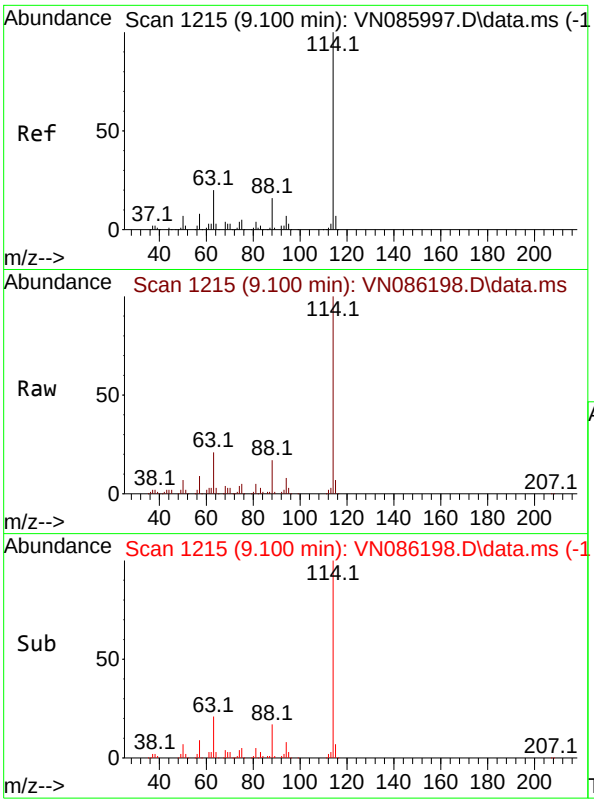


#33
1,2-Dichloroethane-d4
Concen: 57.661 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 65 Resp: 123079

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.2



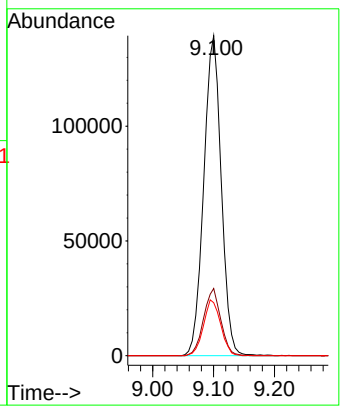


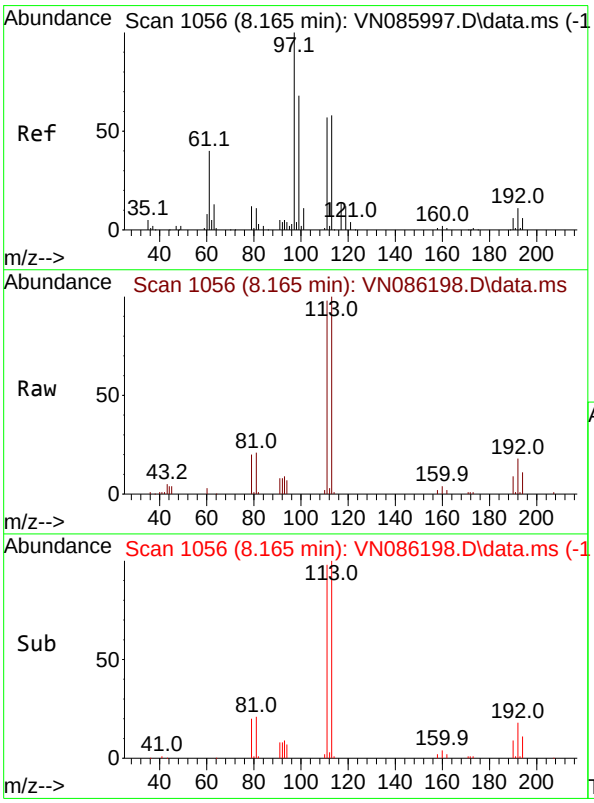
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:114 Resp: 278463

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.6
88	16.6	0.0	32.6

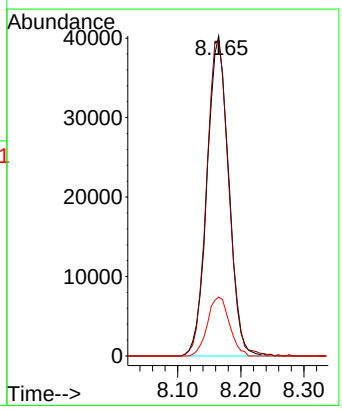


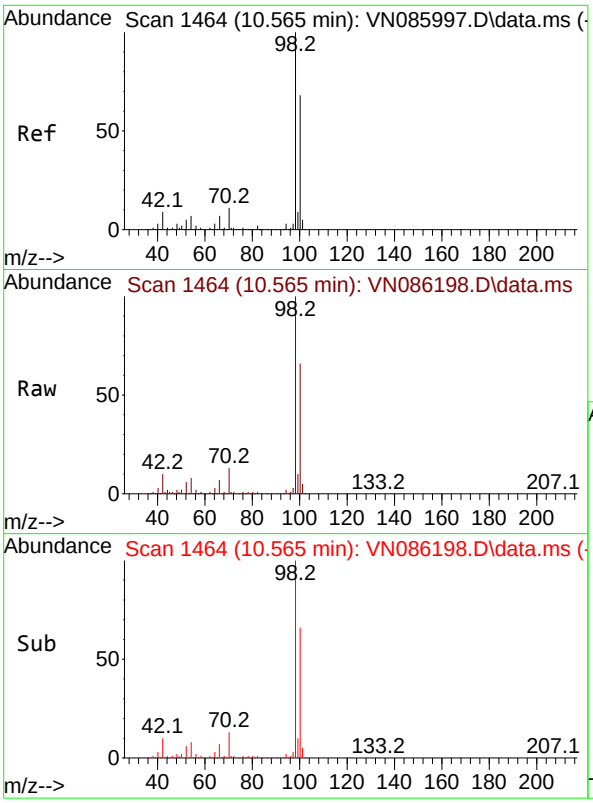


#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion:113 Resp: 95606

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	18.7	15.9	23.9



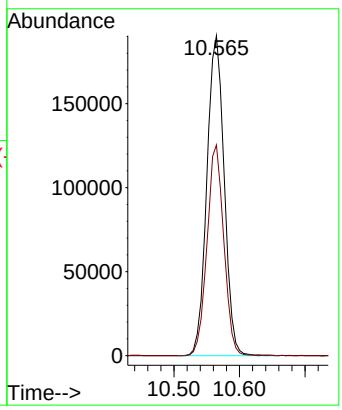


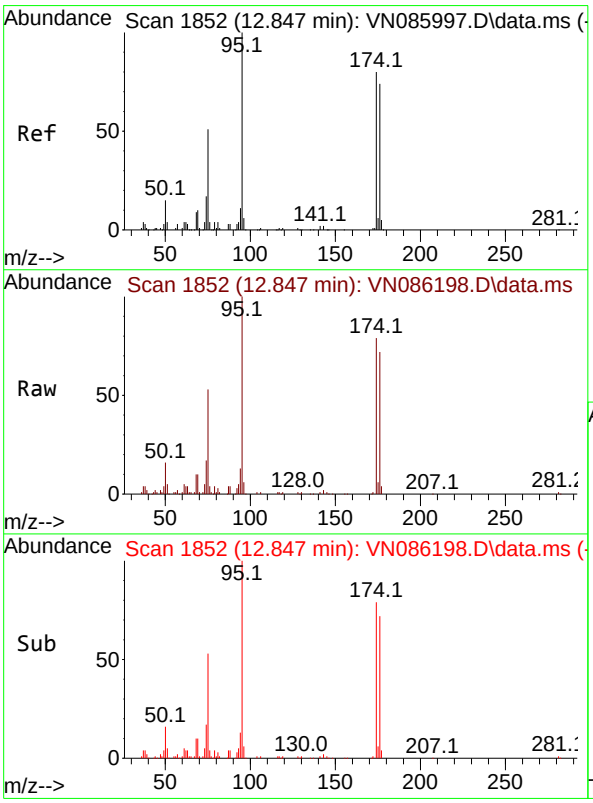
#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion: 98 Resp: 349170

Ion	Ratio	Lower	Upper
98	100		
100	63.7	53.1	79.7

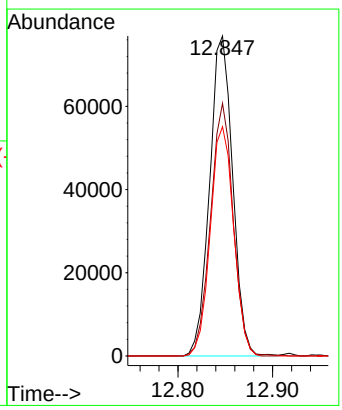


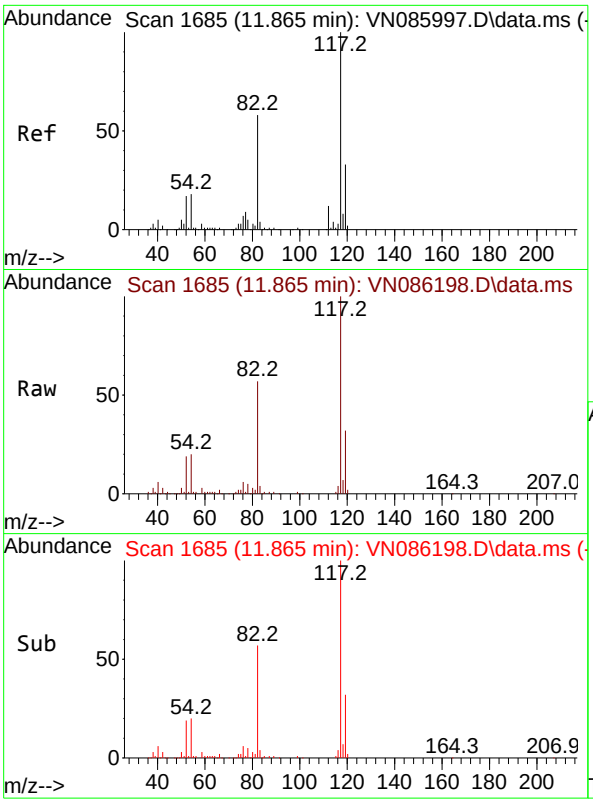


#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 95 Resp: 130215

Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	156.8
176	72.4	0.0	152.2



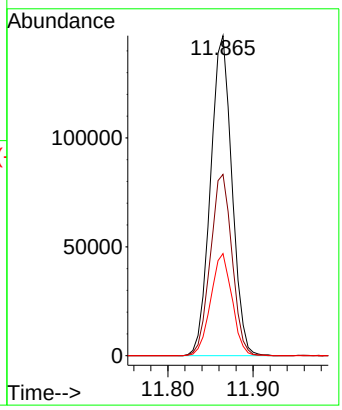


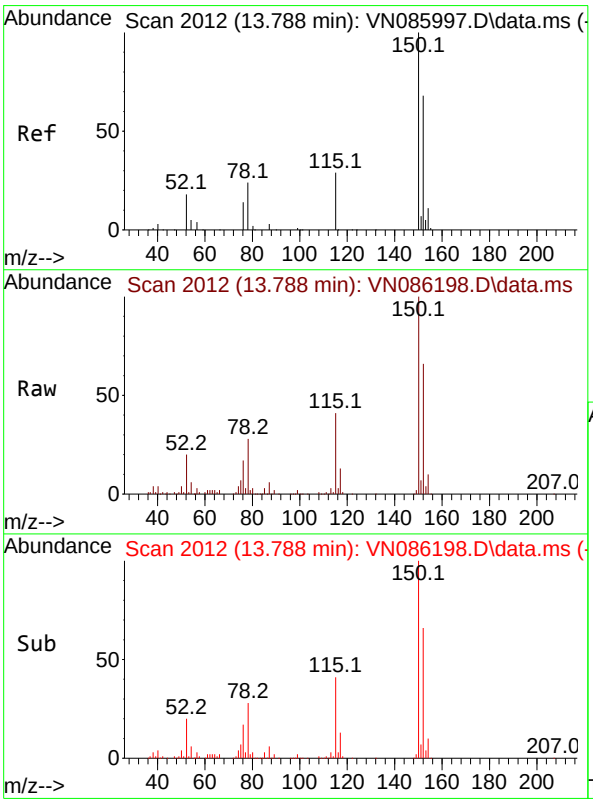
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:117 Resp: 256873

Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.7	70.1
119	31.9	26.5	39.7

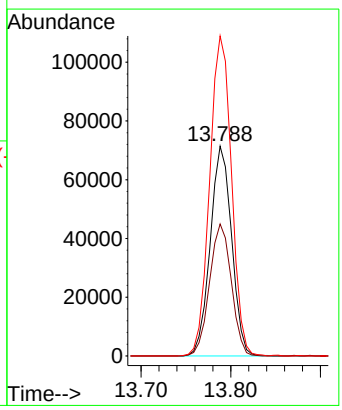




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion:152 Resp: 118313

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.1	93.2
150	155.3	0.0	359.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

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_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086198.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.665	119	121	127	rVB3	7142	10530	1.15%	0.163%
2	2.812	141	146	154	rVB7	10224	26034	2.85%	0.404%
3	4.430	410	421	435	rBV2	12745	44101	4.83%	0.684%
4	5.030	514	523	525	rBV3	7283	16670	1.83%	0.259%
5	8.165	1046	1056	1060	rBV	132728	312268	34.20%	4.845%
6	8.224	1060	1066	1077	rVV	223277	506141	55.43%	7.853%
7	8.318	1077	1082	1089	rVB7	4653	11603	1.27%	0.180%
8	8.577	1117	1126	1134	rBV2	142283	397291	43.51%	6.164%
9	9.100	1206	1215	1227	rBV	328472	676260	74.06%	10.493%
10	10.141	1387	1392	1399	rBV6	5331	11416	1.25%	0.177%
11	10.441	1439	1443	1449	rVB5	5747	10340	1.13%	0.160%
12	10.565	1455	1464	1473	rBV	499420	913093	100.00%	14.167%
13	11.865	1676	1685	1697	rVB	445766	789115	86.42%	12.244%
14	12.659	1816	1820	1827	rBV4	7148	14327	1.57%	0.222%
15	12.847	1845	1852	1861	rBV	369218	631611	69.17%	9.800%
16	13.065	1879	1889	1890	rBV6	10382	20275	2.22%	0.315%
17	13.618	1979	1983	1989	rVB6	7234	12980	1.42%	0.201%
18	13.788	2004	2012	2021	rBV	430323	722882	79.17%	11.216%
19	13.988	2042	2046	2054	rVB2	11590	18894	2.07%	0.293%
20	14.241	2079	2089	2093	rBV	90319	173042	18.95%	2.685%
21	14.312	2093	2101	2112	rVB5	109088	378179	41.42%	5.868%
22	14.441	2120	2123	2129	rVB5	12743	20793	2.28%	0.323%
23	14.553	2137	2142	2150	rVV9	7113	18537	2.03%	0.288%
24	14.653	2154	2159	2167	rVB3	15579	32109	3.52%	0.498%
25	14.876	2192	2197	2202	rBV4	9308	16848	1.85%	0.261%
26	15.429	2283	2291	2300	rVB9	15836	34134	3.74%	0.530%
27	15.694	2330	2336	2342	rBV3	13227	27779	3.04%	0.431%
28	15.776	2344	2350	2356	rVB4	11304	25111	2.75%	0.390%
29	16.006	2382	2389	2402	rBV2	147660	330404	36.19%	5.126%
30	16.253	2426	2431	2434	rBV7	6723	12823	1.40%	0.199%
31	16.329	2434	2444	2452	rVV6	11726	40658	4.45%	0.631%
32	16.488	2463	2471	2472	rBV5	10897	22318	2.44%	0.346%
33	16.559	2474	2483	2497	rVB5	42507	166597	18.25%	2.585%

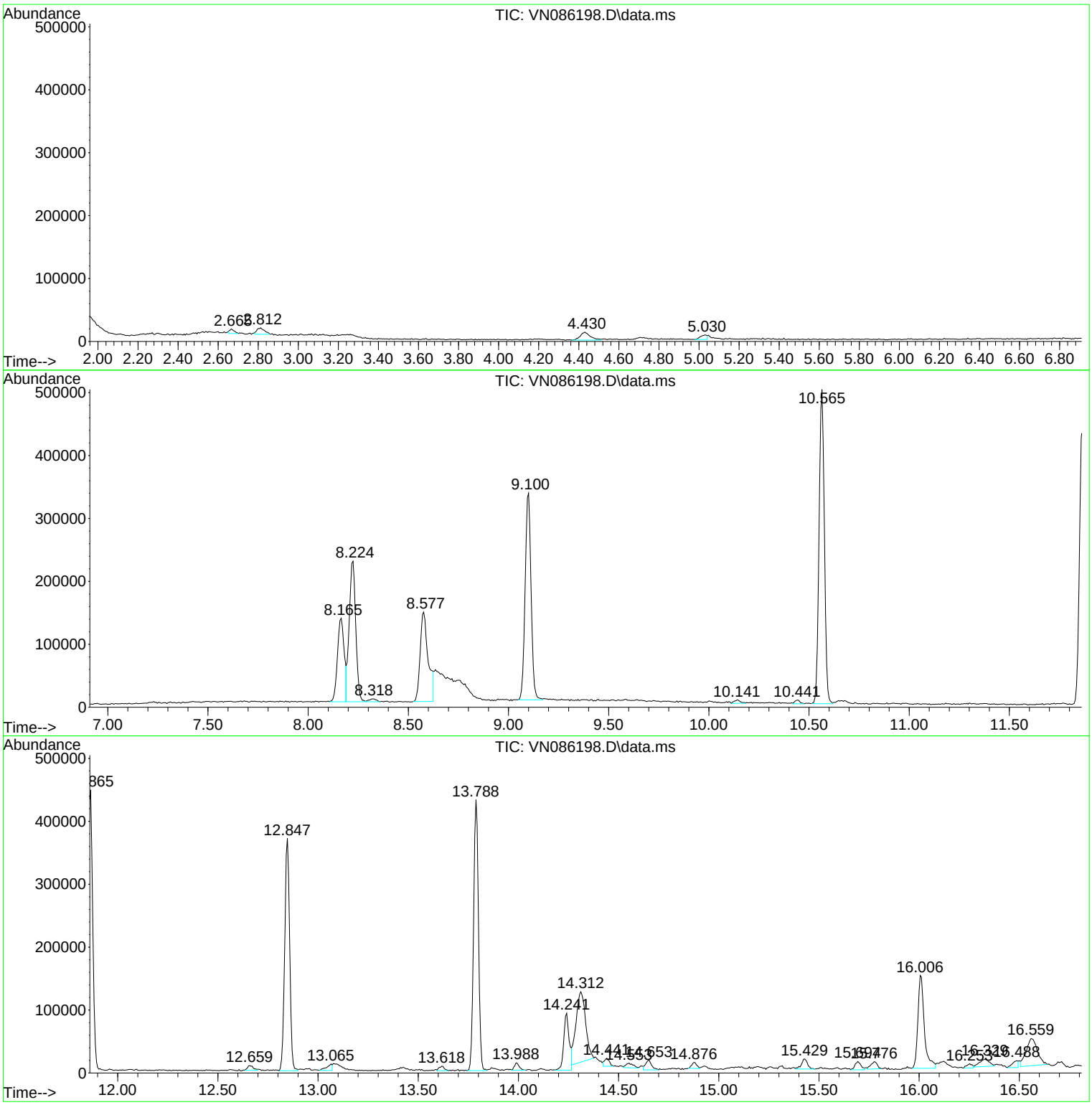
Sum of corrected areas: 6445163

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

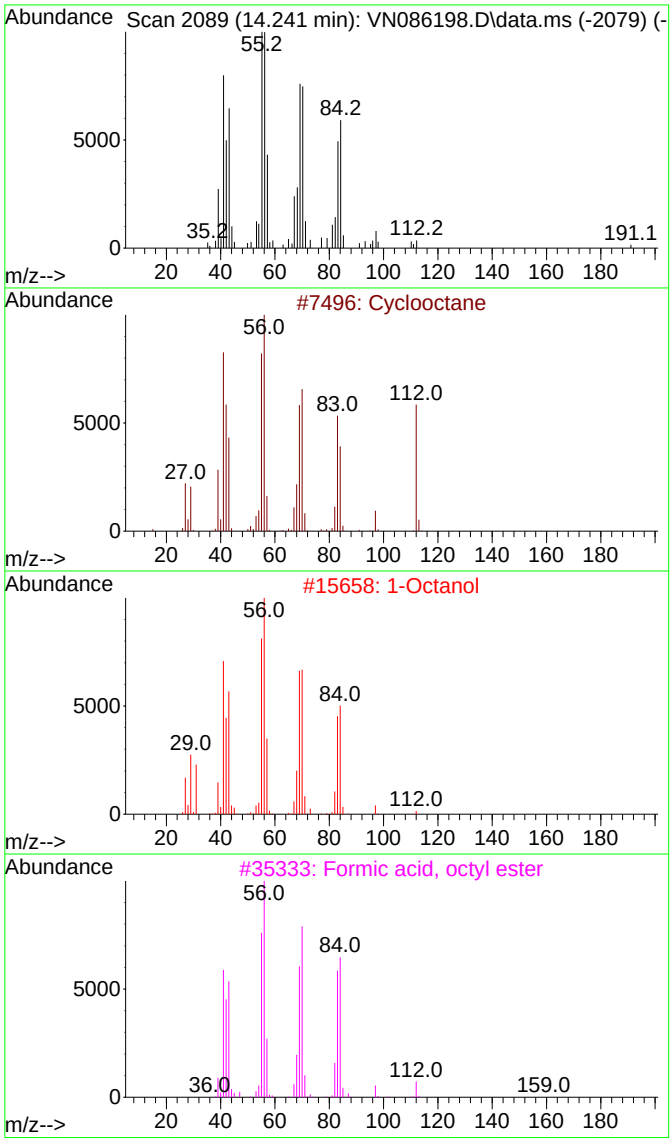
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

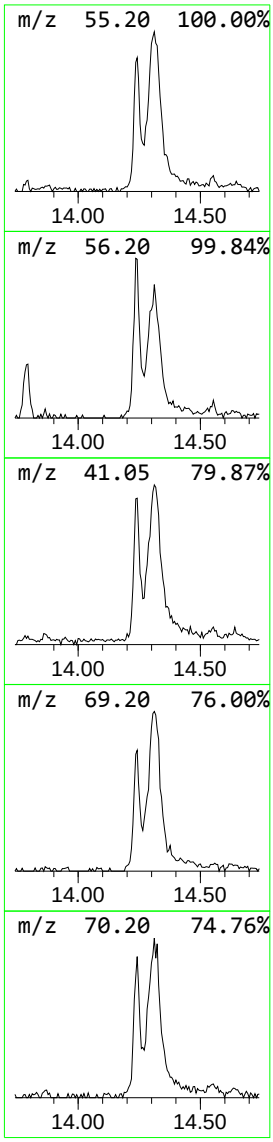
****

Peak Number 1 Cyclooctane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.241	11.97 ug/l	173042	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	90
2	1-Octanol	130	C8H18O	000111-87-5	90
3	Formic acid, octyl ester	158	C9H18O2	000112-32-3	78
4	1-Nonanol	144	C9H20O	000143-08-8	72
5	Acetic acid, trichloro-, octyl e...	274	C10H17Cl3O2	016958-78-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

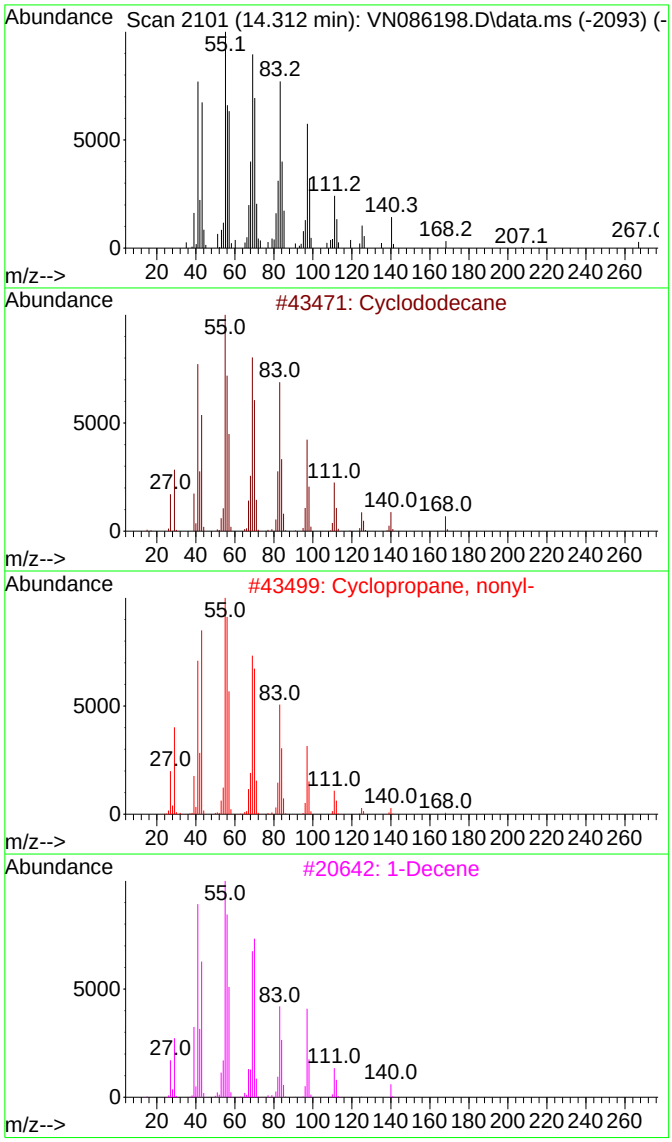
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

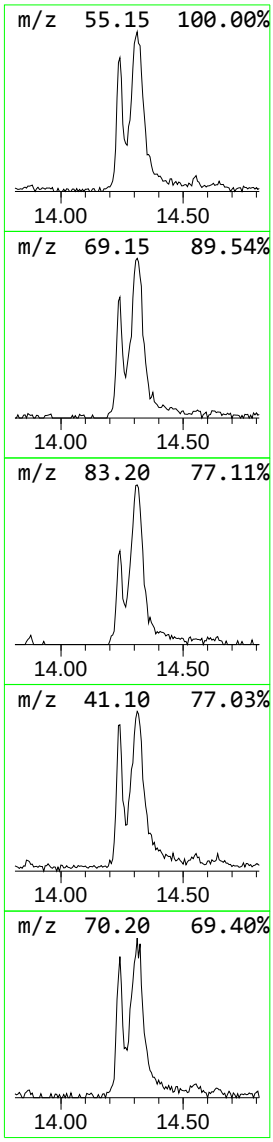
****

Peak Number 2 Cyclododecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	26.16 ug/l	378179	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	95
2	Cyclopropane, nonyl-	168	C12H24	074663-85-7	95
3	1-Decene	140	C10H20	000872-05-9	94
4	Cyclodecane	140	C10H20	000293-96-9	93
5	1-Tetradecanol	214	C14H30O	000112-72-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

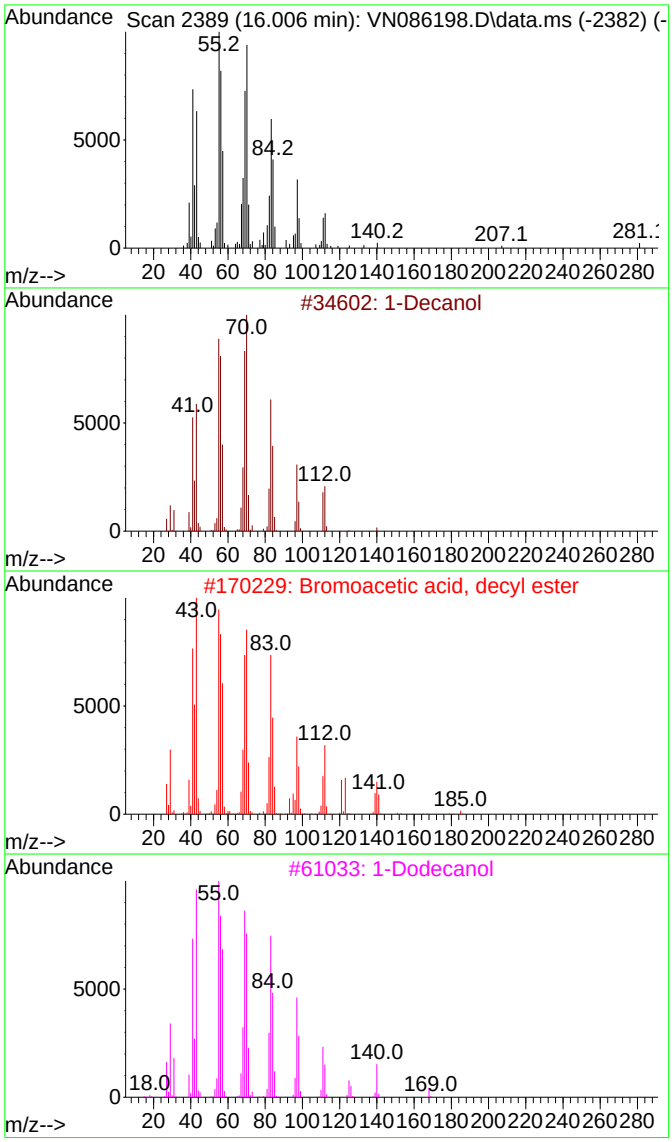
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

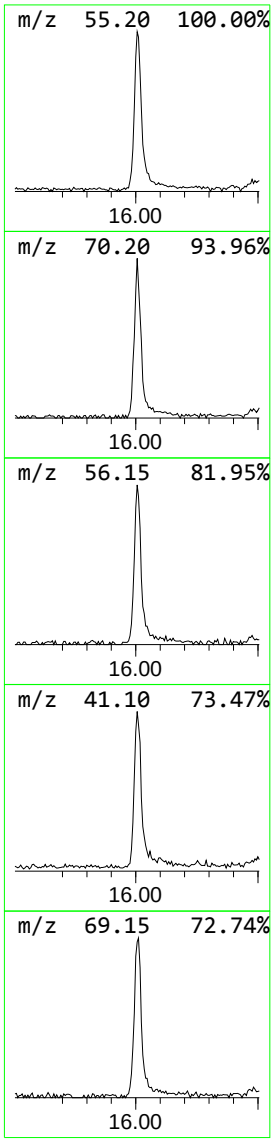
****

Peak Number 3 1-Decanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.006	22.85 ug/l	330404	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol	158	C10H22O	000112-30-1	91
2	Bromoacetic acid, decyl ester	278	C12H23BrO2	005436-93-1	91
3	1-Dodecanol	186	C12H26O	000112-53-8	91
4	1-Undecanol	172	C11H24O	000112-42-5	90
5	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

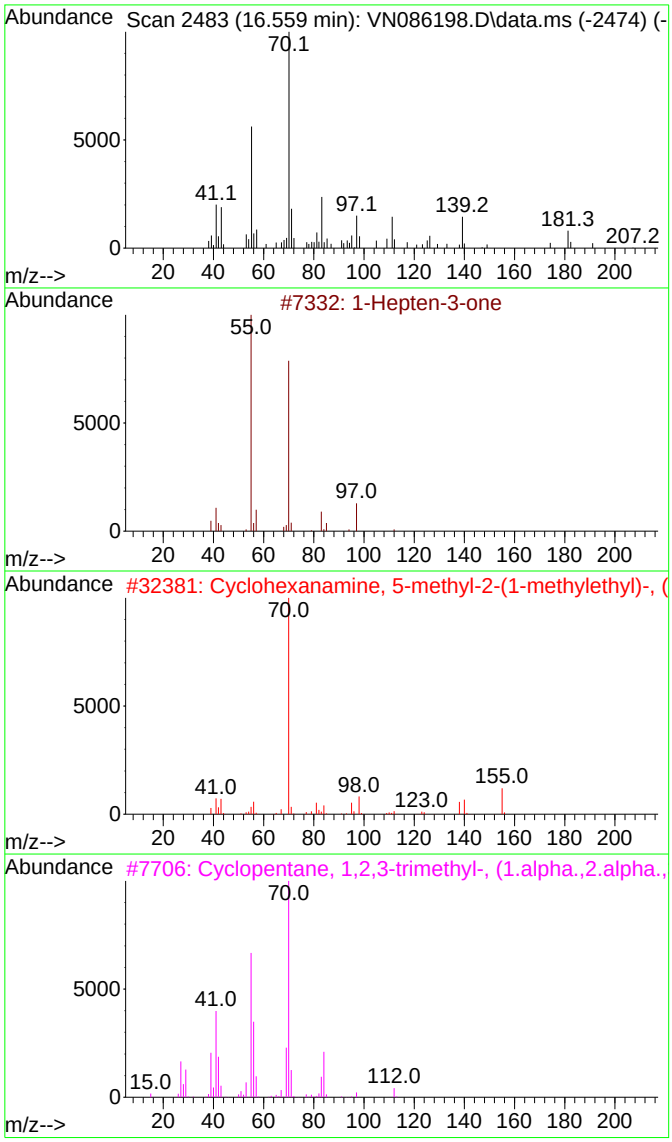
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

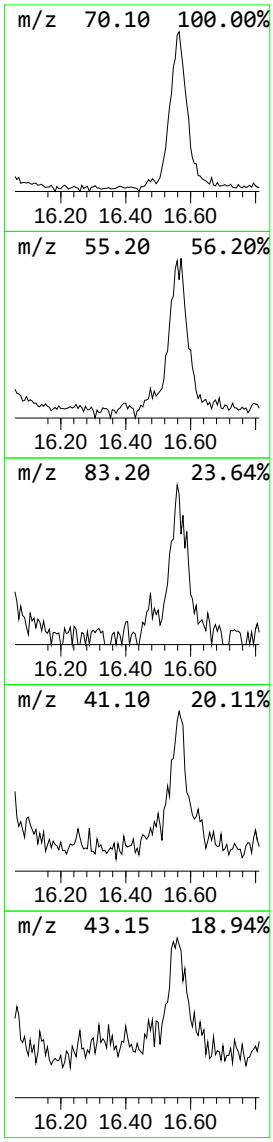
****

Peak Number 4 unknown16.558 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.558	11.52 ug/l	166597	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hepten-3-one	112	C7H12O	002918-13-0	50
2	Cyclohexanamine, 5-methyl-2-(1-m...	155	C10H21N	023399-21-5	38
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	38
4	4-(4-Methyl-piperazin-1-yl)-1,5,...	182	C8H14N4O	1000287-66-9	35
5	Tetrahydrogeranyl formate	186	C11H22O2	1000429-39-6	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Cyclooctane	14.241	12.0	ug/l	173042	4	13.788	722882	50.0
Cyclododecane	14.312	26.2	ug/l	378179	4	13.788	722882	50.0
1-Decanol	16.006	22.9	ug/l	330404	4	13.788	722882	50.0
unknown16.558	16.558	11.5	ug/l	166597	4	13.788	722882	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Time: Apr 02 01:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	103379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	183913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	165471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	65170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	85684	60.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.060%			
35) Dibromofluoromethane	8.165	113	69132	53.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	10.565	98	220661	47.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.720%			
62) 4-Bromofluorobenzene	12.847	95	72749	43.785	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.580%			

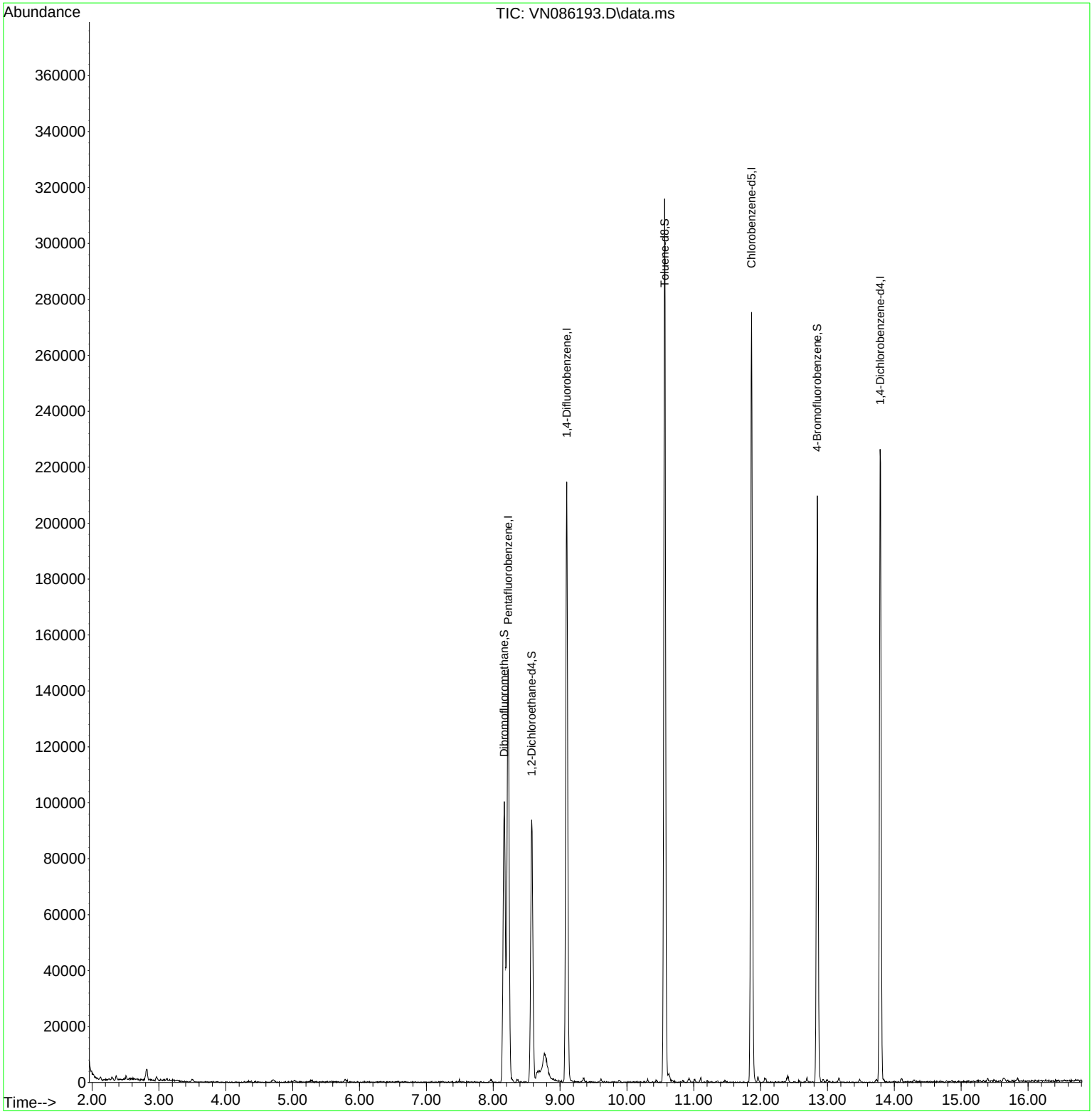
Target Compounds Qvalue

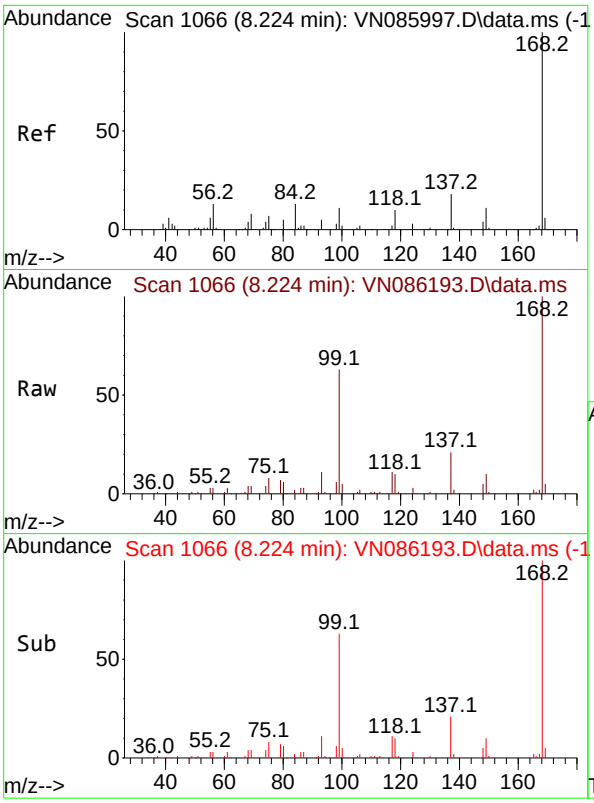
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Time: Apr 02 01:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



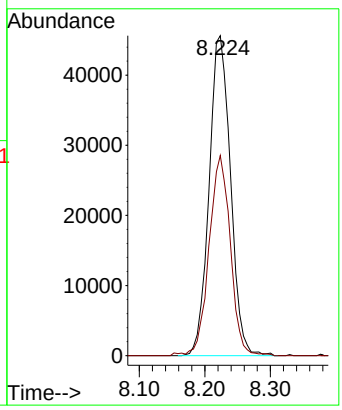


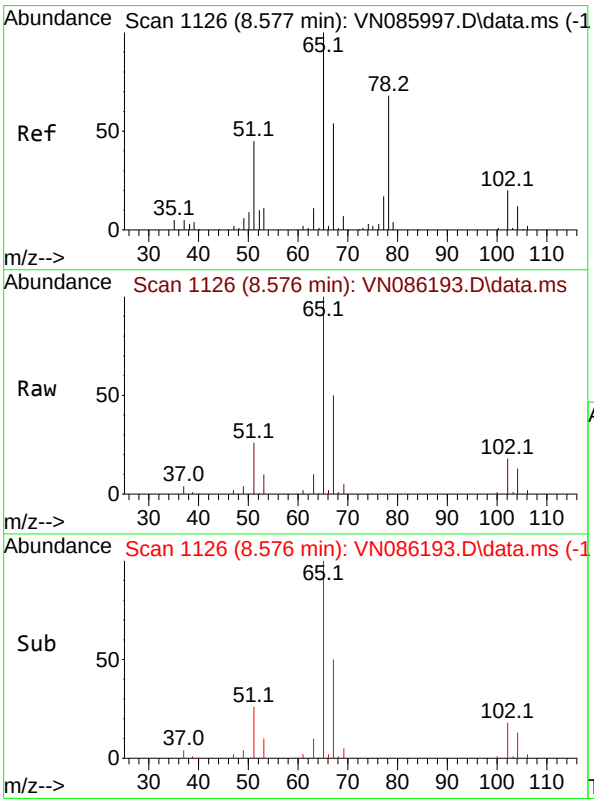
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:168 Resp: 103379

Ion	Ratio	Lower	Upper
168	100		
99	62.6	49.4	74.2

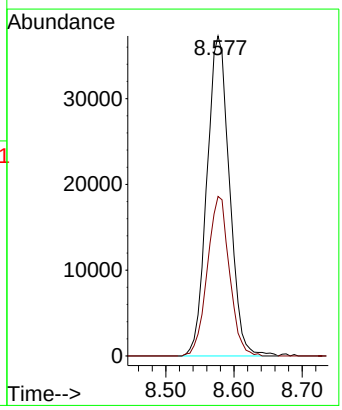


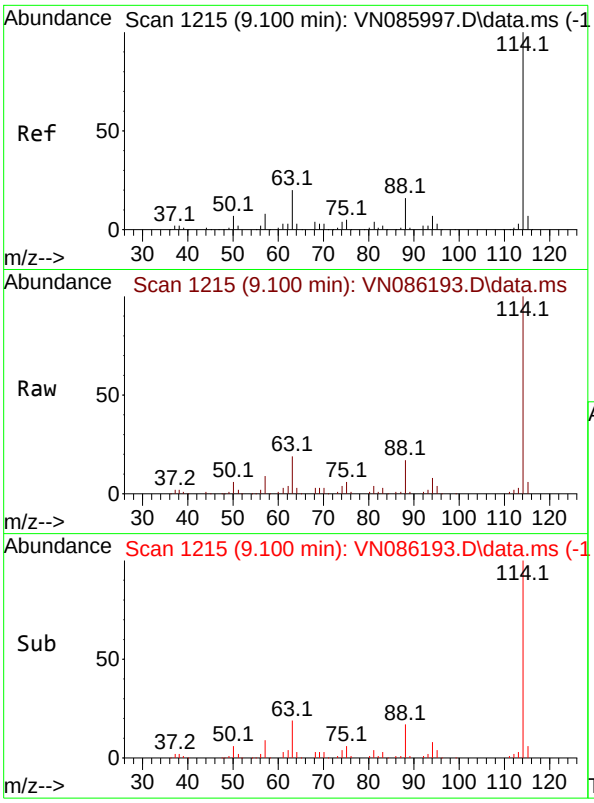


#33
1,2-Dichloroethane-d4
Concen: 60.528 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion: 65 Resp: 85684

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	102.2



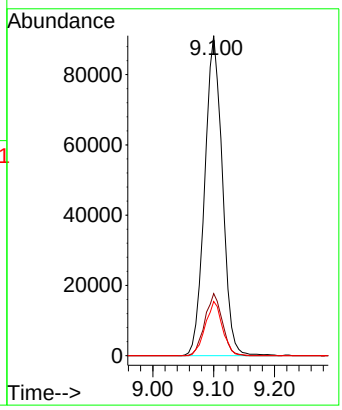


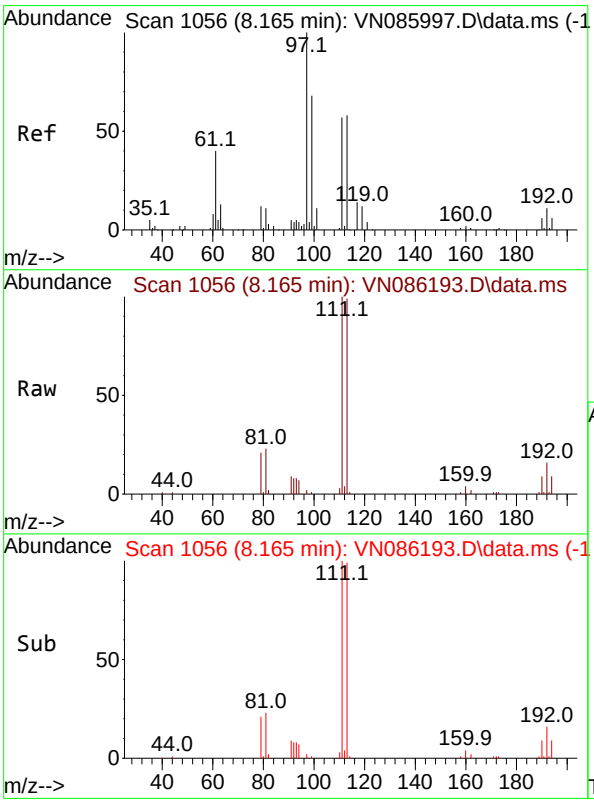
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:114 Resp: 183913

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	16.9	0.0	32.6

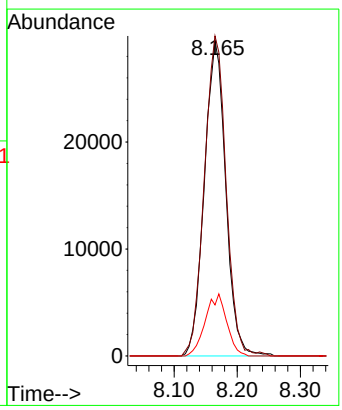


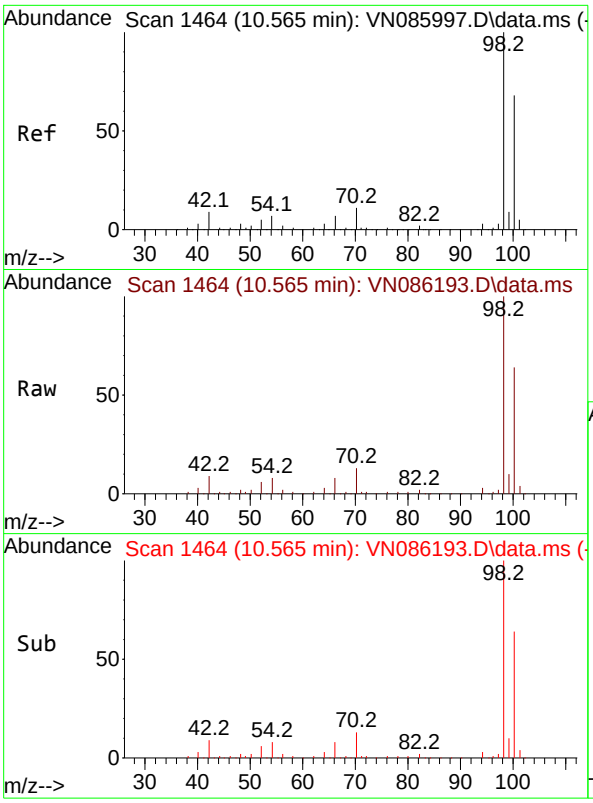


#35
Dibromofluoromethane
Concen: 53.854 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion:113 Resp: 69132

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	19.7	15.9	23.9



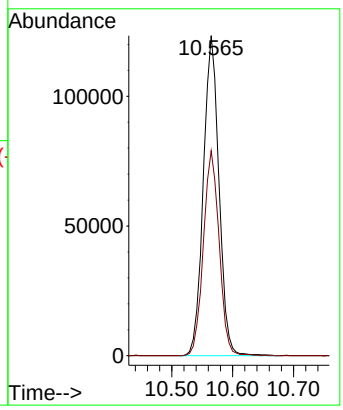


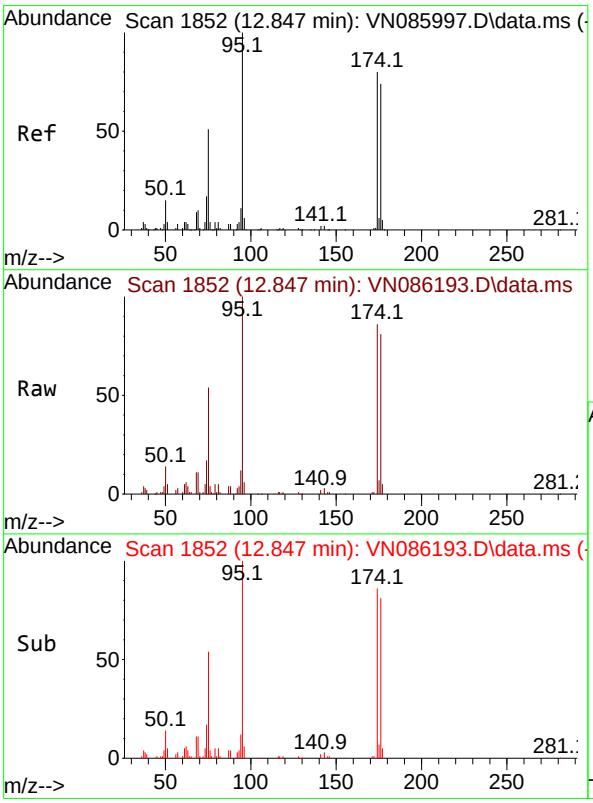
#50
Toluene-d8
Concen: 47.363 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion: 98 Resp: 220661

Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.1	79.7

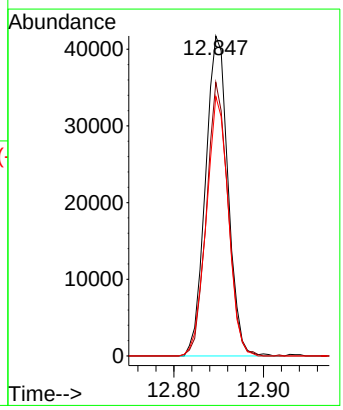


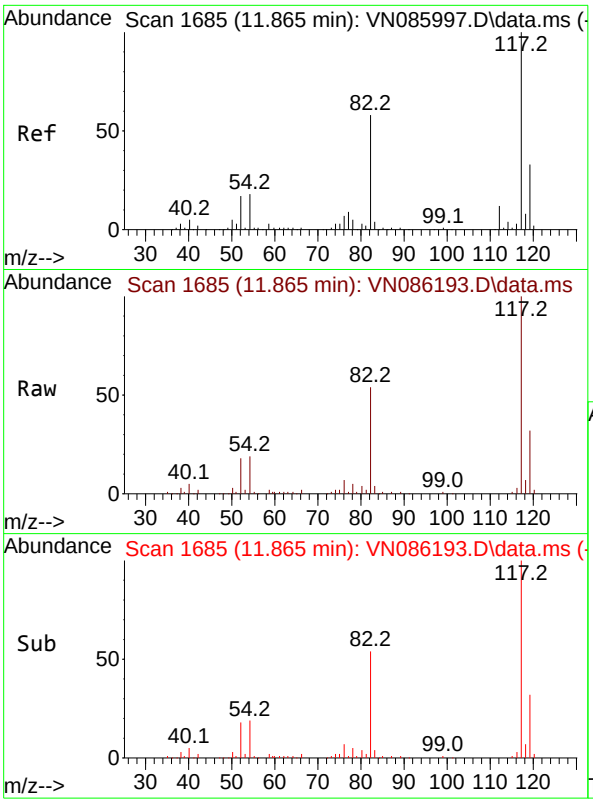


#62
4-Bromofluorobenzene
Concen: 43.785 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion: 95 Resp: 72749

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	156.8
176	79.2	0.0	152.2



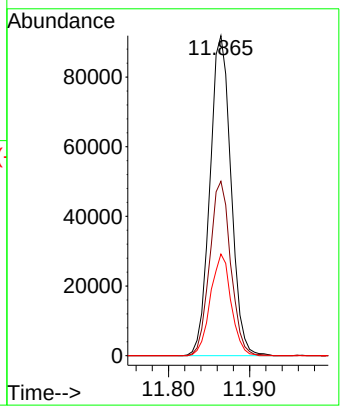


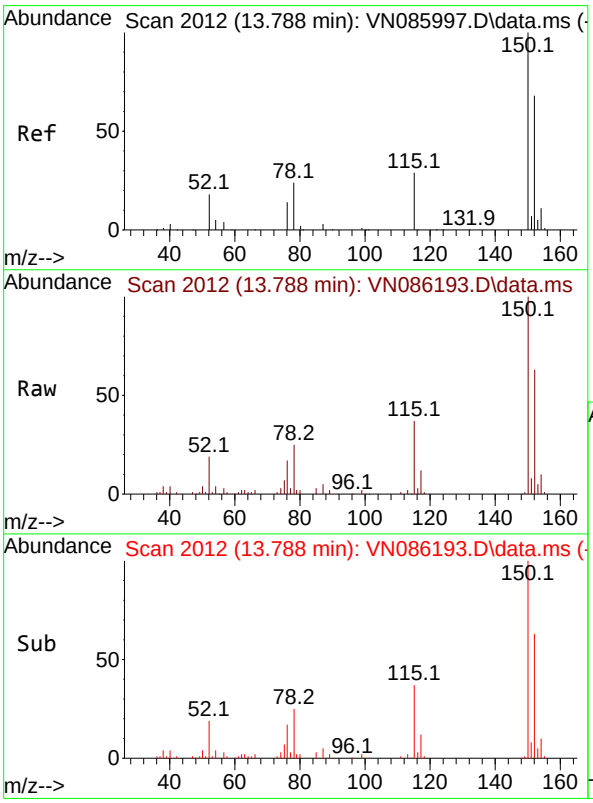
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:117 Resp: 165471

Ion	Ratio	Lower	Upper
117	100		
82	54.5	46.7	70.1
119	31.8	26.5	39.7

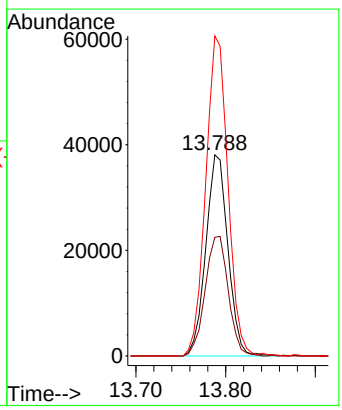




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion:152 Resp: 65170

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.1	93.2
150	159.8	0.0	359.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

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_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086193.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	141	147	152	rVB3	3923	7612	1.34%	0.250%
2	8.165	1047	1056	1060	rBV3	100509	229612	40.35%	7.532%
3	8.224	1060	1066	1074	rVB	146759	327141	57.49%	10.731%
4	8.577	1116	1126	1135	rBV	93878	216311	38.01%	7.095%
5	8.665	1135	1141	1144	rBV4	2654	5876	1.03%	0.193%
6	8.765	1151	1158	1169	rVB5	7466	27726	4.87%	0.909%
7	9.100	1207	1215	1225	rBV	214341	428780	75.35%	14.065%
8	10.565	1455	1464	1472	rBV	315985	569071	100.00%	18.666%
9	11.865	1678	1685	1696	rVB	275450	492139	86.48%	16.143%
10	12.847	1843	1852	1863	rBV	209830	358078	62.92%	11.746%
11	13.788	2006	2012	2020	rBV	226113	386292	67.88%	12.671%

