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

# DATA PACKAGE

GENERAL CHEMISTRY
METALS
VOLATILE ORGANICS

**PROJECT NAME : BUFFINGTON**

**G ENVIRONMENTAL**

**8 Carriage Ln**

**Succasunna, NJ - 07876**

**Phone No: 973-294-1771**

**ORDER ID : Q3464**

**ATTENTION : Gary Landis**

**Laboratory Certification ID # 20012**

Table Of Contents for Q3464

# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC  Client : G Environmental

Project Location : NJ  Project Number : Buffington

Laboratory Sample ID(s) : Q3464  Sampling Date(s) : 10/24/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **300.0,6010D,8260D,SM2320 B,SM5220 D,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?<br>b)Were these reporting limits met? | ☑ Yes ☐ No<br>☑ 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 :** Q3464

**Project ID :** Buffington

**Client :** G Environmental

| Lab Sample Number | Client Sample Number |
|---|---|
| Q3464-01 | MW2 |
| Q3464-02 | MW3 |

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 : APPROVED
*By Nimisha Pandya, QA/QC Supervisor at 12:15 pm, Nov 06, 2025*

Date: 11/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**G Environmental**
**Project Name: Buffington**
**Project # N/A**
**Order ID # Q3464**
**Test Name: VOCMS Group1,Metals Group4,Alkalinity,Anions Group1,COD**

**A. Number of Samples and Date of Receipt:**
2 Water samples were received on 10/24/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1,Metals Group4,Alkalinity,Anions Group1,COD. This data package contains results for VOCMS Group1(8260-Low),Metals Group4(6010D), Alkalinity (SM2320 B), Anions Group1(300.0),COD(SM5220 D).

**C. Analytical Techniques:**
VOCMS Group1 : 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 performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260-Low.

Metals Group4 : The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

Wetchem : The analysis of Anions Group1 was based on method 300.0, The analysis of Alkalinity was based on method SM2320 B and The analysis of COD was based on method SM5220 D.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.

Wetchem : Sample MW2 was diluted due to high concentrations for Sulfate & Sample MW3 was diluted due to high concentrations for Sulfate.

The Surrogate recoveries were met for all analysis.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except following Wetchem :
The Matrix Spike (MW2MS) analysis met criteria for all compounds except for Anions Group1(Sulfate) due to matrix Interference.

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The MSD recoveries met the requirements for all compounds except following Wetchem : The Matrix Spike Duplicate (MW2MSD) analysis met criteria for all compounds except for Anions Group1(Sulfate) due to Matrix interference.

The RPD recoveries met criteria.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.
The Duplicate analysis met criteria for all compounds
The Serial Dilution met the acceptable requirements.

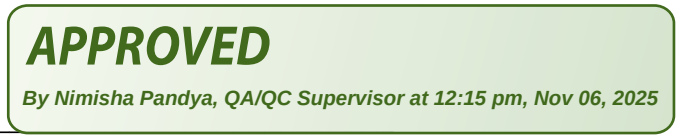
**E. Additional Comments:**
VOCMS Group1 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

**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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# 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<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"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:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(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 #:** Q3464