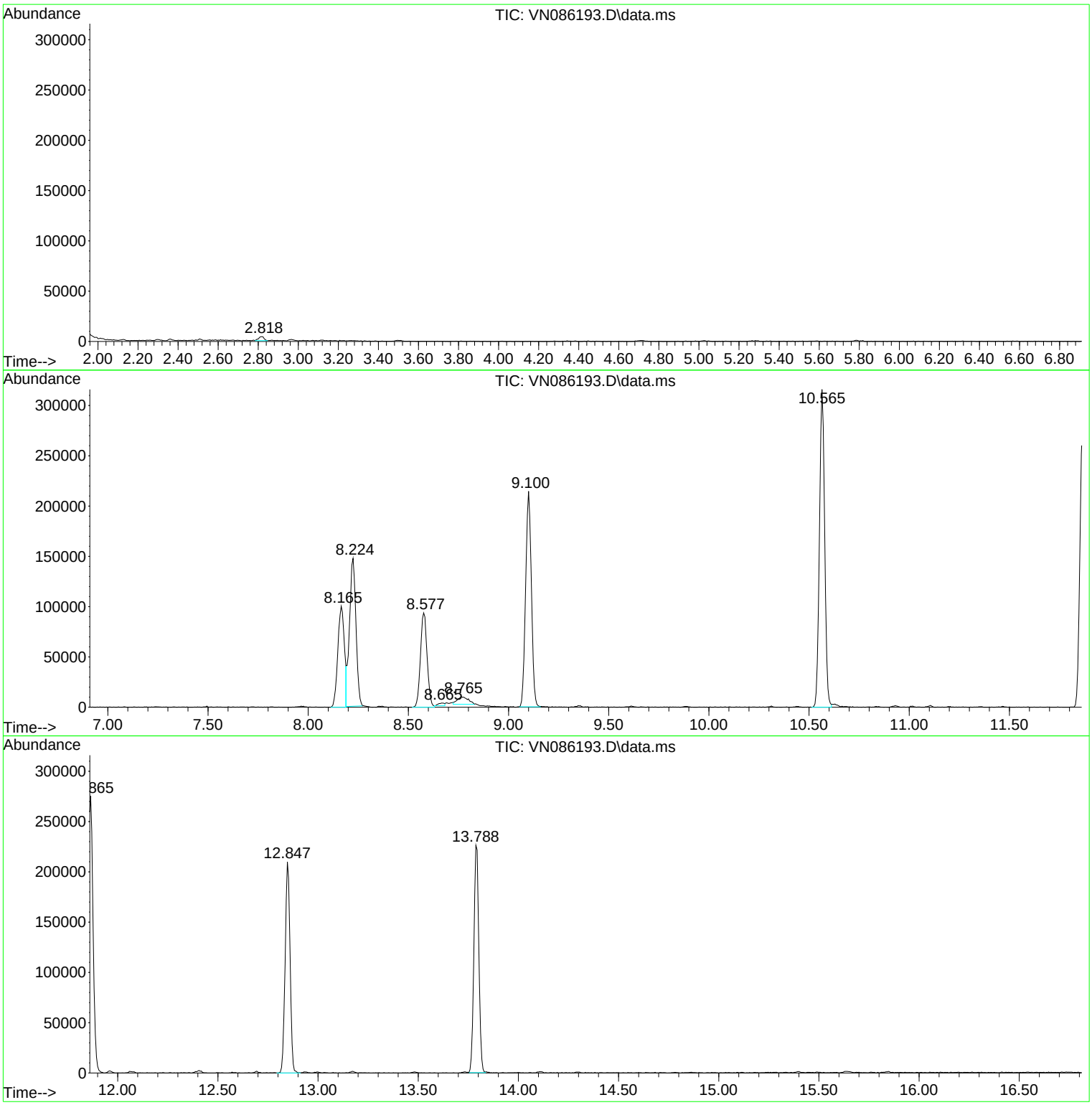
Sum of corrected areas: 3048638

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.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_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	124765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	197440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	188658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	88944	52.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.120%			
35) Dibromofluoromethane	8.165	113	68069	49.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	10.565	98	248615	49.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.847	95	91284	51.176	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40556	24.536	ug/l	98
3) Chloromethane	2.359	50	28996	20.010	ug/l	97
4) Vinyl Chloride	2.512	62	32567	21.980	ug/l	99
5) Bromomethane	2.953	94	20347	20.161	ug/l #	77
6) Chloroethane	3.118	64	18693	19.999	ug/l	93
7) Trichlorofluoromethane	3.495	101	53834	20.212	ug/l	96
8) Diethyl Ether	3.965	74	13181	16.166	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	27519	19.440	ug/l	98
10) Methyl Iodide	4.589	142	32348	17.538	ug/l #	82
11) Tert butyl alcohol	5.524	59	20333	84.060	ug/l	99
12) 1,1-Dichloroethene	4.348	96	23281	18.214	ug/l	92
13) Acrolein	4.183	56	13313	51.602	ug/l	91
14) Allyl chloride	5.024	41	24353	15.272	ug/l	92
15) Acrylonitrile	5.718	53	54212	84.862	ug/l	98
16) Acetone	4.424	43	42813	82.025	ug/l	96
17) Carbon Disulfide	4.712	76	70649	16.807	ug/l	99
18) Methyl Acetate	5.024	43	21369	16.547	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	76425	18.246	ug/l	93
20) Methylene Chloride	5.277	84	27861	18.247	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	26530	18.992	ug/l	85
22) Diisopropyl ether	6.665	45	58841	17.315	ug/l	98
23) Vinyl Acetate	6.606	43	217474	84.422	ug/l	98
24) 1,1-Dichloroethane	6.565	63	45668	18.276	ug/l	98
25) 2-Butanone	7.483	43	63314	84.066	ug/l	93
26) 2,2-Dichloropropane	7.488	77	48649	20.222	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	29027	18.286	ug/l	99
28) Bromochloromethane	7.818	49	21651	20.450	ug/l	90
29) Tetrahydrofuran	7.836	42	40639	87.403	ug/l	92
30) Chloroform	7.965	83	55140	19.964	ug/l	99
31) Cyclohexane	8.253	56	36426	17.111	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	54519	20.852	ug/l	97
36) 1,1-Dichloropropene	8.371	75	35665	19.654	ug/l	99
37) Ethyl Acetate	7.565	43	25776	16.837	ug/l	98
38) Carbon Tetrachloride	8.359	117	52370	21.950	ug/l	97
39) Methylcyclohexane	9.600	83	32581	18.097	ug/l	96
40) Benzene	8.600	78	110022	19.314	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	12447	17.027	ug/l	#	91
42) 1,2-Dichloroethane	8.671	62	40799	20.555	ug/l		100
43) Isopropyl Acetate	8.688	43	50249	15.147	ug/l		95
44) Trichloroethene	9.353	130	27756	18.800	ug/l		99
45) 1,2-Dichloropropane	9.618	63	24894	19.214	ug/l		94
46) Dibromomethane	9.706	93	20918	20.529	ug/l		99
47) Bromodichloromethane	9.882	83	43923	20.626	ug/l		98
48) Methyl methacrylate	9.682	41	20258	18.506	ug/l		97
49) 1,4-Dioxane	9.688	88	10040	387.972	ug/l		91
51) 4-Methyl-2-Pentanone	10.441	43	143952	98.393	ug/l		99
52) Toluene	10.629	92	74584	21.333	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	39964	19.324	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	42797	19.613	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	27763	20.805	ug/l		96
56) Ethyl methacrylate	10.871	69	35888	19.705	ug/l		97
57) 1,3-Dichloropropane	11.159	76	45888	20.246	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	74119	106.866	ug/l		99
59) 2-Hexanone	11.194	43	107267	100.644	ug/l		98
60) Dibromochloromethane	11.359	129	36729	21.330	ug/l		96
61) 1,2-Dibromoethane	11.465	107	27453	20.039	ug/l		95
64) Tetrachloroethene	11.100	164	30094	19.997	ug/l		95
65) Chlorobenzene	11.888	112	79577	18.433	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	32796	20.436	ug/l		98
67) Ethyl Benzene	11.965	91	128684	18.635	ug/l		97
68) m/p-Xylenes	12.071	106	107795	39.715	ug/l		99
69) o-Xylene	12.400	106	49390	19.826	ug/l		97
70) Styrene	12.412	104	82905	19.484	ug/l		99
71) Bromoform	12.576	173	26515	19.765	ug/l	#	98
73) Isopropylbenzene	12.694	105	121830	17.656	ug/l		100
74) N-amyl acetate	12.494	43	38325	16.601	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	39762	17.033	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	39036m	17.256	ug/l		
77) Bromobenzene	12.976	156	33321	17.318	ug/l		99
78) n-propylbenzene	13.035	91	144762	18.527	ug/l		99
79) 2-Chlorotoluene	13.123	91	94739	18.255	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	110547	18.976	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	13286	15.527	ug/l		89
82) 4-Chlorotoluene	13.218	91	98122	18.385	ug/l		99
83) tert-Butylbenzene	13.435	119	86115	17.283	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	108868	18.528	ug/l		97
85) sec-Butylbenzene	13.612	105	119683	18.413	ug/l		100
86) p-Isopropyltoluene	13.729	119	100839	18.327	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	62468	18.012	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	64204	17.620	ug/l		98
89) n-Butylbenzene	14.053	91	76217	17.010	ug/l		98
90) Hexachloroethane	14.329	117	22577	17.783	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	61071	17.714	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8286	17.782	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	26735	15.422	ug/l		99
94) Hexachlorobutadiene	15.494	225	17415	17.316	ug/l		99
95) Naphthalene	15.635	128	71366	14.217	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	27926	16.977	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

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

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

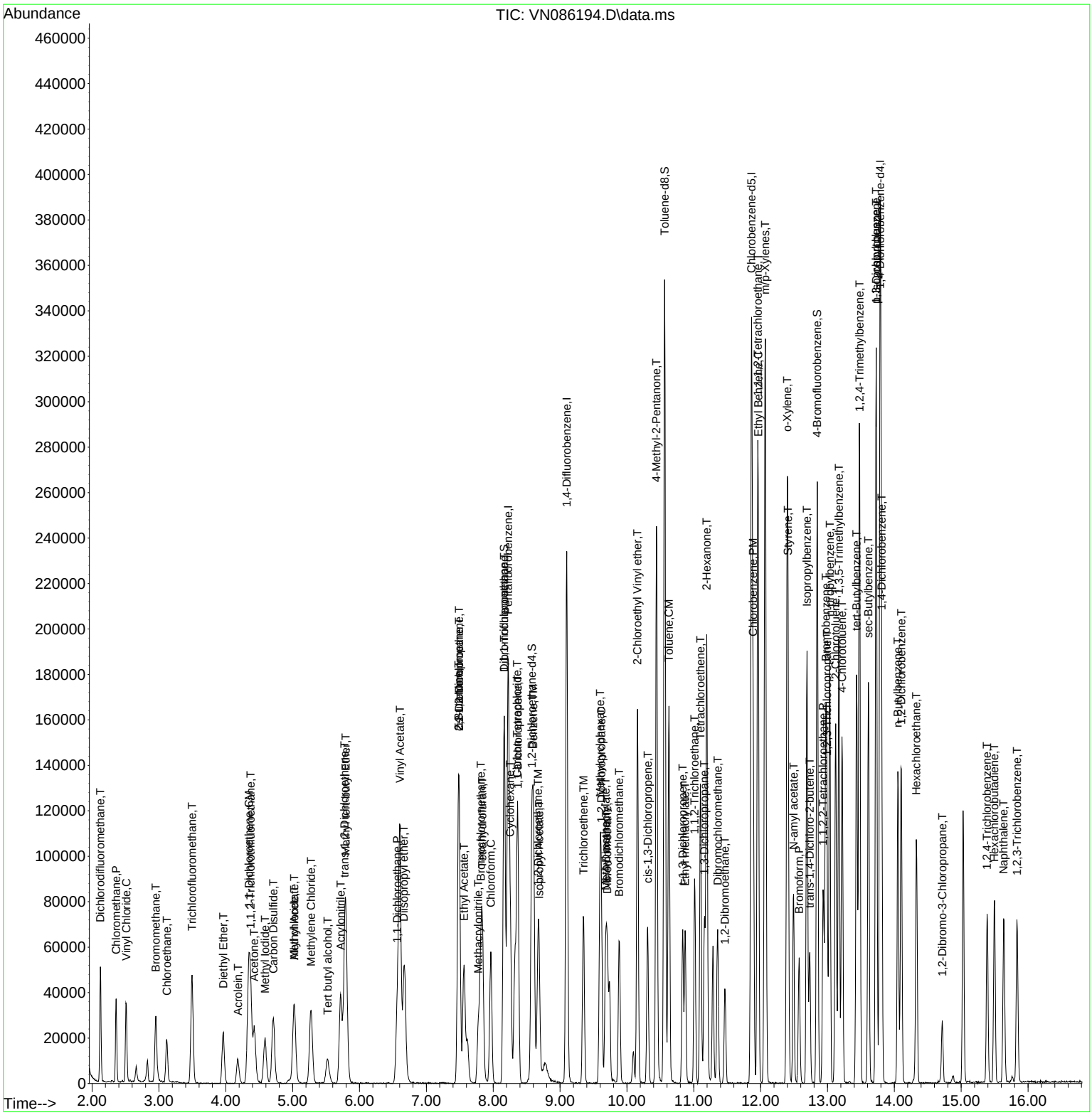
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	113137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	183169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	166660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	83687	54.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	8.165	113	60556	47.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.740%			
50) Toluene-d8	10.565	98	223904	48.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.500%			
62) 4-Bromofluorobenzene	12.847	95	79895	48.281	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	33760	22.523	ug/l	100
3) Chloromethane	2.359	50	28209	21.468	ug/l	93
4) Vinyl Chloride	2.512	62	27841	20.722	ug/l	97
5) Bromomethane	2.953	94	18876	20.625	ug/l	96
6) Chloroethane	3.118	64	15574	18.375	ug/l	96
7) Trichlorofluoromethane	3.500	101	42592	17.635	ug/l	96
8) Diethyl Ether	3.953	74	11148	15.078	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	21799	16.982	ug/l	98
10) Methyl Iodide	4.589	142	27896	16.678	ug/l	93
11) Tert butyl alcohol	5.524	59	16691	76.095	ug/l #	90
12) 1,1-Dichloroethene	4.347	96	17584	15.171	ug/l	96
13) Acrolein	4.183	56	10756	45.976	ug/l	95
14) Allyl chloride	5.018	41	20007	13.836	ug/l	93
15) Acrylonitrile	5.718	53	46094	79.571	ug/l	98
16) Acetone	4.424	43	35852	75.748	ug/l	95
17) Carbon Disulfide	4.712	76	55700	14.612	ug/l #	94
18) Methyl Acetate	5.018	43	19035	16.255	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	66821	17.593	ug/l	96
20) Methylene Chloride	5.277	84	23590	17.037	ug/l #	90
21) trans-1,2-Dichloroethene	5.794	96	20485	16.172	ug/l	89
22) Diisopropyl ether	6.671	45	49664	16.117	ug/l	97
23) Vinyl Acetate	6.600	43	185098	79.239	ug/l	94
24) 1,1-Dichloroethane	6.571	63	38444	16.966	ug/l	95
25) 2-Butanone	7.483	43	55521	81.296	ug/l	97
26) 2,2-Dichloropropane	7.488	77	38865	17.815	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	25048	17.401	ug/l	98
28) Bromochloromethane	7.812	49	20134	20.972	ug/l	99
29) Tetrahydrofuran	7.835	42	37016	87.793	ug/l	96
30) Chloroform	7.965	83	47939	19.140	ug/l	97
31) Cyclohexane	8.253	56	30558	15.830	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	46301	19.529	ug/l	96
36) 1,1-Dichloropropene	8.371	75	28262	16.788	ug/l	97
37) Ethyl Acetate	7.559	43	24418	17.193	ug/l	96
38) Carbon Tetrachloride	8.359	117	44022	19.888	ug/l	98
39) Methylcyclohexane	9.600	83	28388	16.997	ug/l	97
40) Benzene	8.600	78	97718	18.490	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	11516	16.981	ug/l		98
42) 1,2-Dichloroethane	8.671	62	37024	20.106	ug/l		100
43) Isopropyl Acetate	8.682	43	46177	15.004	ug/l		95
44) Trichloroethene	9.353	130	24073	17.575	ug/l		91
45) 1,2-Dichloropropane	9.618	63	22945	19.089	ug/l		97
46) Dibromomethane	9.706	93	18995	20.094	ug/l		98
47) Bromodichloromethane	9.882	83	40332	20.415	ug/l		98
48) Methyl methacrylate	9.677	41	17335	17.069	ug/l		91
49) 1,4-Dioxane	9.694	88	9146	380.962	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	130353	96.040	ug/l		97
52) Toluene	10.624	92	63760	19.658	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	37143	19.359	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	37925	18.735	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	24452	19.752	ug/l		98
56) Ethyl methacrylate	10.871	69	30960	18.441	ug/l	#	95
57) 1,3-Dichloropropane	11.159	76	40240	19.137	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	60080	94.789	ug/l		99
59) 2-Hexanone	11.194	43	92497	93.547	ug/l		96
60) Dibromochloromethane	11.353	129	32757	20.505	ug/l		97
61) 1,2-Dibromoethane	11.465	107	24999	19.670	ug/l		99
64) Tetrachloroethene	11.100	164	25293	19.025	ug/l		92
65) Chlorobenzene	11.888	112	67422	17.679	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	27197	19.184	ug/l		98
67) Ethyl Benzene	11.959	91	103947	17.039	ug/l		99
68) m/p-Xylenes	12.070	106	84055	35.056	ug/l		96
69) o-Xylene	12.394	106	39205	17.815	ug/l		97
70) Styrene	12.412	104	67805	18.039	ug/l		99
71) Bromoform	12.576	173	22734	19.183	ug/l	#	99
73) Isopropylbenzene	12.694	105	98386	16.548	ug/l		99
74) N-amyl acetate	12.494	43	33437	16.809	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	34314	17.059	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	33882m	17.382	ug/l		
77) Bromobenzene	12.976	156	29628	17.871	ug/l		93
78) n-propylbenzene	13.029	91	116395	17.288	ug/l		99
79) 2-Chlorotoluene	13.123	91	76707	17.153	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	87826	17.496	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	10739	14.566	ug/l	#	79
82) 4-Chlorotoluene	13.217	91	79137	17.209	ug/l		99
83) tert-Butylbenzene	13.435	119	69288	16.139	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	88991	17.577	ug/l		100
85) sec-Butylbenzene	13.612	105	95320	17.019	ug/l		97
86) p-Isopropyltoluene	13.723	119	79828	16.838	ug/l		96
87) 1,3-Dichlorobenzene	13.729	146	51831	17.345	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	51399	16.371	ug/l		97
89) n-Butylbenzene	14.053	91	59567	15.429	ug/l		99
90) Hexachloroethane	14.329	117	17296	15.810	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	49784	16.758	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6991	17.411	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	22364	14.972	ug/l		98
94) Hexachlorobutadiene	15.494	225	14546	16.785	ug/l		99
95) Naphthalene	15.635	128	63201	14.612	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	22147	15.626	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

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

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

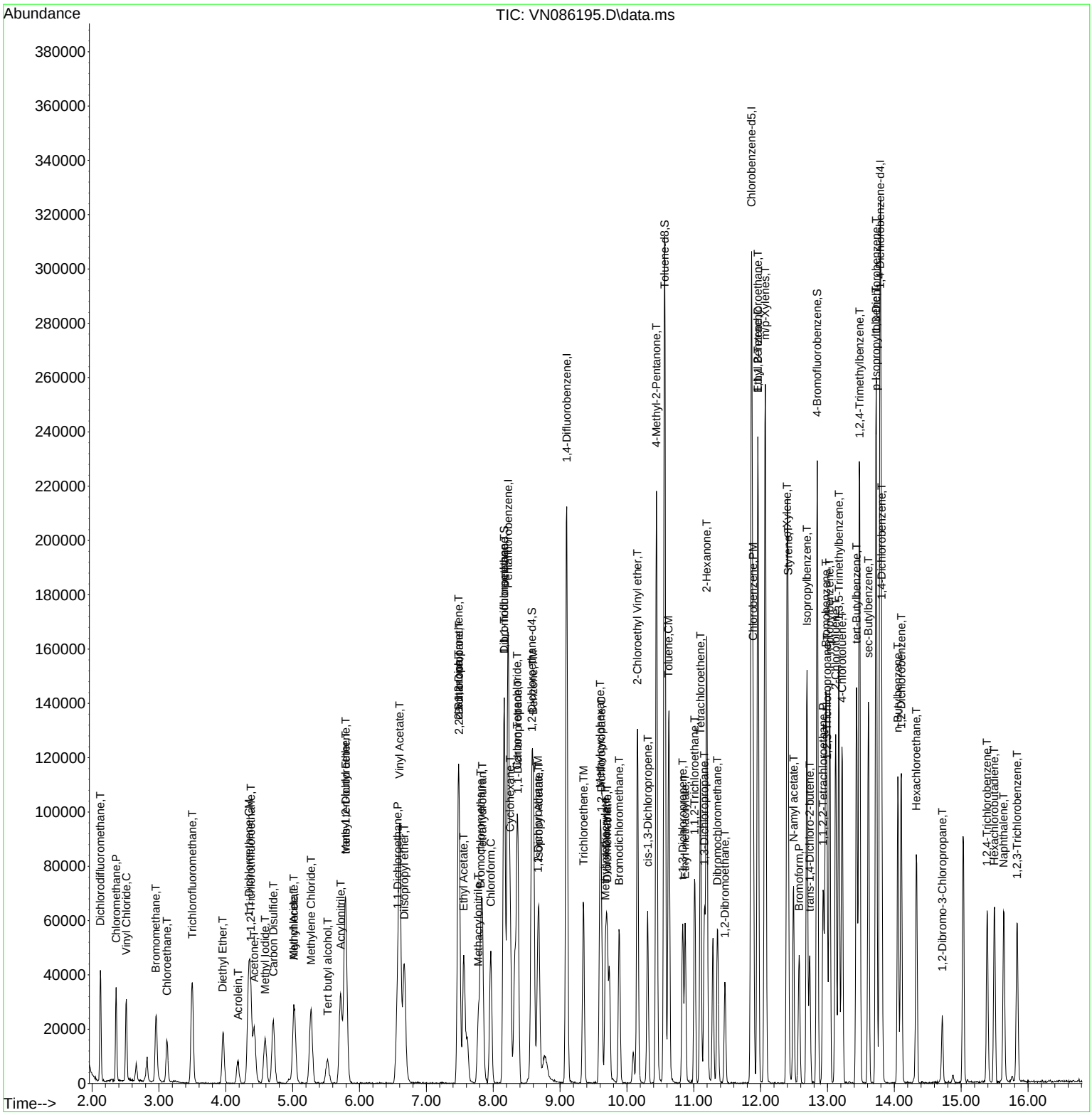
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn040125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086191.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:34 PM	MMDadoda	4/2/2025 2:15:48 PM	Peak Integrated by Software
VN0401WBS01	VN086194.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:35 PM	MMDadoda	4/2/2025 2:15:27 PM	Peak Integrated by Software
VN0401WBSD01	VN086195.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:46 PM	MMDadoda	4/2/2025 2:15:29 PM	Peak Integrated by Software
VSTDCCC050	VN086199.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:56 PM	MMDadoda	4/2/2025 2:15:42 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN040125

Review By	John Carlone	Review On	4/2/2025 9:47:49 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:02 PM		
SubDirectory	VN040125	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133553
Initial Calibration Stds	
CCC	VP133554,VP133558
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086190.D	01 Apr 2025 11:41	JC\MD	Ok
2	VSTDCCC050	VN086191.D	01 Apr 2025 12:30	JC\MD	Ok,M
3	VN0401MBL01	VN086192.D	01 Apr 2025 13:05	JC\MD	Ok
4	VN0401WBL01	VN086193.D	01 Apr 2025 13:29	JC\MD	Ok
5	VN0401WBS01	VN086194.D	01 Apr 2025 13:54	JC\MD	Ok,M
6	VN0401WBSD01	VN086195.D	01 Apr 2025 14:48	JC\MD	Ok,M
7	Q1659-01	VN086196.D	01 Apr 2025 15:13	JC\MD	Ok
8	Q1659-02	VN086197.D	01 Apr 2025 15:37	JC\MD	Not Ok
9	Q1690-01	VN086198.D	01 Apr 2025 16:01	JC\MD	Ok
10	VSTDCCC050	VN086199.D	01 Apr 2025 16:35	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN040125

Review By	John Carlone	Review On	4/2/2025 9:47:49 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:02 PM		
SubDirectory	VN040125	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133553
Initial Calibration Stds	
CCC	VP133554,VP133558
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	VN086190.D	01 Apr 2025 11:41		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086191.D	01 Apr 2025 12:30	pH#Lot#V12668	JC\MD	Ok,M
3	VN0401MBL01	VN0401MBL01	VN086192.D	01 Apr 2025 13:05		JC\MD	Ok
4	VN0401WBL01	VN0401WBL01	VN086193.D	01 Apr 2025 13:29		JC\MD	Ok
5	VN0401WBS01	VN0401WBS01	VN086194.D	01 Apr 2025 13:54		JC\MD	Ok,M
6	VN0401WBSD01	VN0401WBSD01	VN086195.D	01 Apr 2025 14:48		JC\MD	Ok,M
7	Q1659-01	3808	VN086196.D	01 Apr 2025 15:13	vial A pH<2	JC\MD	Ok
8	Q1659-02	3809	VN086197.D	01 Apr 2025 15:37	RT Shifted ;Internal Standards fail,surrogate fail;Need Straight Run	JC\MD	Not Ok
9	Q1690-01	MW112010	VN086198.D	01 Apr 2025 16:01	vial A pH<2	JC\MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VN086199.D	01 Apr 2025 16:35		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1690	**OrderDate:**	4/1/2025 12:32:10 PM
Client:	G Environmental	**Project:**	TGP
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	**MW112010**	**Water**			**03/31/25**			**04/01/25**
			VOC-TCLVOA-10	8260D			04/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1690

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MW112010**								
Q1690-01	MW112010	WATER	1-Docosene	*	10.600	J	0	0	ug/L
Q1690-01	MW112010	WATER	1-Propanol, 3,3-oxybis-	*	2.600	J	0	0	ug/L
Q1690-01	MW112010	WATER	2,5,8,11,14,17-Hexaoxanonadecar	*	2.700	J	0	0	ug/L
Q1690-01	MW112010	WATER	2,5,8,11-Tetraoxadodecane	*	10.000	J	0	0	ug/L
Q1690-01	MW112010	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/L
Q1690-01	MW112010	WATER	2-Pentanone, 4-methoxy-4-methyl	*	4.000	JB	0	0	ug/L
Q1690-01	MW112010	WATER	2-Propanol, 1-(2-butoxy-1-methyl	*	2.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Benzophenone	*	7.300	J	0	0	ug/L
Q1690-01	MW112010	WATER	Decaethylene glycol, monomethyl	*	2.600	J	0	0	ug/L
Q1690-01	MW112010	WATER	Ethane, 1,1-oxybis[2-methoxy-	*	6.400	J	0	0	ug/L
Q1690-01	MW112010	WATER	Ethanol, 2-[2-(2-methoxyethoxy)e	*	3.100	J	0	0	ug/L
Q1690-01	MW112010	WATER	Hexaethylene glycol dimethyl eth	*	3.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Methyl 13-methyltetradecanoate	*	2.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Methyl 2,5,8,11,14,17-hexaoxanoi	*	2.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Tetraglyme	*	7.800	J	0	0	ug/L
Q1690-01	MW112010	WATER	Tri(1,2-propyleneglycol), monom	*	3.000	J	0	0	ug/L
Q1690-01	MW112010	WATER	Tridecanoic acid, methyl ester	*	5.300	J	0	0	ug/L
			Total Tics :		**305.20**				
			Total Concentration:		**305.20**				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	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
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	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
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	UQ	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	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
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	UQ	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	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

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	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
534-52-1	4,6-Dinitro-2-methylphenol	2.90	UQ	2.90	10.0	ug/L
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	UQ	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	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	UQ	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

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	0.035	*	15 (10) - 110 (139)	0%	SPK: 150
13127-88-3	Phenol-d6	0.026	*	15 (10) - 110 (134)	0%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.2		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.7		30 (52) - 130 (132)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	0.055	*	15 (44) - 110 (137)	0%	SPK: 150
1718-51-0	Terphenyl-d14	87.4		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	26500	7.856			
1146-65-2	Naphthalene-d8	122000	10.647			
15067-26-2	Acenaphthene-d10	100000	14.484			
1517-22-2	Phenanthrene-d10	228000	17.222			
1719-03-5	Chrysene-d12	227000	21.452			
1520-96-3	Perylene-d12	247000	24.461			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.99	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	4.00	JB		6.05	ug/L
000112-35-6	Ethanol, 2-[2-(2-methoxyethoxy)eth	3.10	J		10.8	ug/L
000111-96-6	Ethane, 1,1-oxybis[2-methoxy-	6.40	J		11.3	ug/L
1000352-12-0	Decaethylene glycol, monomethyl et	2.60	J		11.5	ug/L
1000262-26-6	Tri(1,2-propyleneglycol), monometh	3.00	J		11.8	ug/L
1000366-81-4	Methyl 2,5,8,11,14,17-hexaoxanonad	2.20	J		11.9	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
023601-40-3	2,5,8,11,14,17-Hexaoxanonadecan-19	2.70	J		14.3	ug/L
000112-49-2	2,5,8,11-Tetraoxadodecane	10.0	J		14.6	ug/L
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	2.20	J		14.7	ug/L
000119-61-9	Benzophenone	7.30	J		15.8	ug/L
000143-24-8	Tetraglyme	7.80	J		17.0	ug/L
002396-61-4	1-Propanol, 3,3-oxybis-	2.60	J		17.1	ug/L
001731-88-0	Tridecanoic acid, methyl ester	5.30	J		17.9	ug/L
001072-40-8	Hexaethylene glycol dimethyl ether	3.20	J		18.9	ug/L
1000424-50-7	Methyl 13-methyltetradecanoate	2.20	J		19.2	ug/L
001599-67-3	1-Docosene	10.6	J		21.1	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

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167451BL	PB167451BL	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	140	93		15 (10)	110 (134)
		Nitrobenzene-d5	100	103	103		30 (49)	130 (133)
		2-Fluorobiphenyl	100	86.2	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	168	112	*	15 (44)	110 (137)
		Terphenyl-d14	100	94.2	94		30 (48)	130 (125)
PB167451BS	PB167451BS	2-Fluorophenol	150	154	103		15 (10)	110 (139)
		Phenol-d6	150	153	102		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.7	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	187	125	*	15 (44)	110 (137)
		Terphenyl-d14	100	103	103		30 (48)	130 (125)
PB167451BSD	PB167451BSD	2-Fluorophenol	150	151	101		15 (10)	110 (139)
		Phenol-d6	150	148	98		15 (10)	110 (134)
		Nitrobenzene-d5	100	106	106		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.6	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	186	124	*	15 (44)	110 (137)
		Terphenyl-d14	100	100	100		30 (48)	130 (125)
Q1690-01	MW112010	2-Fluorophenol	150	0.035	0	*	15 (10)	110 (139)
		Phenol-d6	150	0.026	0	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	84.2	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.7	77		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	0.055	0	*	15 (44)	110 (137)
		Terphenyl-d14	100	87.4	87		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064175.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167451BS	Benzaldehyde	50	42.3	ug/L	85				20 (10)	160 (162)	
	Phenol	50	53.4	ug/L	107				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	46.6	ug/L	93				70 (62)	130 (103)	
	2-Chlorophenol	50	54.5	ug/L	109				70 (70)	130 (117)	
	2-Methylphenol	50	56.5	ug/L	113				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	48.1	ug/L	96				70 (65)	130 (100)	
	Acetophenone	50	48.0	ug/L	96				70 (60)	130 (104)	
	3+4-Methylphenols	50	57.8	ug/L	116				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	50.4	ug/L	101				70 (57)	130 (107)	
	Hexachloroethane	50	53.1	ug/L	106				20 (76)	160 (118)	
	Nitrobenzene	50	53.7	ug/L	107				70 (58)	130 (106)	
	Isophorone	50	52.8	ug/L	106				70 (61)	130 (102)	
	2-Nitrophenol	50	63.6	ug/L	127				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	82.5	ug/L	165		*		70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	49.6	ug/L	99				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	60.4	ug/L	121				70 (66)	130 (115)	
	Naphthalene	50	48.7	ug/L	97				70 (64)	130 (107)	
	4-Chloroaniline	50	12.3	ug/L	25		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	52.4	ug/L	105				70 (69)	130 (101)	
	Caprolactam	50	57.6	ug/L	115				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	61.8	ug/L	124				70 (65)	130 (114)	
	2-Methylnaphthalene	50	46.9	ug/L	94				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	250	ug/L	250		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	57.4	ug/L	115				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	58.4	ug/L	117				70 (70)	130 (106)	
	1,1-Biphenyl	50	48.6	ug/L	97				70 (72)	130 (98)	
	2-Chloronaphthalene	50	48.7	ug/L	97				70 (59)	130 (106)	
	2-Nitroaniline	50	56.7	ug/L	113				70 (73)	130 (114)	
	Dimethylphthalate	50	51.0	ug/L	102				70 (64)	130 (103)	
	Acenaphthylene	50	53.6	ug/L	107				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	55.1	ug/L	110				70 (64)	130 (110)	
	3-Nitroaniline	50	21.9	ug/L	44		*		70 (28)	130 (100)	
	Acenaphthene	50	48.8	ug/L	98				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	160	ug/L	160				20 (36)	160 (166)	
	4-Nitrophenol	100	130	ug/L	130				20 (45)	160 (147)	
	Dibenzofuran	50	48.7	ug/L	97				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	59.6	ug/L	119				70 (60)	130 (115)	
	Diethylphthalate	50	52.2	ug/L	104				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	50.9	ug/L	102				70 (61)	130 (104)	
	Fluorene	50	51.1	ug/L	102				70 (64)	130 (107)	
	4-Nitroaniline	50	55.7	ug/L	111				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	68.5	ug/L	137		*		70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	51.5	ug/L	103				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	52.3	ug/L	105				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064175.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167451BS	Hexachlorobenzene	50	51.0	ug/L	102				70 (73)	130 (106)	
	Atrazine	50	71.5	ug/L	143		*		70 (76)	130 (120)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	50.5	ug/L	101				70 (62)	130 (109)	
	Anthracene	50	51.9	ug/L	104				70 (65)	130 (110)	
	Carbazole	50	50.5	ug/L	101				70 (62)	130 (106)	
	Di-n-butylphthalate	50	53.0	ug/L	106				70 (64)	130 (106)	
	Fluoranthene	50	49.0	ug/L	98				70 (64)	130 (110)	
	Pyrene	50	51.4	ug/L	103				70 (71)	130 (103)	
	Butylbenzylphthalate	50	57.7	ug/L	115				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	27.1	ug/L	54		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	52.5	ug/L	105				70 (62)	130 (107)	
	Chrysene	50	49.6	ug/L	99				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	60.4	ug/L	121				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	59.7	ug/L	119				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	50.5	ug/L	101				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	50.2	ug/L	100				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.0	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	54.7	ug/L	109				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	53.9	ug/L	108				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	50.6	ug/L	101				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	47.7	ug/L	95				70 (72)	130 (101)	
	1,4-Dioxane	50	28.4	ug/L	57				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	60.2	ug/L	120				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064176.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167451BSD	Benzaldehyde	50	40.3	ug/L	81	5			20 (10)	160 (162)	20 (20)
	Phenol	50	52.9	ug/L	106	1			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.8	ug/L	90	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	54.5	ug/L	109	0			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	56.9	ug/L	114	1			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	47.8	ug/L	96	1			70 (65)	130 (100)	20 (20)
	Acetophenone	50	45.8	ug/L	92	5			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	56.8	ug/L	114	2			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	50.1	ug/L	100	1			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	53.7	ug/L	107	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	52.6	ug/L	105	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	49.5	ug/L	99	6			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	61.9	ug/L	124	3			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	76.6	ug/L	153	7	*		70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	47.7	ug/L	95	4			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	58.2	ug/L	116	4			70 (66)	130 (115)	20 (20)
	Naphthalene	50	47.1	ug/L	94	3			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	11.4	ug/L	23	8	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	50.5	ug/L	101	4			70 (69)	130 (101)	20 (20)
	Caprolactam	50	58.1	ug/L	116	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	58.0	ug/L	116	6			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	45.7	ug/L	91	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	250	ug/L	250	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	56.9	ug/L	114	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	57.3	ug/L	115	2			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	47.5	ug/L	95	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	49.0	ug/L	98	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	56.2	ug/L	112	1			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	50.7	ug/L	101	1			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	53.7	ug/L	107	0			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	53.6	ug/L	107	3			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	21.8	ug/L	44	0	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	47.3	ug/L	95	3			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	160	ug/L	160	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	130	ug/L	130	0			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	47.9	ug/L	96	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	61.5	ug/L	123	3			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	51.3	ug/L	103	2			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	51.2	ug/L	102	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	50.8	ug/L	102	1			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	55.2	ug/L	110	1			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	70.7	ug/L	141	3	*		70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	51.4	ug/L	103	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	52.9	ug/L	106	1			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064176.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167451BSD	Hexachlorobenzene	50	52.4	ug/L	105	3			70 (73)	130 (106)	20 (20)
	Atrazine	50	71.7	ug/L	143	0	*		70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	110	ug/L	110	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	50.9	ug/L	102	1			70 (62)	130 (109)	20 (20)
	Anthracene	50	53.4	ug/L	107	3			70 (65)	130 (110)	20 (20)
	Carbazole	50	51.8	ug/L	104	3			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	52.9	ug/L	106	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	49.6	ug/L	99	1			70 (64)	130 (110)	20 (20)
	Pyrene	50	49.8	ug/L	100	3			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	56.6	ug/L	113	2			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	25.4	ug/L	51	6	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	51.2	ug/L	102	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	48.3	ug/L	97	3			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	57.8	ug/L	116	4			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	58.3	ug/L	117	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	50.8	ug/L	102	1			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	49.1	ug/L	98	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	54.0	ug/L	108	2			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	54.1	ug/L	108	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	54.1	ug/L	108	0			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	49.8	ug/L	100	2			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.6	ug/L	91	5			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	30.1	ug/L	60	6			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	60.2	ug/L	120	0			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167451BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BG064174.D Lab Sample ID: PB167451BL

Instrument ID: BNA_G Date Extracted: 04/03/2025

Matrix: (soil/water) Water Date Analyzed: 04/03/2025

Level: (low/med) LOW Time Analyzed: 19:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167451BS	PB167451BS	BG064175.D	04/03/2025
PB167451BSD	PB167451BSD	BG064176.D	04/03/2025
MW112010	Q1690-01	BG064178.D	04/03/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	85.4
443	15.0 - 24.0% of mass 442	17.2 (20.2) 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	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BG064163.D DFTPP Injection Date: 04/03/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	56
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	48.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	81
443	15.0 - 24.0% of mass 442	16.4 (20.2) 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	BG064164.D	04/03/2025	13:04
PB167451BL	PB167451BL	BG064174.D	04/03/2025	19:58
PB167451BS	PB167451BS	BG064175.D	04/03/2025	20:38
PB167451BSD	PB167451BSD	BG064176.D	04/03/2025	21:19
MW112010	Q1690-01	BG064178.D	04/03/2025	22:40

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/03/2025

Lab File ID: BG064164.D Time Analyzed: 13:04

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	32960	7.856	151982	10.65	113011	14.48
	UPPER LIMIT	65920	8.356	303964	11.152	226022	14.983
	LOWER LIMIT	16480	7.356	75991	10.152	56505.5	13.983
	EPA SAMPLE NO.						
01	PB167451BL	27407	7.85	121488	10.65	99612	14.48
02	PB167451BS	27724	7.86	127043	10.65	99227	14.48
03	PB167451BSD	28303	7.86	133092	10.65	102019	14.48
04	MW112010	26545	7.86	122172	10.65	99976	14.48

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.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/03/2025

Lab File ID: BG064164.D Time Analyzed: 13:04

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	257861	17.227	259274	21.457	274699	24.471
	UPPER LIMIT	515722	17.727	518548	21.957	549398	24.971
	LOWER LIMIT	128931	16.727	129637	20.957	137350	23.971
	EPA SAMPLE NO.						
01	PB167451BL	240876	17.23	250147	21.45	267703	24.46
02	PB167451BS	235595	17.22	232442	21.46	250687	24.47
03	PB167451BSD	241112	17.23	247153	21.46	262161	24.47
04	MW112010	228491	17.22	227158	21.45	246565	24.46

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BL	SDG No.:	Q1690
Lab Sample ID:	PB167451BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	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
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	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
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	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
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	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
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BL	SDG No.:	Q1690
Lab Sample ID:	PB167451BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	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
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
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
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BL	SDG No.:	Q1690
Lab Sample ID:	PB167451BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	140		15 (10) - 110 (134)	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		30 (49) - 130 (133)	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.2		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168	*	15 (44) - 110 (137)	112%	SPK: 150
1718-51-0	Terphenyl-d14	94.2		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	27400	7.853			
1146-65-2	Naphthalene-d8	121000	10.65			
15067-26-2	Acenaphthene-d10	99600	14.481			
1517-22-2	Phenanthrene-d10	241000	17.225			
1719-03-5	Chrysene-d12	250000	21.449			
1520-96-3	Perylene-d12	268000	24.463			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	25.9	A		4.98	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	4.40	J		6.05	ug/L

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167451BL			SDG No.:	Q1690
Lab Sample ID:	PB167451BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

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:	TGP	Date Received:	
Client Sample ID:	PB167451BS	SDG No.:	Q1690
Lab Sample ID:	PB167451BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064175.D	1	04/03/25 10:10	04/03/25 20:38	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	42.3		3.90	10.0	ug/L
108-95-2	Phenol	53.4		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.6		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	54.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	56.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.1		1.30	5.00	ug/L
98-86-2	Acetophenone	48.0		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	57.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.4		1.40	2.50	ug/L
67-72-1	Hexachloroethane	53.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	53.7		0.76	5.00	ug/L
78-59-1	Isophorone	52.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	63.6		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	82.5	E	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	60.4		0.52	5.00	ug/L
91-20-3	Naphthalene	48.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	12.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	52.4		0.54	5.00	ug/L
105-60-2	Caprolactam	57.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	61.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.9		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	250	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	57.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	58.4		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	48.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	48.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	56.7		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	51.0		0.61	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BS	SDG No.:	Q1690
Lab Sample ID:	PB167451BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064175.D	1	04/03/25 10:10	04/03/25 20:38	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	53.6		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	55.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	21.9		1.10	5.00	ug/L
83-32-9	Acenaphthene	48.8		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	160	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	130	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	48.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	59.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	52.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.9		0.68	5.00	ug/L
86-73-7	Fluorene	51.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	55.7		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	68.5		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	51.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	52.3		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	51.0		0.52	5.00	ug/L
1912-24-9	Atrazine	71.5		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	50.5		0.50	5.00	ug/L
120-12-7	Anthracene	51.9		0.61	5.00	ug/L
86-74-8	Carbazole	50.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	53.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	49.0		0.82	5.00	ug/L
129-00-0	Pyrene	51.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	57.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	27.1		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	52.5		0.45	5.00	ug/L
218-01-9	Chrysene	49.6		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	60.4		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	59.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.5		0.49	5.00	ug/L

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167451BS			SDG No.:	Q1690
Lab Sample ID:	PB167451BS			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BG064175.D	1	04/03/25 10:10	04/03/25 20:38	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	50.2		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.9		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	28.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	60.2		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	154		15 (10) - 110 (139)	103%	SPK: 150
13127-88-3	Phenol-d6	153		15 (10) - 110 (134)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.7		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	187	*	15 (44) - 110 (137)	125%	SPK: 150
1718-51-0	Terphenyl-d14	103		30 (48) - 130 (125)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	27700	7.856			
1146-65-2	Naphthalene-d8	127000	10.646			
15067-26-2	Acenaphthene-d10	99200	14.483			
1517-22-2	Phenanthrene-d10	236000	17.221			
1719-03-5	Chrysene-d12	232000	21.457			
1520-96-3	Perylene-d12	251000	24.465			

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:	TGP	Date Received:	
Client Sample ID:	PB167451BSD	SDG No.:	Q1690
Lab Sample ID:	PB167451BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064176.D	1	04/03/25 10:10	04/03/25 21:19	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	40.3		3.90	10.0	ug/L
108-95-2	Phenol	52.9		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.8		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	54.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	56.9		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.8		1.30	5.00	ug/L
98-86-2	Acetophenone	45.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	56.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	53.7		0.65	5.00	ug/L
98-95-3	Nitrobenzene	52.6		0.76	5.00	ug/L
78-59-1	Isophorone	49.5		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	61.9		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	76.6		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	47.7		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	58.2		0.52	5.00	ug/L
91-20-3	Naphthalene	47.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	11.4		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	50.5		0.54	5.00	ug/L
105-60-2	Caprolactam	58.1		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	58.0		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.7		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	250	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	56.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	57.3		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	47.5		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	49.0		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	56.2		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	50.7		0.61	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BSD	SDG No.:	Q1690
Lab Sample ID:	PB167451BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064176.D	1	04/03/25 10:10	04/03/25 21:19	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	53.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	21.8		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.3		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	160	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	130	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	47.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	61.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	51.3		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	51.2		0.68	5.00	ug/L
86-73-7	Fluorene	50.8		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	55.2		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	70.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	51.4		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	52.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	52.4		0.52	5.00	ug/L
1912-24-9	Atrazine	71.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	50.9		0.50	5.00	ug/L
120-12-7	Anthracene	53.4		0.61	5.00	ug/L
86-74-8	Carbazole	51.8		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.9		1.20	5.00	ug/L
206-44-0	Fluoranthene	49.6		0.82	5.00	ug/L
129-00-0	Pyrene	49.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.6		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	51.2		0.45	5.00	ug/L
218-01-9	Chrysene	48.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	58.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.8		0.49	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BSD	SDG No.:	Q1690
Lab Sample ID:	PB167451BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BG064176.D	1	04/03/25 10:10	04/03/25 21:19	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	54.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.1		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	54.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	49.8		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.6		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	30.1		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	60.2		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	151		15 (10) - 110 (139)	101%	SPK: 150
13127-88-3	Phenol-d6	148		15 (10) - 110 (134)	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		30 (49) - 130 (133)	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.6		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	186	*	15 (44) - 110 (137)	124%	SPK: 150
1718-51-0	Terphenyl-d14	100		30 (48) - 130 (125)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	28300	7.861			
1146-65-2	Naphthalene-d8	133000	10.646			
15067-26-2	Acenaphthene-d10	102000	14.483			
1517-22-2	Phenanthrene-d10	241000	17.226			
1719-03-5	Chrysene-d12	247000	21.457			
1520-96-3	Perylene-d12	262000	24.465			

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 GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88
41)	P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44
42)	S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12
43)	C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89
44)		2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98
45)	S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62
46)		1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29
47)		2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63
48)		2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14
49)		Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53
50)		Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73
51)		2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73
52)	C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77
53)		3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96
54)	P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25
55)		Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84
56)	P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47
57)		2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78
58)		Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79
59)		2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21
60)		Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06
61)		4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61
62)		4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67
63)		Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31
66)	c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06
67)		4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61
68)		Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45
69)		Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34
70)	C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58
71)		Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44
72)		Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55
73)		Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02
74)		Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90
75)	C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80
78)		Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63
79)	S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88
80)		Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44
81)		Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54
82)		3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27
83)		Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29
84)		Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90
85)	c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)		Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)		Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90)	C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)		Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)		Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

(#) = 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.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: BNA_G Calibration Date/Time: 04/03/2025 13:04

Lab File ID: BG064164.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.281	1.216		-5.1	
Benzaldehyde	1.013	0.930		-8.2	
Phenol-d6	1.742	1.737		-0.3	
Phenol	1.784	1.707		-4.3	20.0
bis(2-Chloroethyl)ether	1.399	1.271		-9.1	
2-Chlorophenol	1.376	1.358		-1.3	
2-Methylphenol	1.184	1.221		3.1	
2,2-oxybis(1-Chloropropane)	3.145	2.896		-7.9	
Acetophenone	0.548	0.522		-4.7	
3+4-Methylphenols	1.630	1.653		1.4	
n-Nitroso-di-n-propylamine	1.223	1.233	0.050	0.8	
Nitrobenzene-d5	0.362	0.386		6.6	
Hexachloroethane	0.542	0.568		4.8	
Nitrobenzene	0.374	0.395		5.6	
Isophorone	0.724	0.678		-6.4	
2-Nitrophenol	0.112	0.158		41.1	20.0
2,4-Dimethylphenol	0.217	0.222		2.3	
bis(2-Chloroethoxy)methane	0.439	0.418		-4.8	
2,4-Dichlorophenol	0.274	0.292		6.6	20.0
Naphthalene	1.078	1.071		-0.6	
4-Chloroaniline	0.394	0.399		1.3	
Hexachlorobutadiene	0.217	0.220		1.4	20.0
Caprolactam	0.105	0.111		5.7	
4-Chloro-3-methylphenol	0.359	0.397		10.6	20.0
2-Methylnaphthalene	0.761	0.798		4.9	
Hexachlorocyclopentadiene	0.161	0.224	0.050	39.1	
2,4,6-Trichlorophenol	0.337	0.362		7.4	20.0
2-Fluorobiphenyl	1.318	1.287		-2.4	
2,4,5-Trichlorophenol	0.374	0.411		9.9	
1,1-Biphenyl	1.511	1.451		-4.0	
2-Chloronaphthalene	1.102	1.045		-5.2	
2-Nitroaniline	0.318	0.396		24.5	
Dimethylphthalate	1.476	1.455		-1.4	
Acenaphthylene	1.743	1.673		-4.0	
2,6-Dinitrotoluene	0.261	0.309		18.4	
3-Nitroaniline	0.285	0.312		9.5	
Acenaphthene	1.170	1.118		-4.4	20.0
2,4-Dinitrophenol	0.102	0.153	0.050	50.0	
4-Nitrophenol	0.239	0.264	0.050	10.5	

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.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: BNA_G Calibration Date/Time: 04/03/2025 13:04

Lab File ID: BG064164.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.831		-3.4	
2,4-Dinitrotoluene	0.357	0.438		22.7	
Diethylphthalate	1.603	1.624		1.3	
4-Chlorophenyl-phenylether	0.733	0.722		-1.5	
Fluorene	1.476	1.455		-1.4	
4-Nitroaniline	0.308	0.341		10.7	
4,6-Dinitro-2-methylphenol	0.076	0.112		47.4	
n-Nitrosodiphenylamine	0.566	0.554		-2.1	20.0
2,4,6-Tribromophenol	0.222	0.261		17.6	
4-Bromophenyl-phenylether	0.205	0.211		2.9	
Hexachlorobenzene	0.229	0.230		0.4	
Atrazine	0.167	0.145		-13.2	
Pentachlorophenol	0.142	0.157		10.6	20.0
Phenanthrene	1.067	1.041		-2.4	
Anthracene	1.061	1.047		-1.3	
Carbazole	0.990	0.973		-1.7	
Di-n-butylphthalate	1.166	1.230		5.5	
Fluoranthene	1.286	1.246		-3.1	20.0
Pyrene	1.289	1.273		-1.2	
Terphenyl-d14	0.989	0.970		-1.9	
Butylbenzylphthalate	0.423	0.546		29.1	
3,3-Dichlorobenzidine	0.415	0.435		4.8	
Benzo(a)anthracene	1.281	1.251		-2.3	
Chrysene	1.278	1.204		-5.8	
Bis(2-ethylhexyl)phthalate	0.693	0.801		15.6	
Di-n-octyl phthalate	1.195	1.386		16.0	20.0
Benzo(b)fluoranthene	1.209	1.209		0.0	
Benzo(k)fluoranthene	1.213	1.121		-7.6	
Benzo(a)pyrene	1.077	1.056		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.318		-1.5	
Dibenzo(a,h)anthracene	1.109	1.111		0.2	
Benzo(g,h,i)perylene	1.139	1.104		-3.1	
1,2,4,5-Tetrachlorobenzene	0.571	0.557		-2.5	
1,4-Dioxane	0.580	0.514		-11.4	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.414		13.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Time: Apr 04 01:49:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.856	152	26545	20.000	ng	0.00
21) Naphthalene-d8	10.647	136	122172	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	99976	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	228491	20.000	ng	0.00
76) Chrysene-d12	21.452	240	227158	20.000	ng	0.00
86) Perylene-d12	24.461	264	246565	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.989	112	60	0.035	ng	-0.46
7) Phenol-d6	7.034	99	61	0.026	ng	0.00
23) Nitrobenzene-d5	9.008	82	186184	84.216	ng	0.00
42) 2,4,6-Tribromophenol	15.636	330	61	0.055	ng	-0.34
45) 2-Fluorobiphenyl	13.109	172	505056	76.680	ng	0.00
79) Terphenyl-d14	19.842	244	981941	87.405	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
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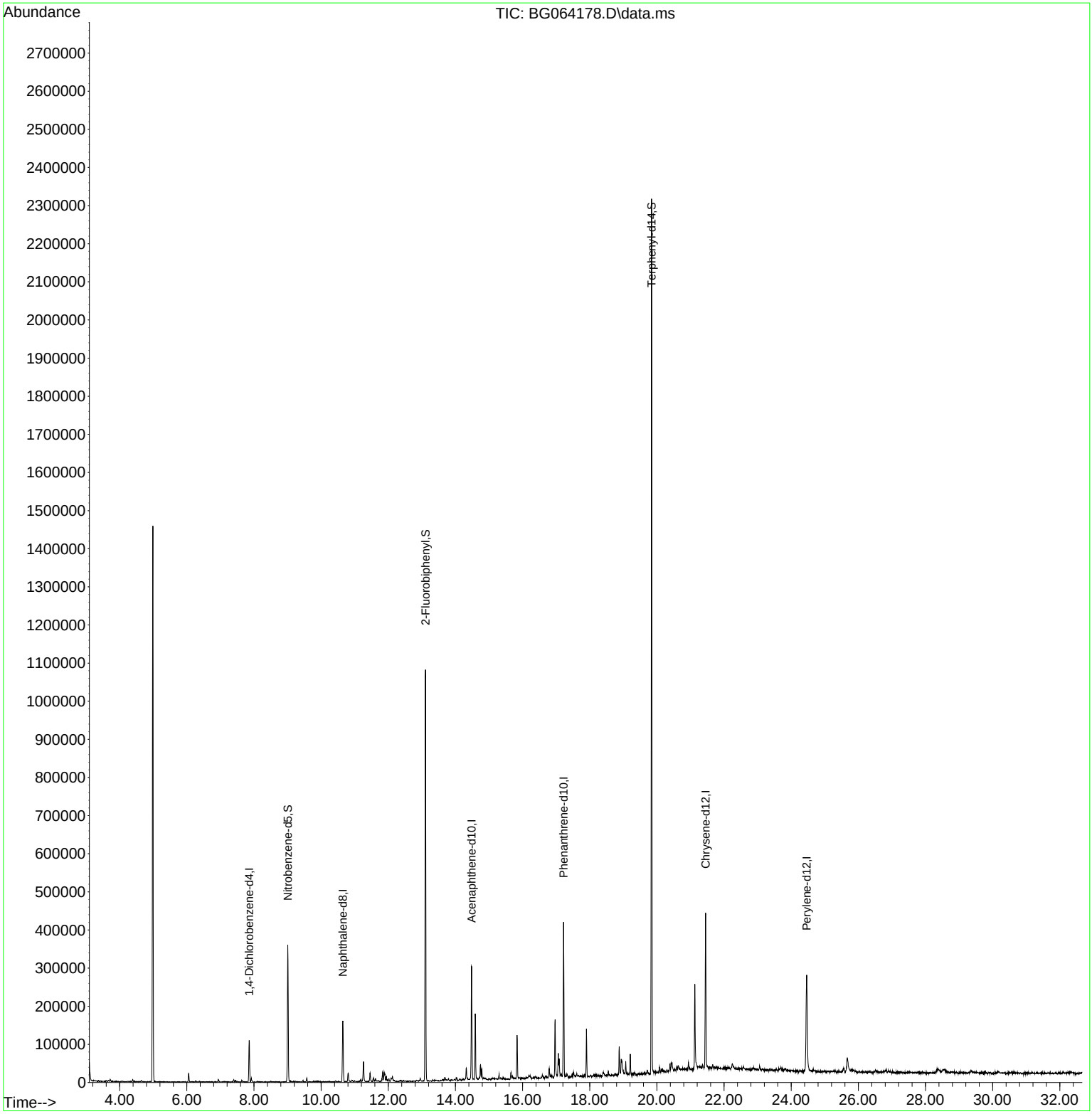
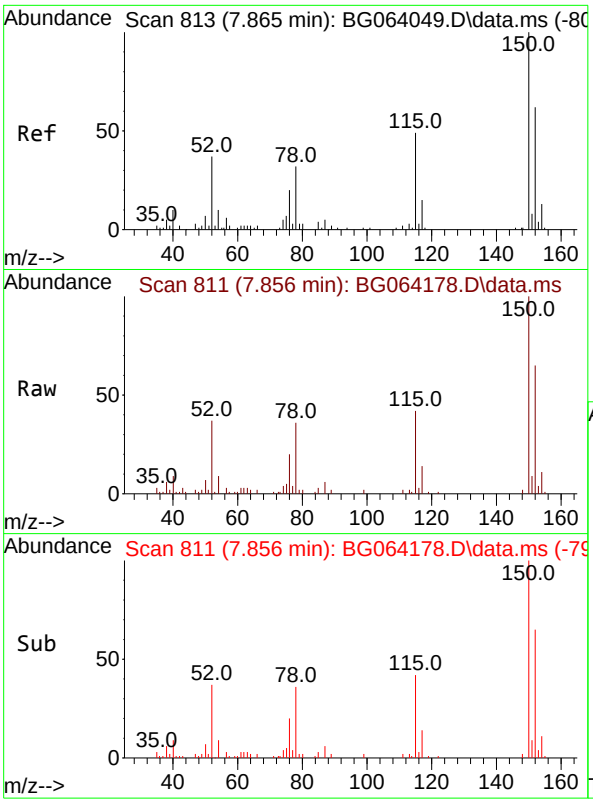
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



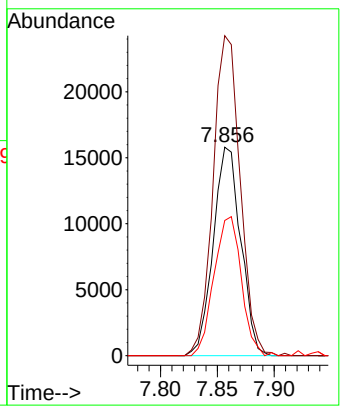
Instrument :
BNA_G
ClientSampleId :
MW112010

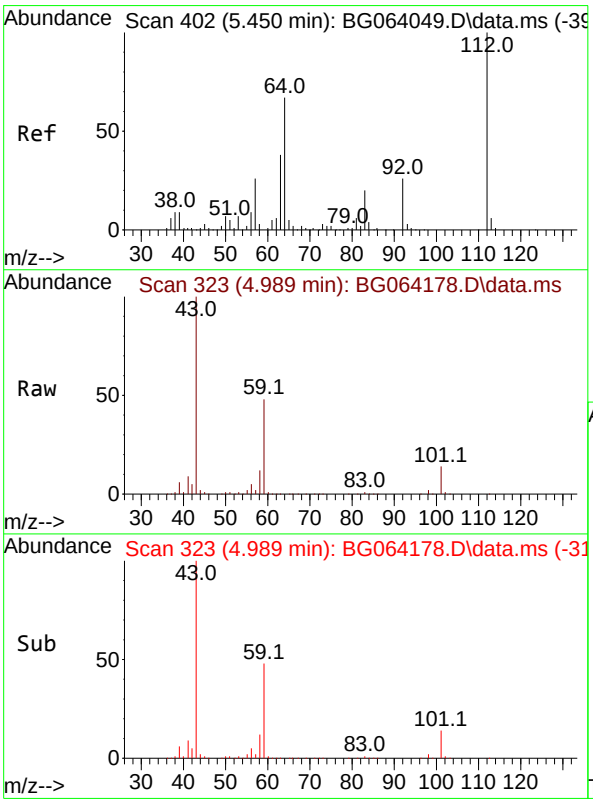


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.856 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:152 Resp: 26545

Ion	Ratio	Lower	Upper
152	100		
150	153.4	129.2	193.8
115	64.8	63.0	94.6

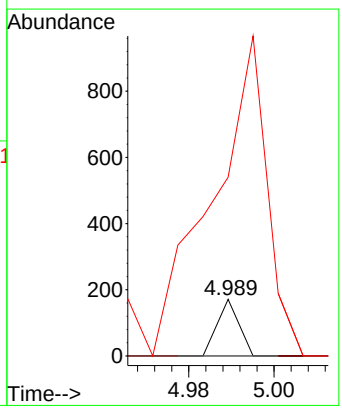


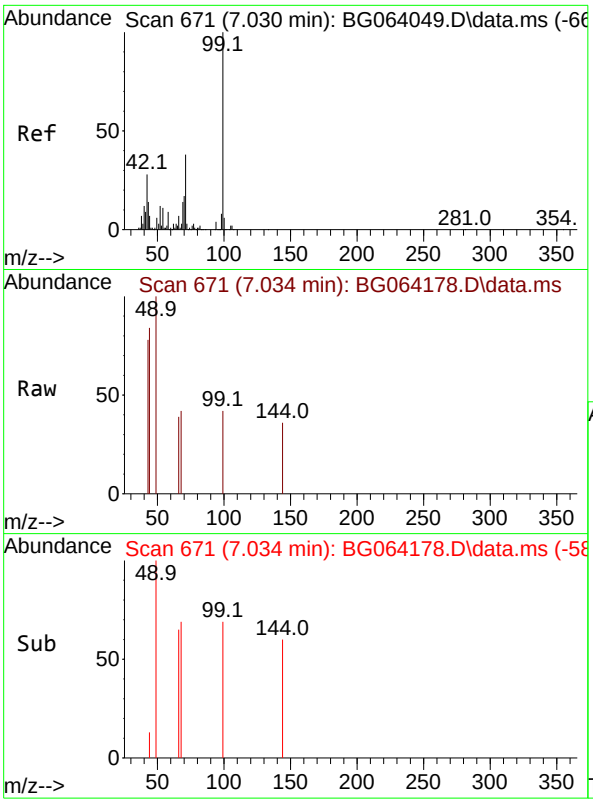


#5
2-Fluorophenol
Concen: 0.035 ng
RT: 4.989 min Scan# 323
Delta R.T. -0.461 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:112 Resp: 60

Ion	Ratio	Lower	Upper
112	100		
64	0.0	53.7	80.5#
63	315.8	30.2	45.4#



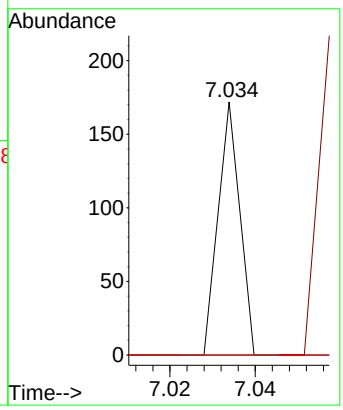


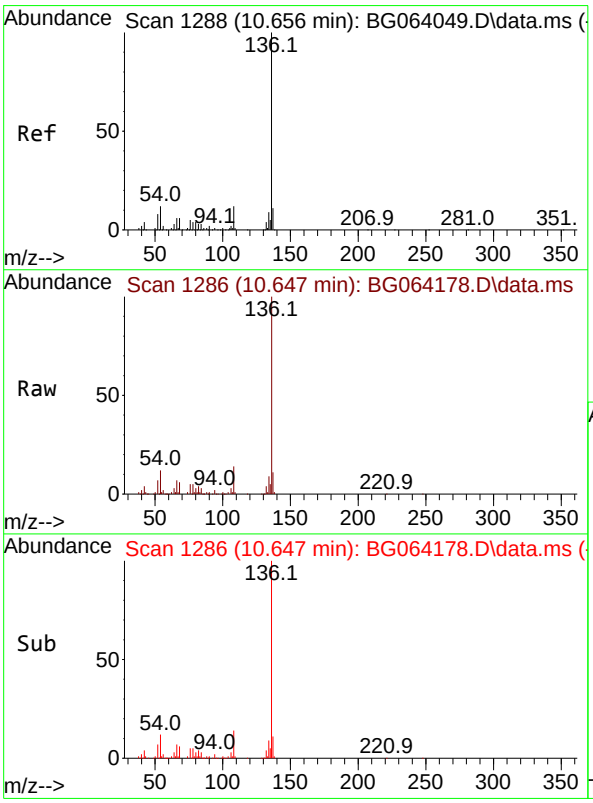
#7
Phenol-d6
Concen: 0.026 ng
RT: 7.034 min Scan# 6
Delta R.T. 0.003 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion: 99 Resp: 61

Ion	Ratio	Lower	Upper
99	100		
42	0.0	22.7	34.1#
71	0.0	30.6	46.0#

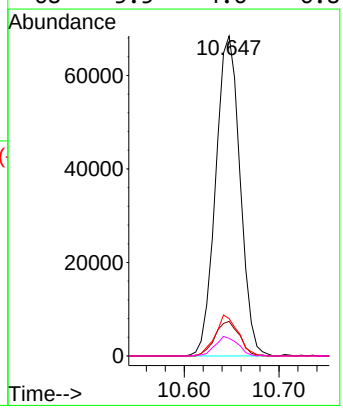


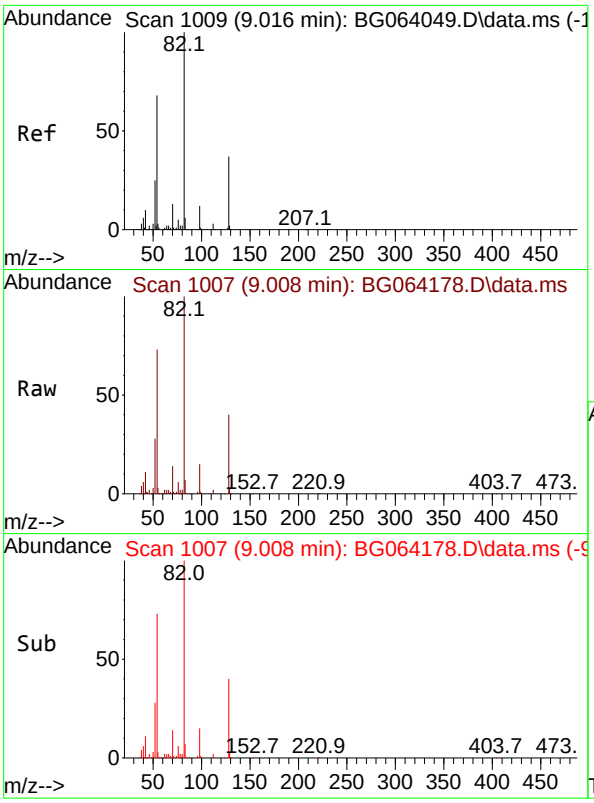


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.647 min Scan# 1286
Delta R.T. -0.009 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:136 Resp: 122172

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.7	9.9	14.9
68	5.5	4.6	6.8



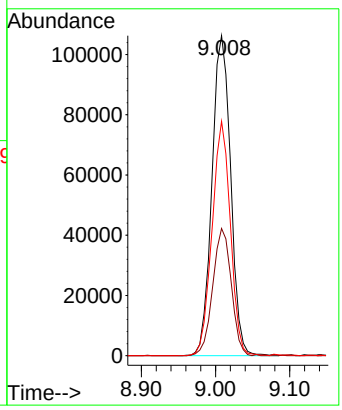


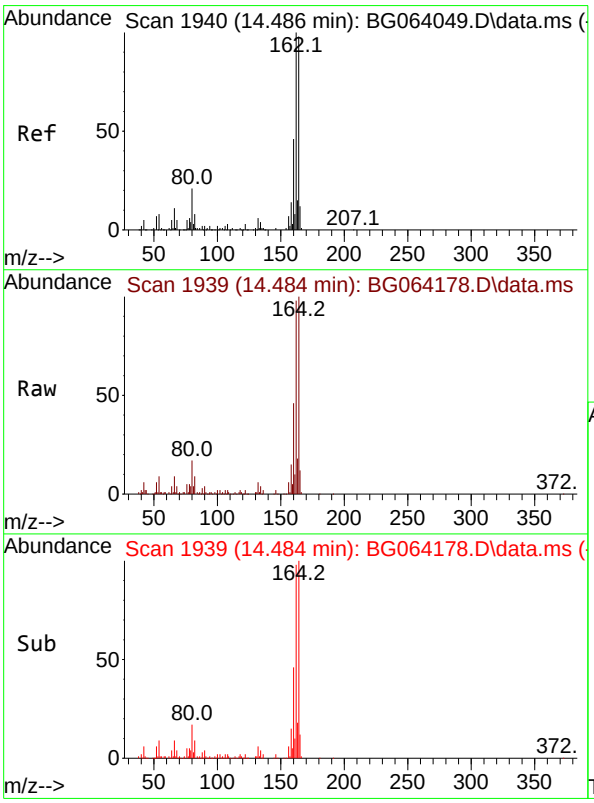
#23
Nitrobenzene-d5
Concen: 84.216 ng
RT: 9.008 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion: 82 Resp: 186184

Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.0	45.0
54	73.3	54.7	82.1

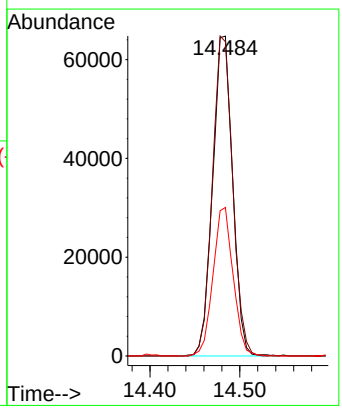




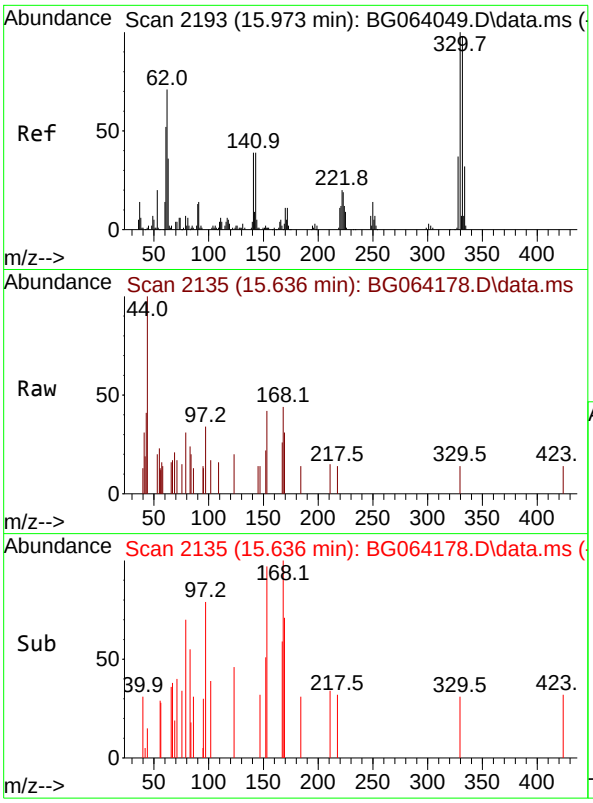
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1939
Delta R.T. -0.002 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:164 Resp: 99976

Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.4	122.0
160	46.4	37.0	55.6



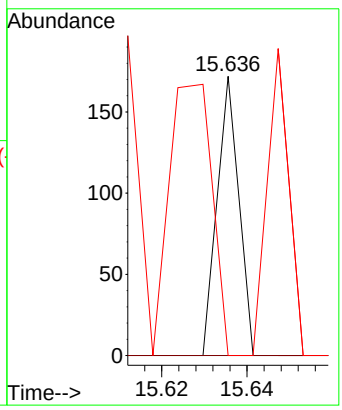
Instrument :
BNA_G
ClientSampleId :
MW112010

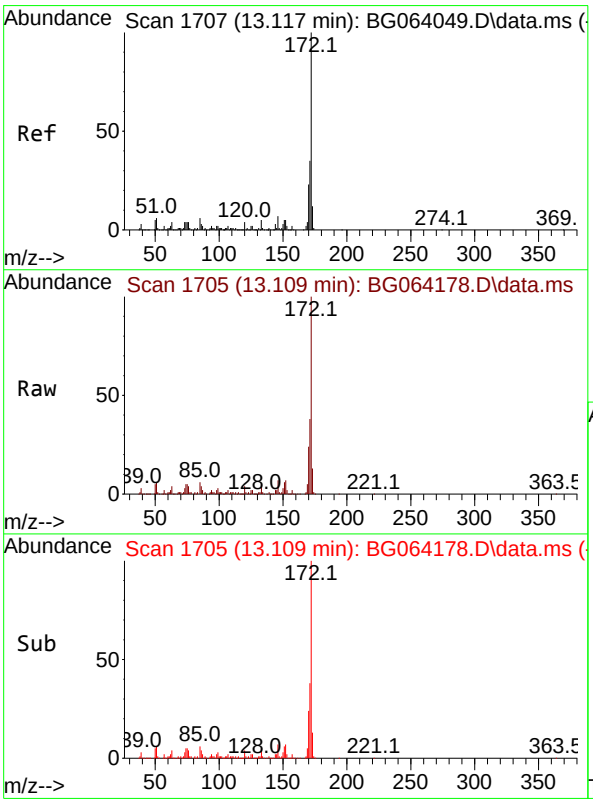


#42
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 15.636 min Scan# 21
Delta R.T. -0.337 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:330 Resp: 61

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.7	115.1#
141	191.8	29.7	44.5#

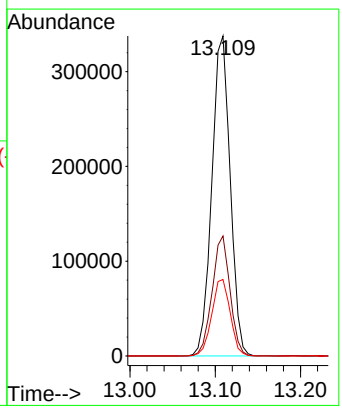


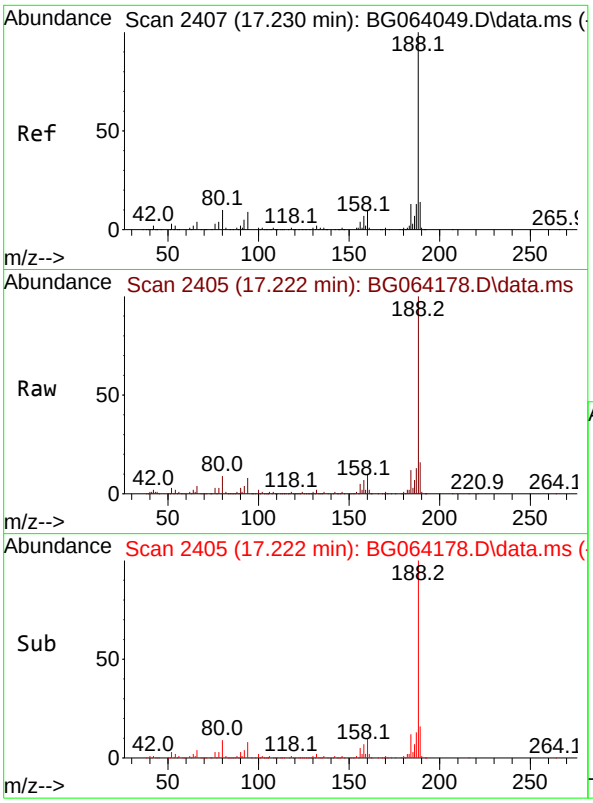


#45
2-Fluorobiphenyl
Concen: 76.680 ng
RT: 13.109 min Scan# 1705
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:172 Resp: 505056

Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.0	42.0
170	23.9	18.7	28.1



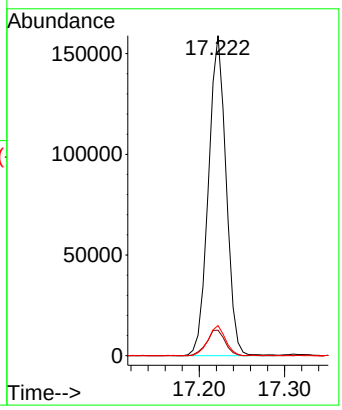


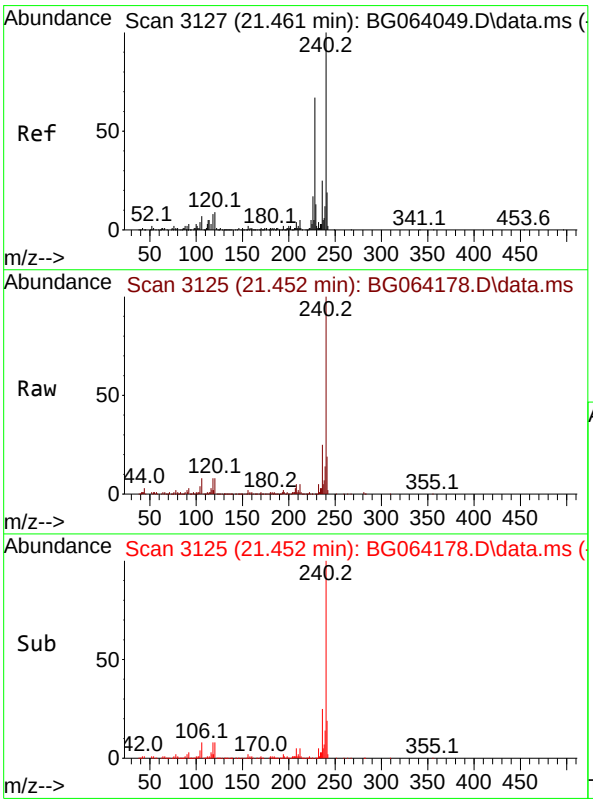
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion:188 Resp: 228491

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.4	8.1	12.1

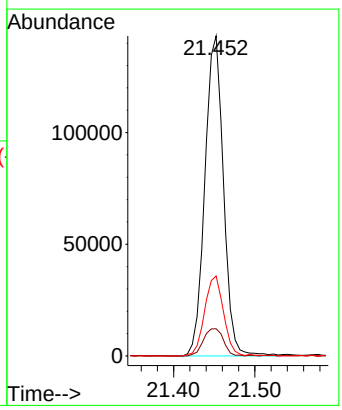


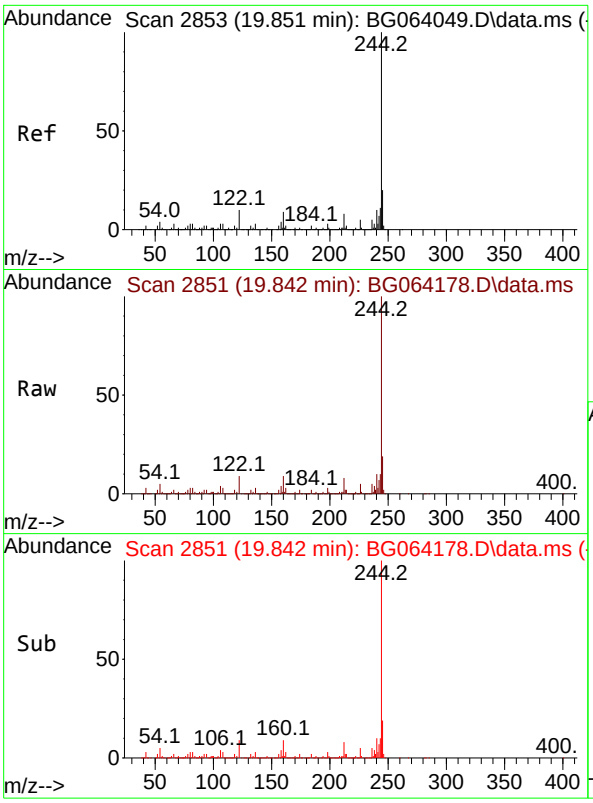


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.452 min Scan# 3125
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:240 Resp: 227158

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	25.0	20.2	30.2



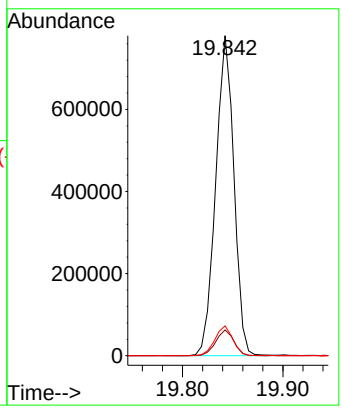


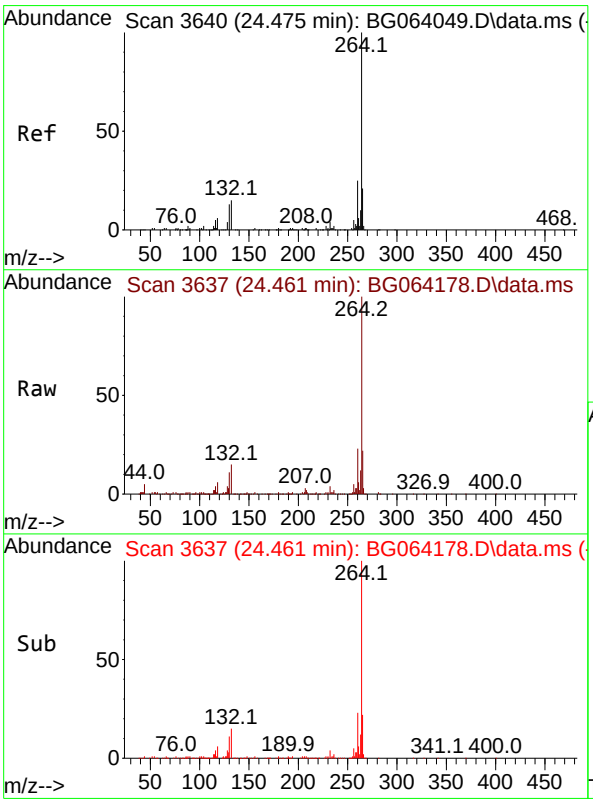
#79
Terphenyl-d14
Concen: 87.405 ng
RT: 19.842 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion:244 Resp: 981941

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.3	8.0	12.0

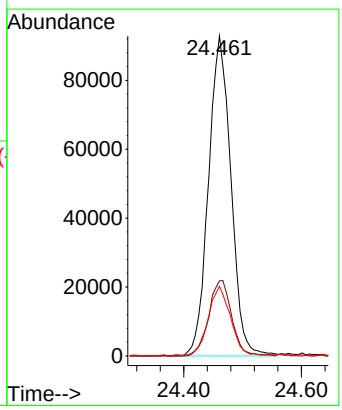




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.461 min Scan# 3637
Delta R.T. -0.014 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:264 Resp: 246565

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.7	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064178.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.989	315	323	330	rVB	1457623	2126725	72.86%	17.435%
2	6.053	497	504	513	rBV	22727	36568	1.25%	0.300%
3	7.856	805	811	817	rBV	109358	181978	6.23%	1.492%
4	9.008	998	1007	1017	rBV	359615	626098	21.45%	5.133%
5	10.647	1278	1286	1294	rVB	160629	289300	9.91%	2.372%
6	10.806	1306	1313	1321	rBV2	23208	44291	1.52%	0.363%
7	11.258	1385	1390	1400	rVB2	52017	92979	3.19%	0.762%
8	11.458	1418	1424	1432	rBV2	23071	37481	1.28%	0.307%
9	11.828	1479	1487	1491	rBV2	24665	44022	1.51%	0.361%
10	11.875	1491	1495	1498	rBV2	20496	31439	1.08%	0.258%
11	13.109	1697	1705	1712	rBV	1078960	1633718	55.97%	13.393%
12	14.325	1900	1912	1917	rBV	32612	61930	2.12%	0.508%
13	14.478	1933	1938	1945	rVB	295972	466994	16.00%	3.828%
14	14.590	1952	1957	1962	rBV	173275	232901	7.98%	1.909%
15	14.748	1978	1984	1987	rBV	36032	51313	1.76%	0.421%
16	14.784	1987	1990	1995	rVB	26371	36795	1.26%	0.302%
17	15.653	2131	2138	2142	rBV4	19397	31217	1.07%	0.256%
18	15.835	2164	2169	2176	rBV	114685	169523	5.81%	1.390%
19	16.793	2327	2332	2337	rBV2	23892	34290	1.17%	0.281%
20	16.969	2354	2362	2372	rBV	153503	231961	7.95%	1.902%
21	17.063	2374	2378	2380	rVV	60487	76663	2.63%	0.628%
22	17.087	2380	2382	2387	rVB	45220	56630	1.94%	0.464%
23	17.222	2399	2405	2411	rVB2	405177	593048	20.32%	4.862%
24	17.903	2515	2521	2527	rVB2	126477	157202	5.39%	1.289%
25	18.879	2682	2687	2691	rBV	74194	93399	3.20%	0.766%
26	18.938	2693	2697	2699	rBV2	36333	46189	1.58%	0.379%
27	19.073	2716	2720	2723	rVB4	33736	37397	1.28%	0.307%
28	19.208	2739	2743	2748	rVB	54384	65797	2.25%	0.539%
29	19.842	2844	2851	2859	rBV	2296791	2919013	100.00%	23.930%
30	21.129	3065	3070	3084	rBV	221777	336878	11.54%	2.762%
31	21.452	3119	3125	3132	rBV	404772	636816	21.82%	5.221%
32	24.461	3628	3637	3649	rBV	252249	679889	23.29%	5.574%
33	25.665	3837	3842	3843	rBV5	29166	37831	1.30%	0.310%

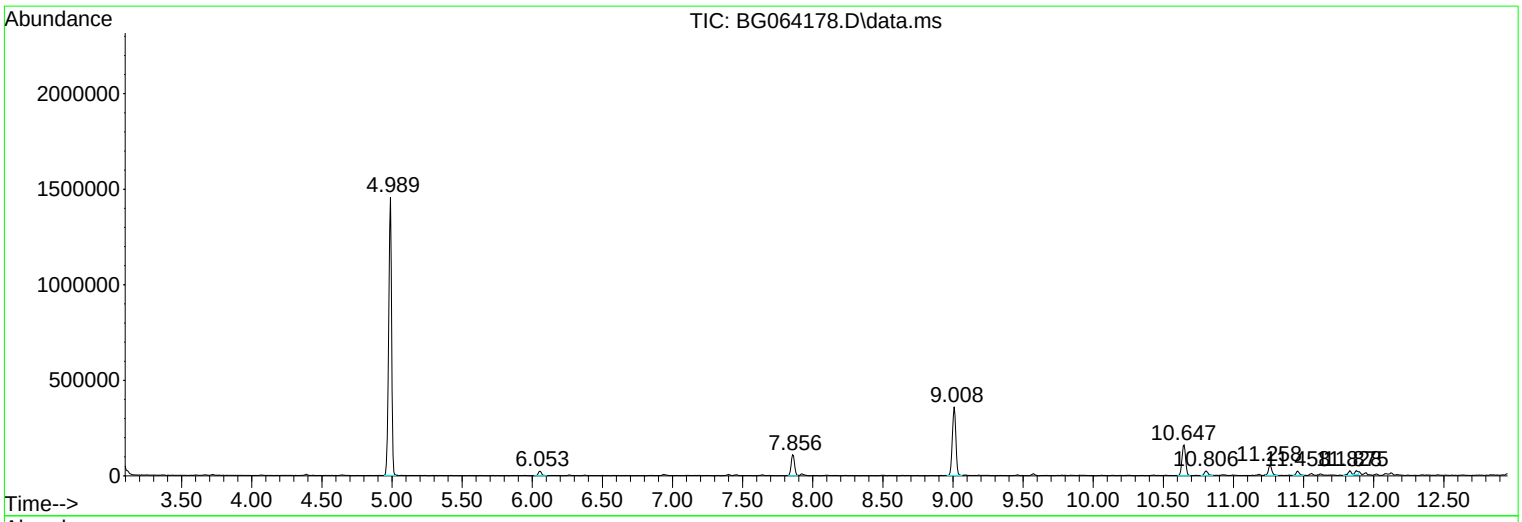
Sum of corrected areas: 12198275

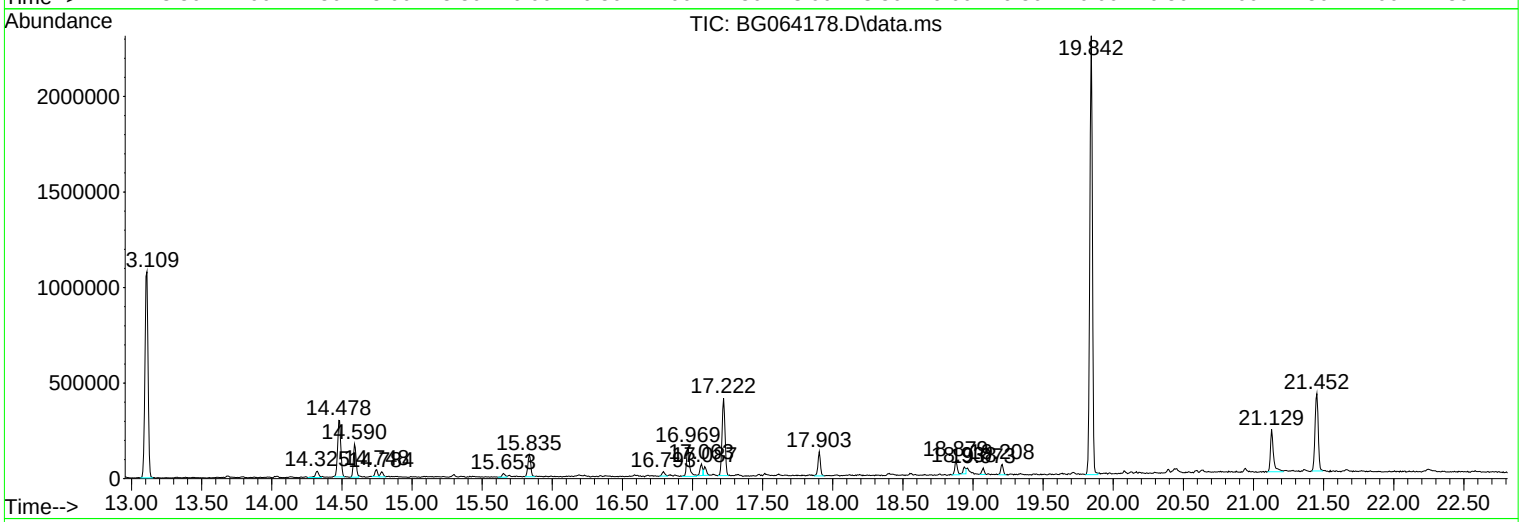
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

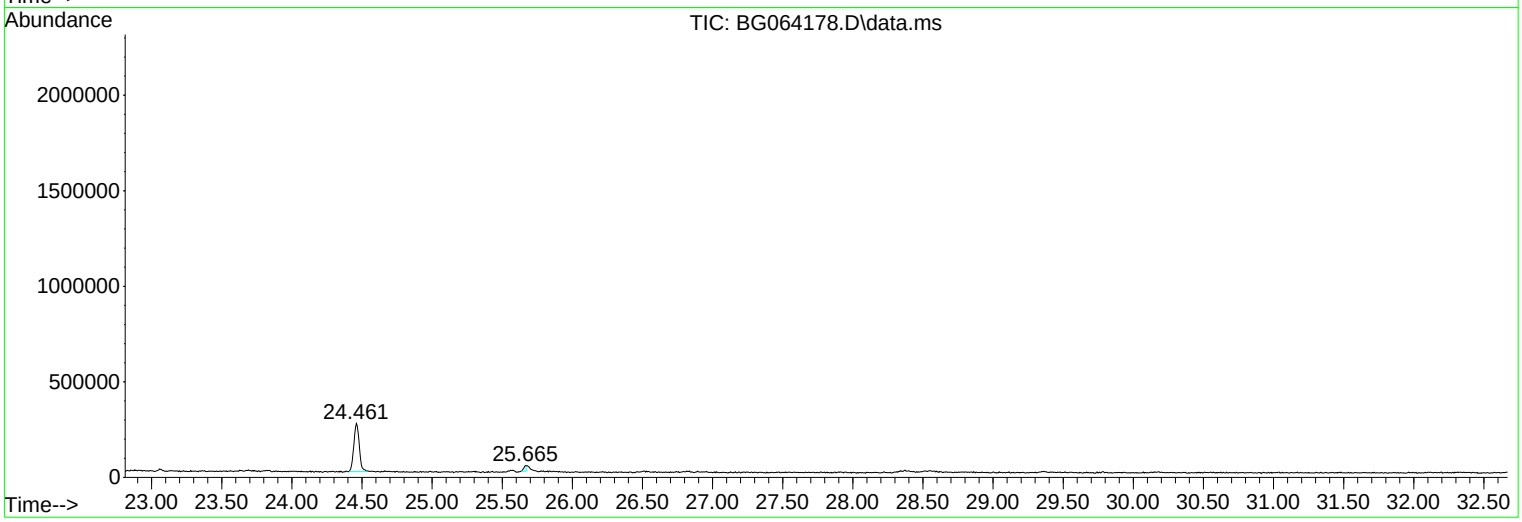
Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW112010

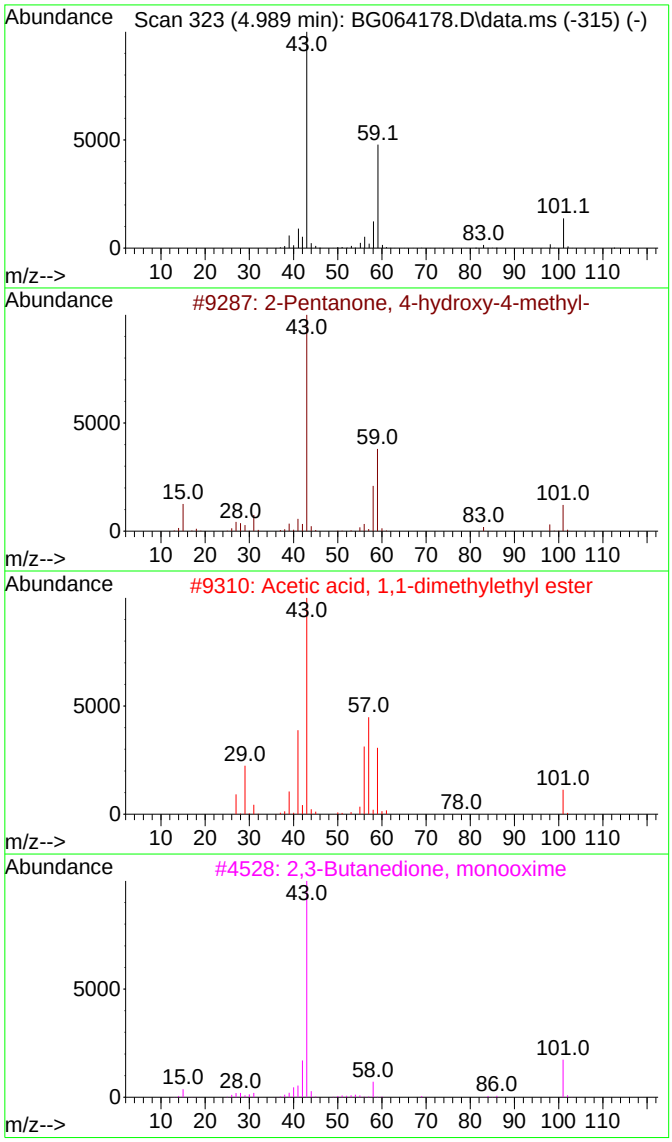
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

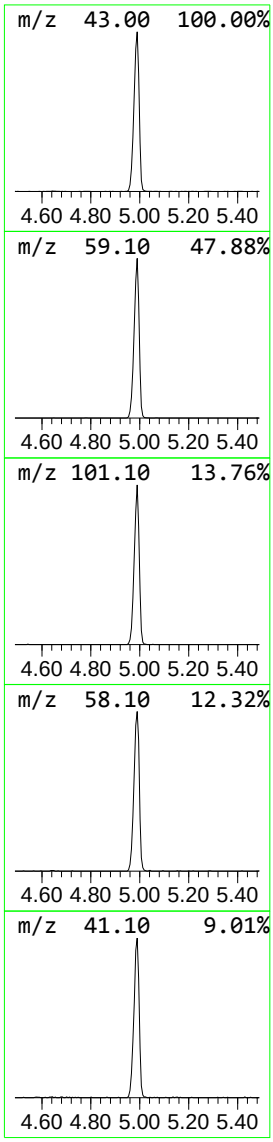
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.989	233.73 ng	2126730	1,4-Dichlorobenzene-d4	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Diacetamide	101	C4H7NO2	000625-77-4	9





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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

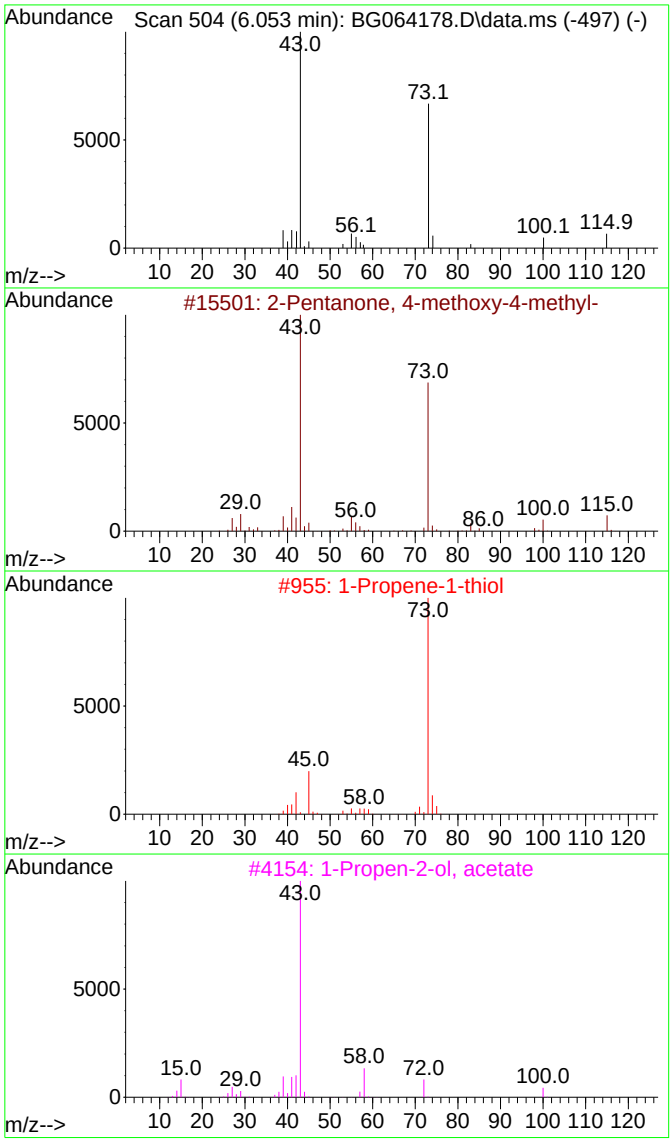
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

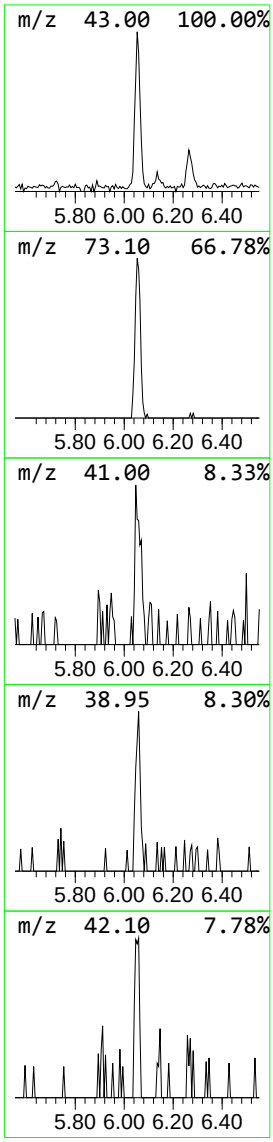
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-methoxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.053	4.02 ng	36568	1,4-Dichlorobenzene-d4	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	72
2	1-Propene-1-thiol	74	C3H6S	000925-89-3	10
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
4	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	7
5	N-Formylmorpholine	115	C5H9NO2	004394-85-8	7





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

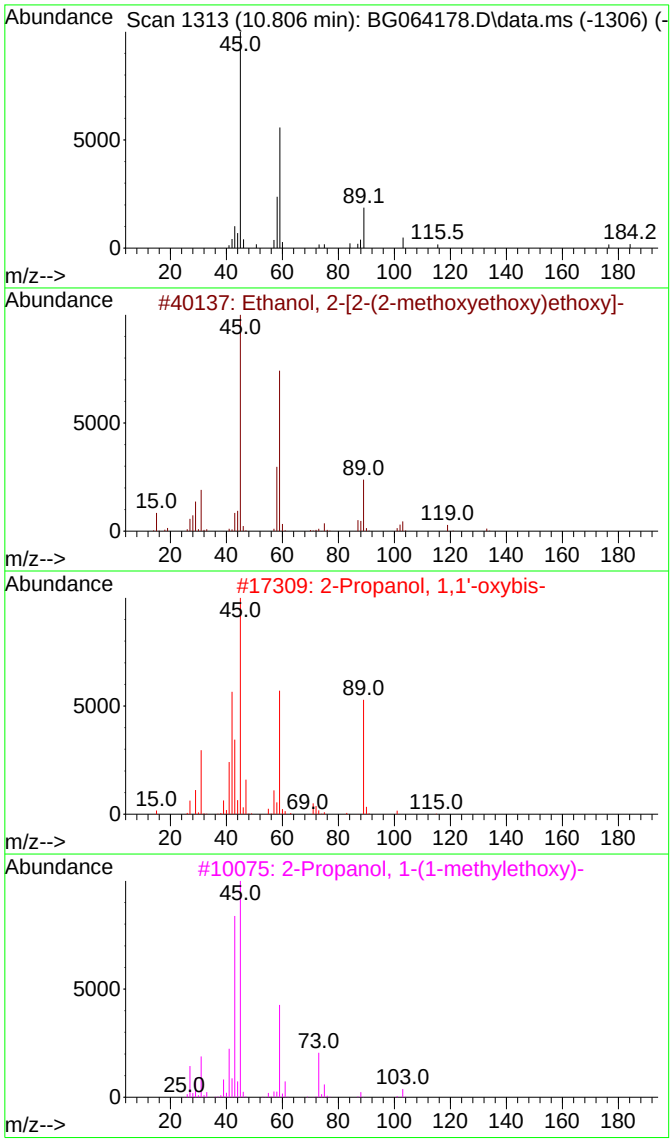
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

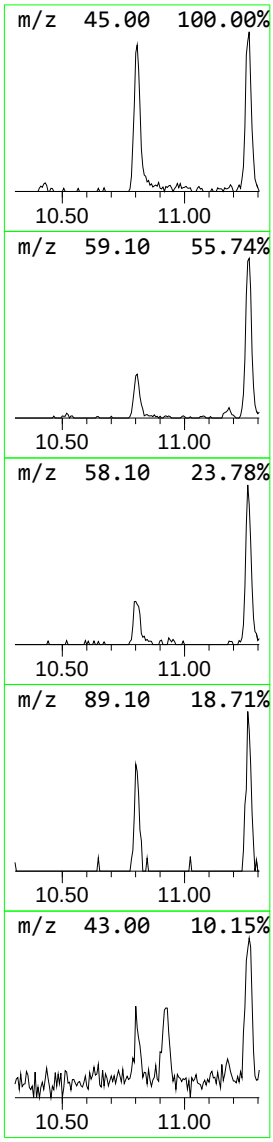
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-[2-(2-methoxyeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.806	3.06 ng	44291	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	74
2	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	59
3	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	59
4	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	56
5	Tetraethyleneglycol monomethylether	208	C9H20O5	023783-42-8	53





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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

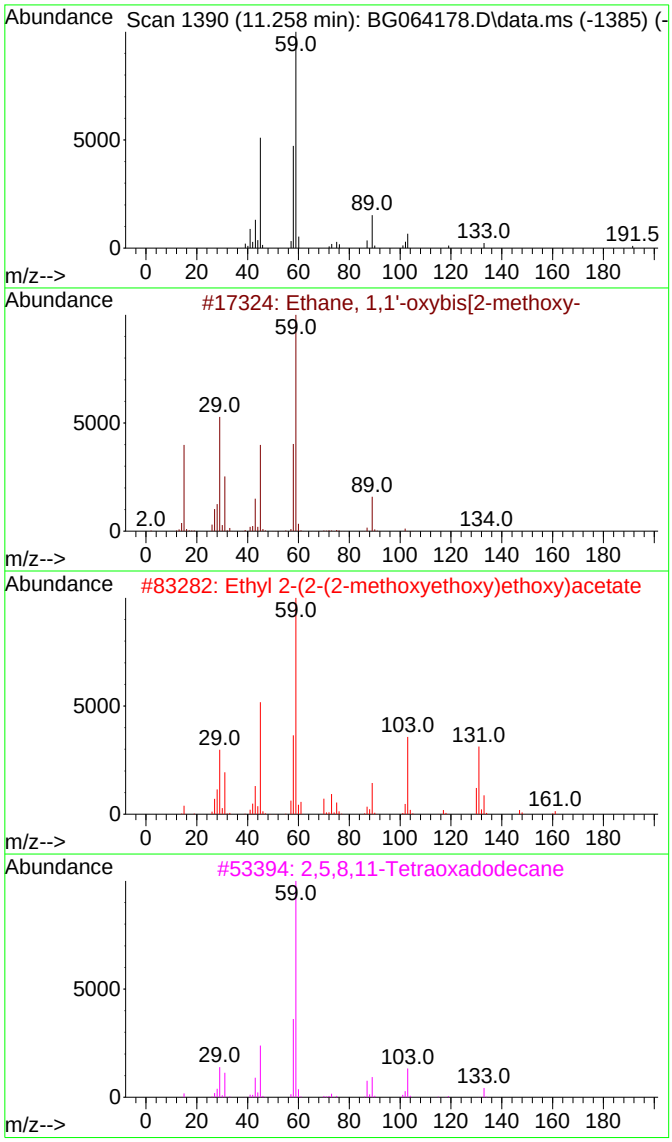
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

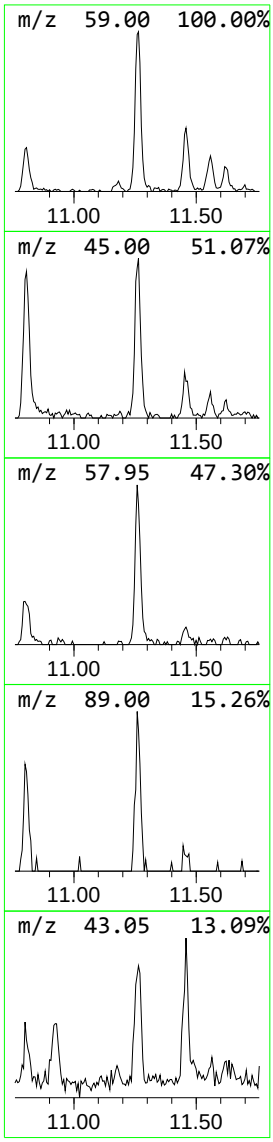
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Ethane, 1,1'-oxybis[2-methoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.258	6.43 ng	92979	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	78
2	Ethyl 2-(2-(2-methoxyethoxy)etho...	206	C9H18O5	1000366-89-0	74
3	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	64
4	1-Propanol, 3,3'-oxybis-	134	C6H14O3	002396-61-4	50
5	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

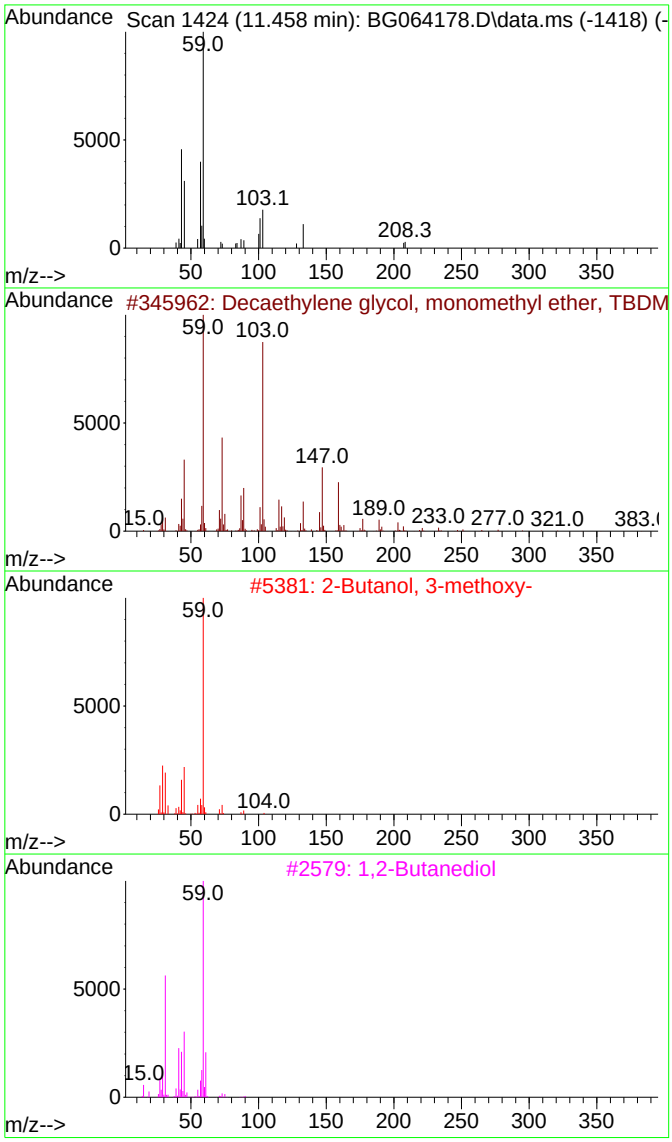
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

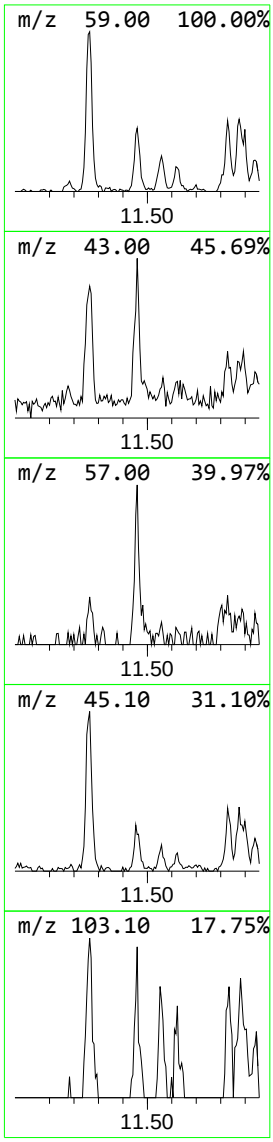
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Decaethylene glycol, monome... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.458	2.59 ng	37481	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decaethylene glycol, monomethyl ...	586	C27H58O11Si	1000352-12-0	50
2	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	40
3	1,2-Butanediol	90	C4H10O2	000584-03-2	40
4	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	40
5	Carbonic acid, 2-methoxyethyl 3,...	232	C10H10F2O4	1000357-86-6	39





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

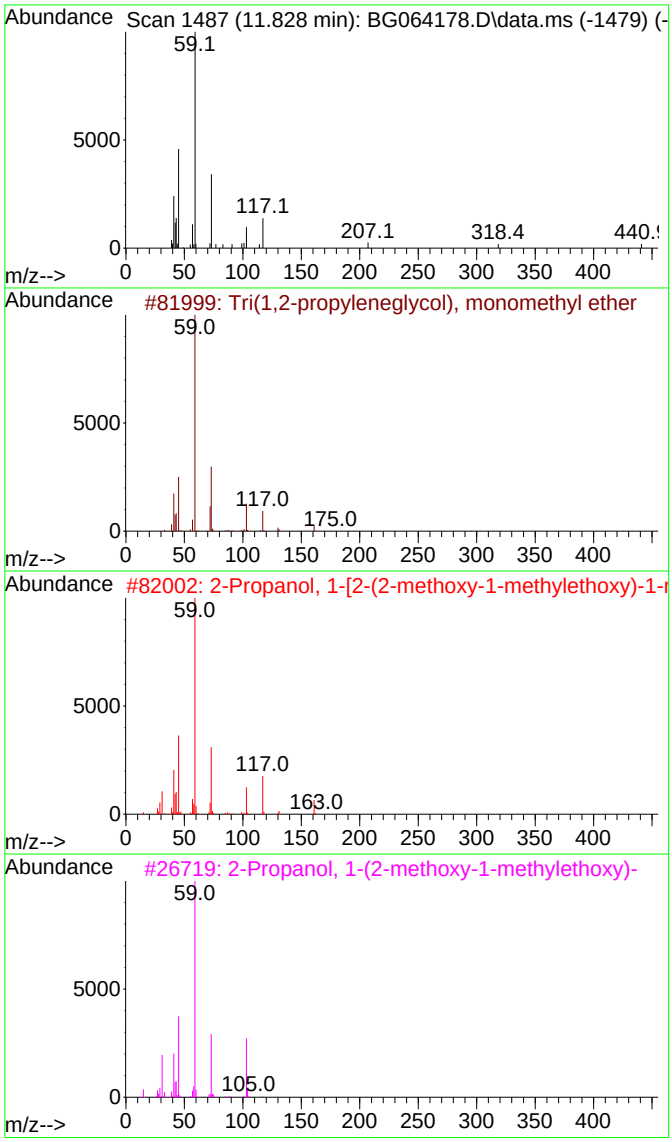
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

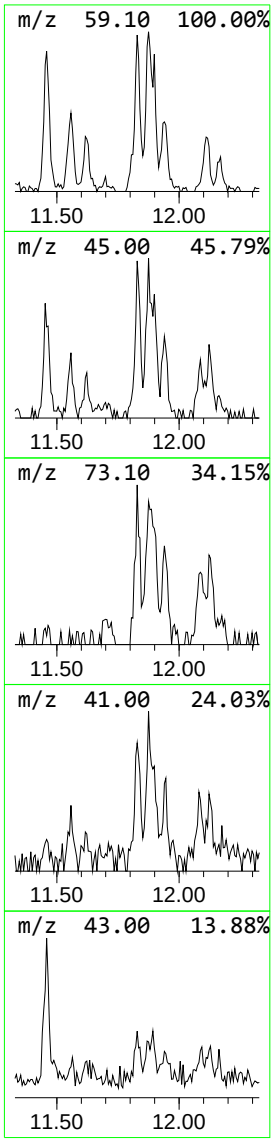
****

Peak Number 6 Tri(1,2-propyleneglycol), m... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	3.04 ng	44022	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	83
2	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	74
3	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	56
4	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	42
5	Butanamide, 3-methyl-	101	C5H11NO	000541-46-8	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

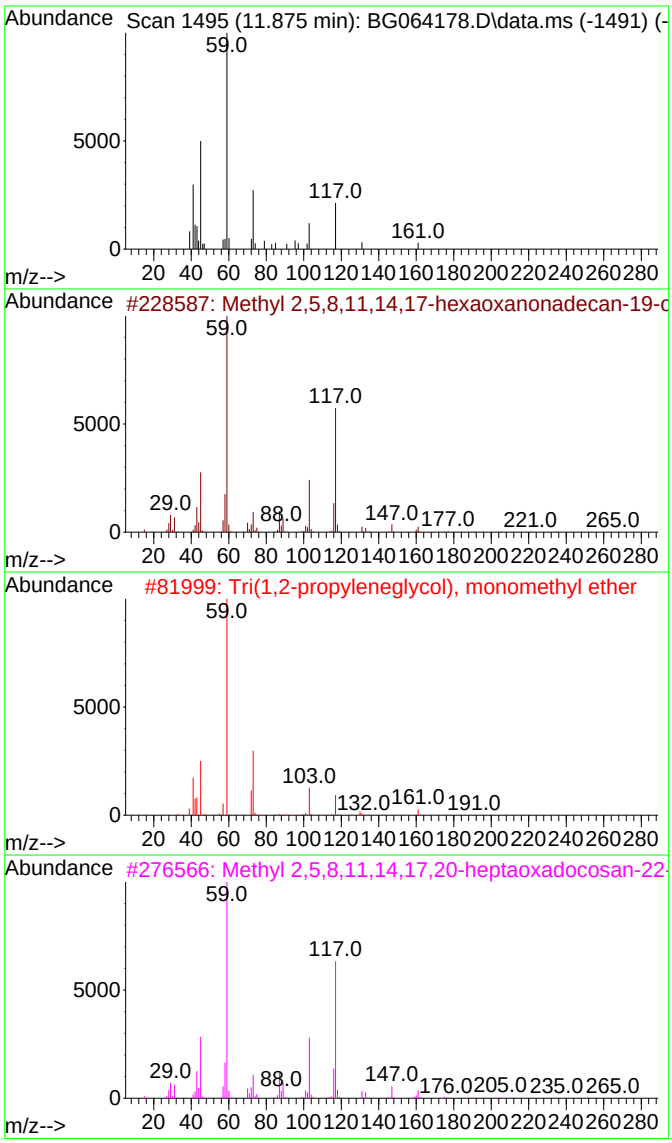
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

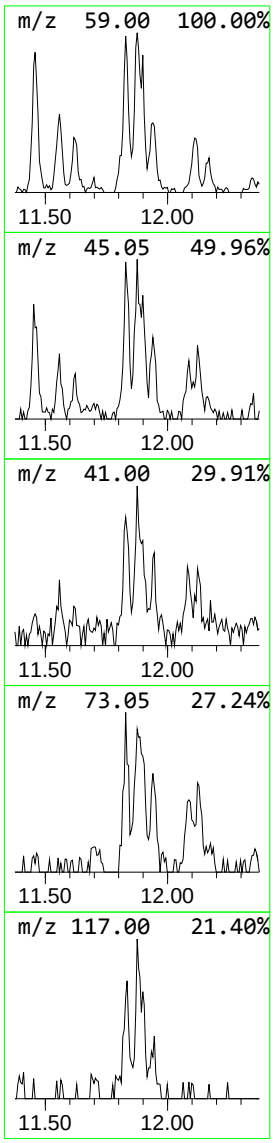
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Methyl 2,5,8,11,14,17-hexao... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	2.17 ng	31439	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2,5,8,11,14,17-hexaoxanon...	324	C14H28O8	1000366-81-4	72
2	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	72
3	Methyl 2,5,8,11,14,17,20-heptaox...	368	C16H32O9	1010366-81-3	72
4	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	59
5	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	56