| | 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:** 11/06/2025

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3464

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **MW2** | | | | | | | | |
| Q3464-01 | MW2 | Water | Chloromethane | | 52.2 | | 0.32 | 1.00 | ug/L |
| Q3464-01 | MW2 | Water | Bromomethane | | 4.30 | J | 1.40 | 5.00 | ug/L |
| Q3464-01 | MW2 | Water | Acetone | | 26.1 | | 1.50 | 5.00 | ug/L |
| Q3464-01 | MW2 | Water | Carbon Disulfide | | 0.72 | J | 0.21 | 1.00 | ug/L |
| Q3464-01 | MW2 | Water | 2-Butanone | | 2.10 | J | 0.98 | 5.00 | ug/L |
| Q3464-01 | MW2 | Water | Chloroform | | 4.00 | | 0.25 | 1.00 | ug/L |
| Q3464-01 | MW2 | Water | Bromodichloromethane | | 0.55 | J | 0.22 | 1.00 | ug/L |
| | | | **Total Voc :** | | 90.0 | | | | |
| Q3464-01 | MW2 | Water | Naphthalene | * | 4.30 | J | 0.20 | 1.00 | ug/L |
| Q3464-01 | MW2 | Water | Methyl Iodide | * | 6.10 | J | 0.83 | 5.00 | ug/L |
| | | | **Total Tics :** | | 10.4 | | | | |
| | | | **Total Concentration:** | | 100 | | | | |
| **Client ID:** | **MW3** | | | | | | | | |
| Q3464-02 | MW3 | Water | Chloromethane | | 5.70 | | 0.32 | 1.00 | ug/L |
| Q3464-02 | MW3 | Water | Acetone | | 13.4 | | 1.50 | 5.00 | ug/L |
| Q3464-02 | MW3 | Water | Chloroform | | 8.50 | | 0.25 | 1.00 | ug/L |
| Q3464-02 | MW3 | Water | Bromodichloromethane | | 1.40 | | 0.22 | 1.00 | ug/L |
| | | | **Total Voc :** | | 29.0 | | | | |
| | | | **Total Concentration:** | | 29.0 | | | | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW2 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 74-87-3 | Chloromethane | 52.2 | | 1 | 0.32 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 1 | 0.26 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 74-83-9 | Bromomethane | 4.30 | J | 1 | 1.40 | 5.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-00-3 | Chloroethane | 0.47 | U | 1 | 0.47 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 1 | 0.33 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 67-64-1 | Acetone | 26.1 | | 1 | 1.50 | 5.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-15-0 | Carbon Disulfide | 0.72 | J | 1 | 0.21 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 79-20-9 | Methyl Acetate | 0.27 | U | 1 | 0.27 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-09-2 | Methylene Chloride | 0.28 | U | 1 | 0.28 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 110-82-7 | Cyclohexane | 1.50 | U | 1 | 1.50 | 5.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 78-93-3 | 2-Butanone | 2.10 | J | 1 | 0.98 | 5.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 74-97-5 | Bromochloromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 67-66-3 | Chloroform | 4.00 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 108-87-2 | Methylcyclohexane | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 71-43-2 | Benzene | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 79-01-6 | Trichloroethene | 0.090 | U | 1 | 0.090 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 74-95-3 | Dibromomethane | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-27-4 | Bromodichloromethane | 0.55 | J | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 1 | 0.68 | 5.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 108-88-3 | Toluene | 0.14 | U | 1 | 0.14 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 1 | 0.21 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 591-78-6 | 2-Hexanone | 0.89 | U | 1 | 0.89 | 5.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 108-90-7 | Chlorobenzene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 1 | 0.13 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 1 | 0.24 | 2.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 95-47-6 | o-Xylene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 100-42-5 | Styrene | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 75-25-2 | Bromoform | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW2 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 1 | 0.26 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 1 | 0.53 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:10 | VN102725 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 62.7 | | | 70 (74) - 130 (125) | 125% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 51.8 | | | 70 (75) - 130 (124) | 104% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 47.6 | | | 70 (86) - 130 (113) | 95% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 53.6 | | | 70 (77) - 130 (121) | 107% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 242000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 543000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 523000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 259000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 74-88-4 | Methyl Iodide | 6.10 | J | | | 4.60 | ug/L | | |
| 91-20-3 | Naphthalene | 4.30 | J | | | 15.6 | 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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW3 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-02 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 74-87-3 | Chloromethane | 5.70 | | 1 | 0.32 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 1 | 0.26 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 74-83-9 | Bromomethane | 1.40 | U | 1 | 1.40 | 5.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-00-3 | Chloroethane | 0.47 | U | 1 | 0.47 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 1 | 0.33 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 67-64-1 | Acetone | 13.4 | | 1 | 1.50 | 5.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 1 | 0.21 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 79-20-9 | Methyl Acetate | 0.27 | U | 1 | 0.27 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-09-2 | Methylene Chloride | 0.28 | U | 1 | 0.28 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 110-82-7 | Cyclohexane | 1.50 | U | 1 | 1.50 | 5.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 78-93-3 | 2-Butanone | 0.98 | U | 1 | 0.98 | 5.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 74-97-5 | Bromochloromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 67-66-3 | Chloroform | 8.50 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 108-87-2 | Methylcyclohexane | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 71-43-2 | Benzene | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 79-01-6 | Trichloroethene | 0.090 | U | 1 | 0.090 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 74-95-3 | Dibromomethane | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-27-4 | Bromodichloromethane | 1.40 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 1 | 0.68 | 5.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 108-88-3 | Toluene | 0.14 | U | 1 | 0.14 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 1 | 0.21 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 591-78-6 | 2-Hexanone | 0.89 | U | 1 | 0.89 | 5.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 108-90-7 | Chlorobenzene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 1 | 0.13 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 1 | 0.24 | 2.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 95-47-6 | o-Xylene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 100-42-5 | Styrene | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 75-25-2 | Bromoform | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW3 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-02 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 1 | 0.26 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 1 | 0.53 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 13:31 | VN102725 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 59.0 | | | 70 (74) - 130 (125) | 118% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 51.0 | | | 70 (75) - 130 (124) | 102% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 47.5 | | | 70 (86) - 130 (113) | 95% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 50.3 | | | 70 (77) - 130 (121) | 101% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 224000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 507000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 486000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 231000 | | | | | | | |