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Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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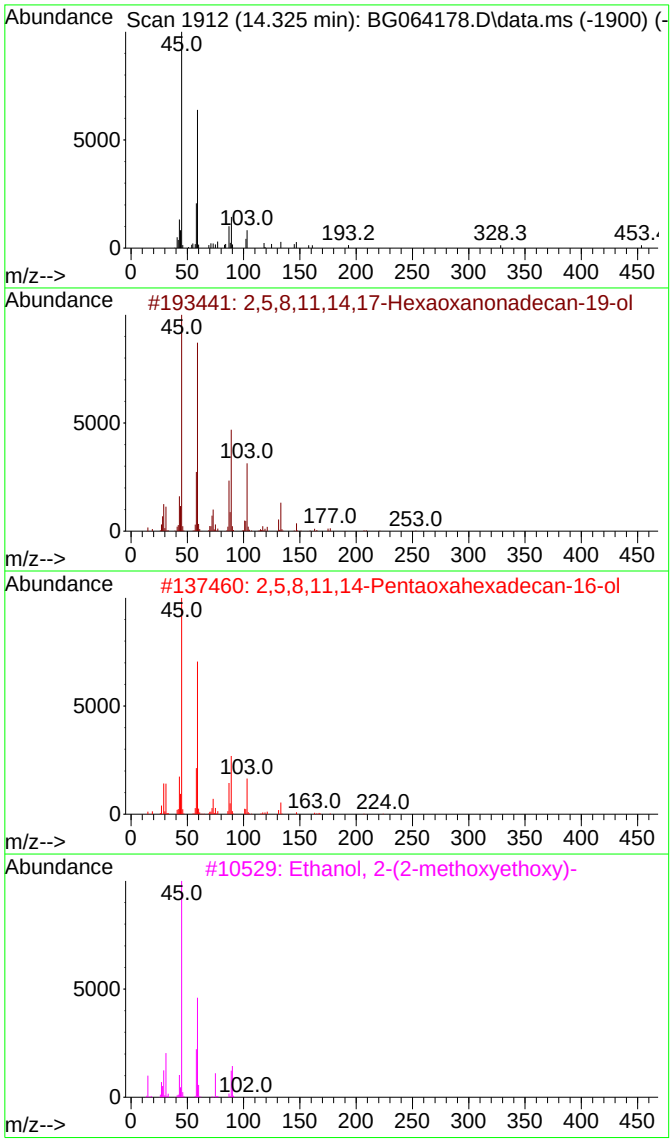
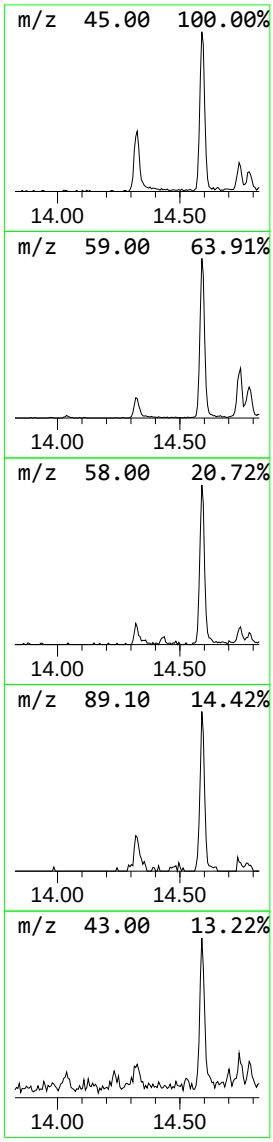
****
Peak Number 8 2,5,8,11,14,17-Hexaoxanonad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.325	2.65 ng	61930	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,8,11,14,17-Hexaoxanonadecan-...	296	C13H28O7	023601-40-3	50
2	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	40
3	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	40
4	2-(2-(2-(2-Methoxyethoxy)etho...	266	C11H22O7	016024-66-1	40
5	Ethene, (2-methoxyethoxy)-	102	C5H10O2	001663-35-0	38





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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

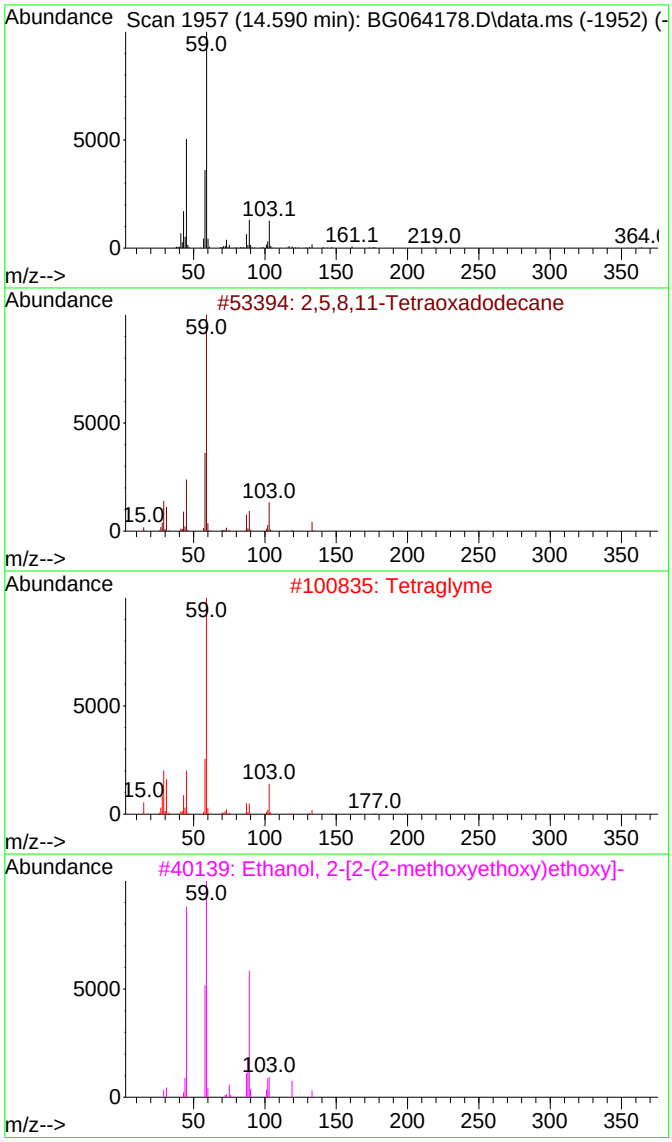
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

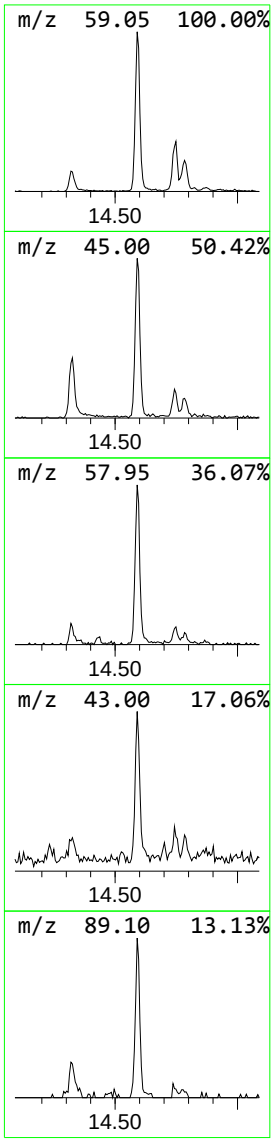
****

Peak Number 9 2,5,8,11-Tetraoxadodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	9.97 ng	232901	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	72
2	Tetraglyme	222	C10H22O5	000143-24-8	64
3	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	64
4	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
5	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	64





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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

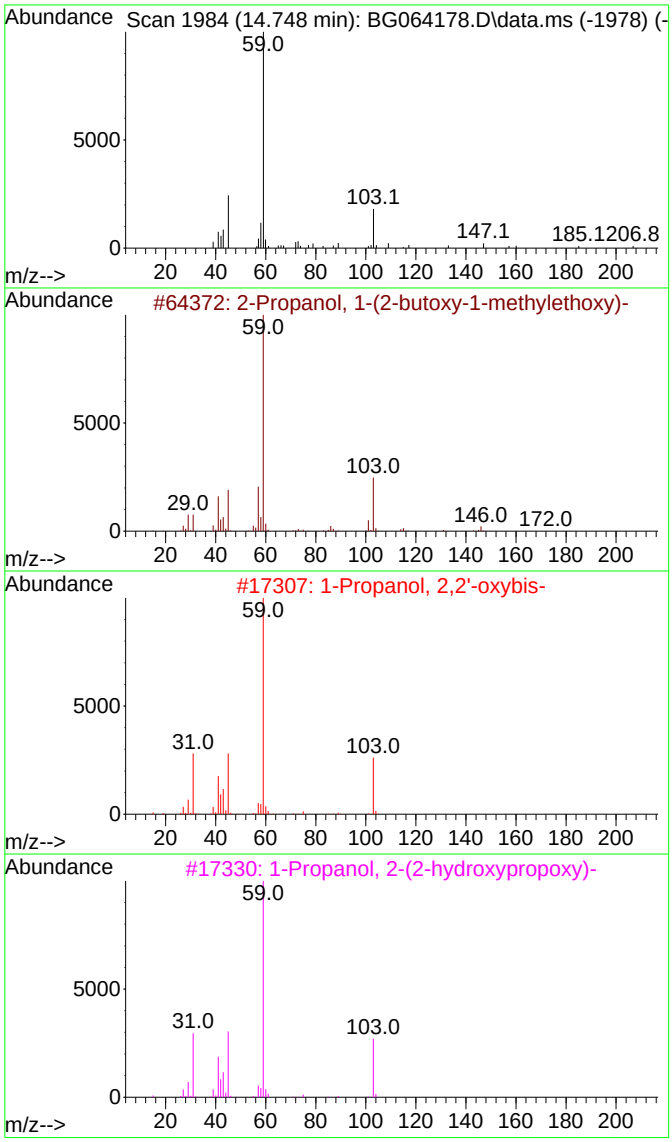
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

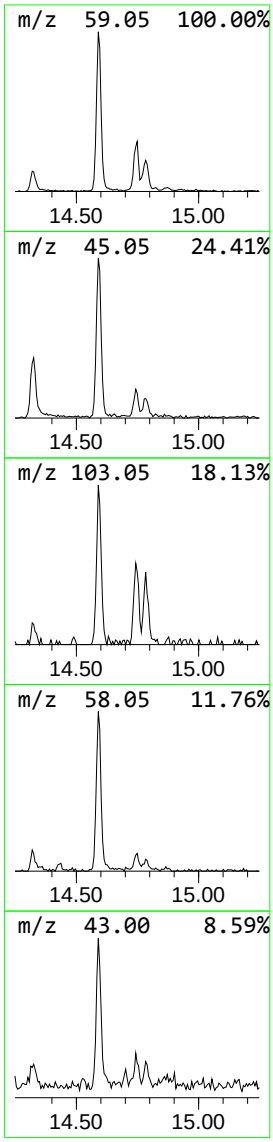
****

Peak Number 10 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.748	2.20 ng	51313	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	78
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	72
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
4	Methane, diethoxy-	104	C5H12O2	000462-95-3	72
5	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

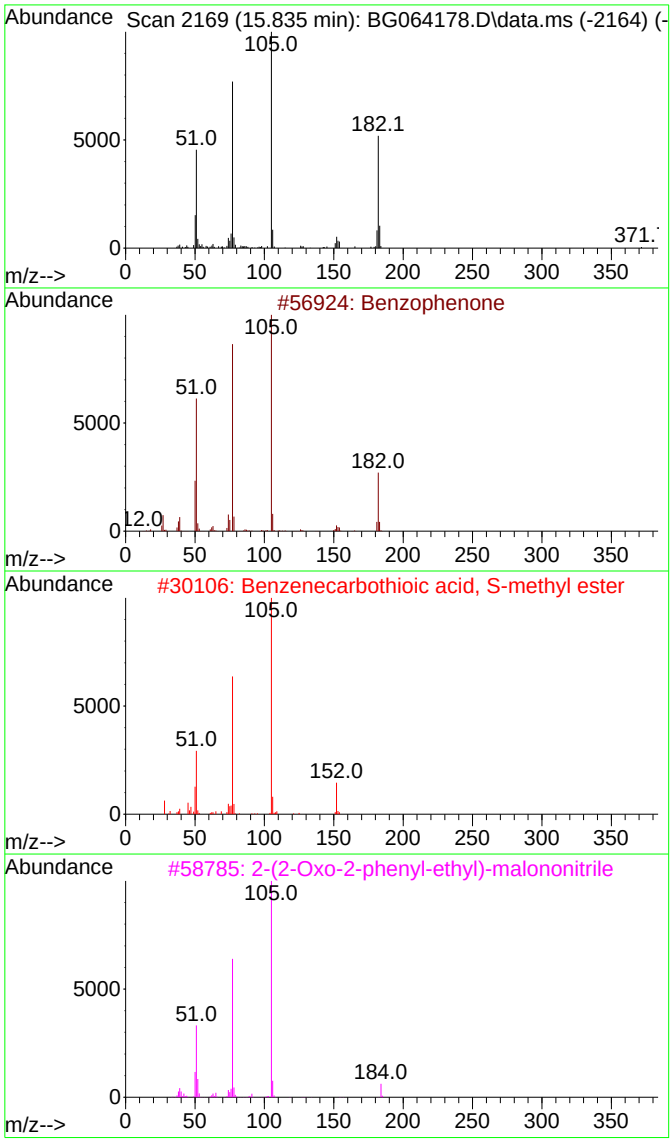
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

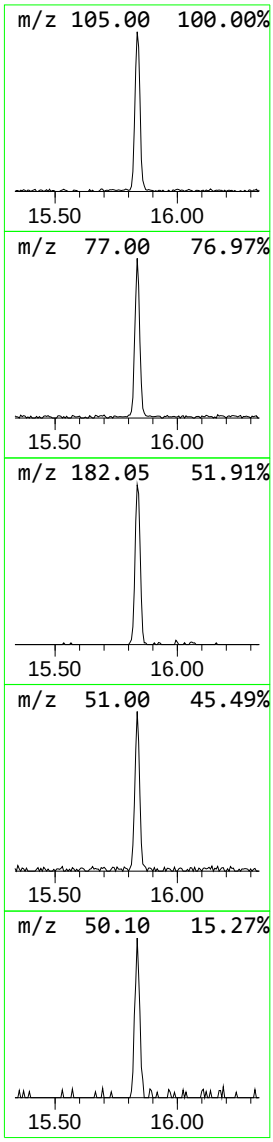
****

Peak Number 11 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.835	7.26 ng	169523	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	76
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	70
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	68
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	58





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Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

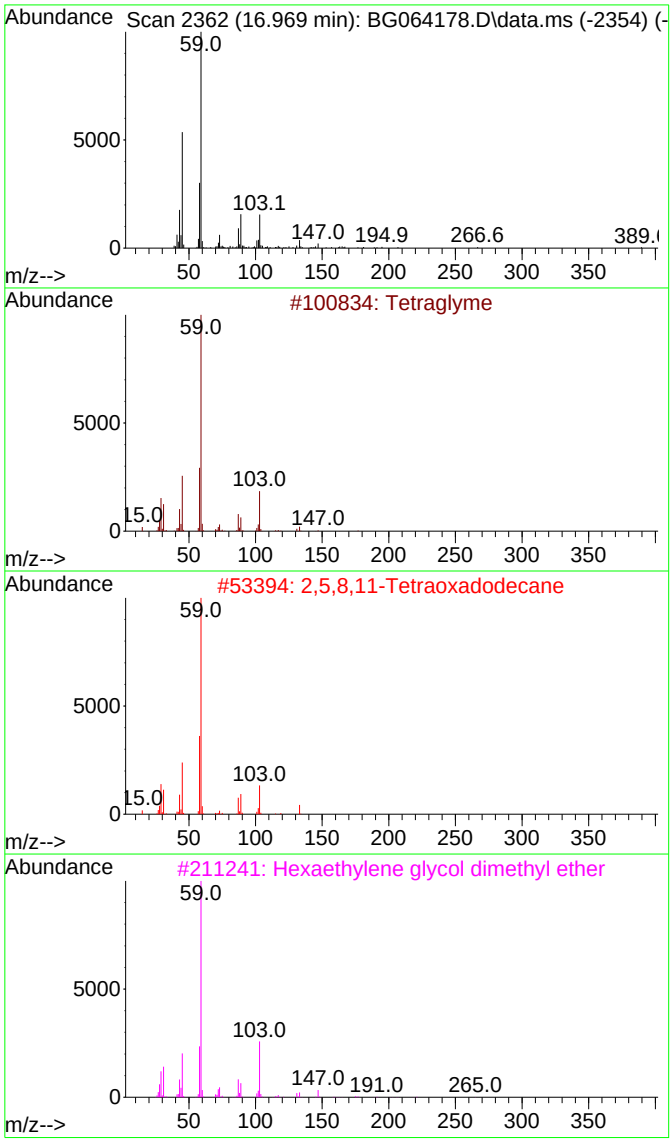
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

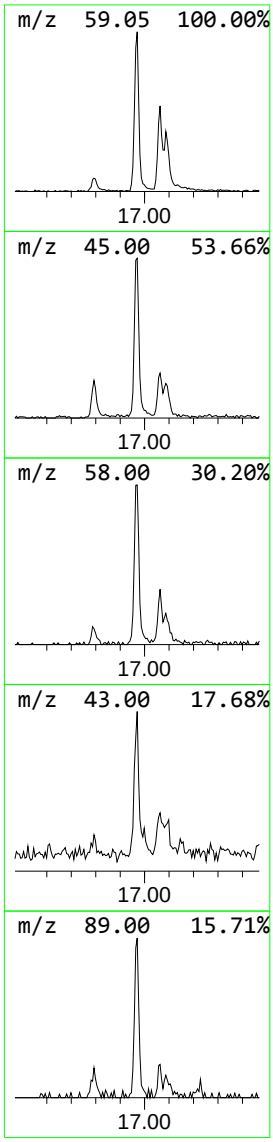
****

Peak Number 12 Tetraglyme Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.969	7.82 ng	231961	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetraglyme	222	C10H22O5	000143-24-8	72
2	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	72
3	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
4	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	50
5	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

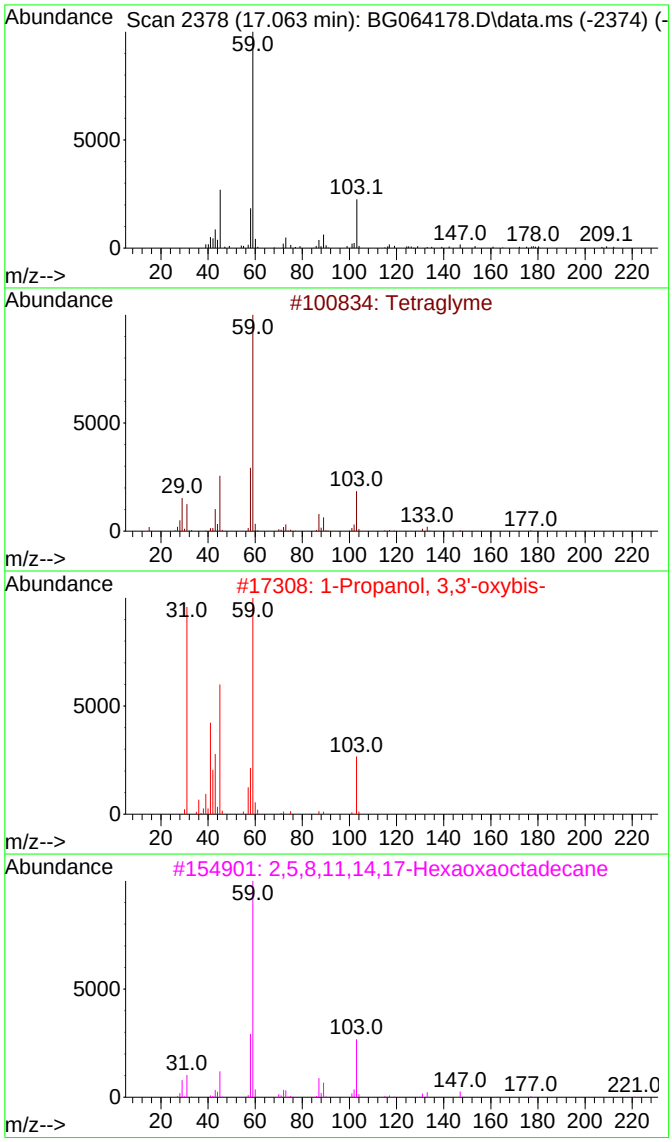
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

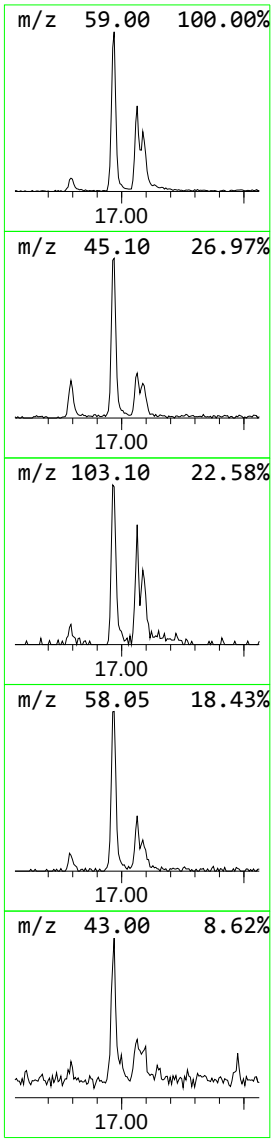
****

Peak Number 13 1-Propanol, 3,3'-oxybis- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.063	2.59 ng	76663	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetraglyme	222	C10H22O5	000143-24-8	72
2	1-Propanol, 3,3'-oxybis-	134	C6H14O3	002396-61-4	64
3	2,5,8,11,14,17-Hexaoxaoctadecane	266	C12H26O6	001191-87-3	64
4	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
5	Bis(2-methoxyethoxy)methane	164	C7H16O4	004431-83-8	59





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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

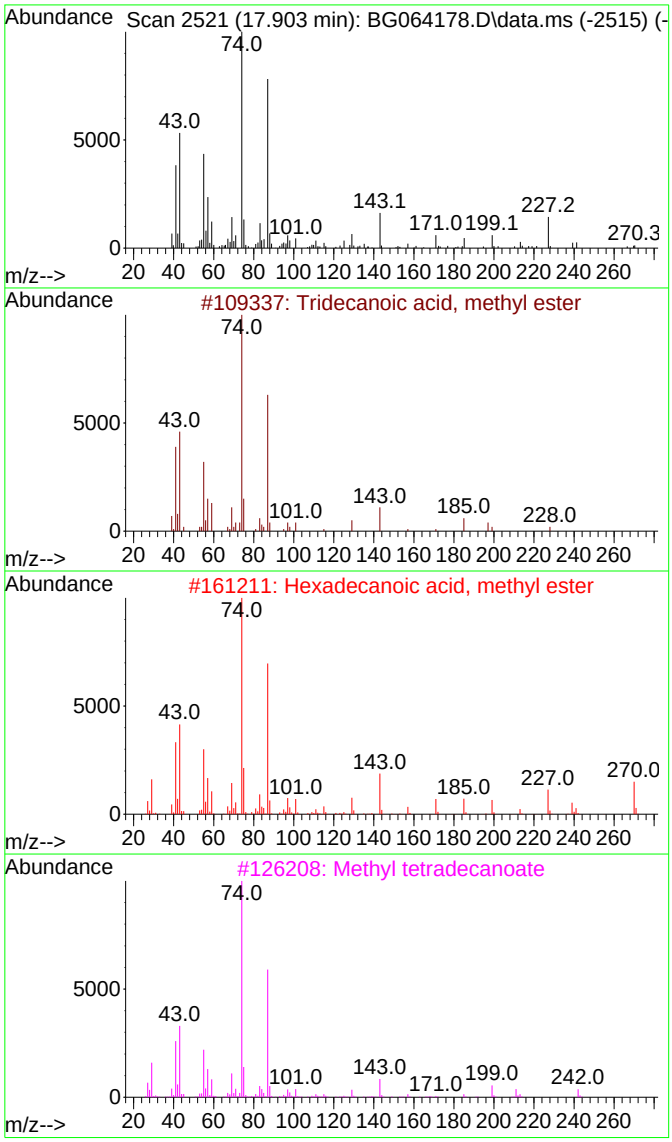
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

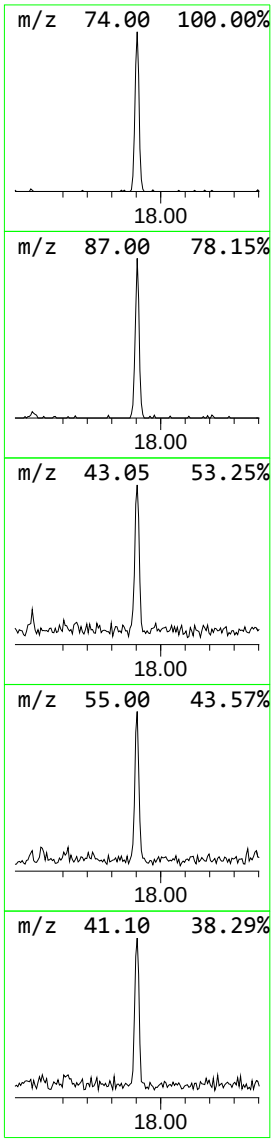
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Tridecanoic acid, methyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.904	5.30 ng	157202	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	90
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

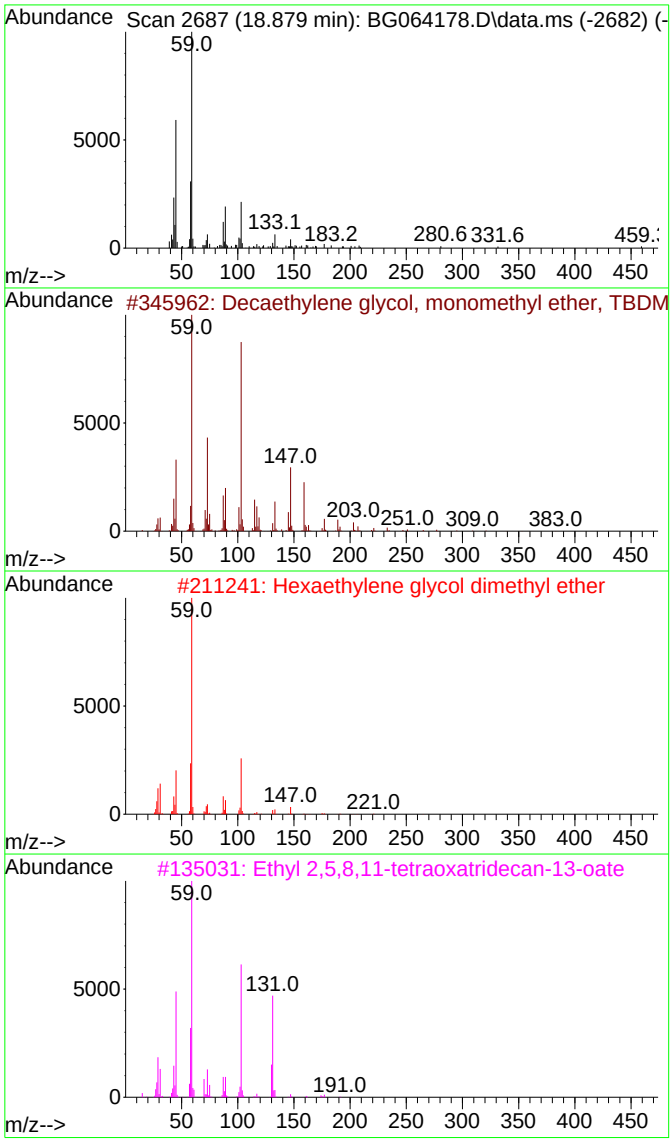
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

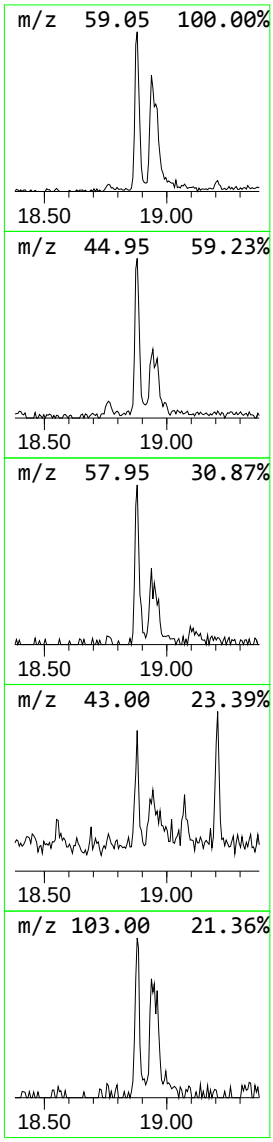
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Hexaethylene glycol dimethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.879	3.15 ng	93399	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decaethylene glycol, monomethyl ...	586	C27H58O11Si	1000352-12-0	64
2	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
3	Ethyl 2,5,8,11-tetraoxatridecan-...	250	C11H22O6	1000366-77-9	64
4	Methyl 2,5,8,11,14-pentaoxahexad...	280	C12H24O7	1000366-81-5	59
5	2,5,8,11,14,17-Hexaoxaoctadecane	266	C12H26O6	001191-87-3	59





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Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

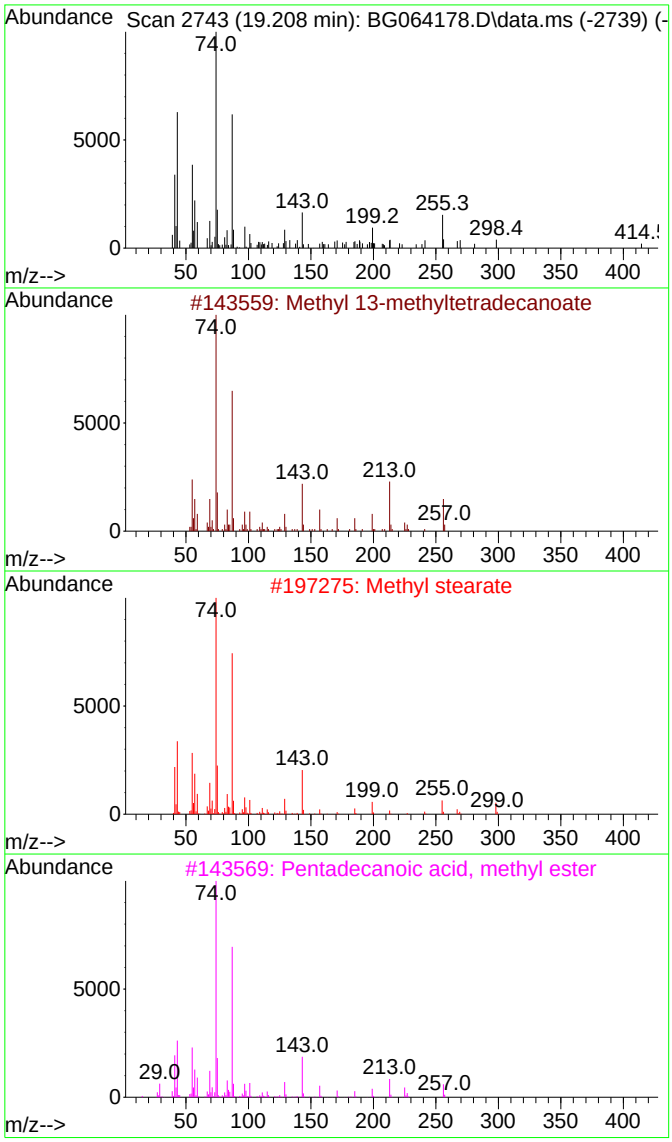
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

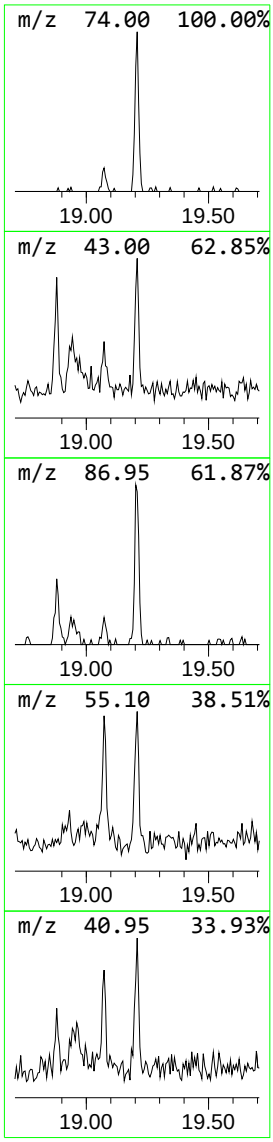
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Methyl 13-methyltetradecanoate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.208	2.22 ng	65797	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 13-methyltetradecanoate	256	C16H32O2	1000424-50-7	93
2	Methyl stearate	298	C19H38O2	000112-61-8	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	83
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	80





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Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

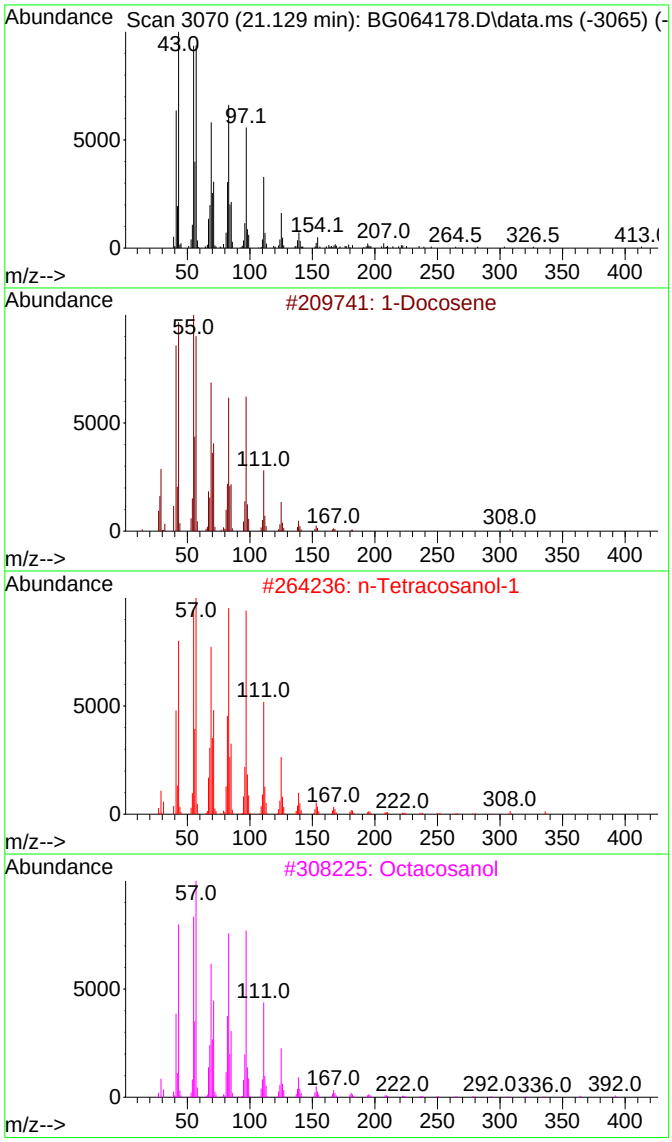
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

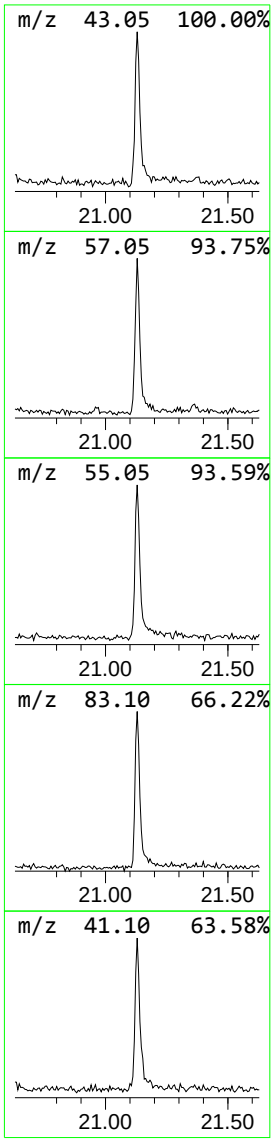
****

Peak Number 17 1-Docosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.129	10.58 ng	336878	Chrysene-d12	21.452

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	91
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	Octacosanol	410	C28H58O	000557-61-9	91
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	1-Octadecanol	270	C18H38O	000112-92-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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-...	4.989	233.7	ng	2126730	1	7.856	181978	20.0
2-Pentanone, 4-...	6.053	4.0	ng	36568	1	7.856	181978	20.0
Ethanol, 2-[2-(...	10.806	3.1	ng	44291	2	10.647	289300	20.0
Ethane, 1,1'-ox...	11.258	6.4	ng	92979	2	10.647	289300	20.0
Decaethylene gl...	11.458	2.6	ng	37481	2	10.647	289300	20.0
Tri(1,2-propyle...	11.828	3.0	ng	44022	2	10.647	289300	20.0
Methyl 2,5,8,11...	11.875	2.2	ng	31439	2	10.647	289300	20.0
2,5,8,11,14,17-...	14.325	2.6	ng	61930	3	14.484	466994	20.0
2,5,8,11-Tetrao...	14.590	10.0	ng	232901	3	14.484	466994	20.0
2-Propanol, 1-(...	14.748	2.2	ng	51313	3	14.484	466994	20.0
Benzophenone	15.835	7.3	ng	169523	3	14.484	466994	20.0
Tetraglyme	16.969	7.8	ng	231961	4	17.222	593048	20.0
1-Propanol, 3,3...	17.063	2.6	ng	76663	4	17.222	593048	20.0
Tridecanoic aci...	17.904	5.3	ng	157202	4	17.222	593048	20.0
Hexaethylene gl...	18.879	3.1	ng	93399	4	17.222	593048	20.0
Methyl 13-methy...	19.208	2.2	ng	65797	4	17.222	593048	20.0
1-Docosene	21.129	10.6	ng	336878	5	21.452	636816	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Time: Apr 04 01:46:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

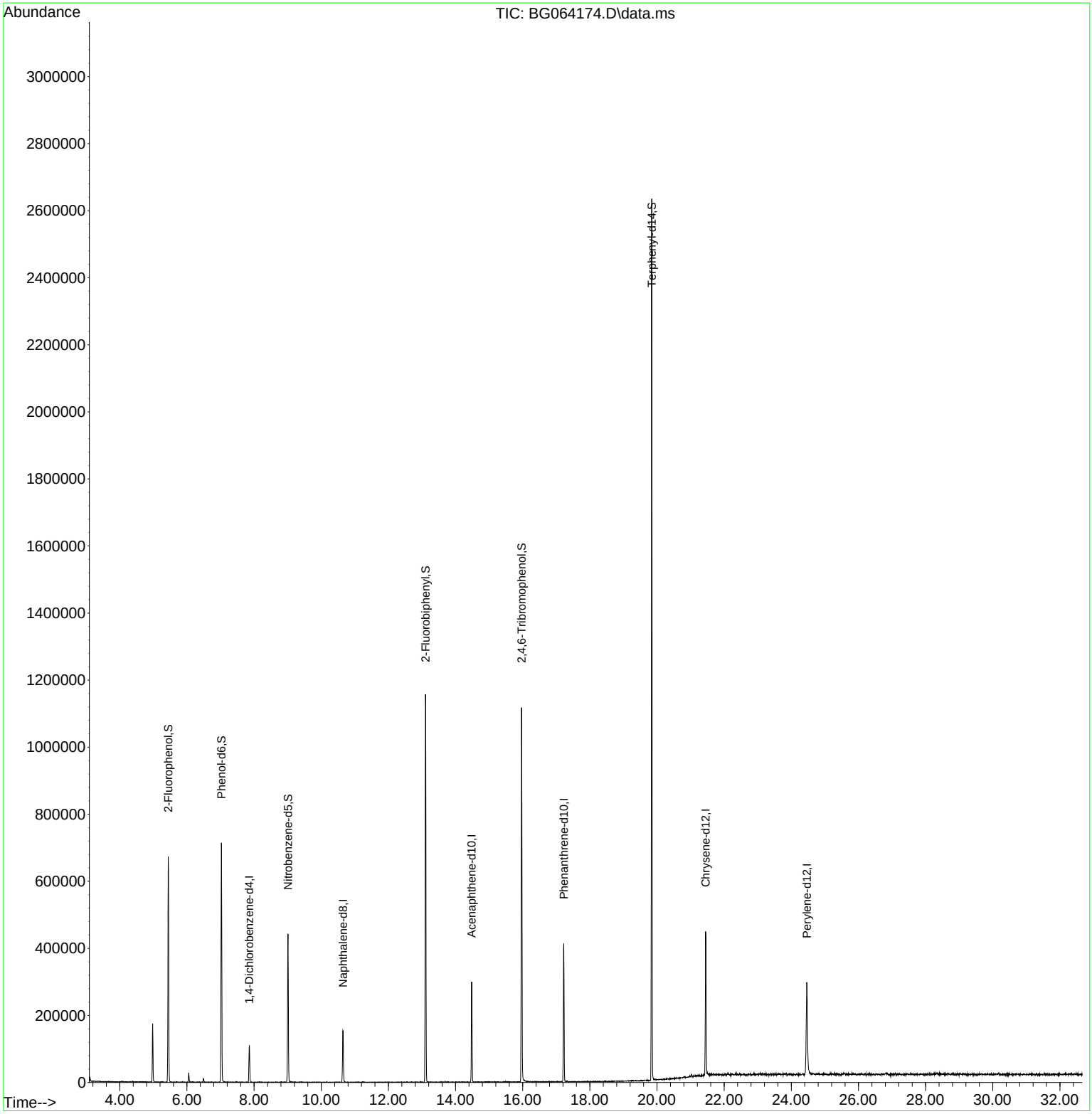
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	27407	20.000	ng	#-0.01
21) Naphthalene-d8	10.650	136	121488	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	99612	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	240876	20.000	ng	0.00
76) Chrysene-d12	21.449	240	250147	20.000	ng	-0.01
86) Perylene-d12	24.463	264	267703	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	245391	139.805	ng	0.00
7) Phenol-d6	7.025	99	334749	140.191	ng	0.00
23) Nitrobenzene-d5	9.011	82	226433	102.999	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	185996	167.979	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	565811	86.218	ng	0.00
79) Terphenyl-d14	19.845	244	1165740	94.229	ng	0.00
Target Compounds						Qvalue

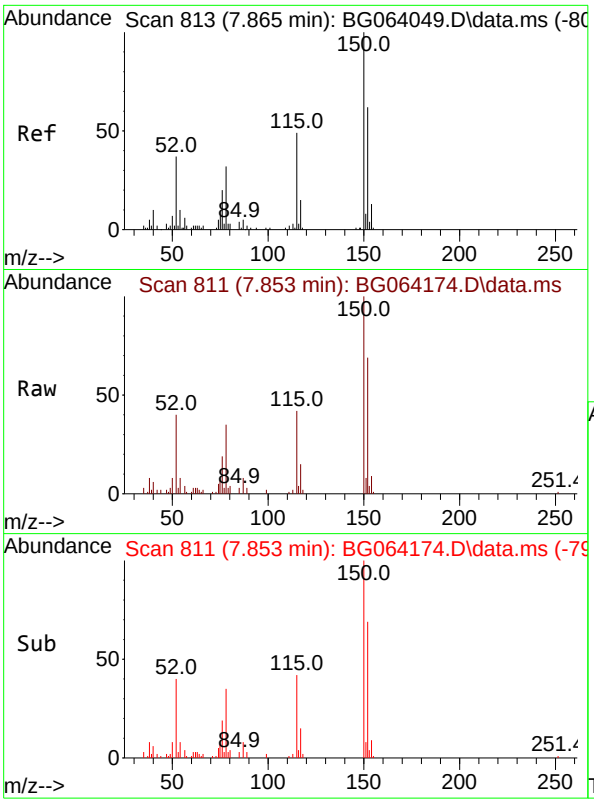
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Time: Apr 04 01:46:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



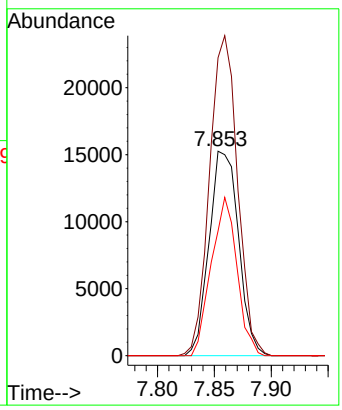


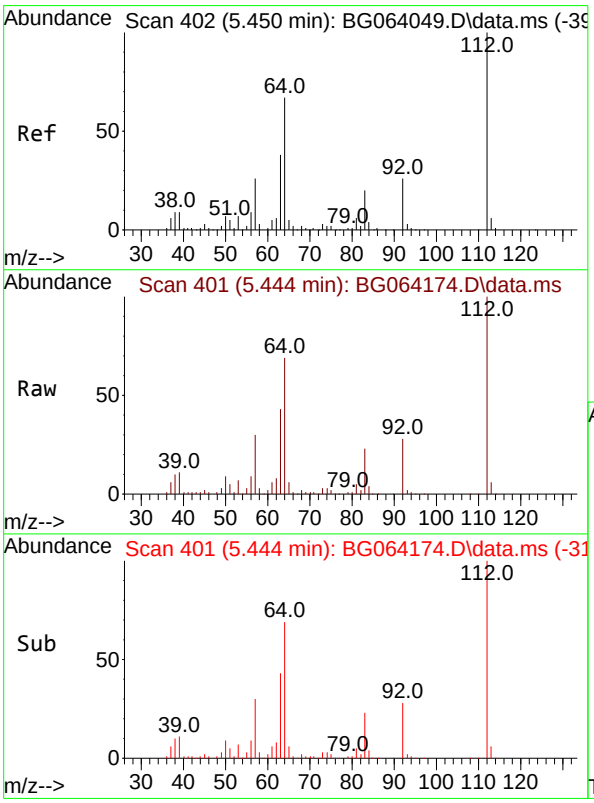
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.853 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:152 Resp: 27407

Ion	Ratio	Lower	Upper
152	100		
150	145.7	129.2	193.8
115	61.0	63.0	94.6#

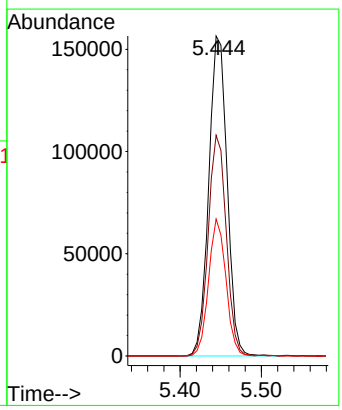


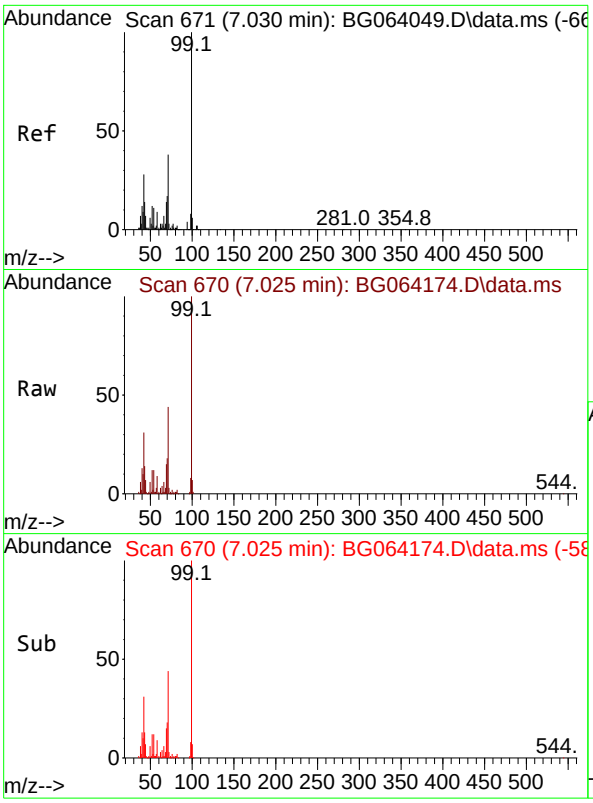


#5
2-Fluorophenol
Concen: 139.805 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:112 Resp: 245391

Ion	Ratio	Lower	Upper
112	100		
64	68.9	53.7	80.5
63	42.8	30.2	45.4



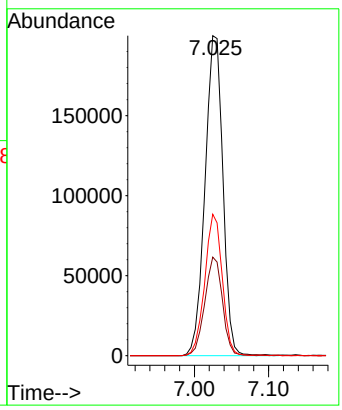


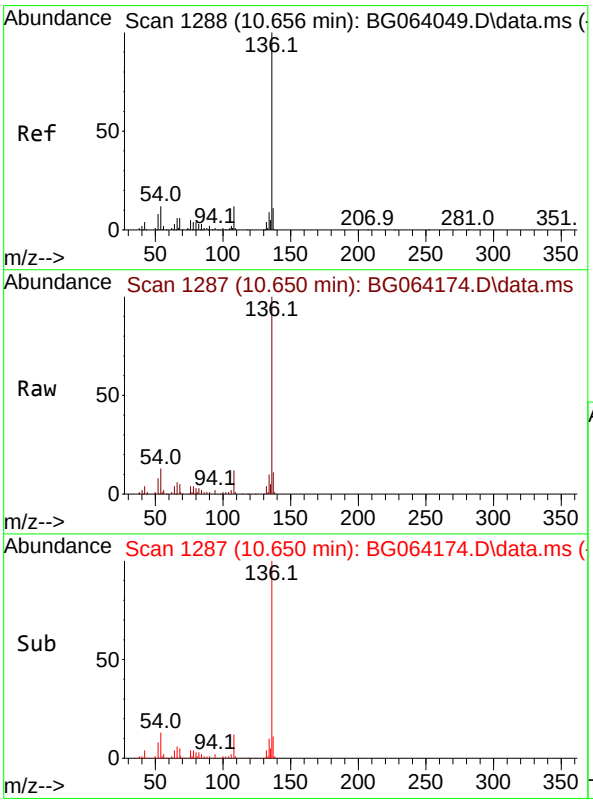
#7
Phenol-d6
Concen: 140.191 ng
RT: 7.025 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion: 99 Resp: 334749

Ion	Ratio	Lower	Upper
99	100		
42	30.8	22.7	34.1
71	44.2	30.6	46.0

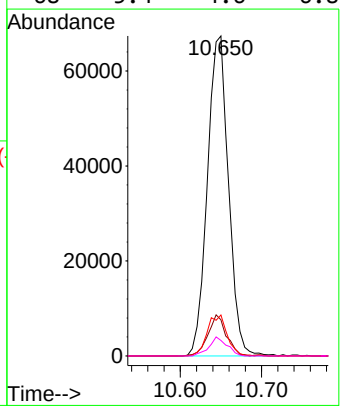


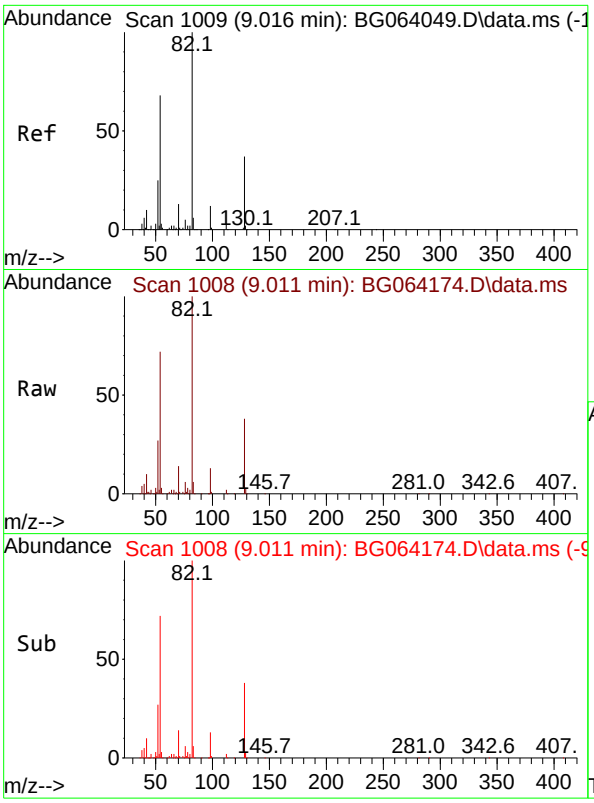


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:136 Resp: 121488

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	12.8	9.9	14.9
68	5.4	4.6	6.8



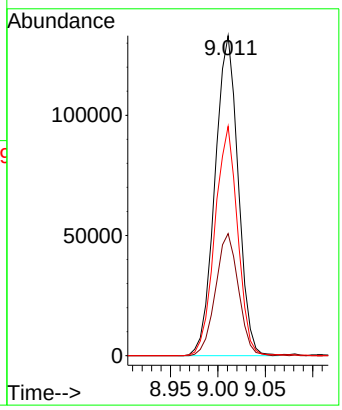


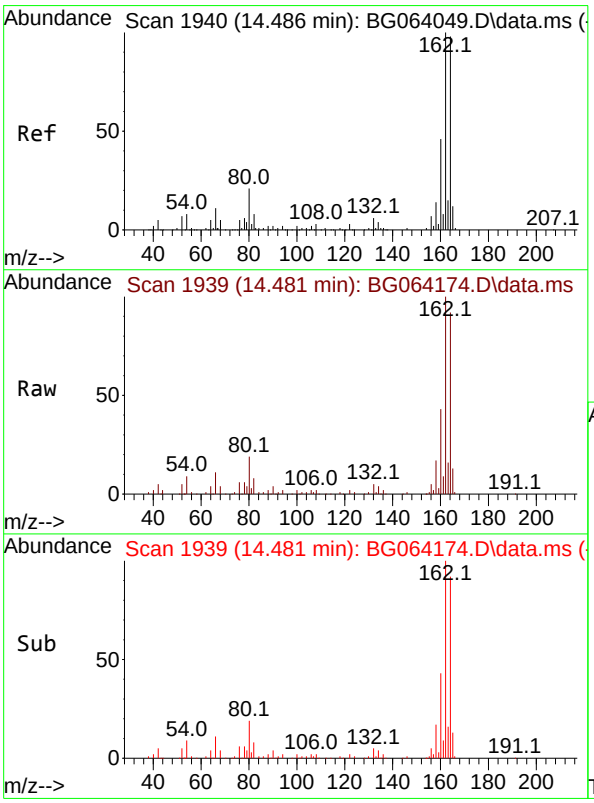
#23
Nitrobenzene-d5
Concen: 102.999 ng
RT: 9.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion: 82 Resp: 226433

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	71.6	54.7	82.1

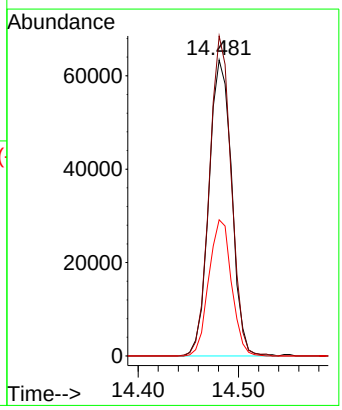


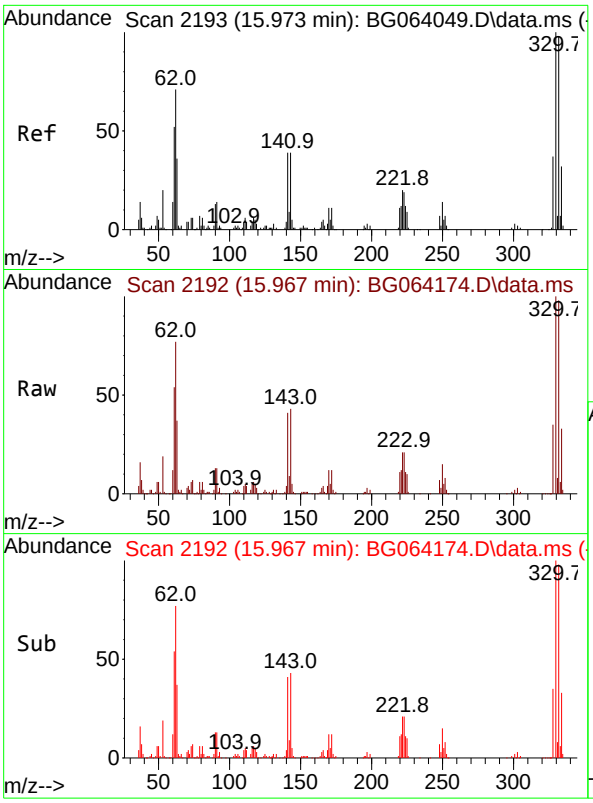


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:164 Resp: 99612

Ion	Ratio	Lower	Upper
164	100		
162	108.1	81.4	122.0
160	46.0	37.0	55.6



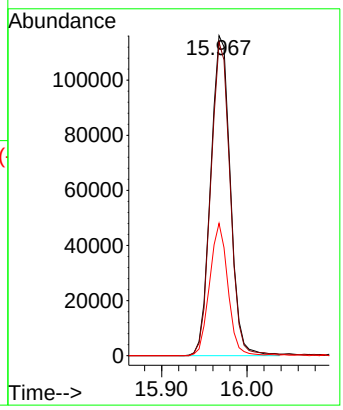


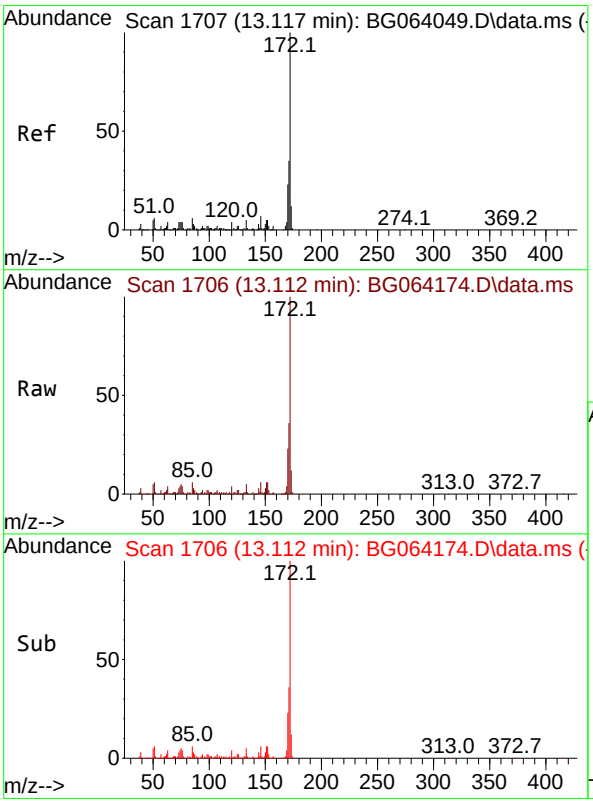
#42
2,4,6-Tribromophenol
Concen: 167.979 ng
RT: 15.967 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:330 Resp: 185996

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	38.8	29.7	44.5

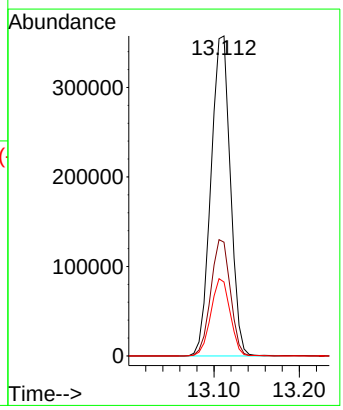


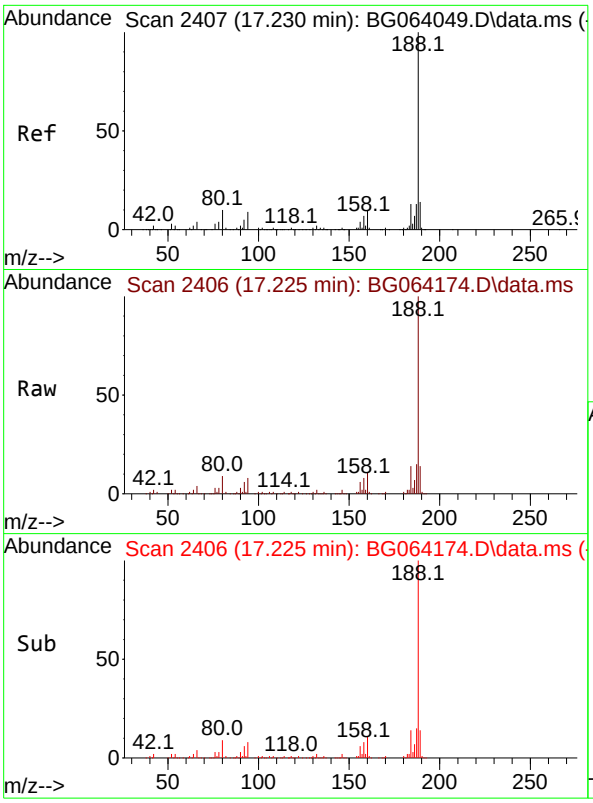


#45
2-Fluorobiphenyl
Concen: 86.218 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:172 Resp: 565811

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	23.1	18.7	28.1



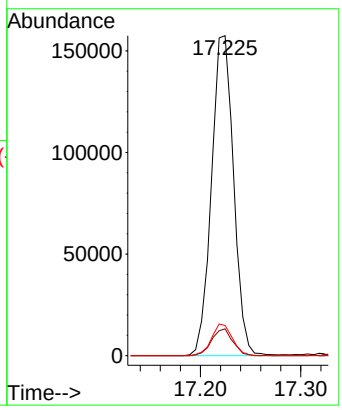


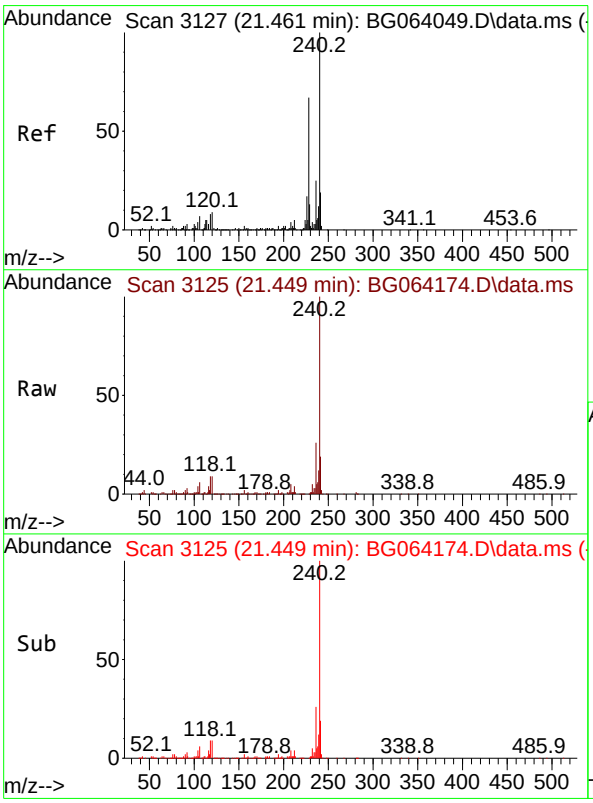
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:188 Resp: 240876

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.5	8.1	12.1

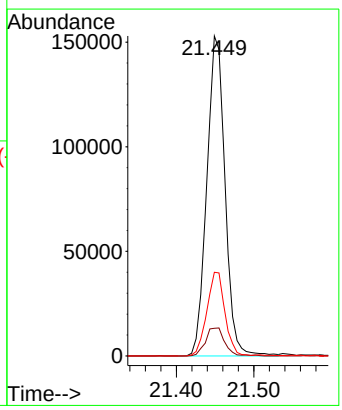


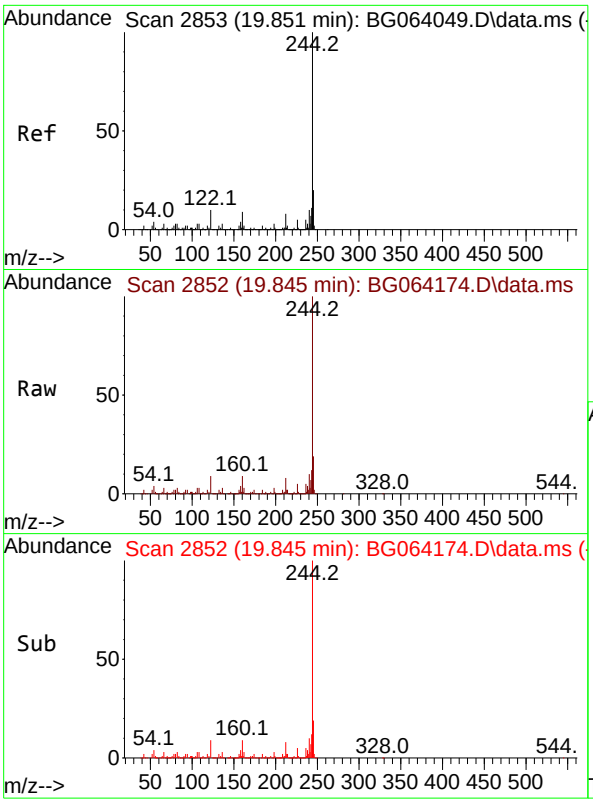


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:240 Resp: 250147

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.2	10.8
236	26.1	20.2	30.2



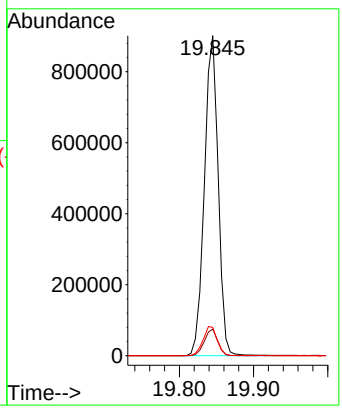


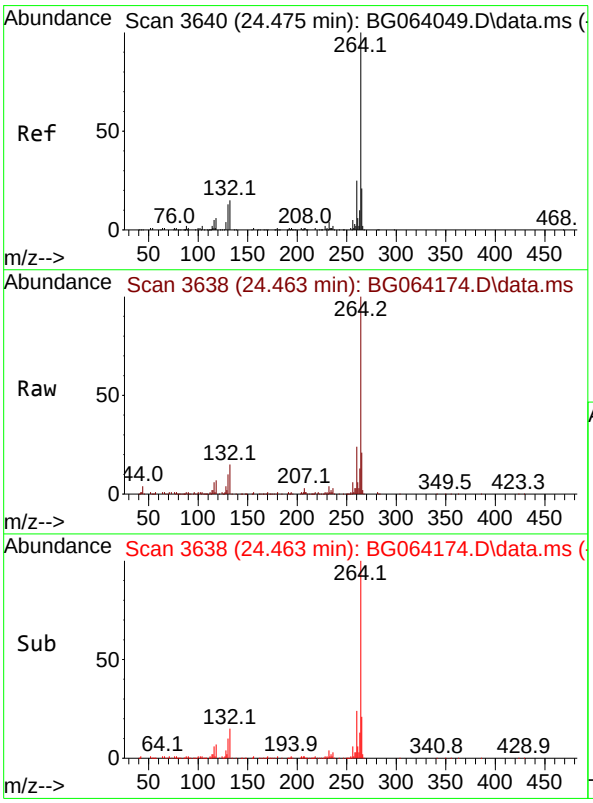
#79
Terphenyl-d14
Concen: 94.229 ng
RT: 19.845 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:244 Resp: 1165740

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	8.8	8.0	12.0

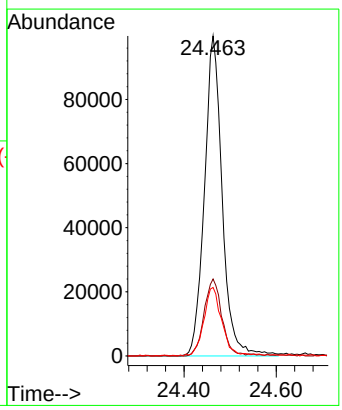




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.463 min Scan# 3638
Delta R.T. -0.012 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:264 Resp: 267703

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.4	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.980	314	322	328	rBV	174341	240802	7.03%	1.831%
2	5.444	395	401	410	rBV	671903	1033468	30.17%	7.857%
3	6.055	499	505	510	rBV	28281	40877	1.19%	0.311%
4	7.025	663	670	680	rBV	714194	1192518	34.81%	9.066%
5	7.859	806	812	820	rBV2	109748	186153	5.43%	1.415%
6	9.011	998	1008	1016	rBV	442754	751810	21.94%	5.716%
7	10.644	1279	1286	1294	rBV	154148	275142	8.03%	2.092%
8	13.106	1698	1705	1713	rBV	1156639	1817880	53.06%	13.821%
9	14.481	1932	1939	1948	rVB	299055	458440	13.38%	3.485%
10	15.967	2185	2192	2202	rBV	1116194	1693871	49.44%	12.878%
11	17.225	2398	2406	2414	rBV2	411852	623356	18.20%	4.739%
12	19.845	2845	2852	2862	rBV	2628839	3425970	100.00%	26.047%
13	21.449	3119	3125	3132	rBV	427426	698393	20.39%	5.310%
14	24.463	3629	3638	3652	rVB	271998	714450	20.85%	5.432%

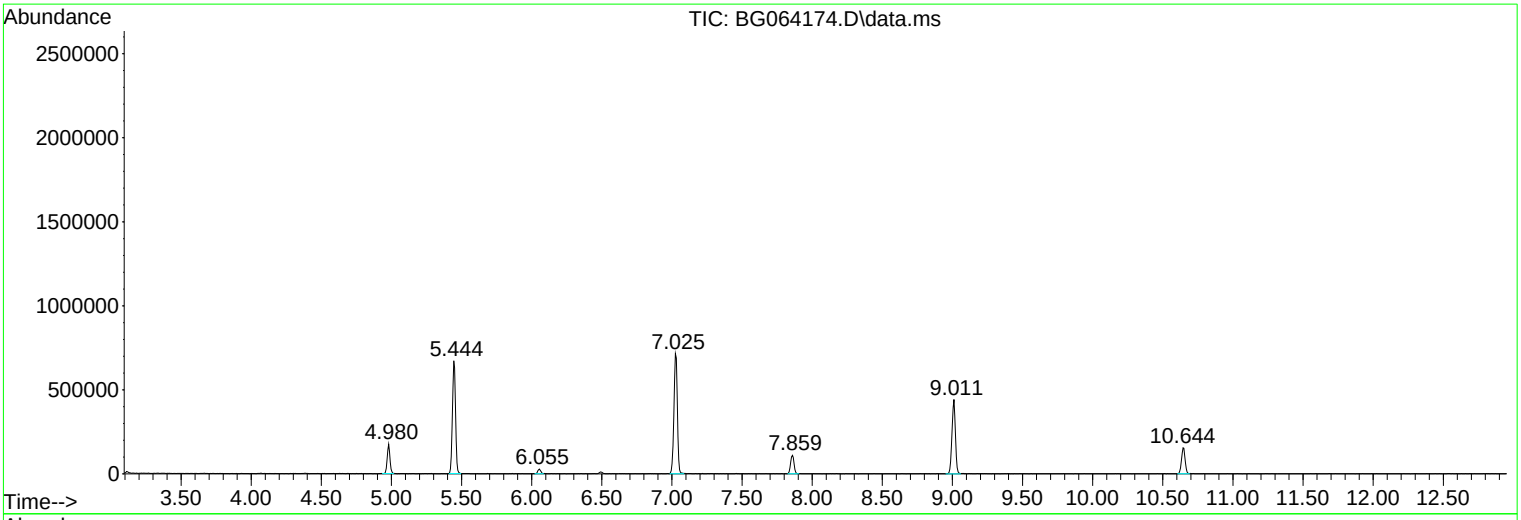
Sum of corrected areas: 13153130

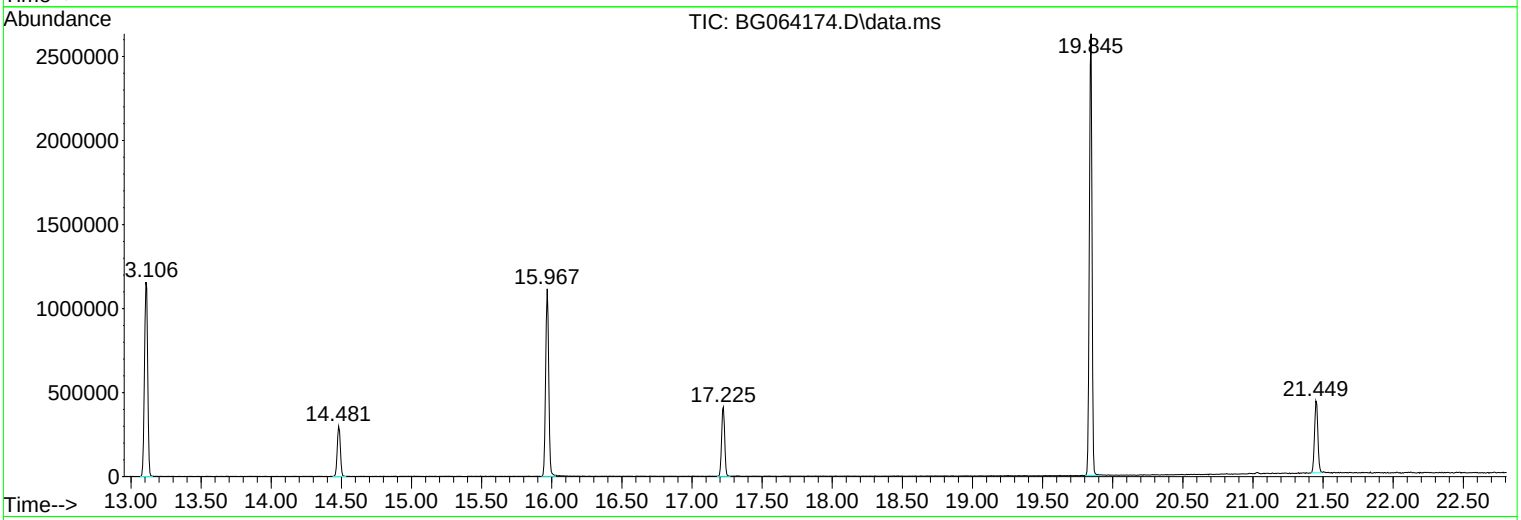
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

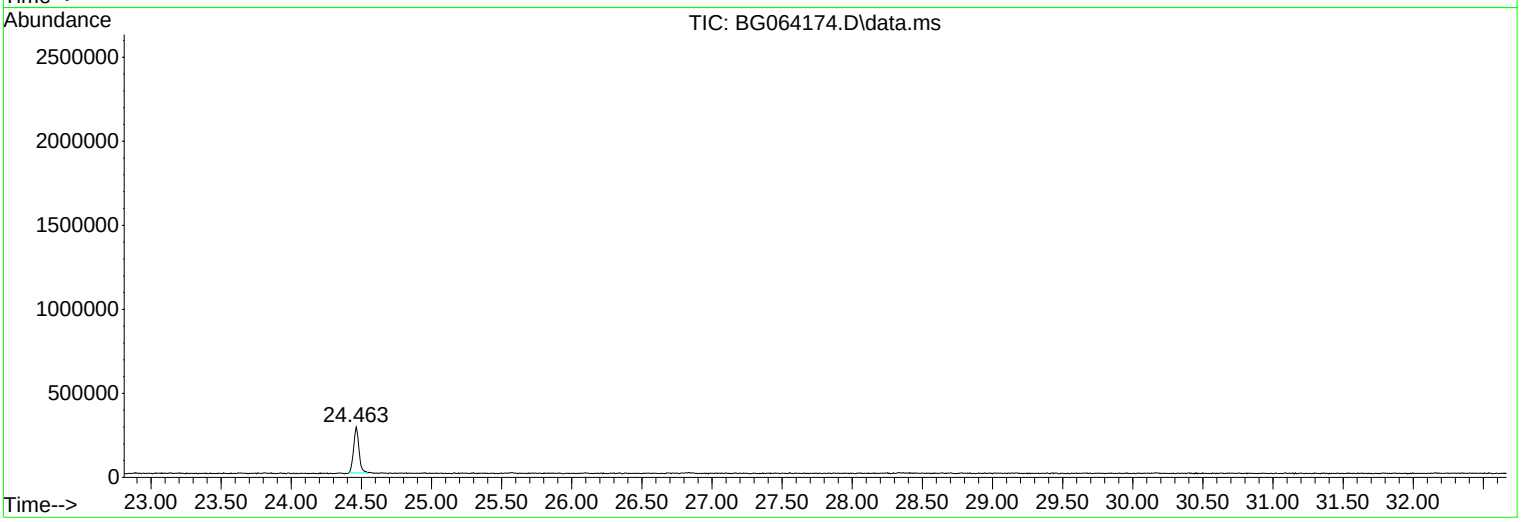
Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On    :  3 Apr 2025  19:58
Operator  : RC/JU
Sample    : PB167451BL
Misc      :
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

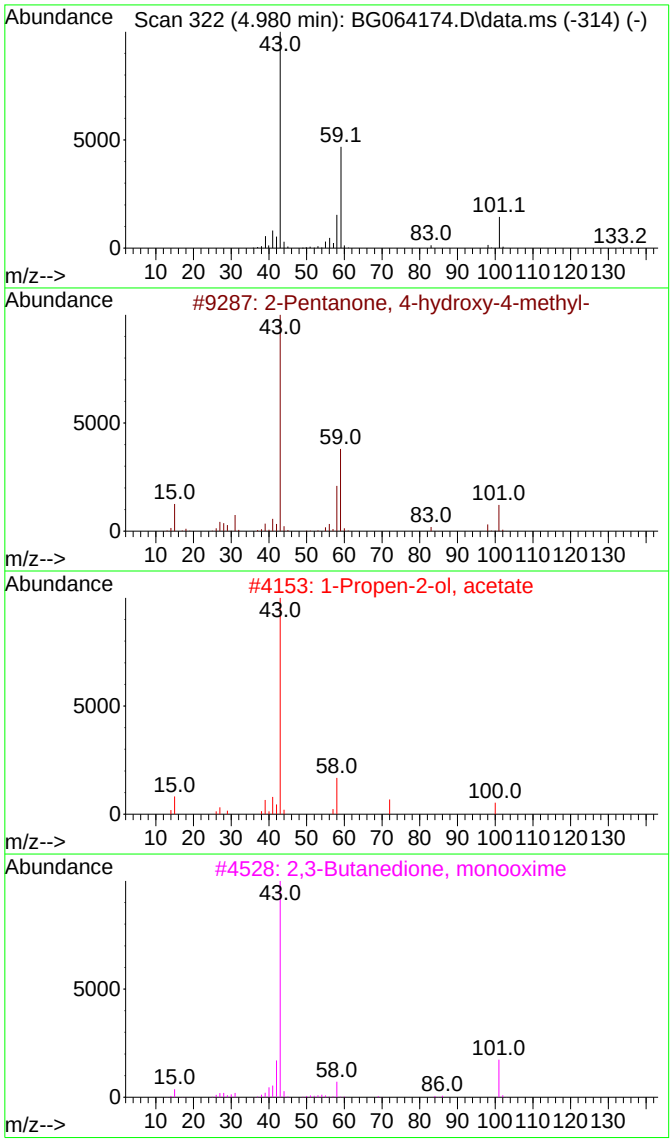
Instrument :
BNA_G
ClientSampleId :
PB167451BL

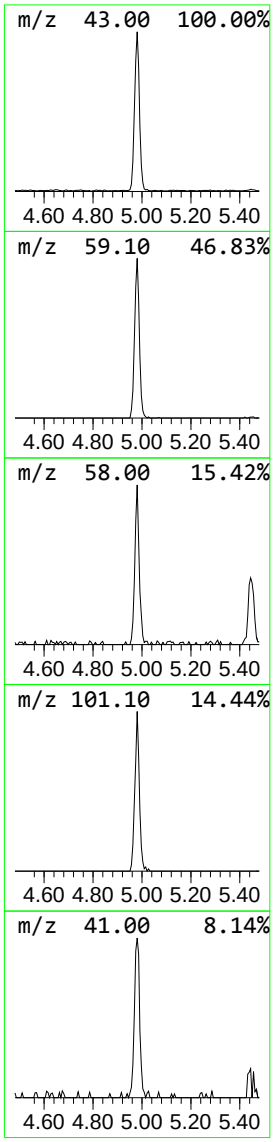
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.980	25.87 ng	240802	1,4-Dichlorobenzene-d4	7.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	3-Nonyl acetate	186	C11H22O2	1010429-16-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

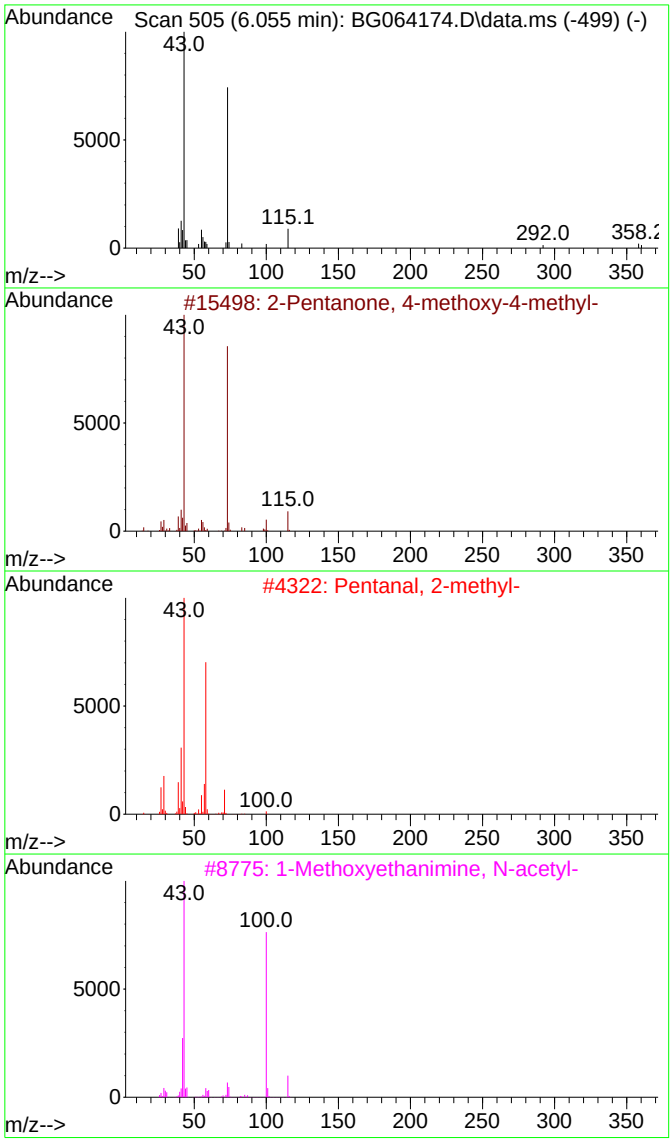
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

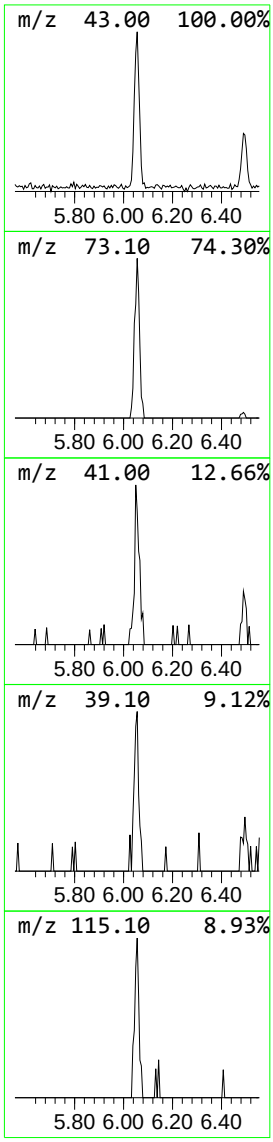
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.055	4.39 ng	40877	1,4-Dichlorobenzene-d4	7.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	64
2	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	12
3	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	10
4	N-Ethylformamide	73	C3H7NO	000627-45-2	10
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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-...	4.980	25.9	ng	240802	1	7.853	186153	20.0
2-Pentanone, 4-...	6.055	4.4	ng	40877	1	7.853	186153	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064175.D
Acq On : 3 Apr 2025 20:38
Operator : RC/JU
Sample : PB167451BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.856	152	27724	20.000	ng		0.00
21) Naphthalene-d8	10.646	136	127043	20.000	ng		0.00
39) Acenaphthene-d10	14.483	164	99227	20.000	ng		0.00
64) Phenanthrene-d10	17.221	188	235595	20.000	ng		0.00
76) Chrysene-d12	21.457	240	232442	20.000	ng		0.00
86) Perylene-d12	24.465	264	250687	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.447	112	273370	153.965	ng		0.00
7) Phenol-d6	7.027	99	369305	152.895	ng		0.00
23) Nitrobenzene-d5	9.013	82	252836	109.980	ng		0.00
42) 2,4,6-Tribromophenol	15.970	330	206326	187.063	ng		0.00
45) 2-Fluorobiphenyl	13.108	172	625714	95.716	ng		0.00
79) Terphenyl-d14	19.842	244	1181105	102.743	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.361	88	22821	28.360	ng		87
3) Pyridine	3.749	79	72085	36.835	ng		99
4) n-Nitrosodimethylamine	3.660	42	59160	42.311	ng		98
6) Aniline	7.186	93	81316	34.308	ng		96
8) 2-Chlorophenol	7.427	128	104021	54.548	ng		97
9) Benzaldehyde	6.998	77	59463	42.329	ng		93
10) Phenol	7.056	94	132073	53.406	ng		94
11) bis(2-Chloroethyl)ether	7.286	93	90315	46.583	ng		96
12) 1,3-Dichlorobenzene	7.750	146	98739	47.152	ng		96
13) 1,4-Dichlorobenzene	7.897	146	101460	47.270	ng		97
14) 1,2-Dichlorobenzene	8.208	146	101004	48.800	ng		95
15) Benzyl Alcohol	8.091	79	103667	55.540	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.384	45	209856	48.138	ng		99
17) 2-Methylphenol	8.296	107	92668	56.460	ng		99
18) Hexachloroethane	8.937	117	39888	53.115	ng		94
19) n-Nitroso-di-n-propyla...	8.660	70	85464	50.417	ng		99
20) 3+4-Methylphenols	8.625	107	130529	57.767	ng		96
22) Acetophenone	8.672	105	167288	48.026	ng		98
24) Nitrobenzene	9.054	77	127515	53.672	ng	#	96
25) Isophorone	9.577	82	242940	52.797	ng	#	95
26) 2-Nitrophenol	9.759	139	56117	63.620	ng	#	90
27) 2,4-Dimethylphenol	9.824	122	113861	82.542	ng		99
28) bis(2-Chloroethoxy)met...	10.059	93	138485	49.641	ng		99
29) 2,4-Dichlorophenol	10.294	162	105181	60.386	ng		99
30) 1,2,4-Trichlorobenzene	10.511	180	107026	50.900	ng		95
31) Naphthalene	10.699	128	333528	48.686	ng		99
32) Benzoic acid	9.977	122	78807	59.641	ng		97
33) 4-Chloroaniline	10.805	127	30844	12.319	ng		98
34) Hexachlorobutadiene	10.987	225	72158	52.355	ng		96
35) Caprolactam	11.569	113	38445m	57.596	ng		
36) 4-Chloro-3-methylphenol	11.933	107	141004	61.757	ng		97
37) 2-Methylnaphthalene	12.303	142	226997	46.937	ng		97
38) 1-Methylnaphthalene	12.527	142	245040	51.718	ng		98
40) 1,2,4,5-Tetrachloroben...	12.679	216	135050	47.673	ng	#	98
41) Hexachlorocyclopentadiene	12.662	237	200978	252.069	ng		93
43) 2,4,6-Trichlorophenol	12.914	196	95761	57.356	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064175.D
Acq On : 3 Apr 2025 20:38
Operator : RC/JU
Sample : PB167451BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	108252	58.352	ng		98
46) 1,1'-Biphenyl	13.320	154	364524	48.625	ng		98
47) 2-Chloronaphthalene	13.361	162	266516	48.745	ng		97
48) 2-Nitroaniline	13.561	65	106702	56.697	ng		97
49) Acenaphthylene	14.207	152	463864	53.637	ng		99
50) Dimethylphthalate	13.943	163	373757	51.027	ng		99
51) 2,6-Dinitrotoluene	14.054	165	82641	55.081	ng		95
52) Acenaphthene	14.548	154	283336	48.819	ng		98
53) 3-Nitroaniline	14.383	138	30973	21.879	ng		93
54) 2,4-Dinitrophenol	14.595	184	103147	157.964	ng	#	78
55) Dibenzofuran	14.883	168	458251	48.739	ng		99
56) 4-Nitrophenol	14.700	139	148840	125.363	ng	#	89
57) 2,4-Dinitrotoluene	14.841	165	124141	59.593	ng	#	98
58) Fluorene	15.535	166	373934	51.063	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.106	232	108848	60.184	ng		95
60) Diethylphthalate	15.312	149	415297	52.228	ng		99
61) 4-Chlorophenyl-phenyle...	15.529	204	185302	50.920	ng		90
62) 4-Nitroaniline	15.547	138	85117	55.690	ng		93
63) Azobenzene	15.817	77	410613	48.392	ng		99
65) 4,6-Dinitro-2-methylph...	15.611	198	74018	68.512	ng		93
66) n-Nitrosodiphenylamine	15.740	169	343772	51.549	ng		99
67) 4-Bromophenyl-phenylether	16.422	248	126083	52.253	ng		96
68) Hexachlorobenzene	16.534	284	137848	51.029	ng		99
69) Atrazine	16.692	200	140300	71.503	ng		97
70) Pentachlorophenol	16.874	266	186580	111.241	ng		99
71) Phenanthrene	17.268	178	635172	50.546	ng		98
72) Anthracene	17.356	178	648466	51.897	ng		99
73) Carbazole	17.626	167	588835	50.473	ng		98
74) Di-n-butylphthalate	18.196	149	727823	53.000	ng		100
75) Fluoranthene	19.277	202	742513	49.013	ng		97
77) Benzidine	19.454	184	189136	58.762	ng		97
78) Pyrene	19.636	202	770248	51.406	ng		99
80) Butylbenzylphthalate	20.535	149	329008	57.719	ng		98
81) Benzo(a)anthracene	21.434	228	781366	52.478	ng		99
82) 3,3'-Dichlorobenzidine	21.357	252	130385	27.058	ng		94
83) Chrysene	21.498	228	736885	49.620	ng		99
84) Bis(2-ethylhexyl)phtha...	21.363	149	486302	60.391	ng		99
85) Di-n-octyl phthalate	22.509	149	828678	59.663	ng		98
87) Indeno(1,2,3-cd)pyrene	27.867	276	917101	54.677	ng	#	96
88) Benzo(b)fluoranthene	23.520	252	764913	50.473	ng		99
89) Benzo(k)fluoranthene	23.584	252	763585	50.224	ng		100
90) Benzo(a)pyrene	24.330	252	741942	54.971	ng		98
91) Dibenzo(a,h)anthracene	27.926	278	749744	53.918	ng		98
92) Benzo(g,h,i)perylene	28.925	276	722475	50.605	ng		97

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

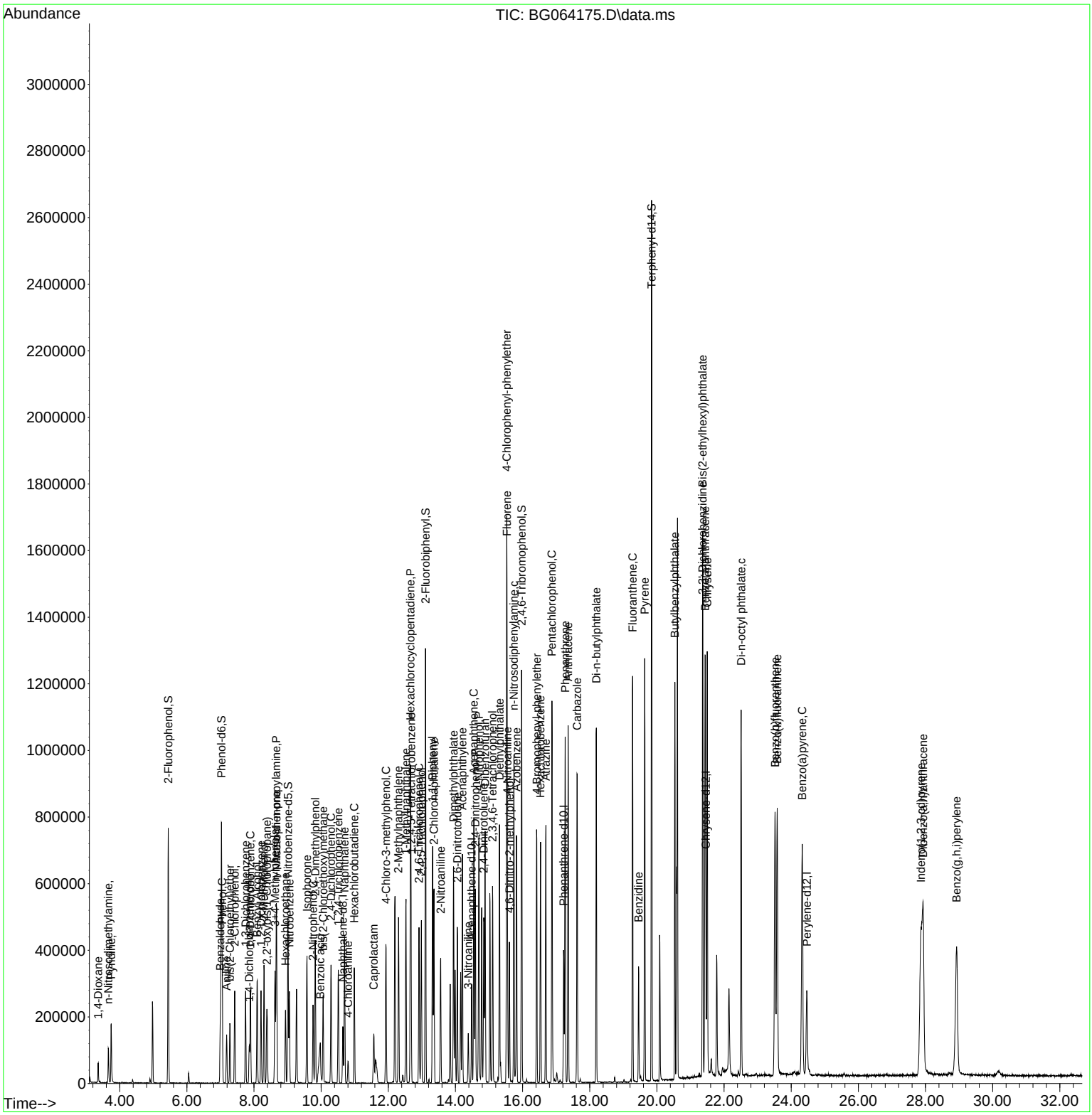
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064175.D
Acq On : 3 Apr 2025 20:38
Operator : RC/JU
Sample : PB167451BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064176.D
Acq On : 3 Apr 2025 21:19
Operator : RC/JU
Sample : PB167451BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 01:47:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.861	152	28303	20.000	ng		0.00
21) Naphthalene-d8	10.646	136	133092	20.000	ng		-0.01
39) Acenaphthene-d10	14.483	164	102019	20.000	ng		0.00
64) Phenanthrene-d10	17.226	188	241112	20.000	ng		0.00
76) Chrysene-d12	21.457	240	247153	20.000	ng		0.00
86) Perylene-d12	24.465	264	262161	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	273335	150.796	ng		0.00
7) Phenol-d6	7.032	99	363878	147.566	ng		0.00
23) Nitrobenzene-d5	9.012	82	254551	105.694	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	210729	185.826	ng		0.00
45) 2-Fluorobiphenyl	13.108	172	622132	92.563	ng		0.00
79) Terphenyl-d14	19.847	244	1226464	100.339	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.360	88	24747	30.125	ng	#	90
3) Pyridine	3.742	79	72843	36.461	ng		94
4) n-Nitrosodimethylamine	3.660	42	61533	43.108	ng		93
6) Aniline	7.185	93	84711	35.010	ng		99
8) 2-Chlorophenol	7.426	128	106030	54.465	ng		97
9) Benzaldehyde	6.997	77	57799	40.303	ng		93
10) Phenol	7.056	94	133538	52.894	ng		93
11) bis(2-Chloroethyl)ether	7.279	93	88654	44.791	ng		96
12) 1,3-Dichlorobenzene	7.749	146	102295	47.850	ng		96
13) 1,4-Dichlorobenzene	7.896	146	106184	48.458	ng		96
14) 1,2-Dichlorobenzene	8.213	146	103492	48.980	ng		97
15) Benzyl Alcohol	8.096	79	108365	56.870	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.390	45	212871	47.830	ng		98
17) 2-Methylphenol	8.296	107	95267	56.856	ng		97
18) Hexachloroethane	8.936	117	41193	53.731	ng		95
19) n-Nitroso-di-n-propyla...	8.660	70	86738	50.122	ng		97
20) 3+4-Methylphenols	8.625	107	130993	56.786	ng		93
22) Acetophenone	8.678	105	167191	45.817	ng	#	98
24) Nitrobenzene	9.054	77	130832	52.565	ng		98
25) Isophorone	9.576	82	238760	49.530	ng	#	95
26) 2-Nitrophenol	9.765	139	56784	61.899	ng		96
27) 2,4-Dimethylphenol	9.823	122	110657	76.574	ng		97
28) bis(2-Chloroethoxy)met...	10.058	93	139396	47.697	ng		98
29) 2,4-Dichlorophenol	10.293	162	106169	58.183	ng		100
30) 1,2,4-Trichlorobenzene	10.511	180	106216	48.218	ng		99
31) Naphthalene	10.699	128	337756	47.063	ng		99
32) Benzoic acid	9.976	122	78160m	56.926	ng		
33) 4-Chloroaniline	10.804	127	29950	11.418	ng		98
34) Hexachlorobutadiene	10.987	225	72881	50.477	ng		96
35) Caprolactam	11.574	113	40627m	58.099	ng		
36) 4-Chloro-3-methylphenol	11.933	107	138667	57.973	ng		98
37) 2-Methylnaphthalene	12.309	142	231571	45.707	ng		99
38) 1-Methylnaphthalene	12.526	142	250615	50.490	ng		100
40) 1,2,4,5-Tetrachloroben...	12.679	216	132937	45.643	ng	#	95
41) Hexachlorocyclopentadiene	12.661	237	207064	252.595	ng		97
43) 2,4,6-Trichlorophenol	12.914	196	97758	56.949	ng		95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064176.D
Acq On : 3 Apr 2025 21:19
Operator : RC/JU
Sample : PB167451BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 01:47:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.984	196	109209	57.257	ng		97
46) 1,1'-Biphenyl	13.319	154	366417	47.540	ng		98
47) 2-Chloronaphthalene	13.360	162	275172	48.951	ng		98
48) 2-Nitroaniline	13.560	65	108592	56.226	ng		97
49) Acenaphthylene	14.206	152	477520	53.705	ng		99
50) Dimethylphthalate	13.942	163	381580	50.669	ng		99
51) 2,6-Dinitrotoluene	14.059	165	82465	53.558	ng		96
52) Acenaphthene	14.547	154	282136	47.281	ng		99
53) 3-Nitroaniline	14.383	138	31715	21.790	ng		96
54) 2,4-Dinitrophenol	14.594	184	105922	157.784	ng	#	70
55) Dibenzofuran	14.882	168	463105	47.907	ng		96
56) 4-Nitrophenol	14.700	139	153028	125.363	ng		90
57) 2,4-Dinitrotoluene	14.847	165	131963	61.490	ng	#	98
58) Fluorene	15.534	166	382424	50.793	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.111	232	111984	60.224	ng	#	94
60) Diethylphthalate	15.311	149	419250	51.282	ng		99
61) 4-Chlorophenyl-phenyle...	15.528	204	191460	51.173	ng		91
62) 4-Nitroaniline	15.552	138	86814	55.246	ng		92
63) Azobenzene	15.822	77	414254	47.485	ng		97
65) 4,6-Dinitro-2-methylph...	15.611	198	78477	70.683	ng		94
66) n-Nitrosodiphenylamine	15.740	169	350536	51.361	ng		98
67) 4-Bromophenyl-phenylether	16.421	248	130700	52.927	ng		94
68) Hexachlorobenzene	16.533	284	144837	52.389	ng		98
69) Atrazine	16.692	200	143980	71.699	ng		93
70) Pentachlorophenol	16.880	266	194044	113.044	ng		98
71) Phenanthrene	17.267	178	654476	50.891	ng		99
72) Anthracene	17.356	178	682335	53.358	ng		98
73) Carbazole	17.626	167	618082	51.768	ng		99
74) Di-n-butylphthalate	18.196	149	743858	52.928	ng		99
75) Fluoranthene	19.277	202	768518	49.569	ng		97
77) Benzidine	19.459	184	209165	61.117	ng		99
78) Pyrene	19.635	202	793876	49.829	ng		100
80) Butylbenzylphthalate	20.534	149	342298	56.555	ng		98
81) Benzo(a)anthracene	21.439	228	811117	51.233	ng		99
82) 3,3'-Dichlorobenzidine	21.357	252	130164	25.404	ng	#	97
83) Chrysene	21.498	228	763254	48.337	ng		99
84) Bis(2-ethylhexyl)phtha...	21.369	149	494996	57.812	ng		98
85) Di-n-octyl phthalate	22.508	149	861580	58.339	ng		98
87) Indeno(1,2,3-cd)pyrene	27.873	276	948603	54.080	ng	#	96
88) Benzo(b)fluoranthene	23.519	252	804926	50.789	ng		99
89) Benzo(k)fluoranthene	23.584	252	780833	49.111	ng		99
90) Benzo(a)pyrene	24.330	252	761854	53.976	ng		96
91) Dibenzo(a,h)anthracene	27.926	278	786562	54.090	ng		97
92) Benzo(g,h,i)perylene	28.924	276	743203	49.778	ng		96

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

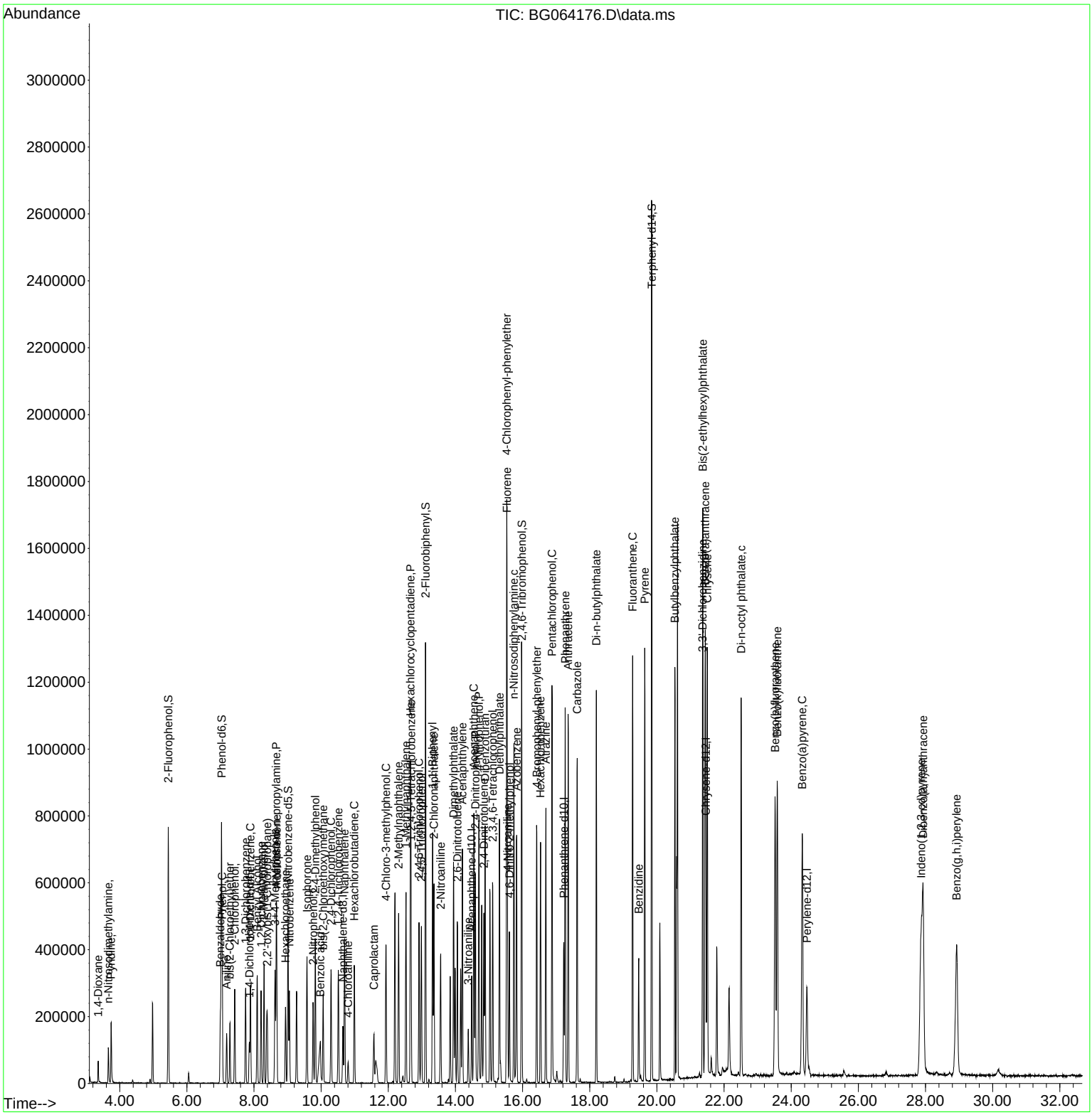
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064176.D
Acq On : 3 Apr 2025 21:19
Operator : RC/JU
Sample : PB167451BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 01:47:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



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

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG040325	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064164.D	Benzoic acid	anahy	4/4/2025 10:53:43 AM	Jagrut	4/4/2025 11:51:59 AM	Peak Integrated by Software
PB167451BS	BG064175.D	Caprolactam	Rahul	4/4/2025 11:47:18 AM	Jagrut	4/4/2025 11:52:15 AM	Peak Integrated by Software
PB167451BSD	BG064176.D	Benzoic acid	Rahul	4/4/2025 11:47:21 AM	Jagrut	4/4/2025 11:52:17 AM	Peak Integrated by Software
PB167451BSD	BG064176.D	Caprolactam	Rahul	4/4/2025 11:47:21 AM	Jagrut	4/4/2025 11:52:17 AM	Peak Integrated by Software
SSTDCCC040	BG064180.D	2,3,4,6-Tetrachlorophenol	Rahul	4/4/2025 11:47:25 AM	Jagrut	4/4/2025 11:52:22 AM	Peak Integrated by Software
SSTDCCC040	BG064180.D	Benzoic acid	Rahul	4/4/2025 11:47:25 AM	Jagrut	4/4/2025 11:52:22 AM	Peak Integrated by Software

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064163.D	3 Apr 2025 12:24	RC/JU	Ok
2	SSTDCCC040	BG064164.D	3 Apr 2025 13:04	RC/JU	Ok,M
3	PB167380BL	BG064165.D	3 Apr 2025 13:45	RC/JU	Ok
4	PB167380BS	BG064166.D	3 Apr 2025 14:25	RC/JU	Ok,M
5	PB167376BL	BG064167.D	3 Apr 2025 15:13	RC/JU	Ok
6	PB167417BS	BG064168.D	3 Apr 2025 15:54	RC/JU	Ok,M
7	PB167393TB	BG064169.D	3 Apr 2025 16:34	RC/JU	Ok
8	PB167376BS	BG064170.D	3 Apr 2025 17:15	RC/JU	Ok,M
9	PB167393BL	BG064171.D	3 Apr 2025 17:56	RC/JU	Ok
10	PB167376BSD	BG064172.D	3 Apr 2025 18:36	RC/JU	Ok,M
11	PB167393BS	BG064173.D	3 Apr 2025 19:17	RC/JU	Ok,M
12	PB167451BL	BG064174.D	3 Apr 2025 19:58	RC/JU	Ok
13	PB167451BS	BG064175.D	3 Apr 2025 20:38	RC/JU	Ok,M
14	PB167451BSD	BG064176.D	3 Apr 2025 21:19	RC/JU	Ok,M
15	PB167445BS	BG064177.D	3 Apr 2025 22:00	RC/JU	Ok,M
16	Q1690-01	BG064178.D	3 Apr 2025 22:40	RC/JU	Ok
17	DFTPP	BG064179.D	3 Apr 2025 23:21	RC/JU	Ok
18	SSTDCCC040	BG064180.D	4 Apr 2025 00:02	RC/JU	Ok,M
19	PB167445BL	BG064181.D	4 Apr 2025 00:42	RC/JU	Ok
20	PB167408TB	BG064182.D	4 Apr 2025 1:23	RC/JU	Ok
21	Q1680-04	BG064183.D	4 Apr 2025 2:04	RC/JU	Ok

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1680-04MS	BG064184.D	4 Apr 2025 2:44	RC/JU	Ok,M
23	Q1680-04MSD	BG064185.D	4 Apr 2025 3:25	RC/JU	Ok,M
24	Q1681-04	BG064186.D	4 Apr 2025 4:05	RC/JU	Ok
25	Q1693-04	BG064187.D	4 Apr 2025 4:46	RC/JU	Ok
26	Q1693-08	BG064188.D	4 Apr 2025 5:26	RC/JU	Ok
27	Q1693-12	BG064189.D	4 Apr 2025 6:07	RC/JU	Ok
28	Q1694-04	BG064190.D	4 Apr 2025 6:47	RC/JU	Ok
29	Q1695-04	BG064191.D	4 Apr 2025 7:27	RC/JU	Ok
30	Q1695-08	BG064192.D	4 Apr 2025 8:08	RC/JU	Ok
31	Q1705-02	BG064193.D	4 Apr 2025 8:48	RC/JU	Ok
32	Q1705-01	BG064194.D	4 Apr 2025 9:28	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064163.D	3 Apr 2025 12:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064164.D	3 Apr 2025 13:04		RC/JU	Ok,M
3	PB167380BL	PB167380BL	BG064165.D	3 Apr 2025 13:45		RC/JU	Ok
4	PB167380BS	PB167380BS	BG064166.D	3 Apr 2025 14:25		RC/JU	Ok,M
5	PB167376BL	PB167376BL	BG064167.D	3 Apr 2025 15:13		RC/JU	Ok
6	PB167417BS	PB167417BS	BG064168.D	3 Apr 2025 15:54		RC/JU	Ok,M
7	PB167393TB	PB167393TB	BG064169.D	3 Apr 2025 16:34		RC/JU	Ok
8	PB167376BS	PB167376BS	BG064170.D	3 Apr 2025 17:15		RC/JU	Ok,M
9	PB167393BL	PB167393BL	BG064171.D	3 Apr 2025 17:56		RC/JU	Ok
10	PB167376BSD	PB167376BSD	BG064172.D	3 Apr 2025 18:36		RC/JU	Ok,M
11	PB167393BS	PB167393BS	BG064173.D	3 Apr 2025 19:17		RC/JU	Ok,M
12	PB167451BL	PB167451BL	BG064174.D	3 Apr 2025 19:58		RC/JU	Ok
13	PB167451BS	PB167451BS	BG064175.D	3 Apr 2025 20:38		RC/JU	Ok,M
14	PB167451BSD	PB167451BSD	BG064176.D	3 Apr 2025 21:19		RC/JU	Ok,M
15	PB167445BS	PB167445BS	BG064177.D	3 Apr 2025 22:00		RC/JU	Ok,M
16	Q1690-01	MW112010	BG064178.D	3 Apr 2025 22:40	Surrogate Fail	RC/JU	Ok
17	DFTPP	DFTPP	BG064179.D	3 Apr 2025 23:21		RC/JU	Ok
18	SSTDCCC040	SSTDCCC040	BG064180.D	4 Apr 2025 00:02		RC/JU	Ok,M

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB167445BL	PB167445BL	BG064181.D	4 Apr 2025 00:42		RC/JU	Ok
20	PB167408TB	PB167408TB	BG064182.D	4 Apr 2025 1:23		RC/JU	Ok
21	Q1680-04	TP-4	BG064183.D	4 Apr 2025 2:04		RC/JU	Ok
22	Q1680-04MS	TP-4MS	BG064184.D	4 Apr 2025 2:44		RC/JU	Ok,M
23	Q1680-04MSD	TP-4MSD	BG064185.D	4 Apr 2025 3:25		RC/JU	Ok,M
24	Q1681-04	TP-12	BG064186.D	4 Apr 2025 4:05		RC/JU	Ok
25	Q1693-04	WCS-TP-3	BG064187.D	4 Apr 2025 4:46		RC/JU	Ok
26	Q1693-08	WCS-TP-2	BG064188.D	4 Apr 2025 5:26		RC/JU	Ok
27	Q1693-12	WCS-TP-1	BG064189.D	4 Apr 2025 6:07		RC/JU	Ok
28	Q1694-04	TP-18	BG064190.D	4 Apr 2025 6:47		RC/JU	Ok
29	Q1695-04	TT-2	BG064191.D	4 Apr 2025 7:27		RC/JU	Ok
30	Q1695-08	TT-3	BG064192.D	4 Apr 2025 8:08		RC/JU	Ok
31	Q1705-02	ETGI-275	BG064193.D	4 Apr 2025 8:48		RC/JU	Ok
32	Q1705-01	ETGI-327	BG064194.D	4 Apr 2025 9:28		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167451

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/03/2025
Matrix :	Water			**Extraction Start Time :**	10:10
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	04/03/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:05
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

Extraction Method: ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
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	E3904
Baked Na2SO4	N/A	EP2595
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/03/25	RP (EA Lab)	RC/SVOC
15:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167451

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

Concentration Date: 04/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167451BL	SBLK451	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			SEP-13
PB167451BS	SLCS451	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			14
PB167451BSD	SLCSD451	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			15
Q1690-01	MW112010	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1	D		16

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

UL3125

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1690 **WorkList ID :** 188716 **Department :** Extraction **Date :** 04-03-2025 10:09:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1690-01	MW112010	Water	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	I31	03/31/2025	8270E

Date/Time 04/03/25 10:09
Raw Sample Received by: RJ (Ecol Lab)
Raw Sample Relinquished by: [illegible]

Date/Time 04/03/25 10:20
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: RI (Ecol Lab)

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LAB CHRONICLE

OrderID:	Q1690	**OrderDate:**	4/1/2025 12:32:10 PM
Client:	G Environmental	**Project:**	TGP
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	**MW112010**	**Water**			**03/31/25**			**04/01/25**
			SVOC-SIMGroup1	8270-Modified		04/02/25	04/03/25	
			SVOC-TCL BNA -20	8270E		04/03/25	04/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1690

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036819.D	1	04/02/25 14:40	04/03/25 13:00	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (30) - 150 (150)	104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		30 (27) - 130 (154)	70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.24		30 (25) - 130 (149)	61%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		30 (54) - 130 (175)	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2450	7.695			
1146-65-2	Naphthalene-d8	6320	10.477			
15067-26-2	Acenaphthene-d10	4480	14.334			
1517-22-2	Phenanthrene-d10	9360	17.074			
1719-03-5	Chrysene-d12	9510	21.268			
1520-96-3	Perylene-d12	8770	23.51			

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167430BL	PB167430BL	2-Methylnaphthalene-d10	0.4	0.35	87		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.33	82		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	87		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.37	91		30 (54)	130 (175)
PB167430BS	PB167430BS	2-Methylnaphthalene-d10	0.4	0.40	101		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	88		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.31	77		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	88		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.34	86		30 (54)	130 (175)
PB167430BSD	PB167430BSD	2-Methylnaphthalene-d10	0.4	0.43	108		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	86		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.31	78		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	87		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.36	90		30 (54)	130 (175)
Q1690-01	MW112010	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	104		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.28	70		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.24	61		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.36	91		30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270-Modified **DataFile:** BN036826.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167430BS	1,4-Dioxane	0.4	0.35	ug/L	88				20 (42)	160 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270-Modified **DataFile:** BN036827.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167430BSD	1,4-Dioxane	0.4	0.35	ug/L	88	0			20 (42)	160 (127)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167430BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BN036818.D Lab Sample ID: PB167430BL

Instrument ID: BNA_N Date Extracted: 04/02/2025

Matrix: (soil/water) Water Date Analyzed: 04/03/2025

Level: (low/med) LOW Time Analyzed: 12:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167430BS	PB167430BS	BN036826.D	04/03/2025
MW112010	Q1690-01	BN036819.D	04/03/2025
PB167430BSD	PB167430BSD	BN036827.D	04/03/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BN036556.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_N DFTPP Injection Time: 11:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	58.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	52.3
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50.7
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	6.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	55.6
443	15.0 - 24.0% of mass 442	10.9 (19.6) 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
SSTDICC0.1	SSTDICC0.1	BN036557.D	03/10/2025	11:42
SSTDICC0.2	SSTDICC0.2	BN036558.D	03/10/2025	12:18
SSTDICCC0.4	SSTDICCC0.4	BN036559.D	03/10/2025	12:54
SSTDICC0.8	SSTDICC0.8	BN036560.D	03/10/2025	13:31
SSTDICC1.6	SSTDICC1.6	BN036561.D	03/10/2025	14:07
SSTDICC3.2	SSTDICC3.2	BN036562.D	03/10/2025	14:43
SSTDICC5.0	SSTDICC5.0	BN036563.D	03/10/2025	15:19