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.:** Q3464

**Client:** G Environmental

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q3464-01 | MW2 | 1,2-Dichloroethane-d4 | 50 | 62.7 | 125 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 51.8 | 104 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 47.6 | 95 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 53.6 | 107 | | 70 (77) | 130 (121) |
| Q3464-02 | MW3 | 1,2-Dichloroethane-d4 | 50 | 59.0 | 118 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 51.0 | 102 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 47.5 | 95 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 50.3 | 101 | | 70 (77) | 130 (121) |
| VN1027WBL01 | VN1027WBL01 | 1,2-Dichloroethane-d4 | 50 | 61.1 | 122 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 52.8 | 106 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 49.9 | 100 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 52.0 | 104 | | 70 (77) | 130 (121) |
| VN1027WBS01 | VN1027WBS01 | 1,2-Dichloroethane-d4 | 50 | 56.2 | 112 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 53.2 | 106 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 51.1 | 102 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 52.6 | 105 | | 70 (77) | 130 (121) |
| VN1027WBSD0 | VN1027WBSD01 | 1,2-Dichloroethane-d4 | 50 | 56.4 | 113 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 53.0 | 106 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 51.0 | 102 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 52.9 | 106 | | 70 (77) | 130 (121) |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3464 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VN088105.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN1027WBS01 | Dichlorodifluoromethane | 20 | 20.8 | ug/L | 104 | | | 40 (69) | 160 (116) | |
| | Chloromethane | 20 | 21.3 | ug/L | 106 | | | 40 (65) | 160 (116) | |
| | Vinyl chloride | 20 | 21.1 | ug/L | 106 | | | 70 (65) | 130 (117) | |
| | Bromomethane | 20 | 20.3 | ug/L | 102 | | | 40 (58) | 160 (125) | |
| | Chloroethane | 20 | 18.8 | ug/L | 94 | | | 40 (56) | 160 (128) | |
| | Trichlorofluoromethane | 20 | 19.7 | ug/L | 99 | | | 40 (73) | 160 (115) | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.2 | ug/L | 101 | | | 70 (80) | 130 (112) | |
| | 1,1-Dichloroethene | 20 | 19.1 | ug/L | 96 | | | 70 (74) | 130 (110) | |
| | Acetone | 100 | 100 | ug/L | 100 | | | 40 (60) | 160 (125) | |
| | Carbon disulfide | 20 | 19.9 | ug/L | 100 | | | 40 (64) | 160 (112) | |
| | Methyl tert-butyl Ether | 20 | 21.8 | ug/L | 109 | | | 70 (78) | 130 (114) | |
| | Methyl Acetate | 20 | 22.6 | ug/L | 113 | | | 70 (67) | 130 (125) | |
| | Methylene Chloride | 20 | 23.6 | ug/L | 118 | | | 70 (72) | 130 (114) | |
| | trans-1,2-Dichloroethene | 20 | 20.2 | ug/L | 101 | | | 70 (75) | 130 (108) | |
| | 1,1-Dichloroethane | 20 | 22.2 | ug/L | 111 | | | 70 (78) | 130 (112) | |
| | Cyclohexane | 20 | 21.0 | ug/L | 105 | | | 70 (75) | 130 (110) | |
| | 2-Butanone | 100 | 110 | ug/L | 110 | | | 40 (65) | 160 (122) | |
| | Carbon Tetrachloride | 20 | 22.2 | ug/L | 111 | | | 70 (77) | 130 (113) | |
| | cis-1,2-Dichloroethene | 20 | 21.2 | ug/L | 106 | | | 70 (77) | 130 (110) | |
| | Bromochloromethane | 20 | 25.0 | ug/L | 125 | | | 70 (70) | 130 (124) | |
| | Chloroform | 20 | 22.7 | ug/L | 114 | | | 70 (79) | 130 (113) | |
| | 1,1,1-Trichloroethane | 20 | 21.8 | ug/L | 109 | | | 70 (80) | 130 (108) | |
| | Methylcyclohexane | 20 | 19.8 | ug/L | 99 | | | 70 (72) | 130 (115) | |
| | Benzene | 20 | 21.8 | ug/L | 109 | | | 70 (82) | 130 (109) | |
| | 1,2-Dichloroethane | 20 | 24.4 | ug/L | 122 | | | 70 (80) | 130 (115) | |
| | Trichloroethene | 20 | 21.1 | ug/L | 106 | | | 70 (77) | 130 (113) | |
| | 1,2-Dichloropropane | 20 | 21.9 | ug/L | 110 | | | 70 (83) | 130 (111) | |
| | Dibromomethane | 20 | 22.3 | ug/L | 112 | | | 70 (82) | 130 (110) | |
| | Bromodichloromethane | 20 | 22.8 | ug/L | 114 | | | 70 (83) | 130 (110) | |
| | 4-Methyl-2-Pentanone | 100 | 120 | ug/L | 120 | | | 40 (74) | 160 (118) | |
| | Toluene | 20 | 21.5 | ug/L | 108 | | | 70 (82) | 130 (110) | |
| | t-1,3-Dichloropropene | 20 | 21.9 | ug/L | 110 | | | 70 (79) | 130 (110) | |
| | cis-1,3-Dichloropropene | 20 | 22.3 | ug/L | 112 | | | 70 (82) | 130 (110) | |
| | 1,1,2-Trichloroethane | 20 | 22.1 | ug/L | 111 | | | 70 (83) | 130 (112) | |
| | 2-Hexanone | 100 | 110 | ug/L | 110 | | | 40 (73) | 160 (117) | |
| | 1,2-Dibromoethane | 20 | 22.1 | ug/L | 111 | | | 70 (81) | 130 (110) | |
| | Tetrachloroethene | 20 | 20.9 | ug/L | 104 | | | 70 (67) | 130 (123) | |
| | Chlorobenzene | 20 | 21.3 | ug/L | 106 | | | 70 (82) | 130 (109) | |
| | Ethyl Benzene | 20 | 20.9 | ug/L | 104 | | | 70 (83) | 130 (109) | |
| | m/p-Xylenes | 40 | 42.1 | ug/L | 105 | | | 70 (82) | 130 (110) | |
| | o-Xylene | 20 | 21.2 | ug/L | 106 | | | 70 (83) | 130 (109) | |
| | Styrene | 20 | 21.9 | ug/L | 110 | | | 70 (80) | 130 (111) | |
| | Bromoform | 20 | 21.8 | ug/L | 109 | | | 70 (79) | 130 (109) | |
| | Isopropylbenzene | 20 | 20.1 | ug/L | 101 | | | 70 (83) | 130 (112) | |
| | 1,1,2,2-Tetrachloroethane | 20 | 21.5 | ug/L | 108 | | | 70 (76) | 130 (118) | |
| | 1,3-Dichlorobenzene | 20 | 20.8 | ug/L | 104 | | | 70 (82) | 130 (108) | |
| | 1,4-Dichlorobenzene | 20 | 20.1 | ug/L | 101 | | | 70 (82) | 130 (107) | |
| | 1,2-Dichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 70 (82) | 130 (109) | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3464 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VN088105.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN1027WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 21.0 | ug/L | 105 | | | 40 (68) | 160 (112) | |
| | 1,2,4-Trichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 70 (75) | 130 (113) | |
| | 1,2,3-Trichlorobenzene | 20 | 20.5 | ug/L | 103 | | | 70 (76) | 130 (114) | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3464 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VN088106.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN1027WBSD01 | Dichlorodifluoromethane | 20 | 21.5 | ug/L | 108 | 4 | | 40 (69) | 160 (116) | 20 (19) |
| | Chloromethane | 20 | 21.1 | ug/L | 106 | 0 | | 40 (65) | 160 (116) | 20 (21) |
| | Vinyl chloride | 20 | 20.9 | ug/L | 104 | 2 | | 70 (65) | 130 (117) | 20 (19) |
| | Bromomethane | 20 | 20.2 | ug/L | 101 | 1 | | 40 (58) | 160 (125) | 20 (20) |
| | Chloroethane | 20 | 18.9 | ug/L | 95 | 1 | | 40 (56) | 160 (128) | 20 (20) |
| | Trichlorofluoromethane | 20 | 19.6 | ug/L | 98 | 1 | | 40 (73) | 160 (115) | 20 (16) |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.2 | ug/L | 101 | 0 | | 70 (80) | 130 (112) | 20 (15) |
| | 1,1-Dichloroethene | 20 | 18.9 | ug/L | 95 | 1 | | 70 (74) | 130 (110) | 20 (20) |
| | Acetone | 100 | 100 | ug/L | 100 | 0 | | 40 (60) | 160 (125) | 20 (20) |
| | Carbon disulfide | 20 | 19.9 | ug/L | 100 | 0 | | 40 (64) | 160 (112) | 20 (20) |
| | Methyl tert-butyl Ether | 20 | 21.8 | ug/L | 109 | 0 | | 70 (78) | 130 (114) | 20 (20) |
| | Methyl Acetate | 20 | 23.1 | ug/L | 116 | 3 | | 70 (67) | 130 (125) | 20 (20) |