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BN036816.D DFTPP Injection Date: 04/03/2025

Instrument ID: BNA_N DFTPP Injection Time: 11:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.1
68	Less than 2.0% of mass 69	0.6 (1.1) 1
69	Mass 69 relative abundance	56.8
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	51.4
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	6.8
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.6
442	Greater than 50% of mass 198	51.1
443	15.0 - 24.0% of mass 442	10 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036817.D	04/03/2025	11:47
PB167430BL	PB167430BL	BN036818.D	04/03/2025	12:24
MW112010	Q1690-01	BN036819.D	04/03/2025	13:00
PB167430BS	PB167430BS	BN036826.D	04/03/2025	17:14
PB167430BSD	PB167430BSD	BN036827.D	04/03/2025	17:50

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/03/2025

Lab File ID: BN036817.D Time Analyzed: 11:47

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2349	7.696	5586	10.48	3520	14.33
	UPPER LIMIT	4698	8.196	11172	10.977	7040	14.834
	LOWER LIMIT	1174.5	7.196	2793	9.977	1760	13.834
	EPA SAMPLE NO.						
01	PB167430BL	2093	7.70	4883	10.48	2586	14.33
02	MW112010	2445	7.70	6318	10.48	4484	14.33
03	PB167430BS	2292	7.70	5542	10.48	3005	14.33
04	PB167430BSD	2152	7.70	5190	10.48	2805	14.33

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.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/03/2025

Lab File ID: BN036817.D Time Analyzed: 11:47

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	7454	17.074	6815	21.268	6111		23.514
	UPPER LIMIT	14908	17.574	13630	21.768	12222		24.014
	LOWER LIMIT	3727	16.574	3407.5	20.768	3055.5		23.014
	EPA SAMPLE NO.							
01	PB167430BL	5170	17.09	4213	21.28	1585	*	23.52
02	MW112010	9360	17.07	9514	21.27	8772		23.51
03	PB167430BS	6134	17.09	4706	21.28	2869	*	23.52
04	PB167430BSD	5710	17.09	4059	21.28	1954	*	23.52

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:	TGP			Date Received:	
Client Sample ID:	PB167430BL			SDG No.:	Q1690
Lab Sample ID:	PB167430BL			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036818.D	1	04/02/25 14:40	04/03/25 12:24	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.35		30 (20) - 150 (139)	87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (30) - 150 (150)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (25) - 130 (149)	87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2090	7.695			
1146-65-2	Naphthalene-d8	4880	10.477			
15067-26-2	Acenaphthene-d10	2590	14.334			
1517-22-2	Phenanthrene-d10	5170	17.086			
1719-03-5	Chrysene-d12	4210	21.277			
1520-96-3	Perylene-d12	1590	23.522			

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:	TGP			Date Received:	
Client Sample ID:	PB167430BS			SDG No.:	Q1690
Lab Sample ID:	PB167430BS			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036826.D	1	04/02/25 14:40	04/03/25 17:14	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.35		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.40		30 (20) - 150 (139)	101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (30) - 150 (150)	88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (25) - 130 (149)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.34		30 (54) - 130 (175)	86%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2290	7.695			
1146-65-2	Naphthalene-d8	5540	10.476			
15067-26-2	Acenaphthene-d10	3010	14.334			
1517-22-2	Phenanthrene-d10	6130	17.086			
1719-03-5	Chrysene-d12	4710	21.276			
1520-96-3	Perylene-d12	2870	23.516			

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
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167430BSD			SDG No.:	Q1690
Lab Sample ID:	PB167430BSD			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036827.D	1	04/02/25 14:40	04/03/25 17:50	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.35		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.43		30 (20) - 150 (139)	108%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (30) - 150 (150)	86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (25) - 130 (149)	87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		30 (54) - 130 (175)	90%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2150	7.695			
1146-65-2	Naphthalene-d8	5190	10.477			
15067-26-2	Acenaphthene-d10	2810	14.334			
1517-22-2	Phenanthrene-d10	5710	17.086			
1719-03-5	Chrysene-d12	4060	21.277			
1520-96-3	Perylene-d12	1950	23.516			

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_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 16:06:28 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN036557.D 0.2 =BN036558.D 0.4 =BN036559.D 0.8 =BN036560.D 1.6 =BN036561.D 3.2 =BN036562.D 5.0 =BN036563.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.434	0.439	0.498	0.451	0.440	0.445	0.399	0.444	6.60
3)		n-Nitrosodimet...	1.112	0.874	0.935	0.841	0.850	0.883	0.789	0.898	11.64
4)	S	2-Fluorophenol	0.931	0.908	0.987	0.878	0.914	0.996	0.911	0.932	4.67
5)	S	Phenol-d6	1.243	1.057	1.128	1.067	1.133	1.254	1.180	1.152	6.79
6)		bis(2-Chloroet...	1.426	1.150	1.183	1.129	1.132	1.210	1.104	1.190	9.22
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.572	0.396	0.415	0.401	0.402	0.450	0.411	0.435	14.47
9)		Naphthalene	1.371	1.125	1.206	1.111	1.108	1.222	1.094	1.177	8.45
10)		Hexachlorobuta...	0.296	0.283	0.294	0.267	0.261	0.286	0.251	0.277	6.24
11)	SURR	2-Methylnaphth...	0.656	0.549	0.606	0.562	0.577	0.633	0.581	0.595	6.55
12)		2-Methylnaphth...	0.810	0.696	0.765	0.703	0.734	0.802	0.731	0.749	6.03
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.181	0.160	0.187	0.169	0.188	0.197	0.188	0.182	7.04
15)	S	2-Fluorobiphenyl	2.208	1.982	2.398	2.350	2.364	2.566	2.419	2.327	7.96
16)		Acenaphthylene	1.882	1.756	1.938	1.794	1.834	2.074	1.935	1.888	5.66
17)		Acenaphthene	1.257	1.159	1.281	1.171	1.199	1.339	1.243	1.236	5.17
18)		Fluorene	1.629	1.600	1.764	1.609	1.670	1.778	1.650	1.672	4.32
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.057	0.077	0.075	0.088	0.110	0.111	0.086	24.66	
21)		4-Bromophenyl-...	0.243	0.227	0.274	0.238	0.241	0.278	0.253	0.251	7.53
22)		Hexachlorobenzene	0.306	0.288	0.336	0.295	0.283	0.322	0.289	0.303	6.58
23)		Atrazine	0.193	0.191	0.213	0.192	0.200	0.216	0.200	0.201	5.08
24)		Pentachlorophenol	0.140	0.116	0.137	0.122	0.135	0.161	0.155	0.138	11.76
25)		Phenanthrene	1.190	1.111	1.297	1.141	1.165	1.300	1.195	1.200	6.09
26)		Anthracene	1.026	0.971	1.147	1.033	1.075	1.215	1.112	1.083	7.60
27)	SURR	Fluoranthene-d10	1.037	0.955	1.116	0.956	1.025	1.087	1.000	1.025	5.98
28)		Fluoranthene	1.341	1.243	1.452	1.272	1.364	1.447	1.316	1.348	5.95
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.945	2.005	2.131	1.910	1.870	1.992	1.837	1.956	5.04
31)	S	Terphenyl-d14	0.962	0.965	1.028	0.924	0.915	0.987	0.926	0.958	4.23
32)		Benzo(a)anthra...	1.389	1.315	1.437	1.304	1.347	1.528	1.415	1.391	5.63
33)		Chrysene	1.486	1.509	1.610	1.507	1.462	1.616	1.448	1.520	4.44
34)		Bis(2-ethylhex...	1.196	1.100	1.044	0.865	0.946	0.912	0.870	0.990	12.74
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN031025.M

36)		Indeno(1,2,3-c...	1.160	1.316	1.546	1.404	1.417	1.693	1.571	1.444	12.27
37)		Benzo(b)fluora...	1.311	1.360	1.547	1.402	1.477	1.595	1.498	1.456	7.04
38)		Benzo(k)fluora...	1.504	1.397	1.620	1.481	1.521	1.635	1.534	1.527	5.34
39)	C	Benzo(a)pyrene	1.090	1.152	1.303	1.195	1.223	1.350	1.268	1.226	7.29
40)		Dibenzo(a,h)an...	0.893	0.981	1.163	1.126	1.102	1.351	1.252	1.124	13.76
41)		Benzo(g,h,i)pe...	1.138	1.213	1.382	1.250	1.233	1.449	1.334	1.286	8.36

(#) = Out of Range

Alliance TECHNICAL GROUP
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.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: BNA_N Calibration Date/Time: 04/03/2025 11:47

Lab File ID: BN036817.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.639		7.4	20.0
Fluoranthene-d10	1.025	1.231		20.1	20.0
2-Fluorophenol	0.932	0.987		5.9	20.0
Phenol-d6	1.152	1.200		4.2	20.0
Nitrobenzene-d5	0.435	0.443		1.8	20.0
2-Fluorobiphenyl	2.327	2.227		-4.3	20.0
2,4,6-Tribromophenol	0.182	0.178		-2.2	20.0
Terphenyl-d14	0.958	0.907		-5.3	20.0
1,4-Dioxane	0.444	0.469		5.6	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036819.D
Acq On : 03 Apr 2025 13:00
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW112010

Quant Time: Apr 03 13:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

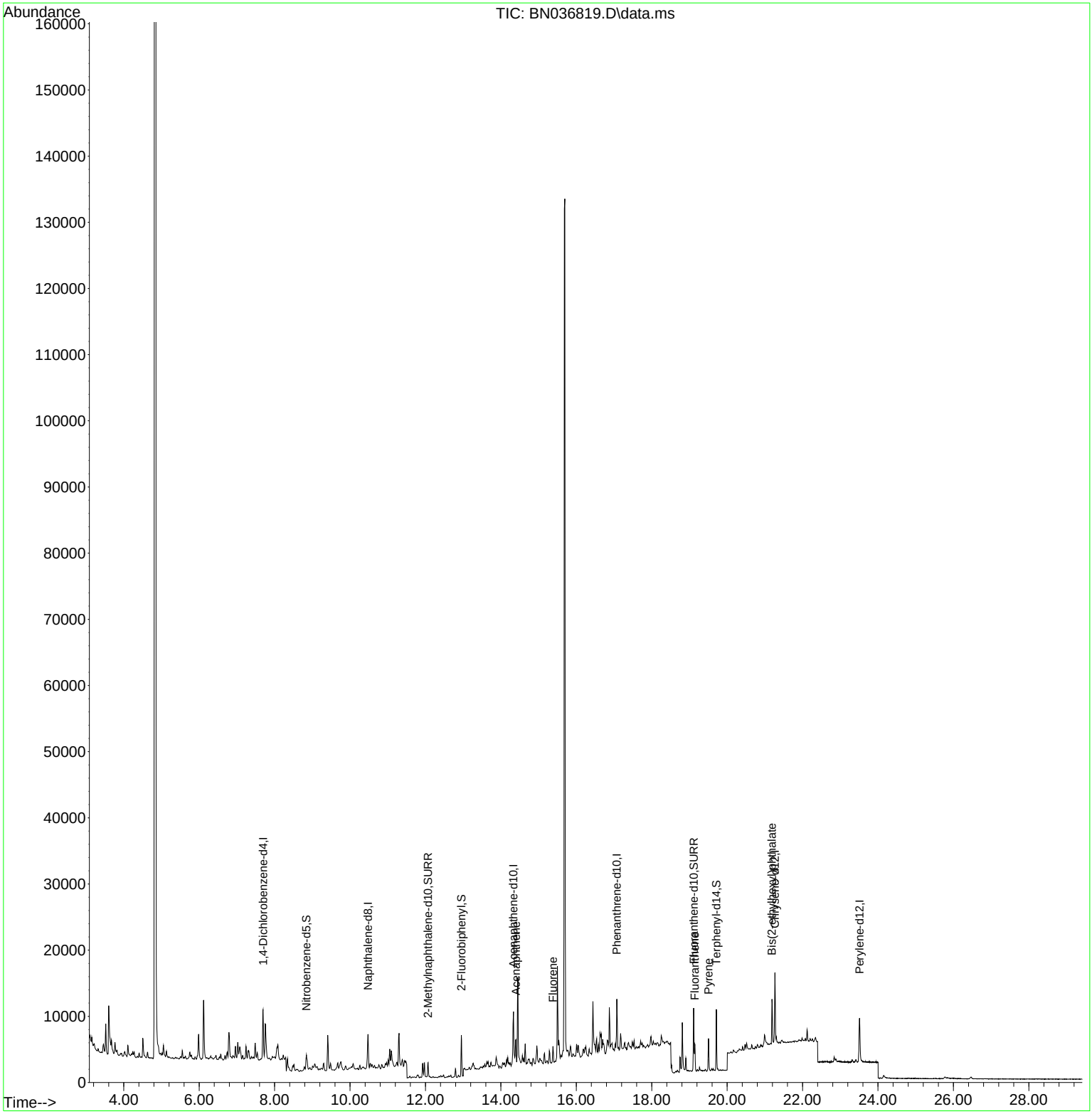
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	2445	0.400	ng	-0.03
7) Naphthalene-d8	10.477	136	6318	0.400	ng	-0.03
13) Acenaphthene-d10	14.334	164	4484	0.400	ng	-0.03
19) Phenanthrene-d10	17.074	188	9360	0.400	ng	#-0.04
29) Chrysene-d12	21.268	240	9514	0.400	ng	-0.03
35) Perylene-d12	23.510	264	8772	0.400	ng	#-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	8.843	82	1931	0.281	ng	-0.03
11) 2-Methylnaphthalene-d10	12.070	152	3100	0.330	ng	-0.04
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	12.953	172	6361	0.244	ng	-0.04
27) Fluoranthene-d10	19.113	212	10017	0.418	ng	-0.03
31) Terphenyl-d14	19.712	244	8290	0.364	ng	-0.03
Target Compounds						Qvalue
17) Acenaphthene	14.398	154	1948	0.141	ng	98
18) Fluorene	15.382	166	1289	0.069	ng	# 96
28) Fluoranthene	19.141	202	3419	0.108	ng	97
30) Pyrene	19.508	202	4385	0.094	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.187	149	6479	0.275	ng	# 90

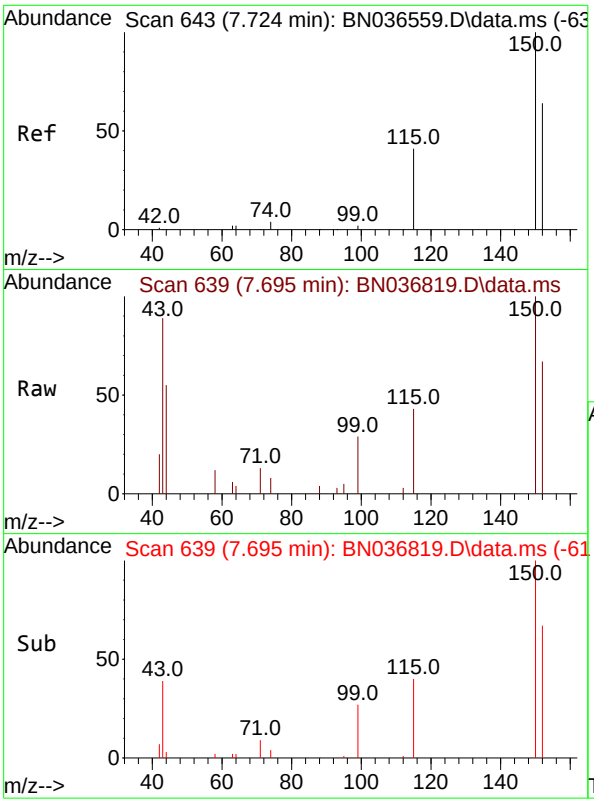
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036819.D
Acq On : 03 Apr 2025 13:00
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW112010

Quant Time: Apr 03 13:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration



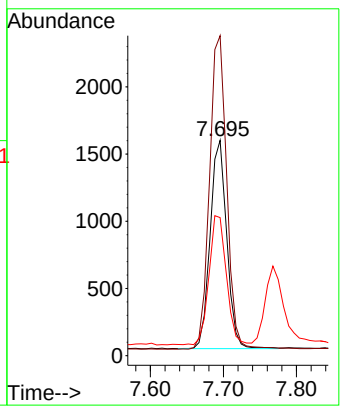


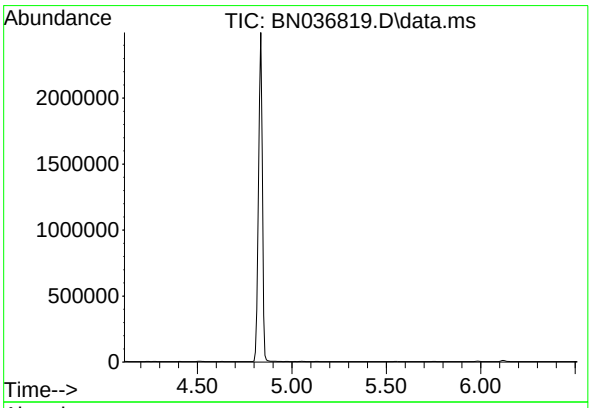
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.695 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:152 Resp: 2445

Ion	Ratio	Lower	Upper
152	100		
150	148.6	123.7	185.5
115	64.2	54.3	81.5



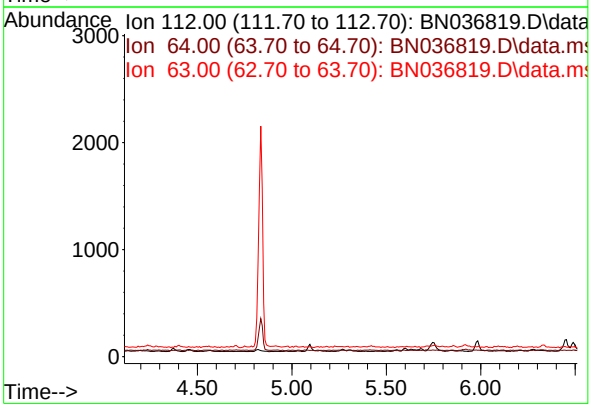


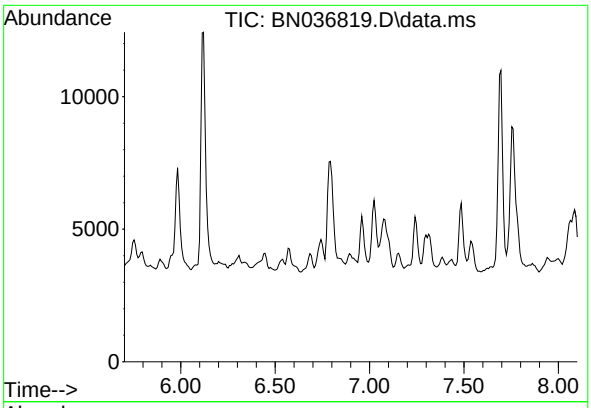
#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.31 min

Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.4
63	39.8





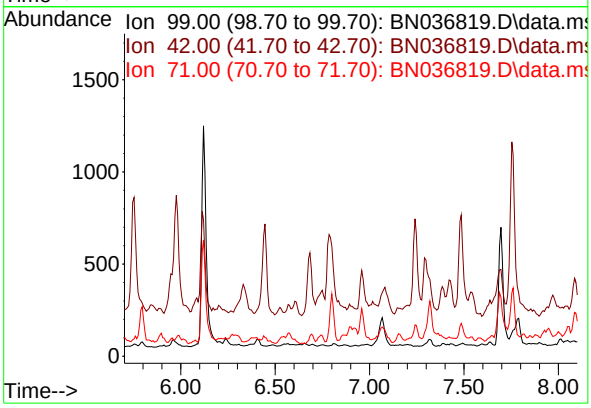
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.90 min

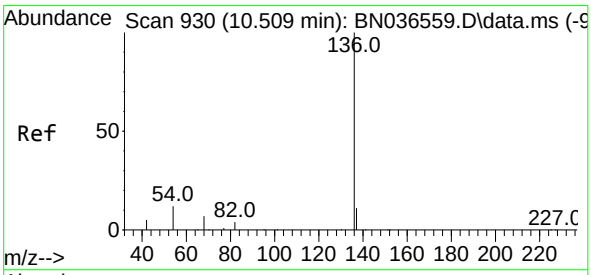
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

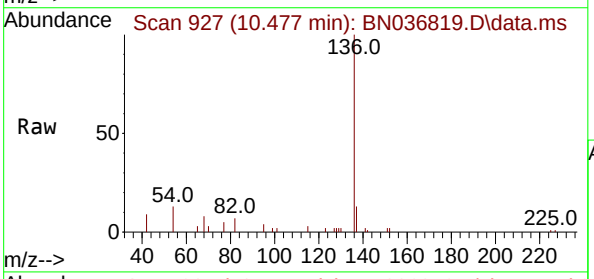
Instrument :
BNA_N
ClientSampleId :
MW112010

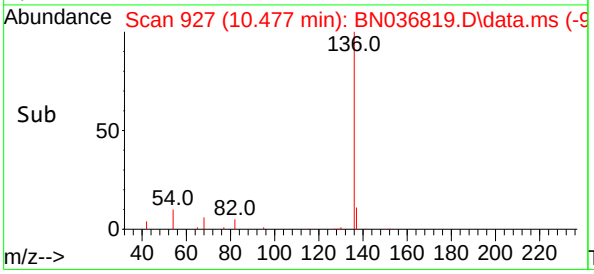
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	33.1
71	42.6





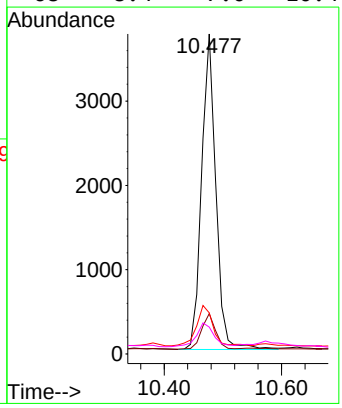


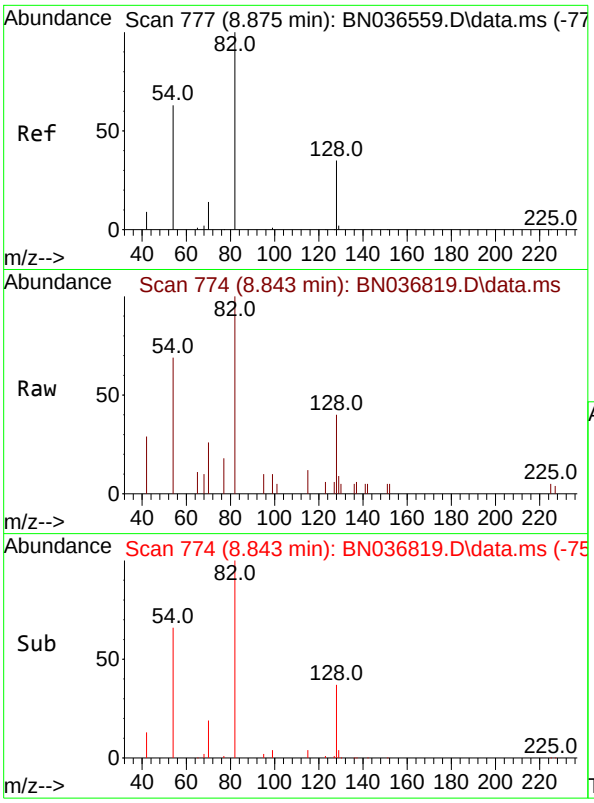


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:136 Resp: 6318

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.3	15.5
54	12.8	11.5	17.3
68	8.4	7.0	10.4



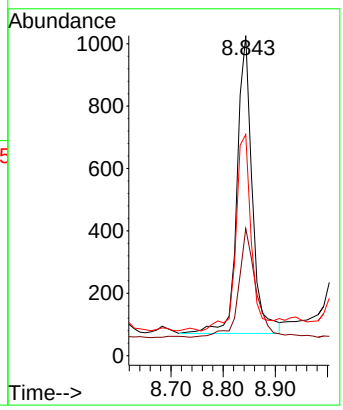


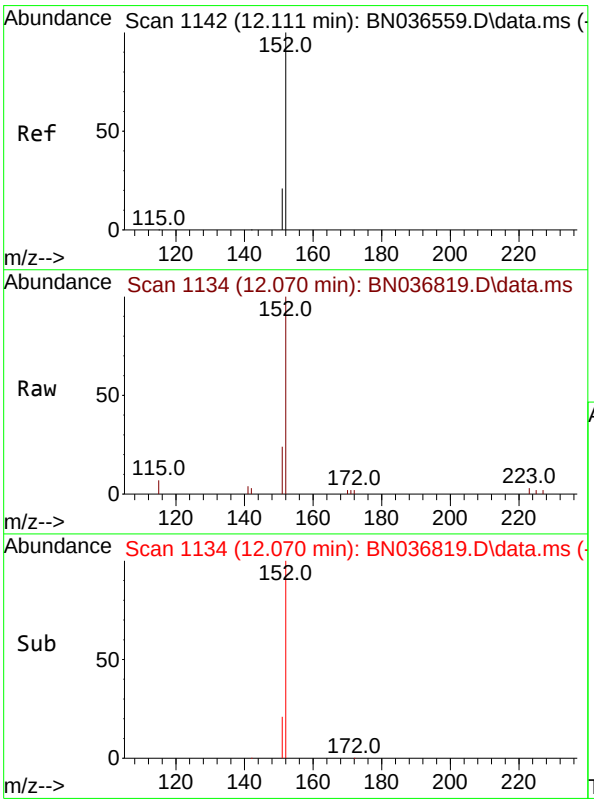
#8
Nitrobenzene-d5
Concen: 0.281 ng
RT: 8.843 min Scan# 7
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion: 82 Resp: 1931

Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.6	45.8
54	69.1	52.2	78.4

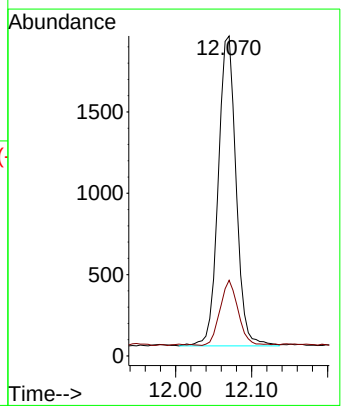


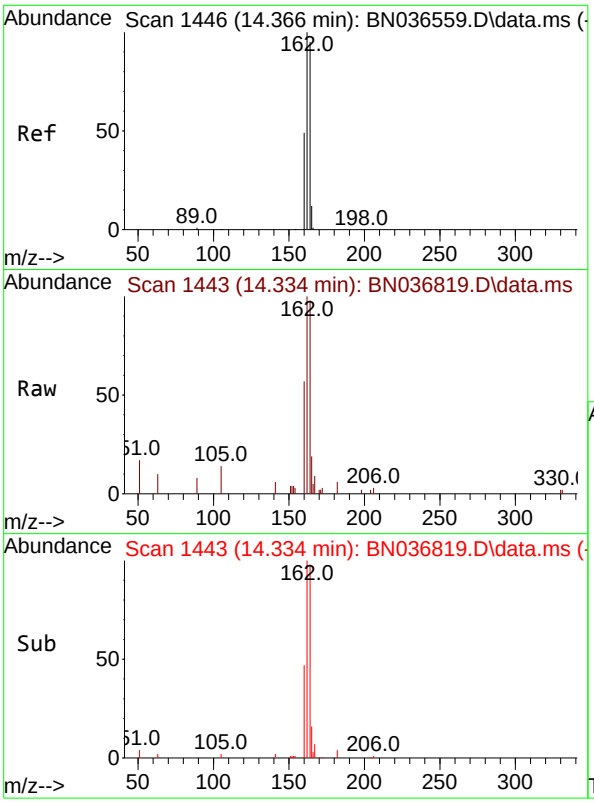


#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 12.070 min Scan# 1134
Delta R.T. -0.040 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:152 Resp: 3100

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6



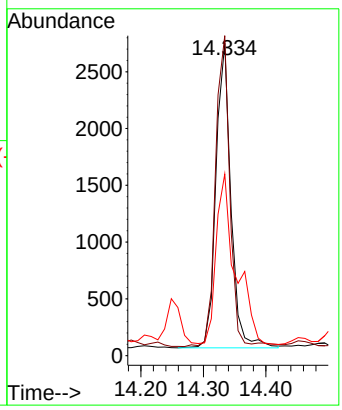


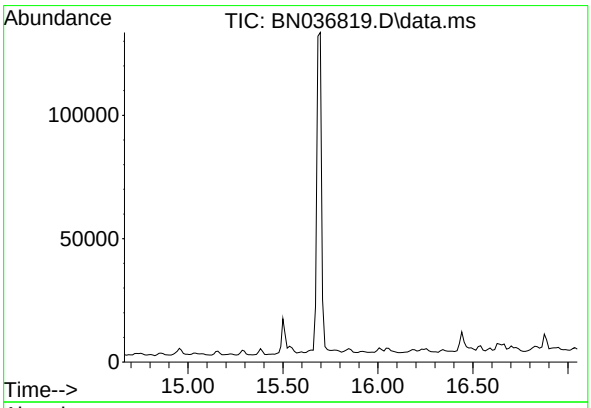
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:164 Resp: 4484

Ion	Ratio	Lower	Upper
164	100		
162	102.4	84.2	126.2
160	58.1	42.2	63.2



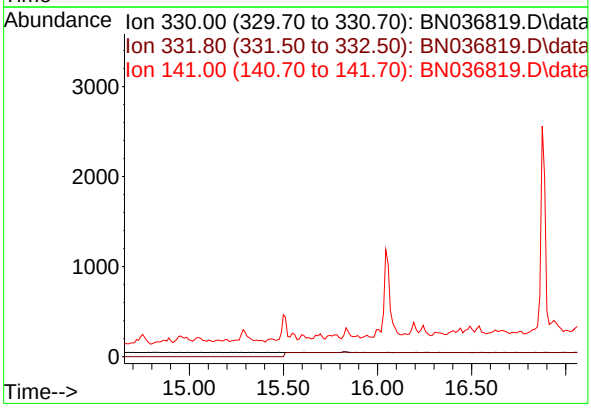


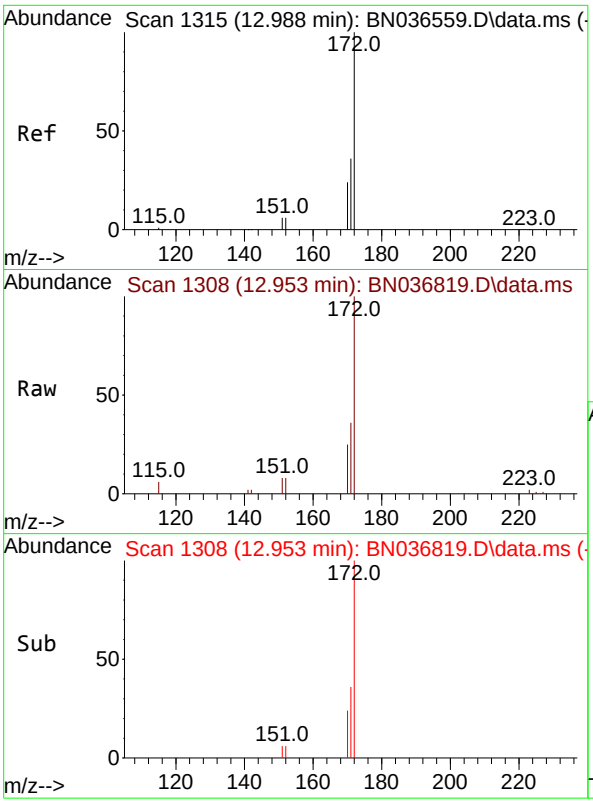
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.86 min

Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.0
141	54.3



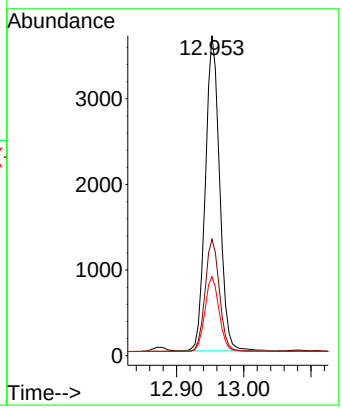


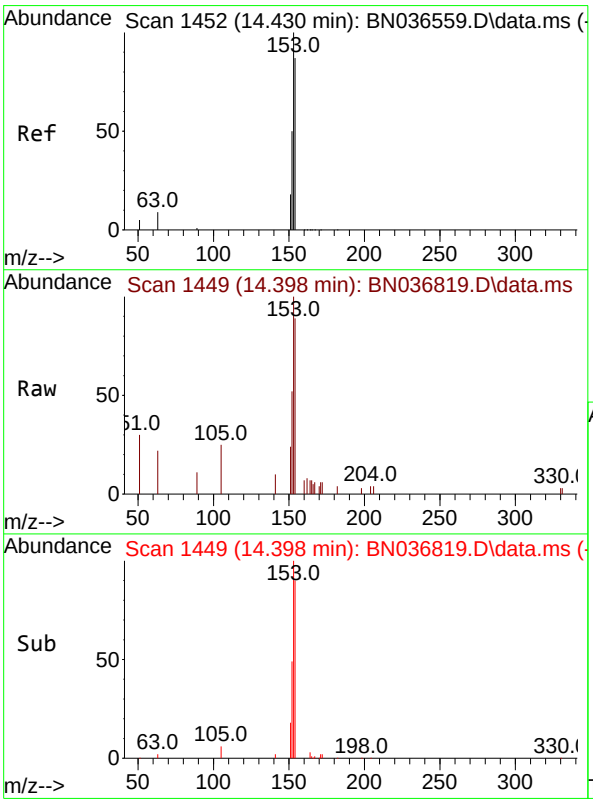
#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 12.953 min Scan# 1
Delta R.T. -0.035 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:172 Resp: 6361

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.5	44.3
170	24.7	20.2	30.4

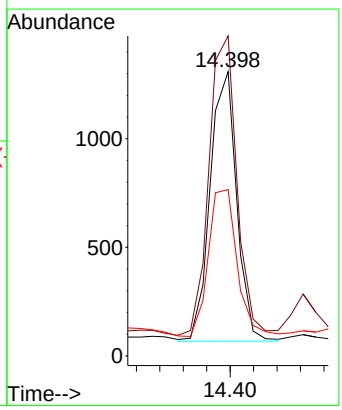


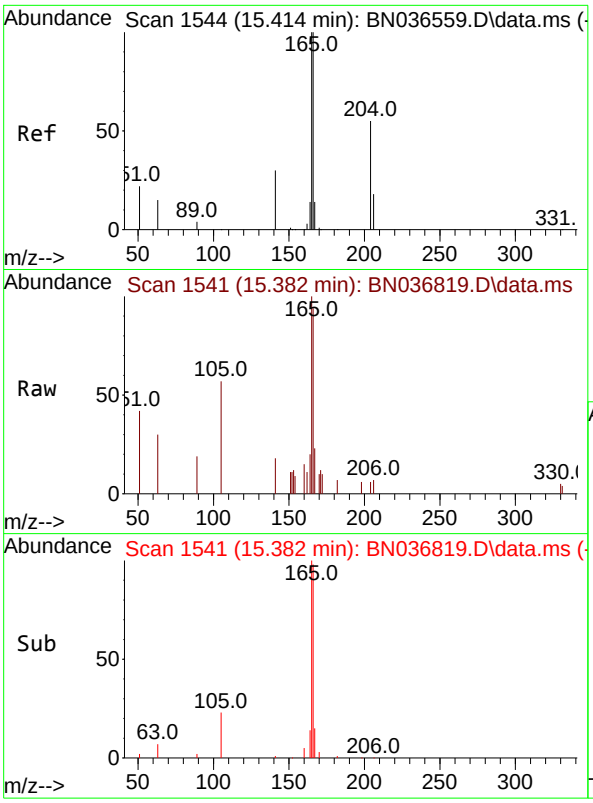


#17
Acenaphthene
Concen: 0.141 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:154 Resp: 1948

Ion	Ratio	Lower	Upper
154	100		
153	116.1	94.1	141.1
152	58.7	49.8	74.6



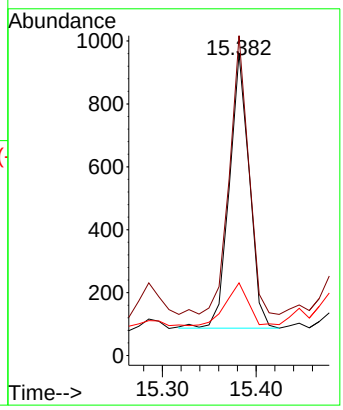


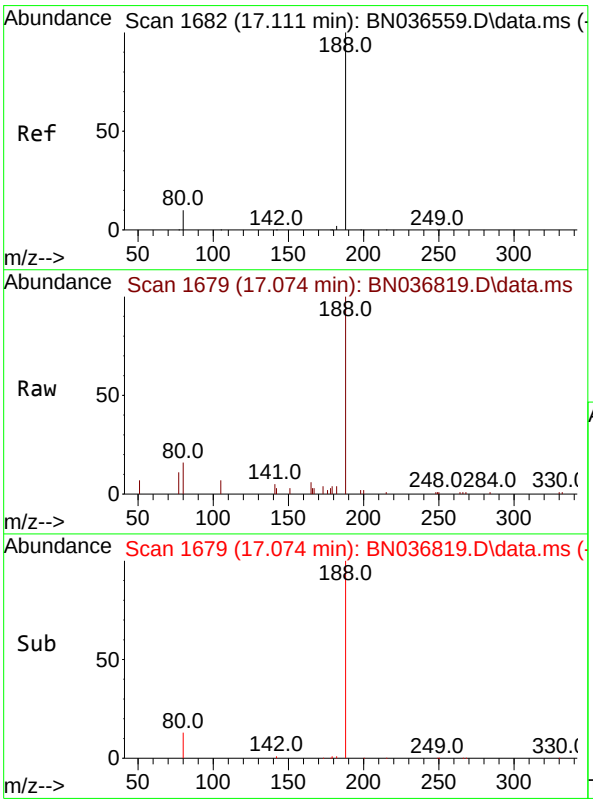
#18
Fluorene
Concen: 0.069 ng
RT: 15.382 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:166 Resp: 1289

Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.8	119.8
167	17.8	10.6	15.8#

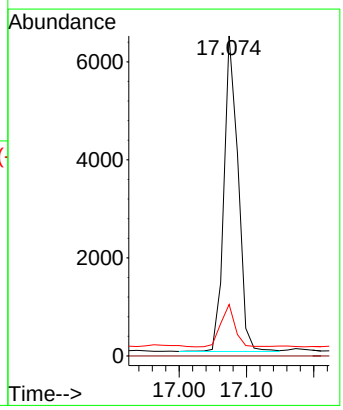


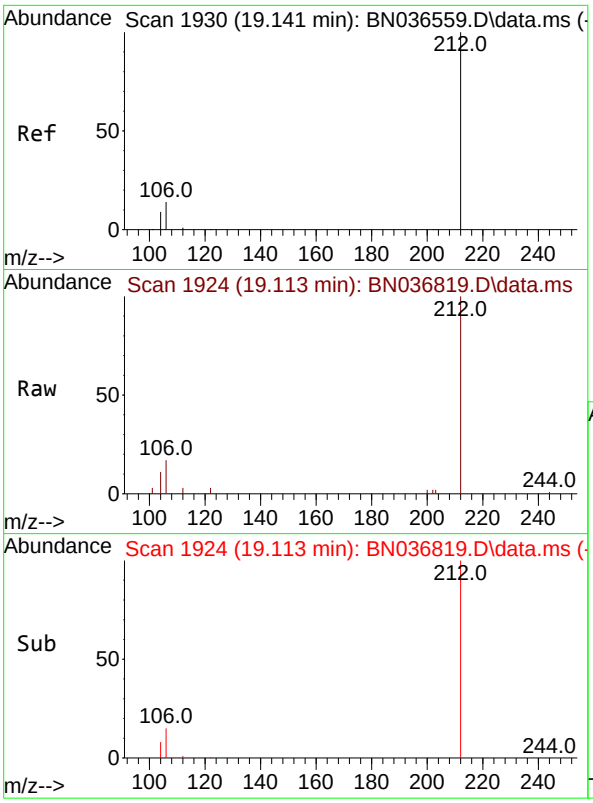


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1679
Delta R.T. -0.037 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:188 Resp: 9360

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.1	8.8	13.2#



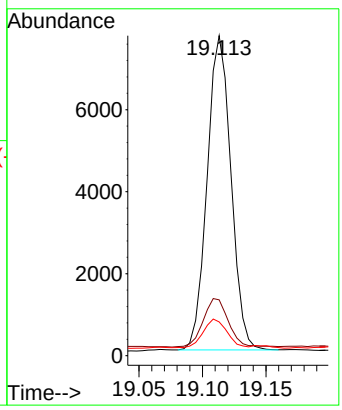


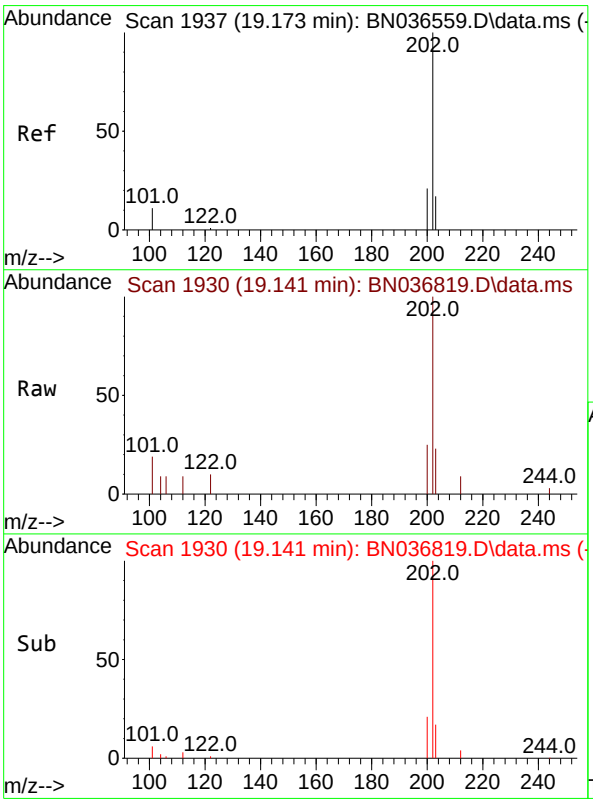
#27
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.113 min Scan# 1
Delta R.T. -0.028 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:212 Resp: 10017

Ion	Ratio	Lower	Upper
212	100		
106	16.2	11.8	17.6
104	9.3	7.3	10.9

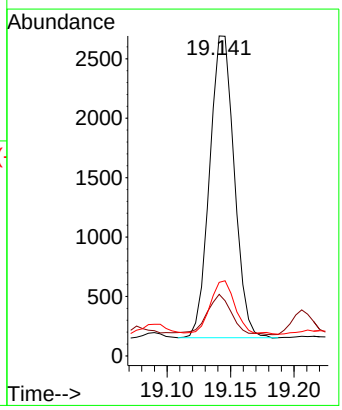


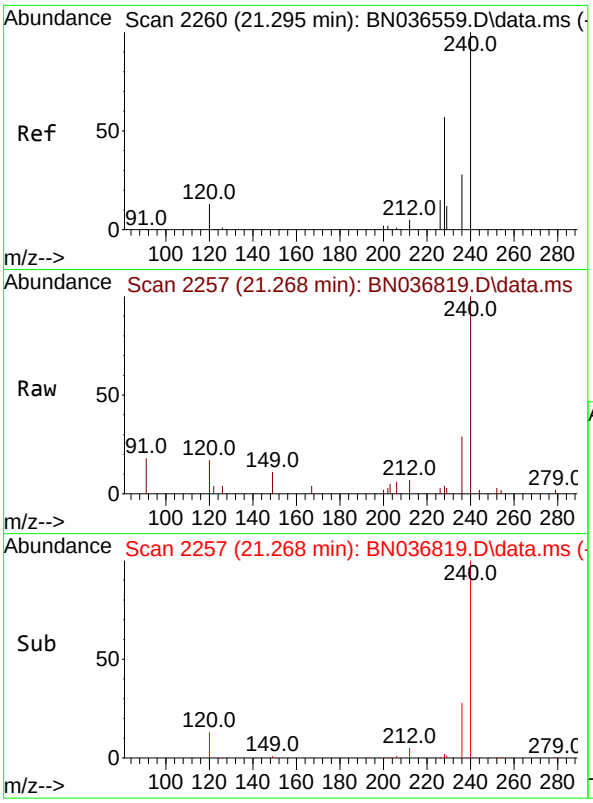


#28
Fluoranthene
Concen: 0.108 ng
RT: 19.141 min Scan# 1930
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:202 Resp: 3419

Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.4	14.0
203	17.9	13.5	20.3



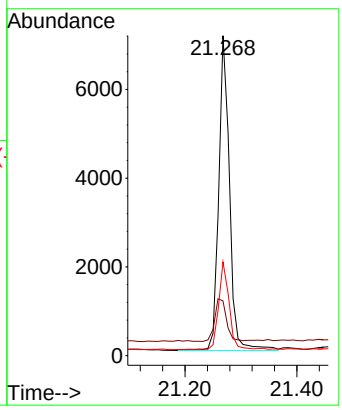


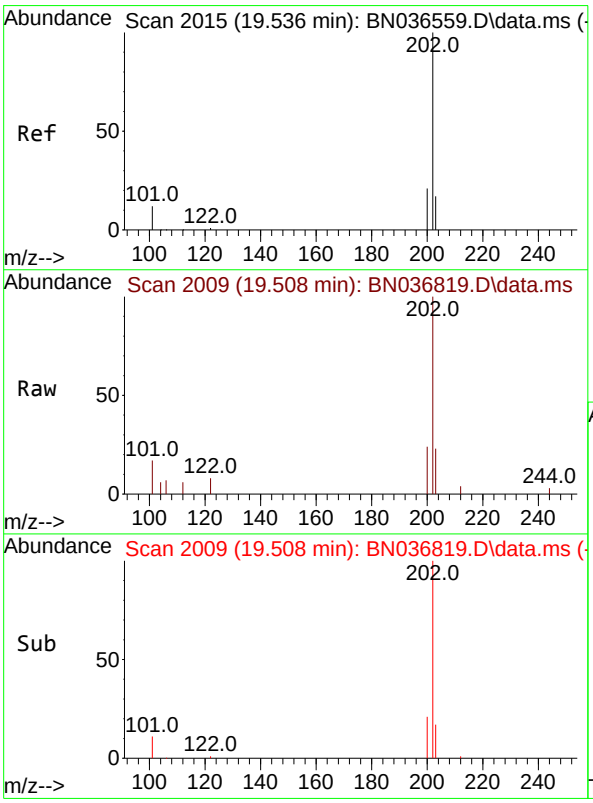
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.027 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:240 Resp: 9514

Ion	Ratio	Lower	Upper
240	100		
120	17.1	14.6	22.0
236	29.3	24.1	36.1

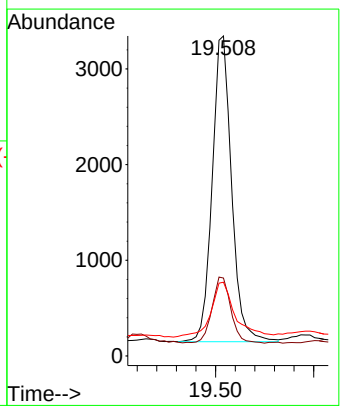


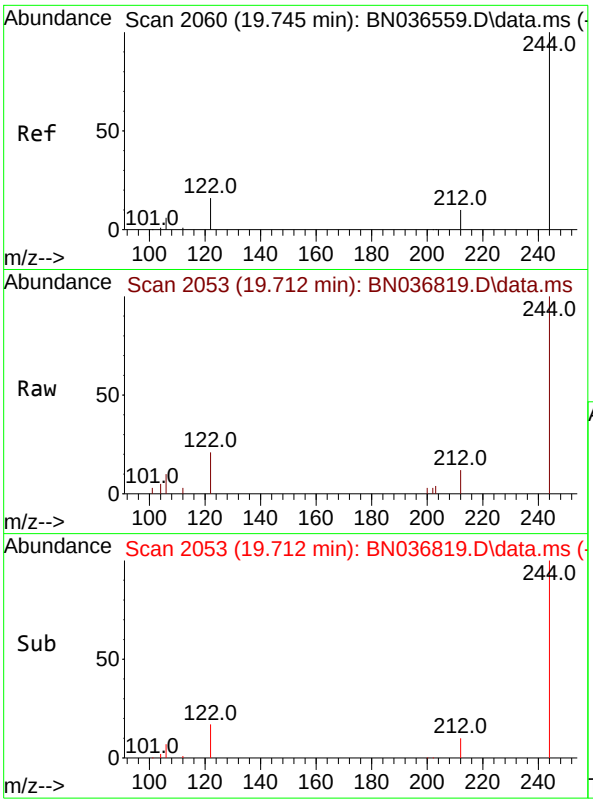


#30
Pyrene
Concen: 0.094 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.028 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:202 Resp: 4385

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	22.2	14.1	21.1#



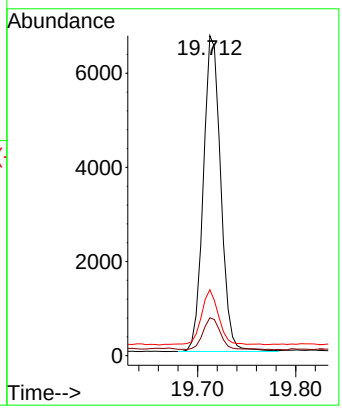


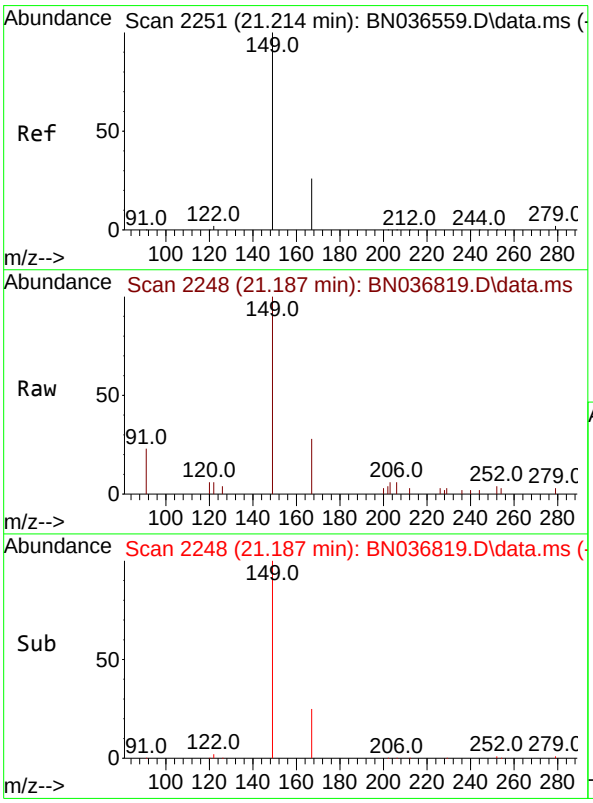
#31
Terphenyl-d14
Concen: 0.364 ng
RT: 19.712 min Scan# 2
Delta R.T. -0.032 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:244 Resp: 8290

Ion	Ratio	Lower	Upper
244	100		
212	11.9	9.6	14.4
122	20.6	13.9	20.9

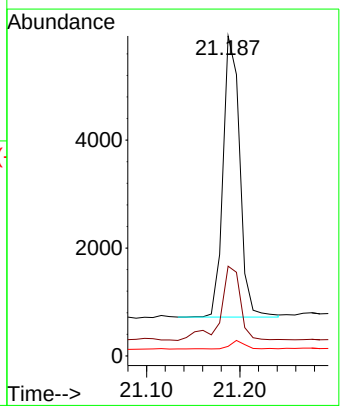


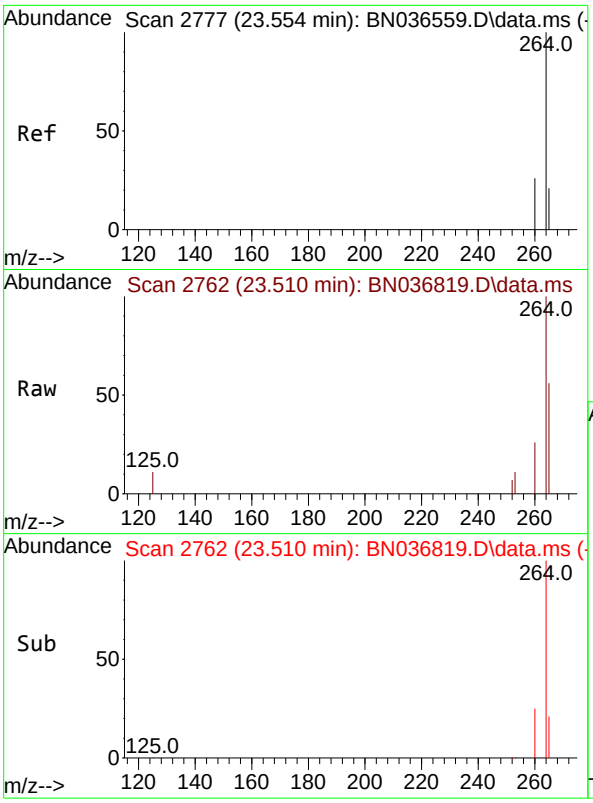


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.275 ng
RT: 21.187 min Scan# 2248
Delta R.T. -0.027 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Tgt Ion:149 Resp: 6479

Ion	Ratio	Lower	Upper
149	100		
167	31.6	20.7	31.1#
279	2.5	3.6	5.4#



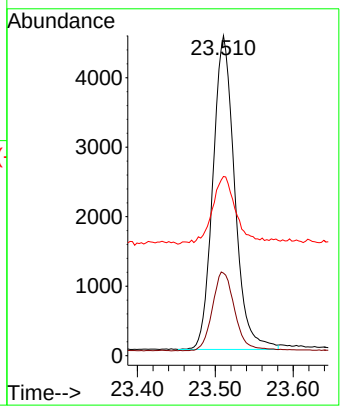


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.510 min Scan# 2
Delta R.T. -0.044 min
Lab File: BN036819.D
Acq: 03 Apr 2025 13:00

Instrument :
BNA_N
ClientSampleId :
MW112010

Tgt Ion:264 Resp: 8772

Ion	Ratio	Lower	Upper
264	100		
260	25.8	22.6	33.8
265	56.0	88.1	132.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036818.D
Acq On : 03 Apr 2025 12:24
Operator : RC/JU
Sample : PB167430BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Quant Time: Apr 03 12:57:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

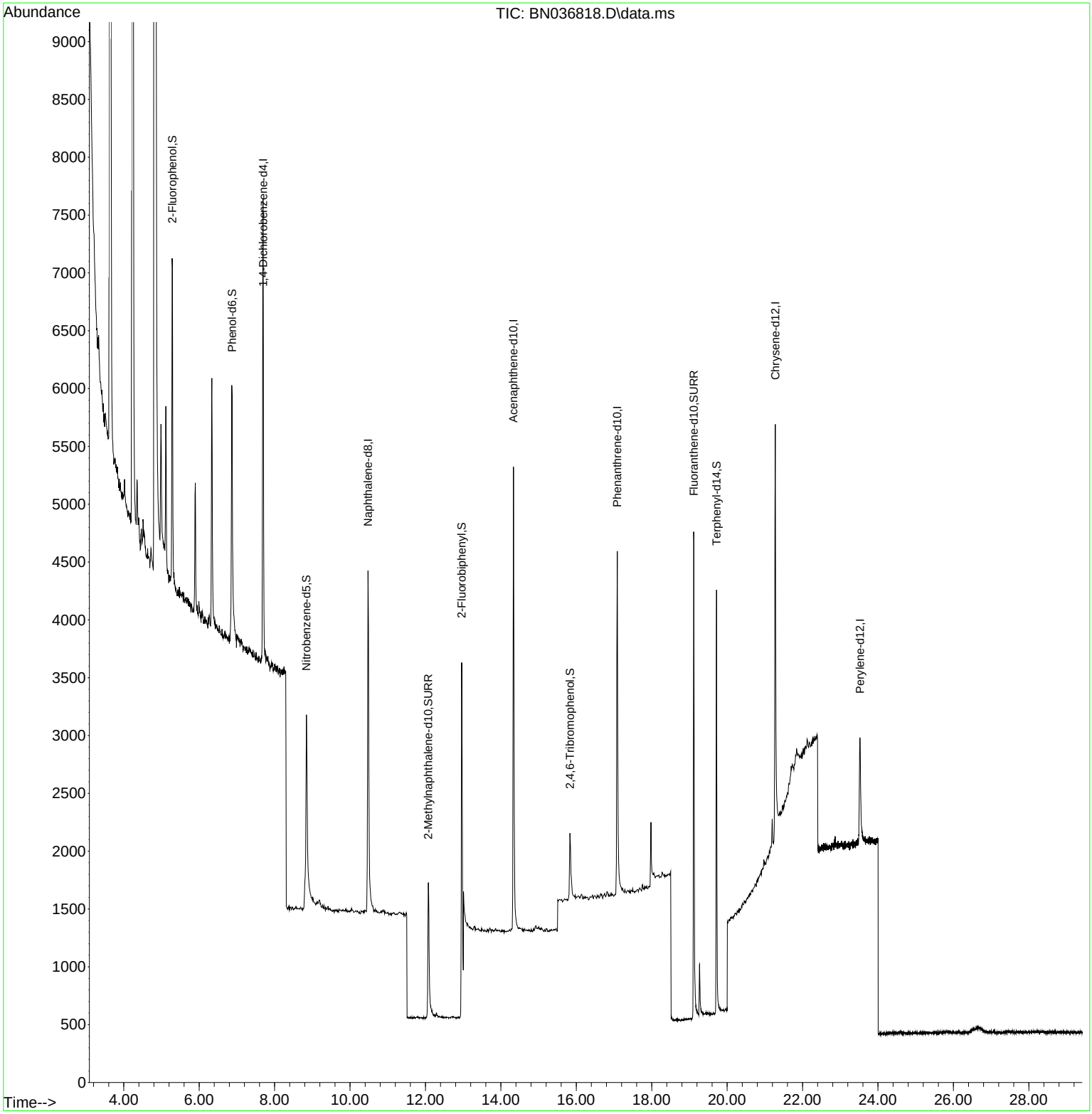
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	2093	0.400	ng	-0.03
7) Naphthalene-d8	10.477	136	4883	0.400	ng	-0.03
13) Acenaphthene-d10	14.334	164	2586	0.400	ng	-0.03
19) Phenanthrene-d10	17.086	188	5170	0.400	ng	-0.02
29) Chrysene-d12	21.277	240	4213	0.400	ng	-0.02
35) Perylene-d12	23.522	264	1585	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2043	0.419	ng	-0.02
5) Phenol-d6	6.872	99	2348	0.390	ng	-0.03
8) Nitrobenzene-d5	8.843	82	1748	0.329	ng	-0.03
11) 2-Methylnaphthalene-d10	12.075	152	2530	0.348	ng	-0.04
14) 2,4,6-Tribromophenol	15.833	330	430	0.366	ng	-0.02
15) 2-Fluorobiphenyl	12.963	172	5223	0.347	ng	-0.03
27) Fluoranthene-d10	19.118	212	5136	0.388	ng	-0.02
31) Terphenyl-d14	19.717	244	3689	0.365	ng	-0.03
Target Compounds						Qvalue