| | Methylene Chloride | 20 | 23.4 | ug/L | 117 | 1 | | 70 (72) | 130 (114) | 20 (20) |
| | trans-1,2-Dichloroethene | 20 | 19.4 | ug/L | 97 | 4 | | 70 (75) | 130 (108) | 20 (16) |
| | 1,1-Dichloroethane | 20 | 22.1 | ug/L | 111 | 0 | | 70 (78) | 130 (112) | 20 (20) |
| | Cyclohexane | 20 | 21.3 | ug/L | 106 | 1 | | 70 (75) | 130 (110) | 20 (20) |
| | 2-Butanone | 100 | 110 | ug/L | 110 | 0 | | 40 (65) | 160 (122) | 20 (26) |
| | Carbon Tetrachloride | 20 | 21.7 | ug/L | 109 | 2 | | 70 (77) | 130 (113) | 20 (15) |
| | cis-1,2-Dichloroethene | 20 | 20.8 | ug/L | 104 | 2 | | 70 (77) | 130 (110) | 20 (20) |
| | Bromochloromethane | 20 | 25.2 | ug/L | 126 | 1 | | 70 (70) | 130 (124) | 20 (20) |
| | Chloroform | 20 | 21.9 | ug/L | 110 | 4 | | 70 (79) | 130 (113) | 20 (20) |
| | 1,1,1-Trichloroethane | 20 | 21.6 | ug/L | 108 | 1 | | 70 (80) | 130 (108) | 20 (20) |
| | Methylcyclohexane | 20 | 20.5 | ug/L | 103 | 4 | | 70 (72) | 130 (115) | 20 (20) |
| | Benzene | 20 | 21.8 | ug/L | 109 | 0 | | 70 (82) | 130 (109) | 20 (15) |
| | 1,2-Dichloroethane | 20 | 24.5 | ug/L | 123 | 1 | | 70 (80) | 130 (115) | 20 (20) |
| | Trichloroethene | 20 | 21.3 | ug/L | 106 | 0 | | 70 (77) | 130 (113) | 20 (15) |
| | 1,2-Dichloropropane | 20 | 22.8 | ug/L | 114 | 4 | | 70 (83) | 130 (111) | 20 (16) |
| | Dibromomethane | 20 | 23.9 | ug/L | 119 | 6 | | 70 (82) | 130 (110) | 20 (20) |
| | Bromodichloromethane | 20 | 23.2 | ug/L | 116 | 2 | | 70 (83) | 130 (110) | 20 (16) |
| | 4-Methyl-2-Pentanone | 100 | 120 | ug/L | 120 | 0 | | 40 (74) | 160 (118) | 20 (25) |
| | Toluene | 20 | 21.6 | ug/L | 108 | 0 | | 70 (82) | 130 (110) | 20 (16) |
| | t-1,3-Dichloropropene | 20 | 22.6 | ug/L | 113 | 3 | | 70 (79) | 130 (110) | 20 (20) |
| | cis-1,3-Dichloropropene | 20 | 22.4 | ug/L | 112 | 0 | | 70 (82) | 130 (110) | 20 (16) |
| | 1,1,2-Trichloroethane | 20 | 22.2 | ug/L | 111 | 0 | | 70 (83) | 130 (112) | 20 (20) |
| | 2-Hexanone | 100 | 120 | ug/L | 120 | 9 | | 40 (73) | 160 (117) | 20 (25) |
| | 1,2-Dibromoethane | 20 | 22.7 | ug/L | 114 | 3 | | 70 (81) | 130 (110) | 20 (20) |
| | Tetrachloroethene | 20 | 21.4 | ug/L | 107 | 3 | | 70 (67) | 130 (123) | 20 (15) |
| | Chlorobenzene | 20 | 21.2 | ug/L | 106 | 0 | | 70 (82) | 130 (109) | 20 (15) |
| | Ethyl Benzene | 20 | 21.4 | ug/L | 107 | 3 | | 70 (83) | 130 (109) | 20 (16) |
| | m/p-Xylenes | 40 | 42.3 | ug/L | 106 | 1 | | 70 (82) | 130 (110) | 20 (15) |
| | o-Xylene | 20 | 21.4 | ug/L | 107 | 1 | | 70 (83) | 130 (109) | 20 (20) |
| | Styrene | 20 | 22.1 | ug/L | 111 | 1 | | 70 (80) | 130 (111) | 20 (17) |
| | Bromoform | 20 | 22.7 | ug/L | 114 | 4 | | 70 (79) | 130 (109) | 20 (20) |
| | Isopropylbenzene | 20 | 20.6 | ug/L | 103 | 2 | | 70 (83) | 130 (112) | 20 (29) |
| | 1,1,2,2-Tetrachloroethane | 20 | 22.4 | ug/L | 112 | 4 | | 70 (76) | 130 (118) | 20 (20) |
| | 1,3-Dichlorobenzene | 20 | 21.5 | ug/L | 108 | 4 | | 70 (82) | 130 (108) | 20 (20) |
| | 1,4-Dichlorobenzene | 20 | 20.8 | ug/L | 104 | 3 | | 70 (82) | 130 (107) | 20 (15) |
| | 1,2-Dichlorobenzene | 20 | 21.7 | ug/L | 109 | 5 | | 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.:** Q3464 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VN088106.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN1027WBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 23.7 | ug/L | 119 | 13 | | 40 (68) | 160 (112) | 20 (20) |
| | 1,2,4-Trichlorobenzene | 20 | 21.6 | ug/L | 108 | 4 | | 70 (75) | 130 (113) | 20 (29) |
| | 1,2,3-Trichlorobenzene | 20 | 21.4 | ug/L | 107 | 4 | | 70 (76) | 130 (114) | 20 (29) |

( ) = LABORATORY INHOUSE LIMIT

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VN1027WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3464

Lab File ID: VN088104.D | Lab Sample ID: VN1027WBL01

Date Analyzed: 10/27/2025 | Time Analyzed: 11:34

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 |
|---|---|---|---|
| VN1027WBS01 | VN1027WBS01 | VN088105.D | 10/27/2025 |
| VN1027WBSD01 | VN1027WBSD01 | VN088106.D | 10/27/2025 |
| MW2 | Q3464-01 | VN088108.D | 10/27/2025 |
| MW3 | Q3464-02 | VN088109.D | 10/27/2025 |

COMMENTS:

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3464
Lab File ID: VN088077.D
BFB Injection Date: 10/23/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:09
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 | 21.7 |
| 75 | 30.0 - 60.0% of mass 95 | 56 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 64.7 |
| 175 | 5.0 - 9.0% of mass 174 | 5.8 ( 8.9 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 62.6 ( 96.8 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 7.2 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VN088078.D | 10/23/2025 | 09:42 |
| VSTDICC005 | VSTDICC005 | VN088079.D | 10/23/2025 | 10:38 |
| VSTDICC020 | VSTDICC020 | VN088080.D | 10/23/2025 | 10:59 |
| VSTDICCC050 | VSTDICCC050 | VN088081.D | 10/23/2025 | 11:20 |
| VSTDICC100 | VSTDICC100 | VN088082.D | 10/23/2025 | 11:41 |
| VSTDICC150 | VSTDICC150 | VN088083.D | 10/23/2025 | 12:02 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3464
Lab File ID: VN088101.D
BFB Injection Date: 10/27/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:58
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 | 23.7 |
| 75 | 30.0 - 60.0% of mass 95 | 57.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 68.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.1 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 65.3 ( 95.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.2 ( 6.5 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VN088102.D | 10/27/2025 | 10:40 |
| VN1027WBL01 | VN1027WBL01 | VN088104.D | 10/27/2025 | 11:34 |
| VN1027WBS01 | VN1027WBS01 | VN088105.D | 10/27/2025 | 11:55 |
| VN1027WBSD01 | VN1027WBSD01 | VN088106.D | 10/27/2025 | 12:29 |
| MW2 | Q3464-01 | VN088108.D | 10/27/2025 | 13:10 |
| MW3 | Q3464-02 | VN088109.D | 10/27/2025 | 13:31 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3464