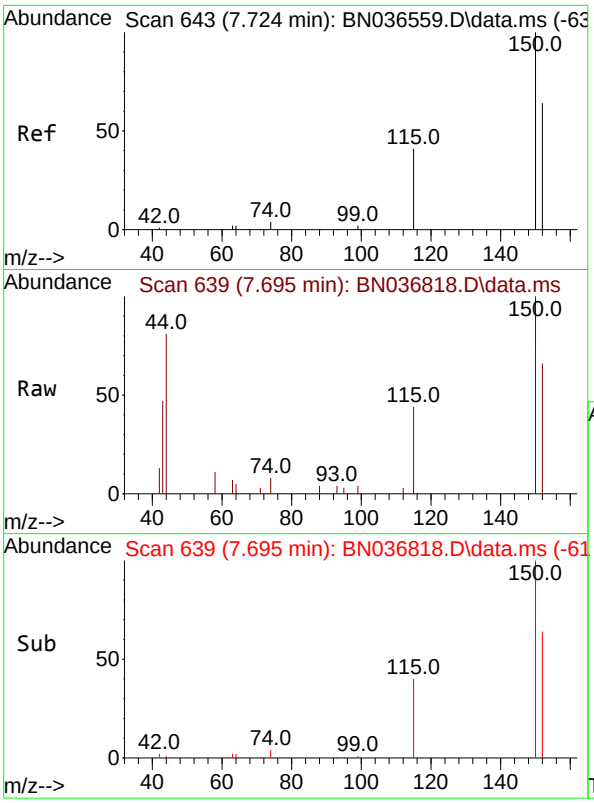
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036818.D
Acq On : 03 Apr 2025 12:24
Operator : RC/JU
Sample : PB167430BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Quant Time: Apr 03 12:57:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration



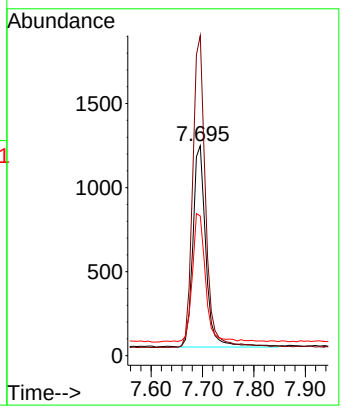


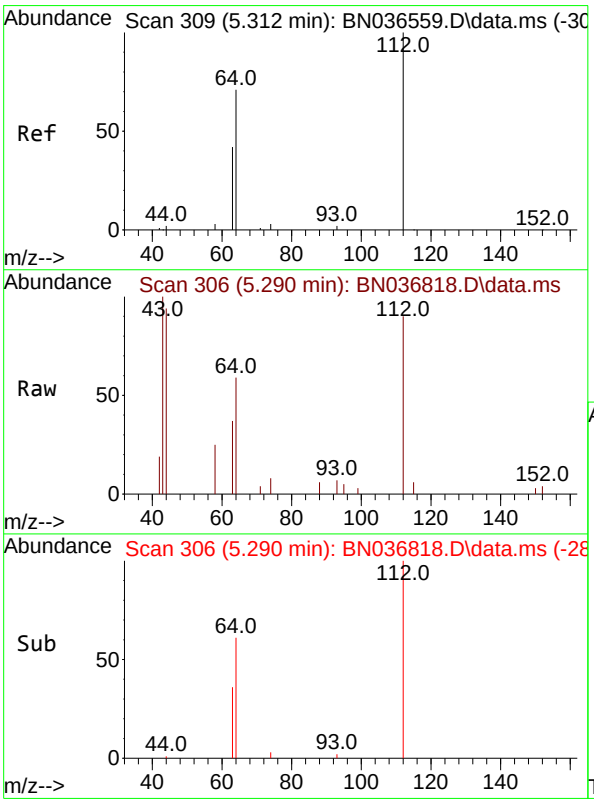
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.695 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion:152 Resp: 2093

Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.7	185.5
115	66.5	54.3	81.5

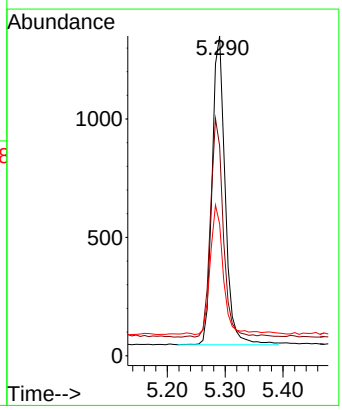


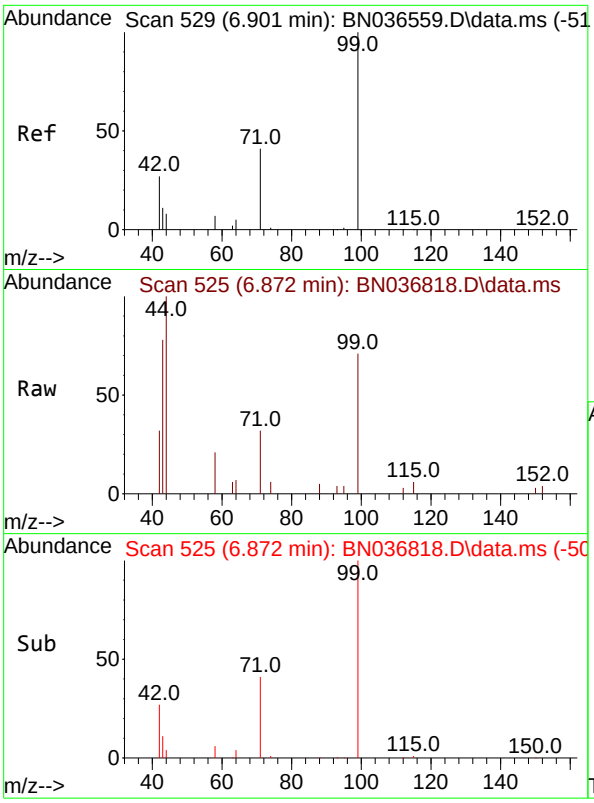


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.022 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:112 Resp: 2043

Ion	Ratio	Lower	Upper
112	100		
64	69.3	53.1	79.7
63	41.9	31.8	47.8



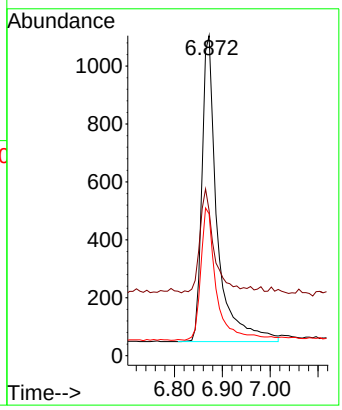


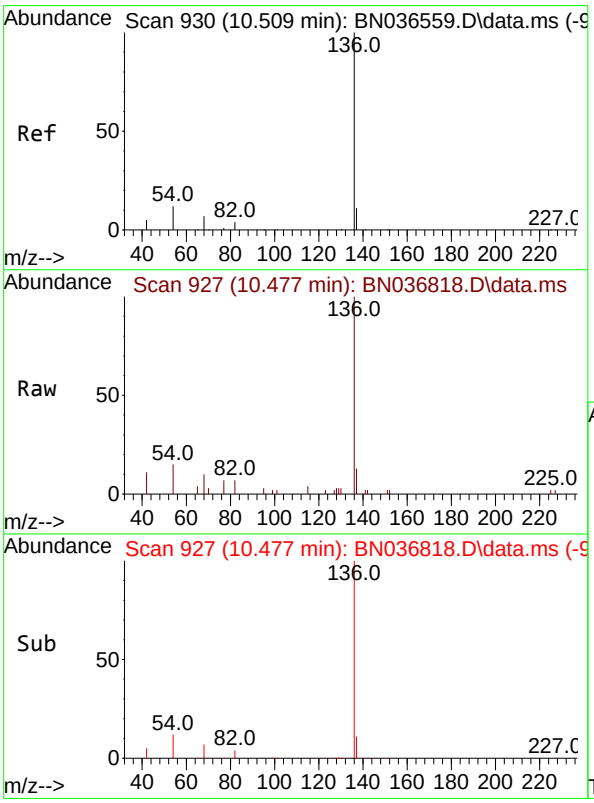
#5
Phenol-d6
Concen: 0.390 ng
RT: 6.872 min Scan# 5
Delta R.T. -0.029 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion: 99 Resp: 2348

Ion	Ratio	Lower	Upper
99	100		
42	31.7	26.5	39.7
71	44.8	34.1	51.1

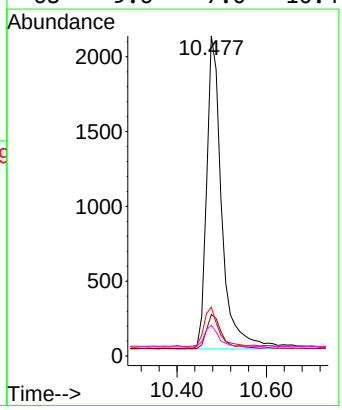


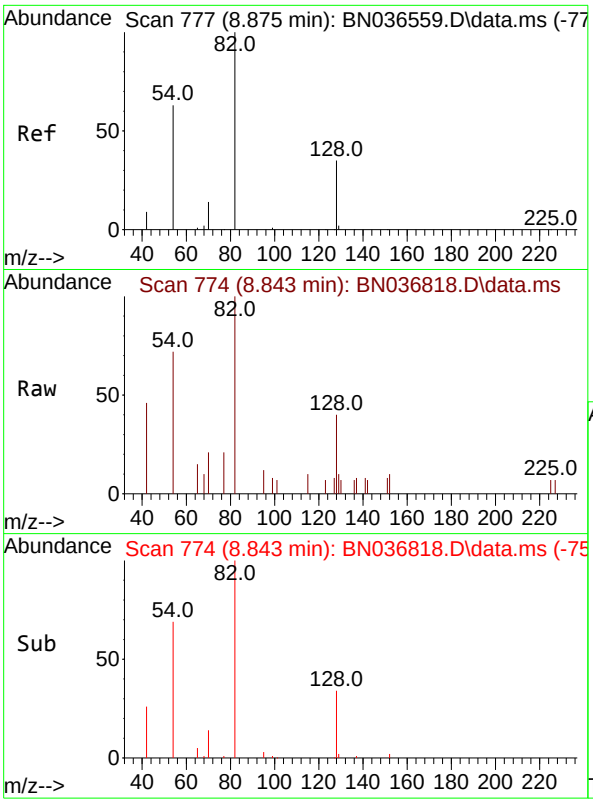


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. -0.032 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:136 Resp: 4883

Ion	Ratio	Lower	Upper
136	100		
137	12.9	10.3	15.5
54	15.2	11.5	17.3
68	9.6	7.0	10.4



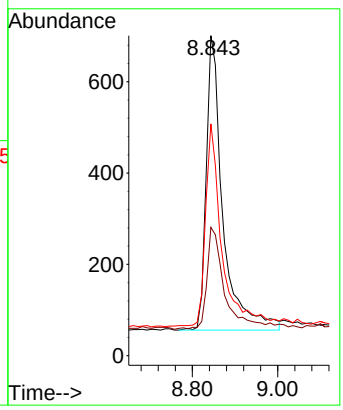


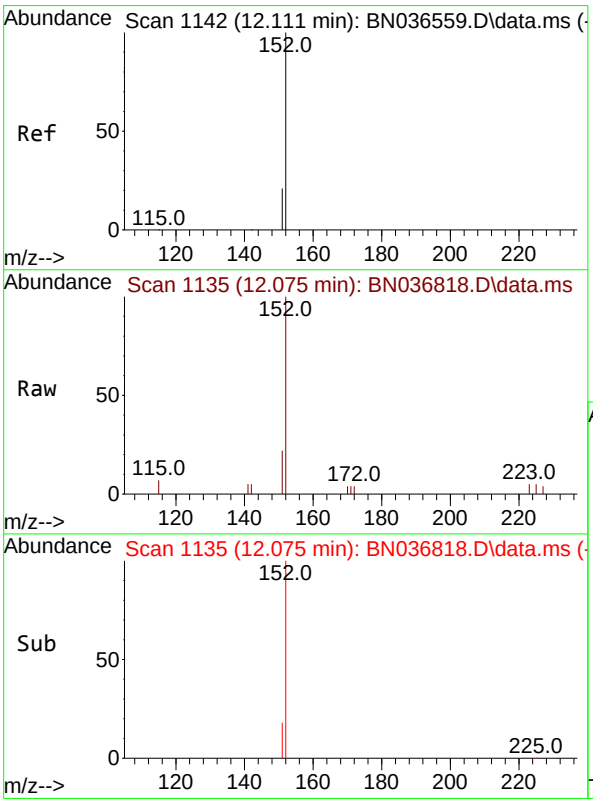
#8
Nitrobenzene-d5
Concen: 0.329 ng
RT: 8.843 min Scan# 7
Delta R.T. -0.032 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion: 82 Resp: 1748

Ion	Ratio	Lower	Upper
82	100		
128	40.1	30.6	45.8
54	72.5	52.2	78.4

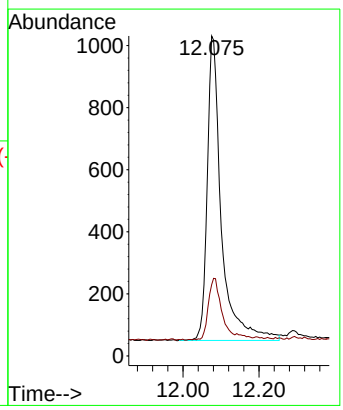


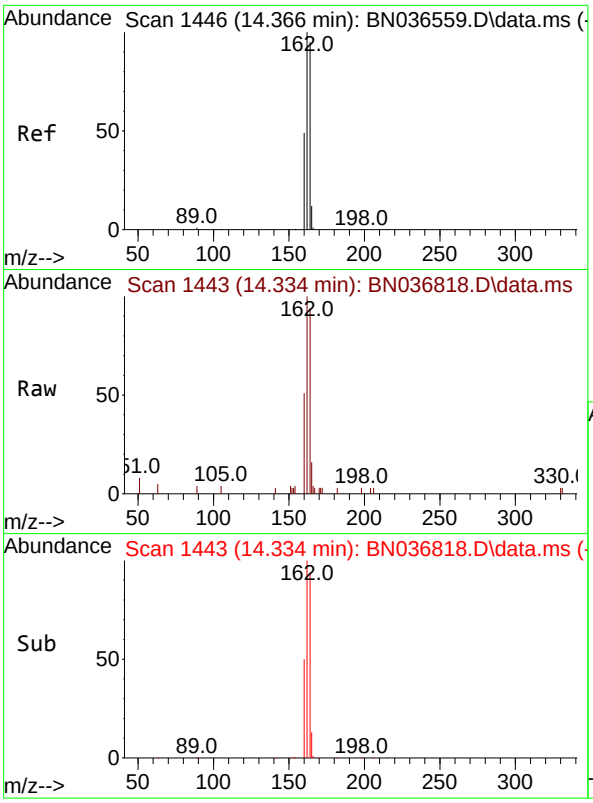


#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 12.075 min Scan# 1135
Delta R.T. -0.035 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:152 Resp: 2530

Ion	Ratio	Lower	Upper
152	100		
151	18.7	17.0	25.6



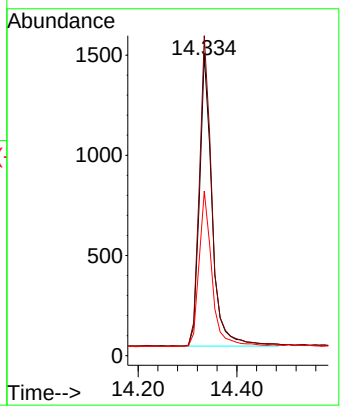


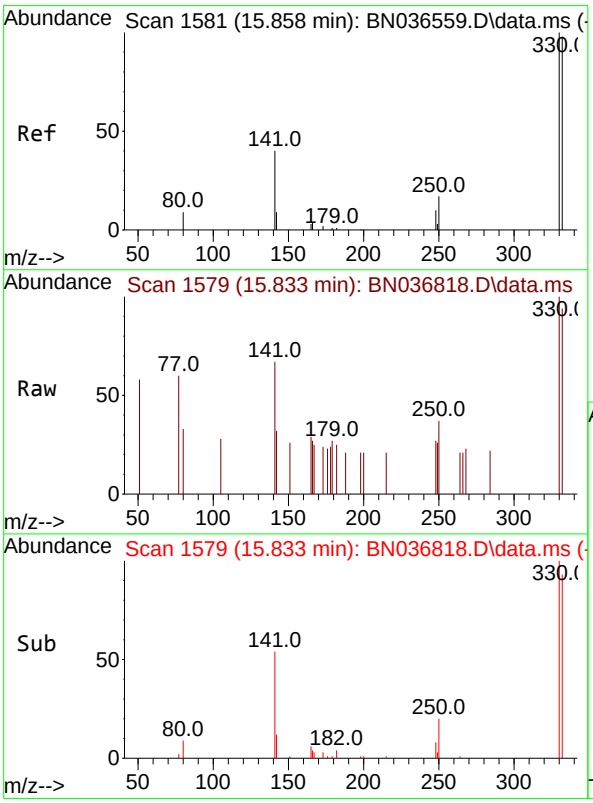
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.032 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion:164 Resp: 2586

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.2	126.2
160	54.7	42.2	63.2

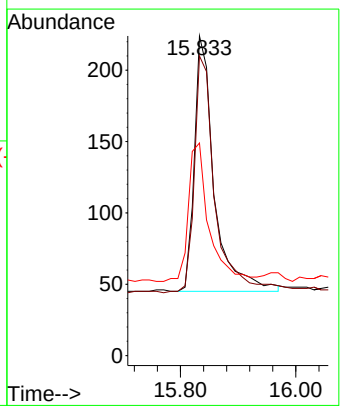


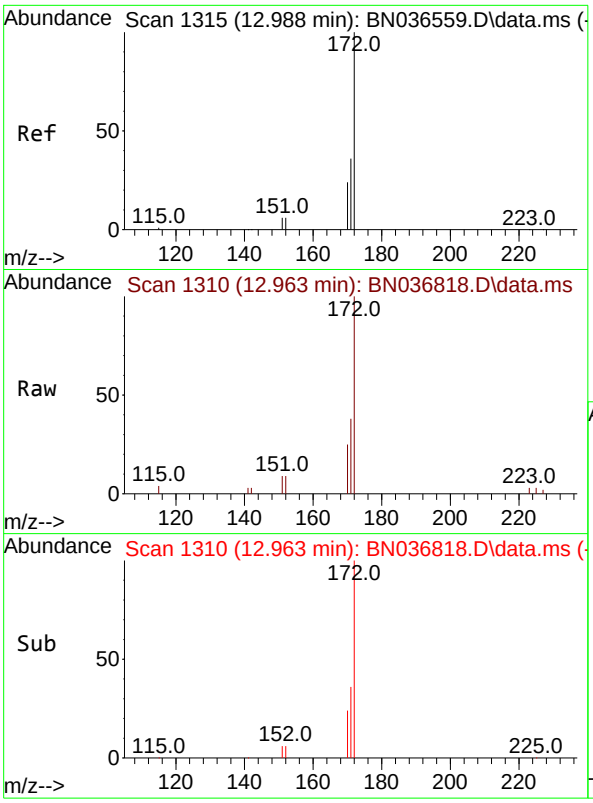


#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.025 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:330 Resp: 430

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.2	112.8
141	55.1	43.4	65.2



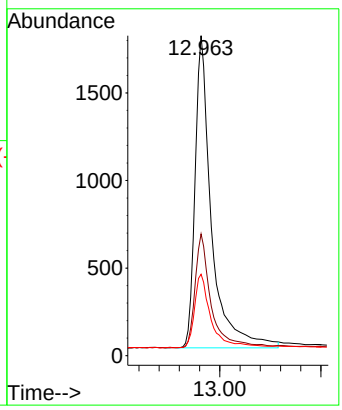


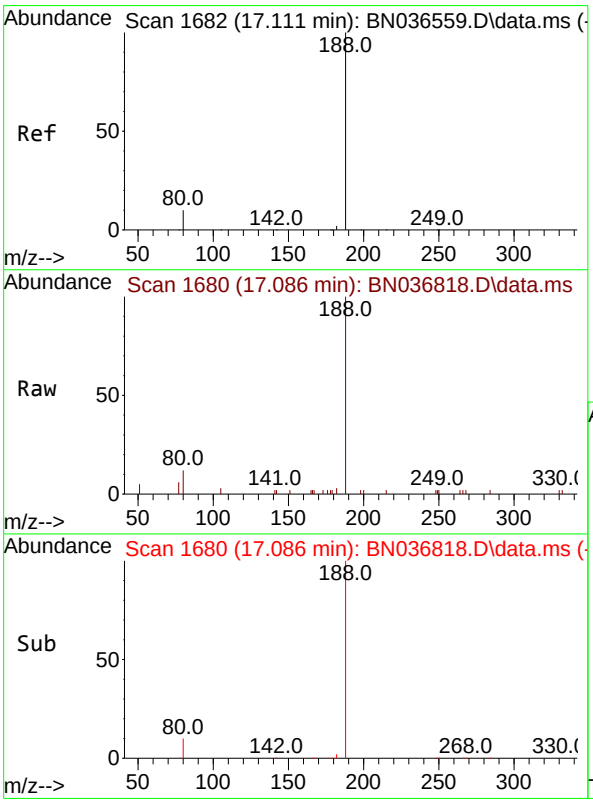
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 12.963 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion:172 Resp: 5223

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.5	44.3
170	25.5	20.2	30.4

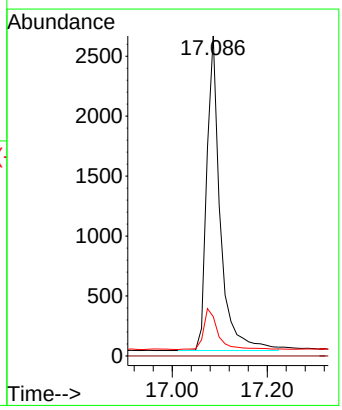


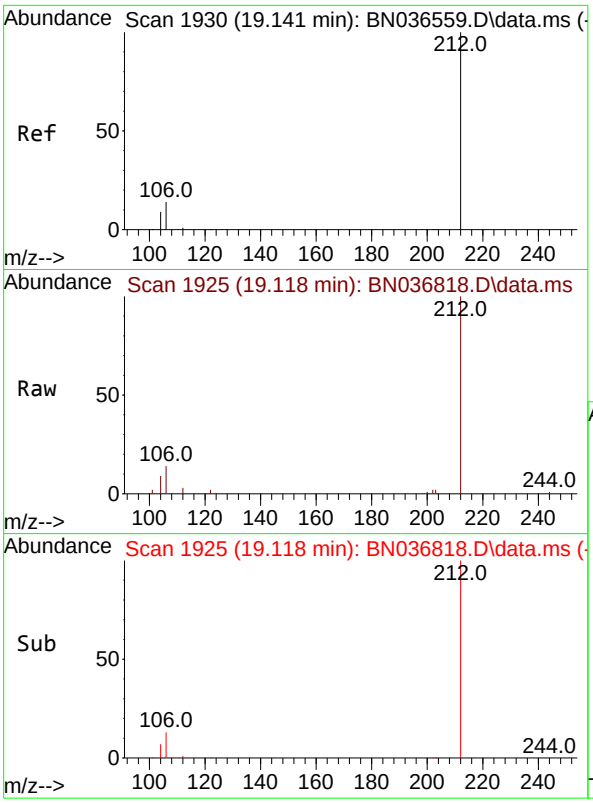


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. -0.025 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:188 Resp: 5170

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.3	8.8	13.2



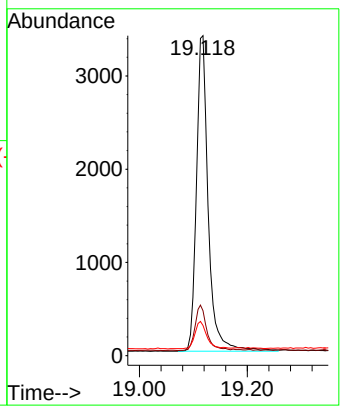


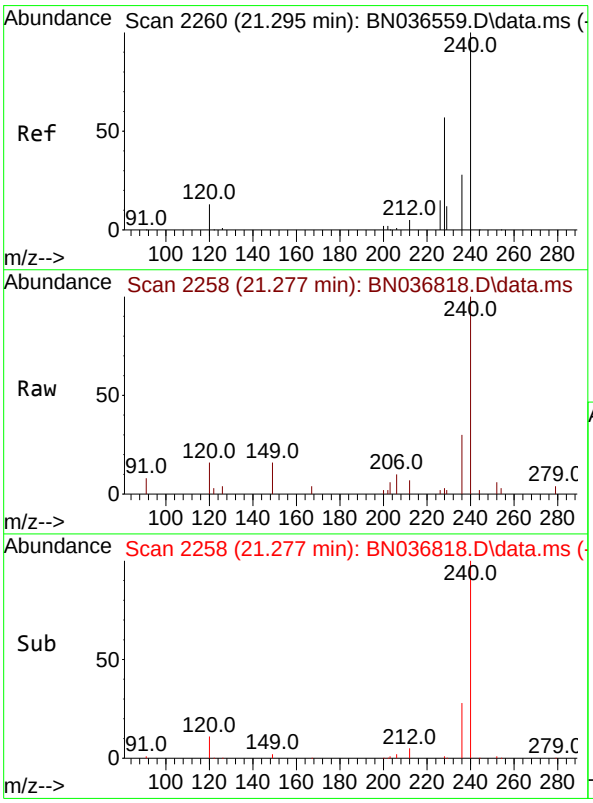
#27
Fluoranthene-d10
Concen: 0.388 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.023 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion:212 Resp: 5136

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.8	17.6
104	8.7	7.3	10.9

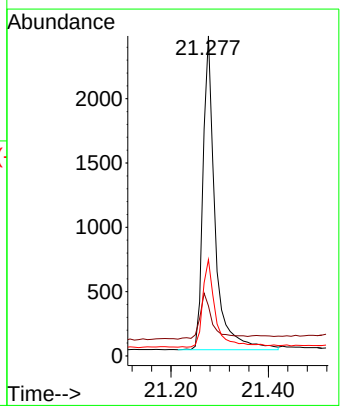


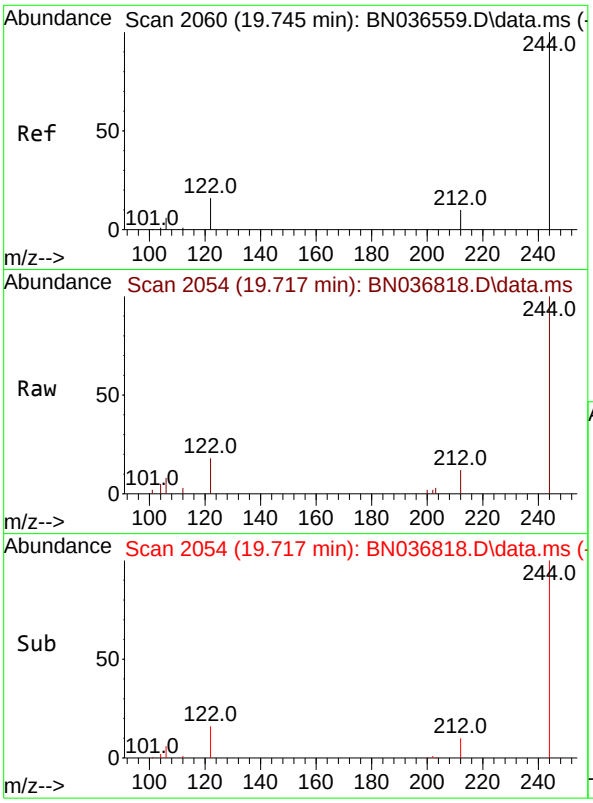


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.018 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:240 Resp: 4213

Ion	Ratio	Lower	Upper
240	100		
120	15.6	14.6	22.0
236	30.1	24.1	36.1



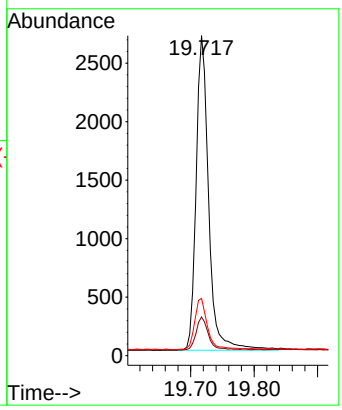


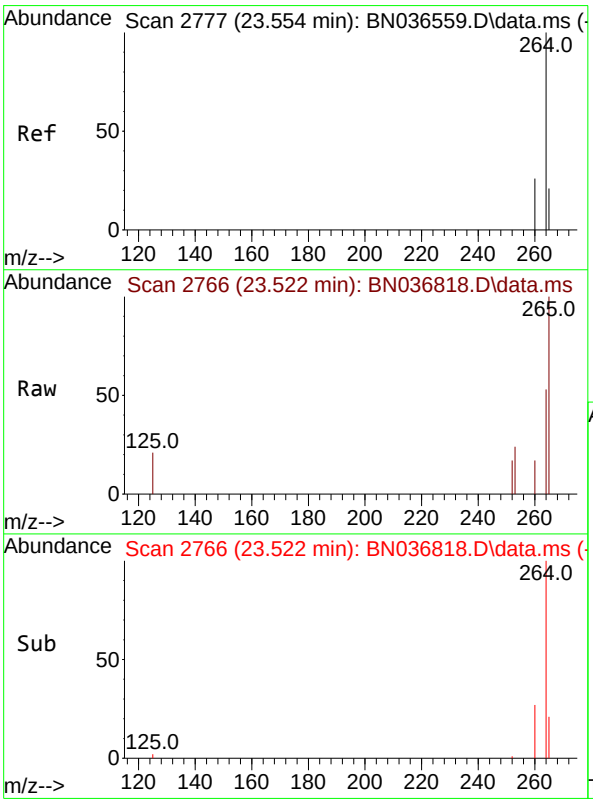
#31
Terphenyl-d14
Concen: 0.365 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.028 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Instrument :
BNA_N
ClientSampleId :
PB167430BL

Tgt Ion:244 Resp: 3689

Ion	Ratio	Lower	Upper
244	100		
212	12.1	9.6	14.4
122	17.9	13.9	20.9

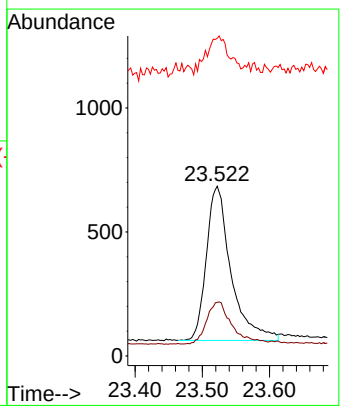




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2766
Delta R.T. -0.032 min
Lab File: BN036818.D
Acq: 03 Apr 2025 12:24

Tgt Ion:264 Resp: 1585

Ion	Ratio	Lower	Upper
264	100		
260	31.6	22.6	33.8
265	187.3	88.1	132.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036826.D
Acq On : 03 Apr 2025 17:14
Operator : RC/JU
Sample : PB167430BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 03 17:39:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB167430BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	2292	0.400	ng	-0.03
7) Naphthalene-d8	10.476	136	5542	0.400	ng	-0.03
13) Acenaphthene-d10	14.334	164	3005	0.400	ng	-0.03
19) Phenanthrene-d10	17.086	188	6134	0.400	ng	-0.03
29) Chrysene-d12	21.276	240	4706	0.400	ng	#-0.02
35) Perylene-d12	23.516	264	2869	0.400	ng	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2126	0.398	ng	-0.02
5) Phenol-d6	6.872	99	2512	0.381	ng	-0.03
8) Nitrobenzene-d5	8.843	82	1860	0.309	ng	-0.03
11) 2-Methylnaphthalene-d10	12.070	152	3322m	0.403	ng	-0.04
14) 2,4,6-Tribromophenol	15.832	330	477	0.350	ng	-0.03
15) 2-Fluorobiphenyl	12.957	172	6173	0.353	ng	-0.03
27) Fluoranthene-d10	19.117	212	5498	0.350	ng	-0.02
31) Terphenyl-d14	19.721	244	3856	0.342	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.224	88	899	0.354	ng	# 56
3) n-Nitrosodimethylamine	3.528	42	1996	0.388	ng	# 96
6) bis(2-Chloroethyl)ether	7.125	93	2492	0.365	ng	100
9) Naphthalene	10.530	128	5789	0.355	ng	99
10) Hexachlorobutadiene	10.818	225	1352	0.352	ng	# 98
12) 2-Methylnaphthalene	12.146	142	3685	0.355	ng	98
16) Acenaphthylene	14.056	152	5414	0.382	ng	99
17) Acenaphthene	14.398	154	3532	0.380	ng	100
18) Fluorene	15.381	166	4682	0.373	ng	100
20) 4,6-Dinitro-2-methylph...	15.478	198	460	0.439	ng	# 79
21) 4-Bromophenyl-phenylether	16.279	248	1442	0.375	ng	93
22) Hexachlorobenzene	16.391	284	1672	0.360	ng	98
23) Atrazine	16.552	200	539	0.175	ng	# 90
24) Pentachlorophenol	16.738	266	1402	0.663	ng	97
25) Phenanthrene	17.123	178	7152	0.389	ng	99
26) Anthracene	17.210	178	6515	0.392	ng	99
28) Fluoranthene	19.145	202	8105	0.392	ng	99
30) Pyrene	19.508	202	7989	0.347	ng	100
32) Benzo(a)anthracene	21.259	228	6210	0.379	ng	99
33) Chrysene	21.303	228	7470	0.418	ng	100
34) Bis(2-ethylhexyl)phtha...	21.196	149	3886	0.334	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.779	276	5626	0.543	ng	# 82
37) Benzo(b)fluoranthene	22.841	252	6012	0.576	ng	94
38) Benzo(k)fluoranthene	22.887	252	6564	0.599	ng	# 93
39) Benzo(a)pyrene	23.419	252	4412	0.502	ng	95
40) Dibenzo(a,h)anthracene	25.799	278	4493	0.557	ng	96
41) Benzo(g,h,i)perylene	26.469	276	4427	0.480	ng	100

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

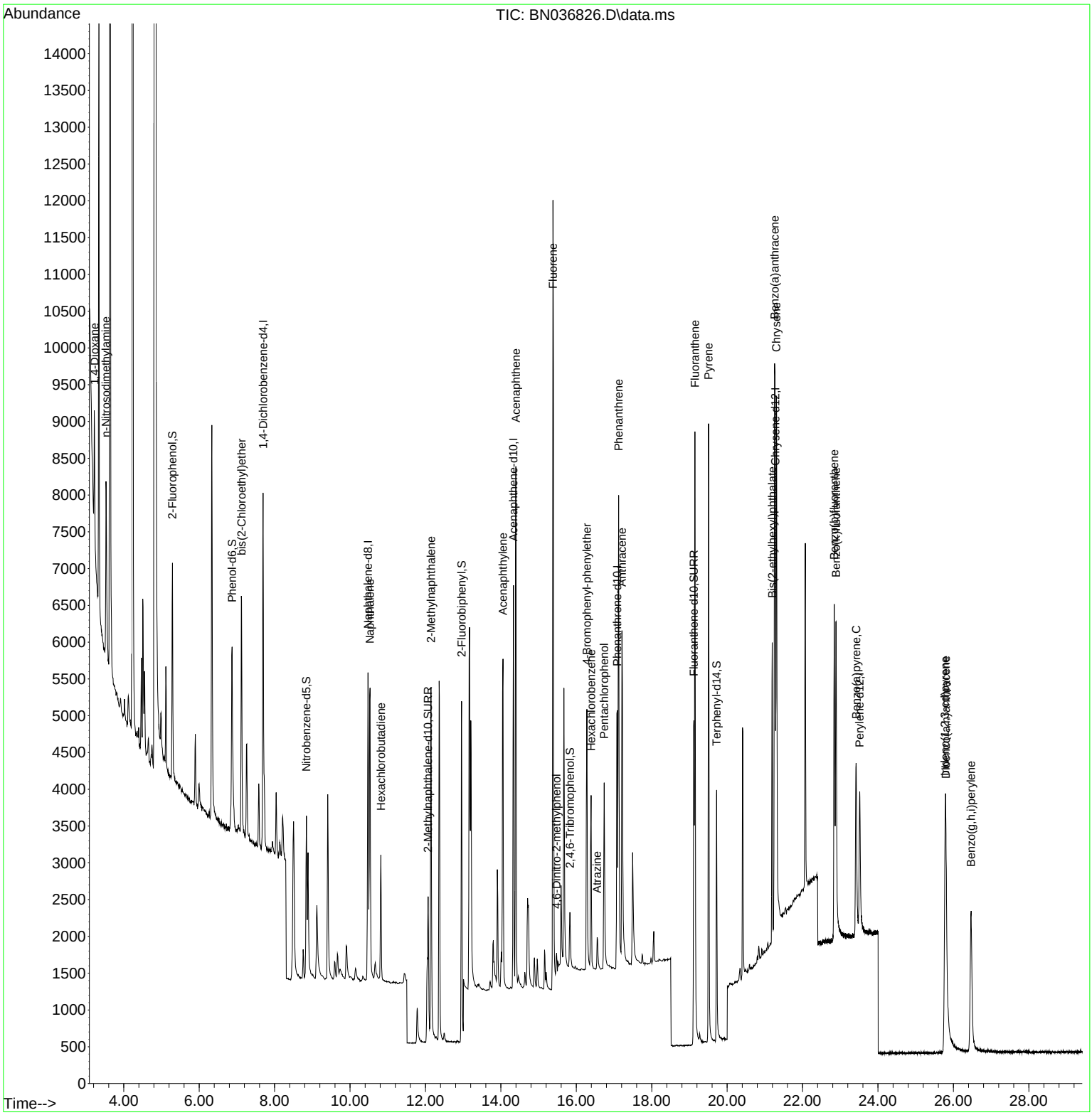
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036826.D
Acq On : 03 Apr 2025 17:14
Operator : RC/JU
Sample : PB167430BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 03 17:39:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB167430BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036827.D
Acq On : 03 Apr 2025 17:50
Operator : RC/JU
Sample : PB167430BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 03 18:14:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB167430BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	2152	0.400	ng	-0.03
7) Naphthalene-d8	10.477	136	5190	0.400	ng	-0.03
13) Acenaphthene-d10	14.334	164	2805	0.400	ng	-0.03
19) Phenanthrene-d10	17.086	188	5710	0.400	ng	-0.02
29) Chrysene-d12	21.277	240	4059	0.400	ng	#-0.02
35) Perylene-d12	23.516	264	1954	0.400	ng	#-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2032	0.405	ng	-0.02
5) Phenol-d6	6.872	99	2364	0.382	ng	-0.03
8) Nitrobenzene-d5	8.843	82	1762	0.312	ng	-0.03
11) 2-Methylnaphthalene-d10	12.070	152	3326m	0.431	ng	-0.04
14) 2,4,6-Tribromophenol	15.833	330	465	0.365	ng	-0.02
15) 2-Fluorobiphenyl	12.958	172	5694	0.349	ng	-0.03
27) Fluoranthene-d10	19.113	212	5064	0.346	ng	-0.03
31) Terphenyl-d14	19.717	244	3498	0.360	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.225	88	841	0.352	ng	# 38
3) n-Nitrosodimethylamine	3.528	42	1924	0.398	ng	# 95
6) bis(2-Chloroethyl)ether	7.118	93	2319	0.362	ng	97
9) Naphthalene	10.530	128	5604	0.367	ng	100
10) Hexachlorobutadiene	10.818	225	1249	0.348	ng	# 100
12) 2-Methylnaphthalene	12.146	142	3541	0.365	ng	99
16) Acenaphthylene	14.056	152	5028	0.380	ng	99
17) Acenaphthene	14.398	154	3346	0.386	ng	99
18) Fluorene	15.382	166	4448	0.379	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	472	0.469	ng	# 80
21) 4-Bromophenyl-phenylether	16.280	248	1317	0.368	ng	93
22) Hexachlorobenzene	16.391	284	1540	0.357	ng	97
23) Atrazine	16.565	200	325	0.113	ng	# 84
24) Pentachlorophenol	16.739	266	1406	0.714	ng	99
25) Phenanthrene	17.124	178	6736	0.393	ng	99
26) Anthracene	17.210	178	6105	0.395	ng	100
28) Fluoranthene	19.146	202	7399	0.385	ng	99
30) Pyrene	19.508	202	6876	0.346	ng	100
32) Benzo(a)anthracene	21.259	228	5364	0.380	ng	100
33) Chrysene	21.313	228	6613	0.429	ng	98
34) Bis(2-ethylhexyl)phtha...	21.196	149	3514	0.350	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.782	276	4405	0.625	ng	99
37) Benzo(b)fluoranthene	22.841	252	5131	0.722	ng	97
38) Benzo(k)fluoranthene	22.888	252	5174	0.694	ng	96
39) Benzo(a)pyrene	23.420	252	3260	0.544	ng	95
40) Dibenzo(a,h)anthracene	25.803	278	4093	0.745	ng	96
41) Benzo(g,h,i)perylene	26.466	276	3441	0.548	ng	99

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

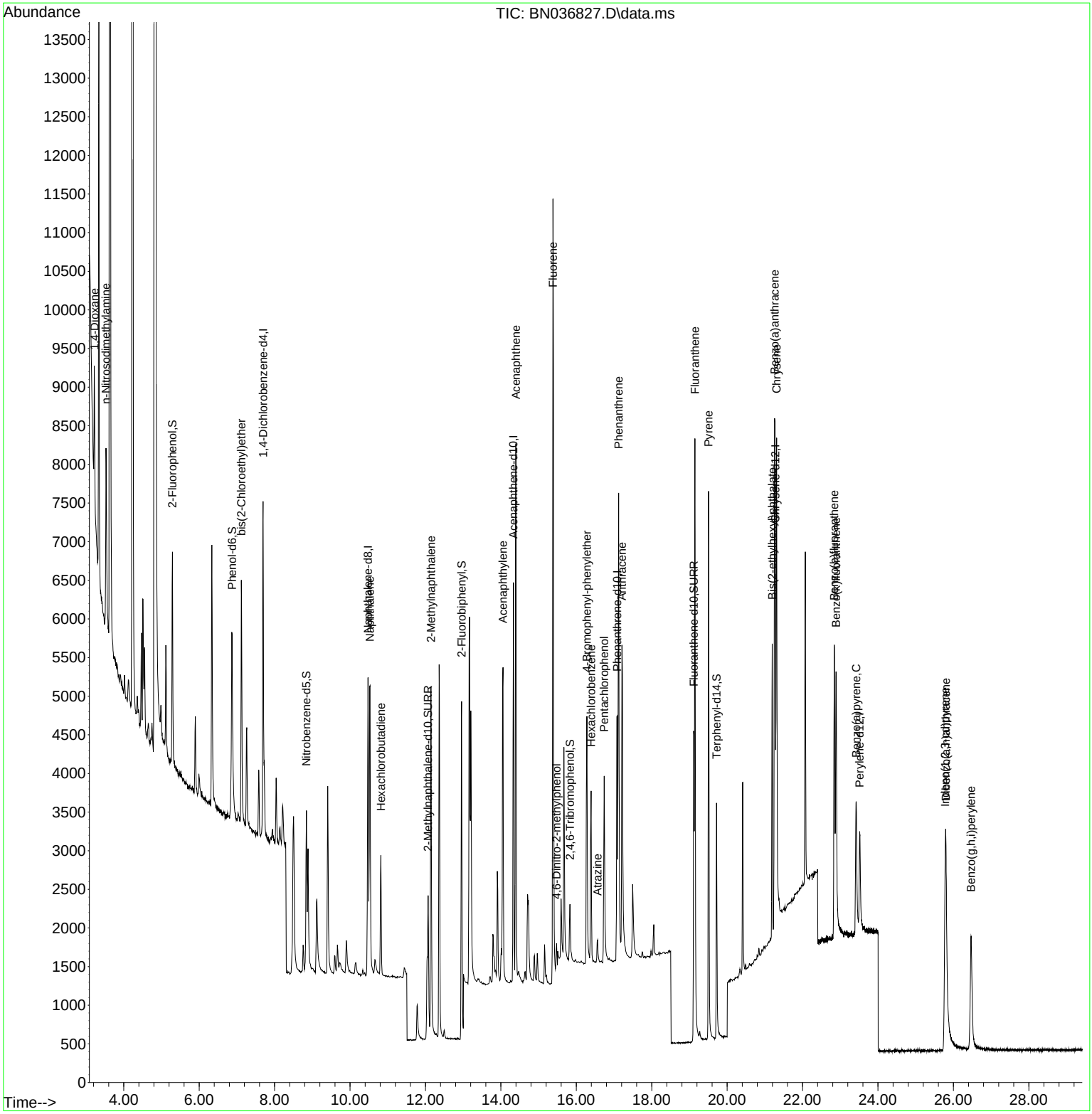
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036827.D
Acq On : 03 Apr 2025 17:50
Operator : RC/JU
Sample : PB167430BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 03 18:14:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB167430BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



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

Manual Integration Report

Sequence:	BN031025	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036557.D	1,4-Dioxane	anahy	3/11/2025 9:18:29 AM	Jagrut	3/11/2025 10:27:49 AM	Peak Integrated by Software
SSTDICC0.2	BN036558.D	1,4-Dioxane	anahy	3/11/2025 9:19:12 AM	Jagrut	3/11/2025 10:27:51 AM	Peak Integrated by Software
SSTDCCC0.4	BN036572.D	Benzo(k)fluoranthene	anahy	3/11/2025 9:20:59 AM	Jagrut	3/11/2025 10:27:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN036572.D	Chrysene-d12	anahy	3/11/2025 9:20:59 AM	Jagrut	3/11/2025 10:27:55 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN040325	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC0.4	BN036817.D	Benzo(k)fluoranthene	Rahul	4/4/2025 12:21:54 PM	Jagrut	4/4/2025 12:42:41 PM	Peak Integrated by Software
PB167430BS	BN036826.D	2-Methylnaphthalene-d10	Rahul	4/4/2025 12:22:00 PM	Jagrut	4/4/2025 12:42:45 PM	Peak Integrated by Software
PB167430BSD	BN036827.D	2-Methylnaphthalene-d10	Rahul	4/4/2025 12:22:02 PM	Jagrut	4/4/2025 12:42:47 PM	Peak Integrated by Software

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN031025

Review By	anahy	Review On	3/11/2025 9:36:11 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:28:11 AM		
SubDirectory	BN031025	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036556.D	10 Mar 2025 11:03	RC/JU	Ok
2	SSTDICC0.1	BN036557.D	10 Mar 2025 11:42	RC/JU	Ok,M
3	SSTDICC0.2	BN036558.D	10 Mar 2025 12:18	RC/JU	Ok,M
4	SSTDICCC0.4	BN036559.D	10 Mar 2025 12:54	RC/JU	Ok
5	SSTDICC0.8	BN036560.D	10 Mar 2025 13:31	RC/JU	Ok
6	SSTDICC1.6	BN036561.D	10 Mar 2025 14:07	RC/JU	Ok
7	SSTDICC3.2	BN036562.D	10 Mar 2025 14:43	RC/JU	Ok
8	SSTDICC5.0	BN036563.D	10 Mar 2025 15:19	RC/JU	Ok
9	SSTDICV0.4	BN036564.D	10 Mar 2025 16:38	RC/JU	Ok
10	PB167057BL	BN036565.D	10 Mar 2025 17:14	RC/JU	Ok
11	Q1531-03	BN036566.D	10 Mar 2025 17:50	RC/JU	Ok
12	Q1531-04	BN036567.D	10 Mar 2025 18:26	RC/JU	Ok
13	Q1531-05	BN036568.D	10 Mar 2025 19:02	RC/JU	Ok
14	Q1531-06	BN036569.D	10 Mar 2025 19:38	RC/JU	Ok,M
15	Q1531-13	BN036570.D	10 Mar 2025 20:14	RC/JU	Ok
16	Q1531-14	BN036571.D	10 Mar 2025 20:50	RC/JU	Ok
17	SSTDCCC0.4	BN036572.D	10 Mar 2025 21:26	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN040325

Review By	Rahul	Review On	4/4/2025 12:22:50 PM		
Supervise By	Jagrut	Supervise On	4/4/2025 12:43:19 PM		
SubDirectory	BN040325	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036816.D	03 Apr 2025 11:08	RC/JU	Ok
2	SSTDCCC0.4	BN036817.D	03 Apr 2025 11:47	RC/JU	Ok,M
3	PB167430BL	BN036818.D	03 Apr 2025 12:24	RC/JU	Ok
4	Q1690-01	BN036819.D	03 Apr 2025 13:00	RC/JU	Ok
5	Q1697-01	BN036820.D	03 Apr 2025 13:37	RC/JU	Dilution
6	Q1697-02	BN036821.D	03 Apr 2025 14:13	RC/JU	Ok
7	Q1697-03	BN036822.D	03 Apr 2025 14:49	RC/JU	Ok
8	Q1697-04	BN036823.D	03 Apr 2025 15:25	RC/JU	Ok
9	Q1697-05	BN036824.D	03 Apr 2025 16:01	RC/JU	Ok
10	Q1697-01DL	BN036825.D	03 Apr 2025 16:38	RC/JU	Ok
11	PB167430BS	BN036826.D	03 Apr 2025 17:14	RC/JU	Ok,M
12	PB167430BSD	BN036827.D	03 Apr 2025 17:50	RC/JU	Ok,M
13	PB167450BS	BN036828.D	03 Apr 2025 18:26	RC/JU	Ok,M
14	PB167450BL	BN036829.D	03 Apr 2025 19:02	RC/JU	Ok
15	Q1711-04	BN036830.D	03 Apr 2025 19:38	RC/JU	Ok,M
16	Q1711-07	BN036831.D	03 Apr 2025 20:14	RC/JU	Ok
17	Q1711-08	BN036832.D	03 Apr 2025 20:51	RC/JU	Ok
18	Q1711-01	BN036833.D	03 Apr 2025 21:27	RC/JU	Ok
19	Q1711-02MS	BN036834.D	03 Apr 2025 22:03	RC/JU	Ok
20	Q1711-03MSD	BN036835.D	03 Apr 2025 22:39	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN031025

Review By	anahy	Review On	3/11/2025 9:36:11 AM	
Supervise By	Jagrut	Supervise On	3/11/2025 10:28:11 AM	
SubDirectory	BN031025	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036556.D	10 Mar 2025 11:03		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036557.D	10 Mar 2025 11:42	Compound #20 removed.	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036558.D	10 Mar 2025 12:18		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036559.D	10 Mar 2025 12:54		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036560.D	10 Mar 2025 13:31		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036561.D	10 Mar 2025 14:07	Compound #20 kept on QR.	RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036562.D	10 Mar 2025 14:43	Method is good for DOD.	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036563.D	10 Mar 2025 15:19		RC/JU	Ok
9	SSTDICV0.4	ICVBN031025	BN036564.D	10 Mar 2025 16:38		RC/JU	Ok
10	PB167057BL	PB167057BL	BN036565.D	10 Mar 2025 17:14		RC/JU	Ok
11	Q1531-03	RE122D1-20250305	BN036566.D	10 Mar 2025 17:50		RC/JU	Ok
12	Q1531-04	RE126D1-20250306	BN036567.D	10 Mar 2025 18:26		RC/JU	Ok
13	Q1531-05	RE126D2-20250306	BN036568.D	10 Mar 2025 19:02		RC/JU	Ok
14	Q1531-06	DUP01-20250306	BN036569.D	10 Mar 2025 19:38		RC/JU	Ok,M
15	Q1531-13	RE108D1-20250306	BN036570.D	10 Mar 2025 20:14		RC/JU	Ok
16	Q1531-14	RE105D1-20250306	BN036571.D	10 Mar 2025 20:50		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4EC	BN036572.D	10 Mar 2025 21:26		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN040325

Review By	Rahul	Review On	4/4/2025 12:22:50 PM	
Supervise By	Jagrut	Supervise On	4/4/2025 12:43:19 PM	
SubDirectory	BN040325	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036816.D	03 Apr 2025 11:08		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036817.D	03 Apr 2025 11:47		RC/JU	Ok,M
3	PB167430BL	PB167430BL	BN036818.D	03 Apr 2025 12:24		RC/JU	Ok
4	Q1690-01	MW112010	BN036819.D	03 Apr 2025 13:00		RC/JU	Ok
5	Q1697-01	MW-19B-72-040125	BN036820.D	03 Apr 2025 13:37	Need 2X Dilution	RC/JU	Dilution
6	Q1697-02	IW-01-55-040125	BN036821.D	03 Apr 2025 14:13		RC/JU	Ok
7	Q1697-03	IW-02-55-040125	BN036822.D	03 Apr 2025 14:49		RC/JU	Ok
8	Q1697-04	IW-02-55-040125-FD	BN036823.D	03 Apr 2025 15:25		RC/JU	Ok
9	Q1697-05	IW-03-55-040125	BN036824.D	03 Apr 2025 16:01		RC/JU	Ok
10	Q1697-01DL	MW-19B-72-040125DL	BN036825.D	03 Apr 2025 16:38		RC/JU	Ok
11	PB167430BS	PB167430BS	BN036826.D	03 Apr 2025 17:14		RC/JU	Ok,M
12	PB167430BSD	PB167430BSD	BN036827.D	03 Apr 2025 17:50		RC/JU	Ok,M
13	PB167450BS	PB167450BS	BN036828.D	03 Apr 2025 18:26		RC/JU	Ok,M
14	PB167450BL	PB167450BL	BN036829.D	03 Apr 2025 19:02		RC/JU	Ok
15	Q1711-04	MW-17B-55-040225	BN036830.D	03 Apr 2025 19:38		RC/JU	Ok,M
16	Q1711-07	RMW-05B-89-040225	BN036831.D	03 Apr 2025 20:14		RC/JU	Ok
17	Q1711-08	EB01-040225	BN036832.D	03 Apr 2025 20:51		RC/JU	Ok
18	Q1711-01	MW-18B-56-040225	BN036833.D	03 Apr 2025 21:27		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN040325

Review By	Rahul	Review On	4/4/2025 12:22:50 PM	
Supervise By	Jagrut	Supervise On	4/4/2025 12:43:19 PM	
SubDirectory	BN040325	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1711-02MS	MW-18B-56-040225MS	BN036834.D	03 Apr 2025 22:03		RC/JU	Ok
20	Q1711-03MSD	MW-18B-56-040225MS	BN036835.D	03 Apr 2025 22:39		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167430

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/02/2025
Matrix :	Water			**Extraction Start Time :**	14:40
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	04/03/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	09:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	rajesh

Extraction Method: ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6755
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	E3904
Baked Na2SO4	N/A	EP2597
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/03/25	RP (Ext. Lab)	RC/SVOC
9:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167430

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

Concentration Date: 04/03/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167430BL	SBLK430	SVOC-SIMGroup1	1000	6	ritesh	rajesh	1			SEP-01
PB167430BS	SLCS430	SVOC-SIMGroup1	1000	6	ritesh	rajesh	1			2
PB167430BSD	SLCSD430	SVOC-SIMGroup1	1000	6	ritesh	rajesh	1			3
Q1690-01	MW112010	SVOC-SIMGroup1	1000	6	ritesh	rajesh	1	E		4
Q1697-01	MW-19B-72-040125	SVOC-SIMGroup1	970	6	ritesh	rajesh	1	I		5
Q1697-02	IW-01-55-040125	SVOC-SIMGroup1	990	6	ritesh	rajesh	1	I		6
Q1697-03	IW-02-55-040125	SVOC-SIMGroup1	970	6	ritesh	rajesh	1	I		7
Q1697-04	IW-02-55-040125-FD	SVOC-SIMGroup1	970	6	ritesh	rajesh	1	I		8
Q1697-05	IW-03-55-040125	SVOC-SIMGroup1	980	6	ritesh	rajesh	1	I		9

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

4/3/25

Q1690

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1697 **WorkList ID :** 188686 **Department :** Extraction **Date :** 04-02-2025 14:36:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1690-01	MW112010	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	I31	03/31/2025	8270-Modified
Q1697-01	MW-19B-72-040125	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	I31	04/01/2025	8270-Modified
Q1697-02	IW-01-55-040125	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	I31	04/01/2025	8270-Modified
Q1697-03	IW-02-55-040125	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	I31	04/01/2025	8270-Modified
Q1697-04	IW-02-55-040125-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	I31	04/01/2025	8270-Modified
Q1697-05	IW-03-55-040125	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	I31	04/01/2025	8270-Modified

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Date/Time 04/02/25 14:35
Raw Sample Received by: RJ (Ent Lab)
Raw Sample Relinquished by:

Date/Time 04/02/25 15:03
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ent Lab)

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LAB CHRONICLE

OrderID:	Q1690	**OrderDate:**	4/1/2025 12:32:10 PM
Client:	G Environmental	**Project:**	TGP
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	**MW112010**	**Water**			**03/31/25**			**04/01/25**
			SVOC-SIMGroup1	8270-Modified		04/02/25	04/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1690 **Order ID:** Q1690