Lab File ID: VN088102.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_N Time Analyzed: 10:40

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 | 321965 | 8.21 | 587119 | 9.08 | 522069 | 11.84 |
| UPPER LIMIT | 643930 | 8.706 | 1174240 | 9.582 | 1044140 | 12.341 |
| LOWER LIMIT | 160983 | 7.706 | 293560 | 8.582 | 261035 | 11.341 |
| EPA SAMPLE NO. | | | | | | |
| MW2 | 242209 | 8.21 | 543451 | 9.08 | 522532 | 11.84 |
| MW3 | 223573 | 8.21 | 506770 | 9.08 | 486491 | 11.84 |
| VN1027WBL01 | 198801 | 8.21 | 446179 | 9.08 | 422679 | 11.84 |
| VN1027WBS01 | 300941 | 8.21 | 563874 | 9.08 | 505093 | 11.85 |
| VN1027WBSD01 | 293635 | 8.21 | 537984 | 9.08 | 482887 | 11.85 |

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: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3464

Lab File ID: VN088102.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_N Time Analyzed: 10:40

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 267876 | 13.77 | | | | |
| UPPER LIMIT | 535752 | 14.27 | | | | |
| LOWER LIMIT | 133938 | 13.27 | | | | |
| EPA SAMPLE NO. | | | | | | |
| MW2 | 258786 | 13.77 | | | | |
| MW3 | 231113 | 13.77 | | | | |
| VN1027WBL01 | 199580 | 13.77 | | | | |
| VN1027WBS01 | 256562 | 13.77 | | | | |
| VN1027WBSD01 | 241641 | 13.77 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

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

# QC SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Buffington | Date Received: | |
| Client Sample ID: | VN1027WBL01 | SDG No.: | Q3464 |
| Lab Sample ID: | VN1027WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 74-87-3 | Chloromethane | 0.32 | U | 1 | 0.32 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 1 | 0.26 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 74-83-9 | Bromomethane | 1.40 | U | 1 | 1.40 | 5.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-00-3 | Chloroethane | 0.47 | U | 1 | 0.47 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 1 | 0.33 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 67-64-1 | Acetone | 1.50 | U | 1 | 1.50 | 5.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 1 | 0.21 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 79-20-9 | Methyl Acetate | 0.27 | U | 1 | 0.27 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-09-2 | Methylene Chloride | 0.28 | U | 1 | 0.28 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 110-82-7 | Cyclohexane | 1.50 | U | 1 | 1.50 | 5.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 78-93-3 | 2-Butanone | 0.98 | U | 1 | 0.98 | 5.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 74-97-5 | Bromochloromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 67-66-3 | Chloroform | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 108-87-2 | Methylcyclohexane | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 71-43-2 | Benzene | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 79-01-6 | Trichloroethene | 0.090 | U | 1 | 0.090 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 74-95-3 | Dibromomethane | 0.25 | U | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 1 | 0.68 | 5.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 108-88-3 | Toluene | 0.14 | U | 1 | 0.14 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 1 | 0.21 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 591-78-6 | 2-Hexanone | 0.89 | U | 1 | 0.89 | 5.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 108-90-7 | Chlorobenzene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 1 | 0.13 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 1 | 0.24 | 2.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 95-47-6 | o-Xylene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 100-42-5 | Styrene | 0.15 | U | 1 | 0.15 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 75-25-2 | Bromoform | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Buffington | Date Received: | |
| Client Sample ID: | VN1027WBL01 | SDG No.: | Q3464 |
| Lab Sample ID: | VN1027WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.12 | U | 1 | 0.12 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 1 | 0.26 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 1 | 0.19 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 1 | 0.53 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:34 | VN102725 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 61.1 | | | 70 (74) - 130 (125) | 122% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 52.8 | | | 70 (75) - 130 (124) | 106% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 49.9 | | | 70 (86) - 130 (113) | 100% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 51.9 | | | 70 (77) - 130 (121) | 104% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 199000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 446000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 423000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 200000 | | | | | | | |