Client: G Environmental **Project ID:** TGP

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW112010								
Q1690-01	MW112010	Water	Aluminum	2180		28.3	50.0	ug/L
Q1690-01	MW112010	Water	Barium	129		6.28	50.0	ug/L
Q1690-01	MW112010	Water	Cadmium	0.11	J	0.094	3.00	ug/L
Q1690-01	MW112010	Water	Calcium	40800		33.0	1000	ug/L
Q1690-01	MW112010	Water	Chromium	6.09		0.66	5.00	ug/L
Q1690-01	MW112010	Water	Cobalt	1.41	J	0.50	15.0	ug/L
Q1690-01	MW112010	Water	Copper	25.1		7.07	10.0	ug/L
Q1690-01	MW112010	Water	Iron	4600		18.5	50.0	ug/L
Q1690-01	MW112010	Water	Lead	30.2		3.51	6.00	ug/L
Q1690-01	MW112010	Water	Magnesium	4670		39.4	1000	ug/L
Q1690-01	MW112010	Water	Manganese	239		1.46	10.0	ug/L
Q1690-01	MW112010	Water	Nickel	6.49	J	0.85	20.0	ug/L
Q1690-01	MW112010	Water	Potassium	2610		685	1000	ug/L
Q1690-01	MW112010	Water	Sodium	33300		237	1000	ug/L
Q1690-01	MW112010	Water	Vanadium	7.04	J	3.06	20.0	ug/L
Q1690-01	MW112010	Water	Zinc	85.5		1.75	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	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.
7429-90-5	Aluminum	2180	N	1	28.3	50.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-39-3	Barium	129		1	6.28	50.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-43-9	Cadmium	0.11	J	1	0.094	3.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-70-2	Calcium	40800		1	33.0	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-47-3	Chromium	6.09		1	0.66	5.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-48-4	Cobalt	1.41	J	1	0.50	15.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-50-8	Copper	25.1		1	7.07	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-89-6	Iron	4600	N	1	18.5	50.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-92-1	Lead	30.2		1	3.51	6.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-95-4	Magnesium	4670		1	39.4	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-96-5	Manganese	239	N	1	1.46	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	04/02/25 09:05	04/02/25 14:33	SW7470A	
7440-02-0	Nickel	6.49	J	1	0.85	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-09-7	Potassium	2610		1	685	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-23-5	Sodium	33300		1	237	1000	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-62-2	Vanadium	7.04	J	1	3.06	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010
7440-66-6	Zinc	85.5		1	1.75	20.0	ug/L	04/02/25 09:15	04/03/25 14:10	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB73	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	14:12	LB135269

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB23	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	14:17	LB135269
CCB24	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	14:46	LB135269
CCB25	Mercury	0.20	+/-0.20	U	0.20	CV	04/02/2025	15:05	LB135269

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	04/03/2025	12:15	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	12:15	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	12:15	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:15	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:15	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	12:15	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	12:15	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	12:15	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	12:15	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	12:15	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	12:15	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	12:15	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	12:15	LB135289

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	04/03/2025	12:47	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	12:47	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	12:47	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:47	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	12:47	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	12:47	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	12:47	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	12:47	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	12:47	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	12:47	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	12:47	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	12:47	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	12:47	LB135289
CCB02	Aluminum	100	+/-100	U	100	P	04/03/2025	13:57	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	13:57	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	13:57	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	13:57	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	13:57	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	13:57	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	13:57	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	13:57	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	13:57	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	13:57	LB135289

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	13:57	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	13:57	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	13:57	LB135289
CCB03	Aluminum	100	+/-100	U	100	P	04/03/2025	14:43	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	14:43	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	14:43	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	14:43	LB135289
	Cadmium	0.26	+/-6.00	J	6.00	P	04/03/2025	14:43	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	14:43	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	14:43	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	14:43	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	14:43	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	14:43	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	14:43	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	14:43	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	14:43	LB135289
CCB04	Aluminum	100	+/-100	U	100	P	04/03/2025	15:36	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	15:36	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	15:36	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	15:36	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	15:36	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	15:36	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	15:36	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	15:36	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	15:36	LB135289

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	15:36	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	15:36	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	15:36	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	15:36	LB135289
CCB05	Aluminum	100	+/-100	U	100	P	04/03/2025	16:40	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	16:40	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	16:40	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	16:40	LB135289
	Cadmium	0.38	+/-6.00	J	6.00	P	04/03/2025	16:40	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	16:40	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	16:40	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	16:40	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	16:40	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	16:40	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	16:40	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	16:40	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	16:40	LB135289
CCB06	Aluminum	100	+/-100	U	100	P	04/03/2025	18:00	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	18:00	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	18:00	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	18:00	LB135289
	Cadmium	6.00	+/-6.00	U	6.00	P	04/03/2025	18:00	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	18:00	LB135289

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	18:00	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	18:00	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	18:00	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	18:00	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	18:00	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	18:00	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	18:00	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	18:00	LB135289
	Sodium	624	+/-2000	J	2000	P	04/03/2025	18:00	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	18:00	LB135289
CCB07	Aluminum	100	+/-100	U	100	P	04/03/2025	18:33	LB135289
	Antimony	50.0	+/-50.0	U	50.0	P	04/03/2025	18:33	LB135289
	Arsenic	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Barium	100	+/-100	U	100	P	04/03/2025	18:33	LB135289
	Beryllium	6.00	+/-6.00	U	6.00	P	04/03/2025	18:33	LB135289
	Cadmium	0.23	+/-6.00	J	6.00	P	04/03/2025	18:33	LB135289
	Calcium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Chromium	10.0	+/-10.0	U	10.0	P	04/03/2025	18:33	LB135289
	Cobalt	30.0	+/-30.0	U	30.0	P	04/03/2025	18:33	LB135289
	Copper	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Iron	100	+/-100	U	100	P	04/03/2025	18:33	LB135289
	Lead	12.0	+/-12.0	U	12.0	P	04/03/2025	18:33	LB135289
	Magnesium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Manganese	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Nickel	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289
	Potassium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Selenium	20.0	+/-20.0	U	20.0	P	04/03/2025	18:33	LB135289
	Silver	10.0	+/-10.0	U	10.0	P	04/03/2025	18:33	LB135289
	Sodium	2000	+/-2000	U	2000	P	04/03/2025	18:33	LB135289
	Thallium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289
	Vanadium	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289
	Zinc	40.0	+/-40.0	U	40.0	P	04/03/2025	18:33	LB135289

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Metals
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PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167425BL		**WATER**		**Batch Number:**	**PB167425**		**Prep Date:**	**04/02/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	04/02/2025	14:26	LB135269

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1690

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167422BL		**WATER**		**Batch Number:**	**PB167422**		**Prep Date:**	**04/02/2025**	
	Aluminum	50.0	<50.0	U	50.0	P	04/03/2025	15:06	LB135289
	Antimony	25.0	<25.0	U	25.0	P	04/03/2025	15:06	LB135289
	Arsenic	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Barium	50.0	<50.0	U	50.0	P	04/03/2025	15:06	LB135289
	Beryllium	3.00	<3.00	U	3.00	P	04/03/2025	15:06	LB135289
	Cadmium	3.00	<3.00	U	3.00	P	04/03/2025	15:06	LB135289
	Calcium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Chromium	5.00	<5.00	U	5.00	P	04/03/2025	15:06	LB135289
	Cobalt	15.0	<15.0	U	15.0	P	04/03/2025	15:06	LB135289
	Copper	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Iron	50.0	<50.0	U	50.0	P	04/03/2025	15:06	LB135289
	Lead	6.00	<6.00	U	6.00	P	04/03/2025	15:06	LB135289
	Magnesium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Manganese	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Nickel	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289
	Potassium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Selenium	10.0	<10.0	U	10.0	P	04/03/2025	15:06	LB135289
	Silver	5.00	<5.00	U	5.00	P	04/03/2025	15:06	LB135289
	Sodium	1000	<1000	U	1000	P	04/03/2025	15:06	LB135289
	Thallium	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289
	Vanadium	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289
	Zinc	20.0	<20.0	U	20.0	P	04/03/2025	15:06	LB135289

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV73	Mercury	4.04	4.0	101	90 - 110	CV	04/02/2025	14:10	LB135269

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV23	Mercury	4.78	5.0	96	90 - 110	CV	04/02/2025	14:14	LB135269
CCV24	Mercury	4.72	5.0	94	90 - 110	CV	04/02/2025	14:44	LB135269
CCV25	Mercury	4.52	5.0	90	90 - 110	CV	04/02/2025	15:03	LB135269

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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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	Aluminum	2600	2500	104	90 - 110	P	04/03/2025	12:06	LB135289
	Antimony	1070	1000	107	90 - 110	P	04/03/2025	12:06	LB135289
	Arsenic	1040	1000	104	90 - 110	P	04/03/2025	12:06	LB135289
	Barium	495	520	95	90 - 110	P	04/03/2025	12:06	LB135289
	Beryllium	494	510	97	90 - 110	P	04/03/2025	12:06	LB135289
	Cadmium	511	510	100	90 - 110	P	04/03/2025	12:06	LB135289
	Calcium	10000	10000	100	90 - 110	P	04/03/2025	12:06	LB135289
	Chromium	529	520	102	90 - 110	P	04/03/2025	12:06	LB135289
	Cobalt	520	520	100	90 - 110	P	04/03/2025	12:06	LB135289
	Copper	516	510	101	90 - 110	P	04/03/2025	12:06	LB135289
	Iron	10300	10000	103	90 - 110	P	04/03/2025	12:06	LB135289
	Lead	1010	1000	101	90 - 110	P	04/03/2025	12:06	LB135289
	Magnesium	5780	6000	96	90 - 110	P	04/03/2025	12:06	LB135289
	Manganese	501	520	96	90 - 110	P	04/03/2025	12:06	LB135289
	Nickel	549	530	104	90 - 110	P	04/03/2025	12:06	LB135289
	Potassium	10200	9900	103	90 - 110	P	04/03/2025	12:06	LB135289
	Selenium	1050	1000	105	90 - 110	P	04/03/2025	12:06	LB135289
	Silver	261	250	104	90 - 110	P	04/03/2025	12:06	LB135289
	Sodium	10500	10000	105	90 - 110	P	04/03/2025	12:06	LB135289
	Thallium	1100	1000	110	90 - 110	P	04/03/2025	12:06	LB135289
	Vanadium	497	500	100	90 - 110	P	04/03/2025	12:06	LB135289
	Zinc	1030	1000	103	90 - 110	P	04/03/2025	12:06	LB135289

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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	Aluminum	108	100	108	80 - 120	P	04/03/2025	12:11	LB135289
	Antimony	50.7	50.0	101	80 - 120	P	04/03/2025	12:11	LB135289
	Arsenic	20.6	20.0	103	80 - 120	P	04/03/2025	12:11	LB135289
	Barium	88.9	100	89	80 - 120	P	04/03/2025	12:11	LB135289
	Beryllium	5.78	6.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Cadmium	5.76	6.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Calcium	1970	2000	99	80 - 120	P	04/03/2025	12:11	LB135289
	Chromium	9.76	10.0	98	80 - 120	P	04/03/2025	12:11	LB135289
	Cobalt	28.7	30.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Copper	22.8	20.0	114	80 - 120	P	04/03/2025	12:11	LB135289
	Iron	102	100	102	80 - 120	P	04/03/2025	12:11	LB135289
	Lead	11.1	12.0	93	80 - 120	P	04/03/2025	12:11	LB135289
	Magnesium	2010	2000	100	80 - 120	P	04/03/2025	12:11	LB135289
	Manganese	16.8	20.0	84	80 - 120	P	04/03/2025	12:11	LB135289
	Nickel	38.6	40.0	96	80 - 120	P	04/03/2025	12:11	LB135289
	Potassium	1900	2000	95	80 - 120	P	04/03/2025	12:11	LB135289
	Selenium	17.6	20.0	88	80 - 120	P	04/03/2025	12:11	LB135289
	Silver	10.4	10.0	104	80 - 120	P	04/03/2025	12:11	LB135289
	Sodium	1990	2000	99	80 - 120	P	04/03/2025	12:11	LB135289
	Thallium	39.8	40.0	100	80 - 120	P	04/03/2025	12:11	LB135289
	Vanadium	39.2	40.0	98	80 - 120	P	04/03/2025	12:11	LB135289
	Zinc	45.4	40.0	114	80 - 120	P	04/03/2025	12:11	LB135289

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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	Aluminum	9890	10000	99	90 - 110	P	04/03/2025	12:41	LB135289
	Antimony	5130	5000	103	90 - 110	P	04/03/2025	12:41	LB135289
	Arsenic	5050	5000	101	90 - 110	P	04/03/2025	12:41	LB135289
	Barium	9400	10000	94	90 - 110	P	04/03/2025	12:41	LB135289
	Beryllium	240	250	96	90 - 110	P	04/03/2025	12:41	LB135289
	Cadmium	2440	2500	98	90 - 110	P	04/03/2025	12:41	LB135289
	Calcium	23900	25000	96	90 - 110	P	04/03/2025	12:41	LB135289
	Chromium	1020	1000	102	90 - 110	P	04/03/2025	12:41	LB135289
	Cobalt	2440	2500	98	90 - 110	P	04/03/2025	12:41	LB135289
	Copper	1270	1250	102	90 - 110	P	04/03/2025	12:41	LB135289
	Iron	4870	5000	97	90 - 110	P	04/03/2025	12:41	LB135289
	Lead	4930	5000	99	90 - 110	P	04/03/2025	12:41	LB135289
	Magnesium	23600	25000	94	90 - 110	P	04/03/2025	12:41	LB135289
	Manganese	2320	2500	93	90 - 110	P	04/03/2025	12:41	LB135289
	Nickel	2430	2500	97	90 - 110	P	04/03/2025	12:41	LB135289
	Potassium	24800	25000	99	90 - 110	P	04/03/2025	12:41	LB135289
	Selenium	5110	5000	102	90 - 110	P	04/03/2025	12:41	LB135289
	Silver	1260	1250	101	90 - 110	P	04/03/2025	12:41	LB135289
	Sodium	25700	25000	103	90 - 110	P	04/03/2025	12:41	LB135289
	Thallium	5150	5000	103	90 - 110	P	04/03/2025	12:41	LB135289
	Vanadium	2410	2500	96	90 - 110	P	04/03/2025	12:41	LB135289
	Zinc	2530	2500	101	90 - 110	P	04/03/2025	12:41	LB135289
CCV02	Aluminum	9620	10000	96	90 - 110	P	04/03/2025	13:53	LB135289
	Antimony	5080	5000	102	90 - 110	P	04/03/2025	13:53	LB135289
	Arsenic	5030	5000	100	90 - 110	P	04/03/2025	13:53	LB135289
	Barium	9400	10000	94	90 - 110	P	04/03/2025	13:53	LB135289
	Beryllium	228	250	91	90 - 110	P	04/03/2025	13:53	LB135289
	Cadmium	2410	2500	97	90 - 110	P	04/03/2025	13:53	LB135289
	Calcium	23200	25000	93	90 - 110	P	04/03/2025	13:53	LB135289
	Chromium	995	1000	100	90 - 110	P	04/03/2025	13:53	LB135289
	Cobalt	2420	2500	97	90 - 110	P	04/03/2025	13:53	LB135289
	Copper	1260	1250	101	90 - 110	P	04/03/2025	13:53	LB135289
	Iron	4860	5000	97	90 - 110	P	04/03/2025	13:53	LB135289
	Lead	4860	5000	97	90 - 110	P	04/03/2025	13:53	LB135289

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
CCV02	Magnesium	22900	25000	91	90 - 110	P	04/03/2025	13:53	LB135289
	Manganese	2260	2500	90	90 - 110	P	04/03/2025	13:53	LB135289
	Nickel	2420	2500	97	90 - 110	P	04/03/2025	13:53	LB135289
	Potassium	24800	25000	99	90 - 110	P	04/03/2025	13:53	LB135289
	Selenium	5060	5000	101	90 - 110	P	04/03/2025	13:53	LB135289
	Silver	1230	1250	98	90 - 110	P	04/03/2025	13:53	LB135289
	Sodium	25600	25000	102	90 - 110	P	04/03/2025	13:53	LB135289
	Thallium	5010	5000	100	90 - 110	P	04/03/2025	13:53	LB135289
	Vanadium	2350	2500	94	90 - 110	P	04/03/2025	13:53	LB135289
	Zinc	2490	2500	100	90 - 110	P	04/03/2025	13:53	LB135289
CCV03	Aluminum	9770	10000	98	90 - 110	P	04/03/2025	14:39	LB135289
	Antimony	5090	5000	102	90 - 110	P	04/03/2025	14:39	LB135289
	Arsenic	5030	5000	101	90 - 110	P	04/03/2025	14:39	LB135289
	Barium	9580	10000	96	90 - 110	P	04/03/2025	14:39	LB135289
	Beryllium	242	250	97	90 - 110	P	04/03/2025	14:39	LB135289
	Cadmium	2440	2500	98	90 - 110	P	04/03/2025	14:39	LB135289
	Calcium	23700	25000	95	90 - 110	P	04/03/2025	14:39	LB135289
	Chromium	1010	1000	101	90 - 110	P	04/03/2025	14:39	LB135289
	Cobalt	2450	2500	98	90 - 110	P	04/03/2025	14:39	LB135289
	Copper	1270	1250	102	90 - 110	P	04/03/2025	14:39	LB135289
	Iron	4880	5000	98	90 - 110	P	04/03/2025	14:39	LB135289
	Lead	4910	5000	98	90 - 110	P	04/03/2025	14:39	LB135289
	Magnesium	23900	25000	96	90 - 110	P	04/03/2025	14:39	LB135289
	Manganese	2320	2500	93	90 - 110	P	04/03/2025	14:39	LB135289
	Nickel	2450	2500	98	90 - 110	P	04/03/2025	14:39	LB135289
	Potassium	24600	25000	99	90 - 110	P	04/03/2025	14:39	LB135289
	Selenium	5080	5000	102	90 - 110	P	04/03/2025	14:39	LB135289
	Silver	1250	1250	100	90 - 110	P	04/03/2025	14:39	LB135289
	Sodium	25300	25000	101	90 - 110	P	04/03/2025	14:39	LB135289
	Thallium	5200	5000	104	90 - 110	P	04/03/2025	14:39	LB135289
	Vanadium	2410	2500	96	90 - 110	P	04/03/2025	14:39	LB135289
	Zinc	2520	2500	101	90 - 110	P	04/03/2025	14:39	LB135289
CCV04	Aluminum	9360	10000	94	90 - 110	P	04/03/2025	15:32	LB135289
	Antimony	4900	5000	98	90 - 110	P	04/03/2025	15:32	LB135289

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
CCV04	Arsenic	4890	5000	98	90 - 110	P	04/03/2025	15:32	LB135289
	Barium	9580	10000	96	90 - 110	P	04/03/2025	15:32	LB135289
	Beryllium	231	250	92	90 - 110	P	04/03/2025	15:32	LB135289
	Cadmium	2430	2500	97	90 - 110	P	04/03/2025	15:32	LB135289
	Calcium	23100	25000	92	90 - 110	P	04/03/2025	15:32	LB135289
	Chromium	990	1000	99	90 - 110	P	04/03/2025	15:32	LB135289
	Cobalt	2440	2500	98	90 - 110	P	04/03/2025	15:32	LB135289
	Copper	1250	1250	100	90 - 110	P	04/03/2025	15:32	LB135289
	Iron	4970	5000	99	90 - 110	P	04/03/2025	15:32	LB135289
	Lead	4850	5000	97	90 - 110	P	04/03/2025	15:32	LB135289
	Magnesium	23700	25000	95	90 - 110	P	04/03/2025	15:32	LB135289
	Manganese	2300	2500	92	90 - 110	P	04/03/2025	15:32	LB135289
	Nickel	2470	2500	99	90 - 110	P	04/03/2025	15:32	LB135289
	Potassium	25000	25000	100	90 - 110	P	04/03/2025	15:32	LB135289
	Selenium	4900	5000	98	90 - 110	P	04/03/2025	15:32	LB135289
	Silver	1230	1250	98	90 - 110	P	04/03/2025	15:32	LB135289
	Sodium	25200	25000	101	90 - 110	P	04/03/2025	15:32	LB135289
	Thallium	5110	5000	102	90 - 110	P	04/03/2025	15:32	LB135289
	Vanadium	2390	2500	96	90 - 110	P	04/03/2025	15:32	LB135289
	Zinc	2460	2500	98	90 - 110	P	04/03/2025	15:32	LB135289
CCV05	Aluminum	9300	10000	93	90 - 110	P	04/03/2025	16:36	LB135289
	Antimony	4940	5000	99	90 - 110	P	04/03/2025	16:36	LB135289
	Arsenic	4900	5000	98	90 - 110	P	04/03/2025	16:36	LB135289
	Barium	9610	10000	96	90 - 110	P	04/03/2025	16:36	LB135289
	Beryllium	227	250	91	90 - 110	P	04/03/2025	16:36	LB135289
	Cadmium	2440	2500	98	90 - 110	P	04/03/2025	16:36	LB135289
	Calcium	23000	25000	92	90 - 110	P	04/03/2025	16:36	LB135289
	Chromium	994	1000	99	90 - 110	P	04/03/2025	16:36	LB135289
	Cobalt	2450	2500	98	90 - 110	P	04/03/2025	16:36	LB135289
	Copper	1250	1250	100	90 - 110	P	04/03/2025	16:36	LB135289
	Iron	4900	5000	98	90 - 110	P	04/03/2025	16:36	LB135289
	Lead	4860	5000	97	90 - 110	P	04/03/2025	16:36	LB135289
	Magnesium	23700	25000	95	90 - 110	P	04/03/2025	16:36	LB135289
	Manganese	2260	2500	91	90 - 110	P	04/03/2025	16:36	LB135289

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
CCV05	Nickel	2480	2500	99	90 - 110	P	04/03/2025	16:36	LB135289
	Potassium	24700	25000	99	90 - 110	P	04/03/2025	16:36	LB135289
	Selenium	4900	5000	98	90 - 110	P	04/03/2025	16:36	LB135289
	Silver	1220	1250	98	90 - 110	P	04/03/2025	16:36	LB135289
	Sodium	25100	25000	100	90 - 110	P	04/03/2025	16:36	LB135289
	Thallium	5060	5000	101	90 - 110	P	04/03/2025	16:36	LB135289
	Vanadium	2380	2500	95	90 - 110	P	04/03/2025	16:36	LB135289
	Zinc	2440	2500	98	90 - 110	P	04/03/2025	16:36	LB135289
CCV06	Aluminum	9570	10000	96	90 - 110	P	04/03/2025	17:48	LB135289
	Antimony	5050	5000	101	90 - 110	P	04/03/2025	17:48	LB135289
	Arsenic	5010	5000	100	90 - 110	P	04/03/2025	17:48	LB135289
	Barium	9640	10000	96	90 - 110	P	04/03/2025	17:48	LB135289
	Beryllium	239	250	96	90 - 110	P	04/03/2025	17:48	LB135289
	Cadmium	2480	2500	99	90 - 110	P	04/03/2025	17:48	LB135289
	Calcium	23600	25000	94	90 - 110	P	04/03/2025	17:48	LB135289
	Chromium	1010	1000	101	90 - 110	P	04/03/2025	17:48	LB135289
	Cobalt	2490	2500	100	90 - 110	P	04/03/2025	17:48	LB135289
	Copper	1280	1250	103	90 - 110	P	04/03/2025	17:48	LB135289
	Iron	4880	5000	98	90 - 110	P	04/03/2025	17:48	LB135289
	Lead	4940	5000	99	90 - 110	P	04/03/2025	17:48	LB135289
	Magnesium	24100	25000	97	90 - 110	P	04/03/2025	17:48	LB135289
	Manganese	2310	2500	92	90 - 110	P	04/03/2025	17:48	LB135289
	Nickel	2520	2500	101	90 - 110	P	04/03/2025	17:48	LB135289
	Potassium	25300	25000	101	90 - 110	P	04/03/2025	17:48	LB135289
	Selenium	5020	5000	100	90 - 110	P	04/03/2025	17:48	LB135289
	Silver	1250	1250	100	90 - 110	P	04/03/2025	17:48	LB135289
	Sodium	27000	25000	108	90 - 110	P	04/03/2025	17:48	LB135289
	Thallium	5220	5000	104	90 - 110	P	04/03/2025	17:48	LB135289
	Vanadium	2430	2500	97	90 - 110	P	04/03/2025	17:48	LB135289
	Zinc	2530	2500	101	90 - 110	P	04/03/2025	17:48	LB135289
CCV07	Aluminum	9840	10000	98	90 - 110	P	04/03/2025	18:29	LB135289
	Antimony	5050	5000	101	90 - 110	P	04/03/2025	18:29	LB135289
	Arsenic	5020	5000	100	90 - 110	P	04/03/2025	18:29	LB135289
	Barium	9620	10000	96	90 - 110	P	04/03/2025	18:29	LB135289

Alliance TECHNICAL GROUP
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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
CCV07	Beryllium	253	250	101	90 - 110	P	04/03/2025	18:29	LB135289
	Cadmium	2490	2500	100	90 - 110	P	04/03/2025	18:29	LB135289
	Calcium	24200	25000	97	90 - 110	P	04/03/2025	18:29	LB135289
	Chromium	1050	1000	104	90 - 110	P	04/03/2025	18:29	LB135289
	Cobalt	2500	2500	100	90 - 110	P	04/03/2025	18:29	LB135289
	Copper	1280	1250	103	90 - 110	P	04/03/2025	18:29	LB135289
	Iron	4960	5000	99	90 - 110	P	04/03/2025	18:29	LB135289
	Lead	4980	5000	100	90 - 110	P	04/03/2025	18:29	LB135289
	Magnesium	24700	25000	99	90 - 110	P	04/03/2025	18:29	LB135289
	Manganese	2360	2500	94	90 - 110	P	04/03/2025	18:29	LB135289
	Nickel	2520	2500	101	90 - 110	P	04/03/2025	18:29	LB135289
	Potassium	25300	25000	101	90 - 110	P	04/03/2025	18:29	LB135289
	Selenium	5010	5000	100	90 - 110	P	04/03/2025	18:29	LB135289
	Silver	1290	1250	103	90 - 110	P	04/03/2025	18:29	LB135289
	Sodium	26600	25000	106	90 - 110	P	04/03/2025	18:29	LB135289
	Thallium	5310	5000	106	90 - 110	P	04/03/2025	18:29	LB135289
	Vanadium	2470	2500	99	90 - 110	P	04/03/2025	18:29	LB135289
	Zinc	2590	2500	104	90 - 110	P	04/03/2025	18:29	LB135289

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
CRA	Mercury	0.20	0.2	101	40 - 160	CV	04/02/2025	14:19	LB135269
CRI01	Aluminum	108	100	108	40 - 160	P	04/03/2025	12:20	LB135289
	Antimony	52.6	50.0	105	40 - 160	P	04/03/2025	12:20	LB135289
	Arsenic	21.0	20.0	105	40 - 160	P	04/03/2025	12:20	LB135289
	Barium	82.8	100	83	40 - 160	P	04/03/2025	12:20	LB135289
	Beryllium	5.91	6.0	98	40 - 160	P	04/03/2025	12:20	LB135289
	Cadmium	5.76	6.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Calcium	1940	2000	97	40 - 160	P	04/03/2025	12:20	LB135289
	Chromium	10.00	10.0	100	40 - 160	P	04/03/2025	12:20	LB135289
	Cobalt	28.9	30.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Copper	22.8	20.0	114	40 - 160	P	04/03/2025	12:20	LB135289
	Iron	110	100	110	40 - 160	P	04/03/2025	12:20	LB135289
	Lead	11.6	12.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Magnesium	2020	2000	101	40 - 160	P	04/03/2025	12:20	LB135289
	Manganese	16.4	20.0	82	40 - 160	P	04/03/2025	12:20	LB135289
	Nickel	38.7	40.0	97	40 - 160	P	04/03/2025	12:20	LB135289
	Potassium	1850	2000	92	40 - 160	P	04/03/2025	12:20	LB135289
	Selenium	20.4	20.0	102	40 - 160	P	04/03/2025	12:20	LB135289
	Silver	10.7	10.0	107	40 - 160	P	04/03/2025	12:20	LB135289
	Sodium	1950	2000	97	40 - 160	P	04/03/2025	12:20	LB135289
	Thallium	41.1	40.0	103	40 - 160	P	04/03/2025	12:20	LB135289
	Vanadium	38.5	40.0	96	40 - 160	P	04/03/2025	12:20	LB135289
	Zinc	42.8	40.0	107	40 - 160	P	04/03/2025	12:20	LB135289

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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	Aluminum	247000	255000	97	216000	294000	04/03/2025	12:24	LB135289
	Antimony	-2.32			-50	50	04/03/2025	12:24	LB135289
	Arsenic	6.02			-20	20	04/03/2025	12:24	LB135289
	Barium	-2.75	6.0	46	-94	106	04/03/2025	12:24	LB135289
	Beryllium	1.20			-6	6	04/03/2025	12:24	LB135289
	Cadmium	-1.36	1.0	136	-5	7	04/03/2025	12:24	LB135289
	Calcium	225000	245000	92	208000	282000	04/03/2025	12:24	LB135289
	Chromium	56.8	52.0	109	42	62	04/03/2025	12:24	LB135289
	Cobalt	1.78			-30	30	04/03/2025	12:24	LB135289
	Copper	3.95	2.0	198	-18	22	04/03/2025	12:24	LB135289
	Iron	93800	101000	93	85600	116500	04/03/2025	12:24	LB135289
	Lead	4.36			-12	12	04/03/2025	12:24	LB135289
	Magnesium	241000	255000	94	216000	294000	04/03/2025	12:24	LB135289
	Manganese	0.72	7.0	10	-13	27	04/03/2025	12:24	LB135289
	Nickel	1.10	2.0	55	-38	42	04/03/2025	12:24	LB135289
	Potassium	1.40			0	0	04/03/2025	12:24	LB135289
	Selenium	-13.7			-20	20	04/03/2025	12:24	LB135289
	Silver	0.24			-10	10	04/03/2025	12:24	LB135289
	Sodium	34.5			0	0	04/03/2025	12:24	LB135289
	Thallium	8.38			-40	40	04/03/2025	12:24	LB135289
	Vanadium	2.84			-40	40	04/03/2025	12:24	LB135289
	Zinc	5.44			-40	40	04/03/2025	12:24	LB135289
ICSAB01	Aluminum	254000	247000	103	209000	285000	04/03/2025	12:28	LB135289
	Antimony	638	618	103	525	711	04/03/2025	12:28	LB135289
	Arsenic	110	104	106	88.4	120	04/03/2025	12:28	LB135289
	Barium	475	537	88	437	637	04/03/2025	12:28	LB135289
	Beryllium	475	495	96	420	570	04/03/2025	12:28	LB135289
	Cadmium	1000	972	103	826	1120	04/03/2025	12:28	LB135289
	Calcium	232000	235000	99	199000	271000	04/03/2025	12:28	LB135289
	Chromium	573	542	106	460	624	04/03/2025	12:28	LB135289
	Cobalt	511	476	107	404	548	04/03/2025	12:28	LB135289
	Copper	512	511	100	434	588	04/03/2025	12:28	LB135289
	Iron	99000	99300	100	84400	114500	04/03/2025	12:28	LB135289
	Lead	55.2	49.0	113	37	61	04/03/2025	12:28	LB135289
	Magnesium	248000	248000	100	210000	286000	04/03/2025	12:28	LB135289
	Manganese	461	507	91	430	584	04/03/2025	12:28	LB135289
	Nickel	1010	954	106	810	1100	04/03/2025	12:28	LB135289
	Potassium	-37.2			0	0	04/03/2025	12:28	LB135289
	Selenium	35.0	46.0	76	26	66	04/03/2025	12:28	LB135289
	Silver	191	201	95	170	232	04/03/2025	12:28	LB135289
	Sodium	35.8			0	0	04/03/2025	12:28	LB135289
	Thallium	112	108	104	68	148	04/03/2025	12:28	LB135289

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
ICSAB01	Vanadium	471	491	96	417	565	04/03/2025	12:28	LB135289
	Zinc	1070	952	112	809	1095	04/03/2025	12:28	LB135289

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1690

contract: GENV01 **lab code:** CHEM **case no.:** Q1690 **sas no.:** Q1690

matrix: Water **sample id:** Q1690-01 **client id:** MW112010MS

Percent Solids for Sample: NA **Spiked ID:** Q1690-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2920		2180		1000	74	N	P
Antimony	ug/L	75 - 125	391		25.0	U	400	98		P
Arsenic	ug/L	75 - 125	373		10.0	U	400	93		P
Barium	ug/L	75 - 125	204		129		100	75		P
Beryllium	ug/L	75 - 125	84.6		3.00	U	100	85		P
Cadmium	ug/L	75 - 125	86.1		0.11	J	100	86		P
Calcium	ug/L	75 - 125	38800		40800		500	-401		P
Chromium	ug/L	75 - 125	188		6.09		200	91		P
Cobalt	ug/L	75 - 125	90.2		1.41	J	100	89		P
Copper	ug/L	75 - 125	164		25.1		150	92		P
Iron	ug/L	75 - 125	5200		4600		1500	40	N	P
Lead	ug/L	75 - 125	445		30.2		500	83		P
Magnesium	ug/L	75 - 125	5210		4670		1000	54		P
Manganese	ug/L	75 - 125	300		239		100	61	N	P
Mercury	ug/L	75 - 125	4.17		0.20	U	4.0	104		CV
Nickel	ug/L	75 - 125	227		6.49	J	250	88		P
Potassium	ug/L	75 - 125	6980		2610		5000	87		P
Selenium	ug/L	75 - 125	902		10.0	U	1000	90		P
Silver	ug/L	75 - 125	33.7		5.00	U	37.5	90		P
Sodium	ug/L	75 - 125	30800		33300		1500	-170		P
Thallium	ug/L	75 - 125	885		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	136		7.04	J	150	86		P
Zinc	ug/L	75 - 125	172		85.5		100	86		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1690

contract: GENV01 **lab code:** CHEM **case no.:** Q1690 **sas no.:** Q1690

matrix: Water **sample id:** Q1690-01 **client id:** MW112010MSD

Percent Solids for Sample: NA **Spiked ID:** Q1690-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2890		2180		1000	72	N	P
Antimony	ug/L	75 - 125	382		25.0	U	400	96		P
Arsenic	ug/L	75 - 125	362		10.0	U	400	90		P
Barium	ug/L	75 - 125	211		129		100	82		P
Beryllium	ug/L	75 - 125	81.7		3.00	U	100	82		P
Cadmium	ug/L	75 - 125	84.8		0.11	J	100	85		P
Calcium	ug/L	75 - 125	38800		40800		500	-400		P
Chromium	ug/L	75 - 125	188		6.09		200	91		P
Cobalt	ug/L	75 - 125	89.5		1.41	J	100	88		P
Copper	ug/L	75 - 125	161		25.1		150	90		P
Iron	ug/L	75 - 125	5440		4600		1500	56	N	P
Lead	ug/L	75 - 125	439		30.2		500	82		P
Magnesium	ug/L	75 - 125	5180		4670		1000	51		P
Manganese	ug/L	75 - 125	304		239		100	65	N	P
Mercury	ug/L	75 - 125	4.08		0.20	U	4.0	102		CV
Nickel	ug/L	75 - 125	225		6.49	J	250	87		P
Potassium	ug/L	75 - 125	7300		2610		5000	94		P
Selenium	ug/L	75 - 125	875		10.0	U	1000	88		P
Silver	ug/L	75 - 125	33.9		5.00	U	37.5	90		P
Sodium	ug/L	75 - 125	31600		33300		1500	-117		P
Thallium	ug/L	75 - 125	876		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	136		7.04	J	150	86		P
Zinc	ug/L	75 - 125	172		85.5		100	87		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Matrix: Water **Level:** LOW **Client ID:** MW112010A

Sample ID: Q1690-01 **Spiked ID:** Q1690-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2990		2180		10000	8		P
Iron	ug/L	75 - 125	5560		4600		1500	64		P
Manganese	ug/L	75 - 125	304		239		100	65		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Matrix: Water **Sample ID:** Q1690-01 **Client ID:** MW112010DUP

Percent Solids for Sample: NA **Duplicate ID** Q1690-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	2180		2300		5		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	129		131		2		P
Beryllium	ug/L	20	3.00	U	0.14	J	200.0		P
Cadmium	ug/L	20	0.11	J	0.14	J	25		P
Calcium	ug/L	20	40800		40600		0		P
Chromium	ug/L	20	6.09		6.10		0		P
Cobalt	ug/L	20	1.41	J	1.43	J	1		P
Copper	ug/L	20	25.1		24.8		1		P
Iron	ug/L	20	4600		4530		2		P
Lead	ug/L	20	30.2		29.6		2		P
Magnesium	ug/L	20	4670		4680		0		P
Manganese	ug/L	20	239		241		1		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	6.49	J	6.37	J	2		P
Potassium	ug/L	20	2610		2580		1		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	33300		32200		3		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	7.04	J	7.65	J	8		P
Zinc	ug/L	20	85.5		85.4		0		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.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Matrix: Water **Sample ID:** Q1690-01MS **Client ID:** MW112010MSD

Percent Solids for Sample: NA **Duplicate ID** Q1690-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	2920		2890		1		P
Antimony	ug/L	20	391		382		2		P
Arsenic	ug/L	20	373		362		3		P
Barium	ug/L	20	204		211		3		P
Beryllium	ug/L	20	84.6		81.7		3		P
Cadmium	ug/L	20	86.1		84.8		2		P
Calcium	ug/L	20	38800		38800		0		P
Chromium	ug/L	20	188		188		0		P
Cobalt	ug/L	20	90.2		89.5		1		P
Copper	ug/L	20	164		161		2		P
Iron	ug/L	20	5200		5440		5		P
Lead	ug/L	20	445		439		1		P
Magnesium	ug/L	20	5210		5180		1		P
Manganese	ug/L	20	300		304		1		P
Mercury	ug/L	20	4.17		4.08		2		CV
Nickel	ug/L	20	227		225		1		P
Potassium	ug/L	20	6980		7300		4		P
Selenium	ug/L	20	902		875		3		P
Silver	ug/L	20	33.7		33.9		1		P
Sodium	ug/L	20	30800		31600		3		P
Thallium	ug/L	20	885		876		1		P
Vanadium	ug/L	20	136		136		0		P
Zinc	ug/L	20	172		172		0		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.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167422BS							
Aluminum	ug/L	1000	931		93	80 - 120	P
Antimony	ug/L	400	403		101	80 - 120	P
Arsenic	ug/L	400	387		97	80 - 120	P
Barium	ug/L	100	87.1		87	80 - 120	P
Beryllium	ug/L	100	92.8		93	80 - 120	P
Cadmium	ug/L	100	93.8		94	80 - 120	P
Calcium	ug/L	500	453	J	91	80 - 120	P
Chromium	ug/L	200	201		100	80 - 120	P
Cobalt	ug/L	100	95.5		96	80 - 120	P
Copper	ug/L	150	155		103	80 - 120	P
Iron	ug/L	1500	1440		96	80 - 120	P
Lead	ug/L	500	467		93	80 - 120	P
Magnesium	ug/L	1000	923	J	92	80 - 120	P
Manganese	ug/L	100	90.4		90	80 - 120	P
Nickel	ug/L	250	241		96	80 - 120	P
Potassium	ug/L	5000	4670		93	80 - 120	P
Selenium	ug/L	1000	983		98	80 - 120	P
Silver	ug/L	37.5	37.4		100	80 - 120	P
Sodium	ug/L	1500	1500		100	80 - 120	P
Thallium	ug/L	1000	1020		102	80 - 120	P
Vanadium	ug/L	150	140		93	80 - 120	P
Zinc	ug/L	100	101		101	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167425BS							
Mercury	ug/L	4.0	3.42		86	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW112010L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135289 **Lab Sample ID :** Q1690-01L **SDG No.:** Q1690

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
Aluminum	2180		2400		10		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	129		123	J	5		P
Beryllium	3.00	U	15.0	U			P
Cadmium	0.11	J	15.0	U	100.0		P
Calcium	40800		42300		4		P
Chromium	6.09		6.14	J	1		P
Cobalt	1.41	J	75.0	U	100.0		P
Copper	25.1		50.0	U	100.0		P
Iron	4600		4780		4		P
Lead	30.2		30.8		2		P
Magnesium	4670		4910	J	5		P
Manganese	239		248		4		P
Mercury	0.20	U	1.00	U			CV
Nickel	6.49	J	6.44	J	1		P
Potassium	2610		5000	U	100.0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	33300		32400		3		P
Thallium	20.0	U	100	U			P
Vanadium	7.04	J	100	U	100.0		P
Zinc	85.5		86.9	J	2		P

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1690 **Sas no.:** Q1690 **Sdg no.:** Q1690

Instrument id number: **Method:** **Run number:** LB135269

Start date: 04/02/2025 **End date:** 04/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1340	HG
S0.2	S0.2	1	1342	HG
S2.5	S2.5	1	1345	HG
S5	S5	1	1347	HG
S7.5	S7.5	1	1355	HG
S10	S10	1	1400	HG
ICV73	ICV73	1	1410	HG
ICB73	ICB73	1	1412	HG
CCV23	CCV23	1	1414	HG
CCB23	CCB23	1	1417	HG
CRA	CRA	1	1419	HG
PB167425BL	PB167425BL	1	1426	HG
Q1690-01	MW112010	1	1433	HG
Q1690-01DUP	MW112010DUP	1	1435	HG
Q1690-01MS	MW112010MS	1	1440	HG
Q1690-01MSD	MW112010MSD	1	1442	HG
CCV24	CCV24	1	1444	HG
CCB24	CCB24	1	1446	HG
Q1690-01L	MW112010L	5	1454	HG
PB167425BS	PB167425BS	1	1458	HG
CCV25	CCV25	1	1503	HG
CCB25	CCB25	1	1505	HG

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1690 **Sas no.:** Q1690 **Sdg no.:** Q1690

Instrument id number: **Method:** **Run number:** LB135289

Start date: 04/03/2025 **End date:** 04/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1030	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1034	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1206	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1211	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1241	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1247	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01	MW112010	1	1410	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01DUP	MW112010DUP	1	1423	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01L	MW112010L	5	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01MS	MW112010MS	1	1449	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01MSD	MW112010MSD	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1690-01A	MW112010A	1	1457	Al,Fe,Mn
PB167422BL	PB167422BL	1	1506	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167422BS	PB167422BS	1	1510	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1532	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1636	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1640	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1748	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1829	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	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.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1690 **SAS No.:** Q1690

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q1690	**OrderDate:**	4/1/2025 12:32:10 PM
Client:	G Environmental	**Project:**	TGP
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	**MW112010**	**Water**			**03/31/25**			**04/01/25**
			Mercury	7470A		04/02/25	04/02/25	
			Metals ICP-TAL	6010D		04/02/25	04/03/25	

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1690 **SAS No.:** Q1690

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167422**						
PB167422BL	PB167422BL	MB	WATER	04/02/2025	50.0	25.0	
PB167422BS	PB167422BS	LCS	WATER	04/02/2025	50.0	25.0	
Q1690-01	MW112010	SAM	WATER	04/02/2025	50.0	25.0	
Q1690-01DUP	MW112010DUP	DUP	WATER	04/02/2025	50.0	25.0	
Q1690-01MS	MW112010MS	MS	WATER	04/02/2025	50.0	25.0	
Q1690-01MSD	MW112010MSD	MSD	WATER	04/02/2025	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1690

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1690 **SAS No.:** Q1690

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167425**						
PB167425BL	PB167425BL	MB	WATER	04/02/2025	30.0	30.0	
PB167425BS	PB167425BS	LCS	WATER	04/02/2025	30.0	30.0	
Q1690-01	MW112010	SAM	WATER	04/02/2025	30.0	30.0	
Q1690-01DUP	MW112010DUP	DUP	WATER	04/02/2025	30.0	30.0	
Q1690-01MS	MW112010MS	MS	WATER	04/02/2025	30.0	30.0	
Q1690-01MSD	MW112010MSD	MSD	WATER	04/02/2025	30.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135269

Review By	mohan	Review On	4/4/2025 5:08:12 PM
Supervise By	jaswal	Supervise On	4/4/2025 5:09:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP85106,MP85107,MP85108,MP85109,MP85110,MP85111
ICV Standard	MP85112
CCV Standard	MP85114
ICSA Standard	
CRI Standard	MP85116
LCS Standard	
Chk Standard	MP85113,MP85115,MP85117,MP85119

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	04/02/25 13:40		mohan	OK
2	S0.2	S0.2	CAL2	04/02/25 13:42		mohan	OK
3	S2.5	S2.5	CAL3	04/02/25 13:45		mohan	OK
4	S5	S5	CAL4	04/02/25 13:47		mohan	OK
5	S7.5	S7.5	CAL5	04/02/25 13:55		mohan	OK
6	S10	S10	CAL6	04/02/25 14:00		mohan	OK
7	ICV73	ICV73	ICV	04/02/25 14:10		mohan	OK
8	ICB73	ICB73	ICB	04/02/25 14:12		mohan	OK
9	CCV23	CCV23	CCV	04/02/25 14:14		mohan	OK
10	CCB23	CCB23	CCB	04/02/25 14:17		mohan	OK
11	CRA	CRA	CRDL	04/02/25 14:19		mohan	OK
12	HighStd	HighStd	HIGH STD	04/02/25 14:21		mohan	OK
13	ChkStd	ChkStd	SAM	04/02/25 14:23		mohan	OK
14	PB167425BL	PB167425BL	MB	04/02/25 14:26		mohan	OK
15	Q1666-01	TW-WTS-05	SAM	04/02/25 14:30		mohan	OK
16	Q1690-01	MW112010	SAM	04/02/25 14:33		mohan	OK
17	Q1690-01DUP	MW112010DUP	DUP	04/02/25 14:35		mohan	OK
18	Q1690-01MS	MW112010MS	MS	04/02/25 14:40		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135269

Review By	mohan	Review On	4/4/2025 5:08:12 PM
Supervise By	jaswal	Supervise On	4/4/2025 5:09:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP85106,MP85107,MP85108,MP85109,MP85110,MP85111
ICV Standard	MP85112
CCV Standard	MP85114
ICSA Standard	
CRI Standard	MP85116
LCS Standard	
Chk Standard	MP85113,MP85115,MP85117,MP85119

19	Q1690-01MSD	MW112010MSD	MSD	04/02/25 14:42		mohan	OK
20	CCV24	CCV24	CCV	04/02/25 14:44		mohan	OK
21	CCB24	CCB24	CCB	04/02/25 14:46		mohan	OK
22	Q1690-01L	MW112010L	SD	04/02/25 14:54		mohan	OK
23	Q1690-01A	MW112010A	PS	04/02/25 14:56		mohan	OK
24	PB167425BS	PB167425BS	LCS	04/02/25 14:58		mohan	OK
25	CCV25	CCV25	CCV	04/02/25 15:03		mohan	OK
26	CCB25	CCB25	CCB	04/02/25 15:05		mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM

STD. NAME	STD REF.#
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022
ICV Standard	MP85023
CCV Standard	MP85026
ICSA Standard	MP85024,MP85025
CRI Standard	MP85022
LCS Standard	
Chk Standard	MP85030,MP85031

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	04/03/25 10:22		Kareem	OK
2	S1	S1	CAL2	04/03/25 10:26		Kareem	OK
3	S2	S2	CAL3	04/03/25 10:30		Kareem	OK
4	S3	S3	CAL4	04/03/25 10:34		Kareem	OK
5	S4	S4	CAL5	04/03/25 10:39		Kareem	OK
6	S5	S5	CAL6	04/03/25 10:43		Kareem	OK
7	ICV01	ICV01	ICV	04/03/25 12:06	ICV fail for Sb,Na,Tl (200.7) (95-105)	Kareem	OK
8	LLICV01	LLICV01	LLICV	04/03/25 12:11		Kareem	OK
9	ICB01	ICB01	ICB	04/03/25 12:15		Kareem	OK
10	CRI01	CRI01	CRDL	04/03/25 12:20		Kareem	OK
11	ICSA01	ICSA01	ICSA	04/03/25 12:24		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	04/03/25 12:28		Kareem	OK
13	ICSADL	ICSADL	ICSA	04/03/25 12:33		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	04/03/25 12:37		Kareem	OK
15	CCV01	CCV01	CCV	04/03/25 12:41		Kareem	OK
16	CCB01	CCB01	CCB	04/03/25 12:47		Kareem	OK
17	Q1503-07	PT-SIO2-WP	SAM	04/03/25 12:51	Si high	Kareem	Dilution
18	Q1680-01	TP-4	SAM	04/03/25 13:00		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM

STD. NAME	STD REF.#
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022
ICV Standard	MP85023
CCV Standard	MP85026
ICSA Standard	MP85024,MP85025
CRI Standard	MP85022
LCS Standard	
Chk Standard	MP85030,MP85031

19	Q1680-01DUP	TP-4DUP	DUP	04/03/25 13:05		Kareem	OK
20	Q1680-01L	TP-4L	SD	04/03/25 13:09		Kareem	OK
21	Q1680-01MS	TP-4MS	MS	04/03/25 13:17	0.1 ML OF M6013 AND M6004	Kareem	OK
22	Q1680-01MSD	TP-4MSD	MSD	04/03/25 13:28	0.1 ML OF M6013 AND M6004	Kareem	OK
23	Q1680-01A	TP-4A	PS	04/03/25 13:32	0.1 ML OF M6013 AND M6004	Kareem	OK
24	Q1681-01	TP-12	SAM	04/03/25 13:40		Kareem	OK
25	Q1503-07DL	PT-SIO2-WPDL	SAM	04/03/25 13:45	10x for Si	Kareem	Confirms
26	Q1688-01	OR-02-040125	SAM	04/03/25 13:49		Kareem	OK
27	CCV02	CCV02	CCV	04/03/25 13:53		Kareem	OK
28	CCB02	CCB02	CCB	04/03/25 13:57		Kareem	OK
29	PB167411BL	PB167411BL	MB	04/03/25 14:02		Kareem	OK
30	PB167411BS	PB167411BS	LCS	04/03/25 14:06	0.1 ML OF M6013 AND M6004	Kareem	OK
31	Q1690-01	MW112010	SAM	04/03/25 14:10		Kareem	OK
32	Q1707-01	001-WILLETS-PT-BL	SAM	04/03/25 14:15		Kareem	OK
33	Q1707-02	002-35TH-AVE(MAR)	SAM	04/03/25 14:19		Kareem	OK
34	Q1690-01DUP	MW112010DUP	DUP	04/03/25 14:23		Kareem	OK
35	Q1690-01L	MW112010L	SD	04/03/25 14:28		Kareem	OK
36	Q1692-01	NB-08-04012025	SAM	04/03/25 14:35		Kareem	OK
37	CCV03	CCV03	CCV	04/03/25 14:39		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM

STD. NAME	STD REF.#
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022
ICV Standard	MP85023
CCV Standard	MP85026
ICSA Standard	MP85024,MP85025
CRI Standard	MP85022
LCS Standard	
Chk Standard	MP85030,MP85031

38	CCB03	CCB03	CCB	04/03/25 14:43		Kareem	OK
39	Q1690-01MS	MW112010MS	MS	04/03/25 14:49	0.1 ML OF M6013 AND M6004	Kareem	OK
40	Q1690-01MSD	MW112010MSD	MSD	04/03/25 14:53	0.1 ML OF M6013 AND M6004	Kareem	OK
41	Q1690-01A	MW112010A	PS	04/03/25 14:57	0.1 ML OF M6013 AND M6004	Kareem	OK
42	Q1657-04	72-11998	SAM	04/03/25 15:01		Kareem	OK
43	PB167422BL	PB167422BL	MB	04/03/25 15:06		Kareem	OK
44	PB167422BS	PB167422BS	LCS	04/03/25 15:10	0.1 ML OF M6013 AND M6004	Kareem	OK
45	Q1673-01	GW-CONTROL	SAM	04/03/25 15:14		Kareem	OK
46	Q1673-02	SDC9	SAM	04/03/25 15:19		Kareem	OK
47	Q1684-01	SU-04-040125	SAM	04/03/25 15:23		Kareem	OK
48	Q1685-01	HR-02-040125	SAM	04/03/25 15:28		Kareem	OK
49	CCV04	CCV04	CCV	04/03/25 15:32		Kareem	OK
50	CCB04	CCB04	CCB	04/03/25 15:36		Kareem	OK
51	Q1685-01DUP	HR-02-040125DUP	DUP	04/03/25 15:40		Kareem	OK
52	Q1685-01L	HR-02-040125L	SD	04/03/25 15:45		Kareem	OK
53	Q1685-01A	HR-02-040125A	PS	04/03/25 15:58	0.1 ML OF M6013 AND M6004	Kareem	OK
54	Q1693-01	WCS-TP-3	SAM	04/03/25 16:02		Kareem	OK
55	Q1685-01MS	HR-02-040125MS	MS	04/03/25 16:06		Kareem	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 # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM

STD. NAME	STD REF.#
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022
ICV Standard	MP85023
CCV Standard	MP85026
ICSA Standard	MP85024,MP85025
CRI Standard	MP85022
LCS Standard	
Chk Standard	MP85030,MP85031

56	Q1685-01MSD	HR-02-040125MSD	MSD	04/03/25 16:10		Kareem	OK
57	Q1693-05	WCS-TP-2	SAM	04/03/25 16:15		Kareem	OK
58	Q1693-09	WCS-TP-1	SAM	04/03/25 16:19		Kareem	OK
59	Q1694-01	TP-18	SAM	04/03/25 16:23		Kareem	OK
60	Q1695-01	TT-2	SAM	04/03/25 16:27		Kareem	OK
61	CCV05	CCV05	CCV	04/03/25 16:36		Kareem	OK
62	CCB05	CCB05	CCB	04/03/25 16:40		Kareem	OK
63	LR1	LR1	HIGH STD	04/03/25 16:46		Kareem	OK
64	LR2	LR2	HIGH STD	04/03/25 16:51		Kareem	OK
65	Q1695-05	TT-3	SAM	04/03/25 16:55		Kareem	OK
66	PB167421BS	PB167421BS	LCS	04/03/25 17:03	0.1 ML OF M6013 AND M6004	Kareem	OK
67	PB167421BL	PB167421BL	MB	04/03/25 17:09		Kareem	OK
68	Q1689-01	Q2 WASTEWATER	SAM	04/03/25 17:13	MS/MS fail for more than 50% parameter	Kareem	Not Ok
69	Q1689-01DUP	Q2 WASTEWATERDU	DUP	04/03/25 17:18	MS/MS fail for more than 50% parameter	Kareem	Not Ok
70	Q1689-01L	Q2 WASTEWATERL	SD	04/03/25 17:22	MS/MS fail for more than 50% parameter	Kareem	Not Ok
71	Q1689-01MS	Q2 WASTEWATERMS	MS	04/03/25 17:26	MS/MS fail for more than 50% parameter	Kareem	Not Ok
72	Q1689-01MSD	Q2 WASTEWATERMS	MSD	04/03/25 17:30	MS/MS fail for more than 50% parameter	Kareem	Not Ok
73	CCV06	CCV06	CCV	04/03/25 17:48		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135289

Review By	kareem	Review On	4/4/2025 10:20:46 AM
Supervise By	mohan	Supervise On	4/4/2025 5:07:26 PM

STD. NAME	STD REF.#
ICAL Standard	MP85016,MP85017,MP85018,MP85019,MP85020,MP85022
ICV Standard	MP85023
CCV Standard	MP85026
ICSA Standard	MP85024,MP85025
CRI Standard	MP85022
LCS Standard	
Chk Standard	MP85030,MP85031

74	CCB06	CCB06	CCB	04/03/25 18:00		Kareem	OK
75	Q1689-01A	Q2 WASTEWATERA	PS	04/03/25 18:04	MS/MS fail for more than 50% parameter	Kareem	Not Ok
76	Q1703-02	COMP	SAM	04/03/25 18:08		Kareem	OK
77	Q1704-01	402	SAM	04/03/25 18:13		Kareem	OK
78	PB167442BL	PB167442BL	MB	04/03/25 18:21		Kareem	OK
79	PB167442BS	PB167442BS	LCS	04/03/25 18:25	0.1 ML OF M6013 AND M6004	Kareem	OK
80	CCV07	CCV07	CCV	04/03/25 18:29		Kareem	OK
81	CCB07	CCB07	CCB	04/03/25 18:33		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167422

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: 04/02/2025 **Time :** 09:15 **Temp :** 96 °C

End Digest Date: 04/02/2025 **Time :** 12:30 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLD.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-1	0.25	M6012
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	MP84720
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 # 1 CELL 50 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/02/25 13:30	SLD. met. dig	50 Metals Cold
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167422

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167422BL	PBW422	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167422BS	LCS422	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6012	2
Q1666-01	TW-WTS-05	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1690-01	MW112010	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1690-01MS	MW112010MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6012	6
Q1690-01MSD	MW112010MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6012	7
Q1690-01DUP	MW112010DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167425

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 04/02/2025 **Time :** 09:05 **Temp :** 93 °C

End Digest Date: 04/02/2025 **Time :** 11:05 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: MB

Temp : 1. 93°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85112
CCV	30mL	MP85114
CRA	30mL	MP85116
Blank Spike	0.48mL	MP85105
Matrix Spike	0.48mL	MP85105

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP85106
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85107
2.5 ppb	S2.5	30mL	MP85108
5.0 ppb	S5.0	30mL	MP85109
7.5 ppb	S7.5	30mL	MP85110
10.0 ppb	S10.0	30mL	MP85111
ICV	ICV	30mL	MP85112
ICB	ICB	30mL	MP85113
CCV	CCV	30mL	MP85114
CCB	CCB	30mL	MP85115
CRI	CRI	30mL	MP85116
CHK STD	CHK STD	30mL	MP85117

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/2/25 @ 11:50	MB Digest Lab	MB Bromstad Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167425

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167425BL	PBW425	30	30	<2	N/A	3-1
PB167425BS	LCS425	30	30	<2	MP85105	2
Q1666-01	TW-WTS-05	30	30	<2	N/A	3
Q1690-01	MW112010	30	30	<2	N/A	4
Q1690-01DUP	MW112010DUP	30	30	<2	N/A	5
Q1690-01MS	MW112010MS	30	30	<2	MP85105	6
Q1690-01MSD	MW112010MSD	30	30	<2	MP85105	7

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. Q1690
COC Number 2045868

9
9.1

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: GCP INC
ADDRESS: 8 CARRIAGE
CITY Shecashme STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: TCP
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GCP INC PO#:
ADDRESS: 8 CARRIAGE LANE
CITY Shecashm STATE: NJ ZIP: 07976
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 ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other NJDEP
X EDD FORMAT excel haste

ANALYSIS

1 TCLP VOA + 15 TICs
2 TCLP SVOA + 20 TICs
3. TAL METALS
4 HEXAVALENT CHROMIUM
5
6
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		HNO3							← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW11 2010	GW		X	3/31/25	13:55		X	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.	4/1/25 1200	1.
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 + 4 = 4.6 °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1690 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 4/1/2025 12:32:10 PM
Project Name : TGP
Receive DateTime : 4/1/2025 12:20:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ 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
Q1690-01	MW112010	Water	03/31/2025	13:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By : [signature]
Date / Time : 4/1/25 1245

Received By : [signature]
Date / Time : 4.1.25 1245

Storage Area : VOA Refridgerator Room