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: | Buffington | | | Date Received: | |
| Client Sample ID: | VN1027WBS01 | | | SDG No.: | Q3464 |
| Lab Sample ID: | VN1027WBS01 | | | Matrix: | Water |
| Analytical Method: | 8260D | Level : | LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: | 5000 uL | Test: | VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.8 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 74-87-3 | Chloromethane | 21.3 | | 1 | 0.32 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-01-4 | Vinyl Chloride | 21.1 | | 1 | 0.26 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 74-83-9 | Bromomethane | 20.3 | | 1 | 1.40 | 5.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-00-3 | Chloroethane | 18.8 | | 1 | 0.47 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-69-4 | Trichlorofluoromethane | 19.7 | | 1 | 0.33 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.2 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-35-4 | 1,1-Dichloroethene | 19.1 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 67-64-1 | Acetone | 100 | | 1 | 1.50 | 5.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-15-0 | Carbon Disulfide | 19.9 | | 1 | 0.21 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 1634-04-4 | Methyl tert-butyl Ether | 21.8 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 79-20-9 | Methyl Acetate | 22.6 | | 1 | 0.27 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-09-2 | Methylene Chloride | 23.6 | | 1 | 0.28 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 156-60-5 | trans-1,2-Dichloroethene | 20.2 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-34-3 | 1,1-Dichloroethane | 22.2 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 110-82-7 | Cyclohexane | 21.0 | | 1 | 1.50 | 5.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 78-93-3 | 2-Butanone | 110 | | 1 | 0.98 | 5.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 56-23-5 | Carbon Tetrachloride | 22.2 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 156-59-2 | cis-1,2-Dichloroethene | 21.2 | | 1 | 0.19 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 74-97-5 | Bromochloromethane | 25.0 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 67-66-3 | Chloroform | 22.7 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 71-55-6 | 1,1,1-Trichloroethane | 21.8 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 108-87-2 | Methylcyclohexane | 19.8 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 71-43-2 | Benzene | 21.8 | | 1 | 0.15 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 107-06-2 | 1,2-Dichloroethane | 24.4 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 79-01-6 | Trichloroethene | 21.1 | | 1 | 0.090 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 78-87-5 | 1,2-Dichloropropane | 21.9 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 74-95-3 | Dibromomethane | 22.3 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-27-4 | Bromodichloromethane | 22.8 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 108-10-1 | 4-Methyl-2-Pentanone | 120 | | 1 | 0.68 | 5.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 108-88-3 | Toluene | 21.5 | | 1 | 0.14 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 10061-02-6 | t-1,3-Dichloropropene | 21.9 | | 1 | 0.17 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 10061-01-5 | cis-1,3-Dichloropropene | 22.3 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 79-00-5 | 1,1,2-Trichloroethane | 22.1 | | 1 | 0.21 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 591-78-6 | 2-Hexanone | 110 | | 1 | 0.89 | 5.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 106-93-4 | 1,2-Dibromoethane | 22.1 | | 1 | 0.15 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 127-18-4 | Tetrachloroethene | 20.9 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 108-90-7 | Chlorobenzene | 21.3 | | 1 | 0.12 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 100-41-4 | Ethyl Benzene | 20.9 | | 1 | 0.13 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 179601-23-1 | m/p-Xylenes | 42.1 | | 1 | 0.24 | 2.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 95-47-6 | o-Xylene | 21.2 | | 1 | 0.12 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 100-42-5 | Styrene | 21.9 | | 1 | 0.15 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 75-25-2 | Bromoform | 21.8 | | 1 | 0.19 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Buffington | Date Received: | |
| Client Sample ID: | VN1027WBS01 | SDG No.: | Q3464 |
| Lab Sample ID: | VN1027WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 20.1 | | 1 | 0.12 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 21.5 | | 1 | 0.26 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 541-73-1 | 1,3-Dichlorobenzene | 20.8 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 106-46-7 | 1,4-Dichlorobenzene | 20.1 | | 1 | 0.19 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 95-50-1 | 1,2-Dichlorobenzene | 20.7 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 21.0 | | 1 | 0.53 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.7 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.5 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 11:55 | VN102725 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.2 | | | 70 (74) - 130 (125) | 112% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 53.2 | | | 70 (75) - 130 (124) | 106% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.1 | | | 70 (86) - 130 (113) | 102% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 52.6 | | | 70 (77) - 130 (121) | 105% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 301000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 564000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 505000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 257000 | | | | | | | |

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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Fax : 908 789 8922



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Buffington | | | Date Received: | |
| Client Sample ID: | VN1027WBSD01 | | | SDG No.: | Q3464 |
| Lab Sample ID: | VN1027WBSD01 | | | Matrix: | Water |
| Analytical Method: | 8260D | Level : | LOW | % Solid: | 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: | 5000 uL | Test: | VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 21.5 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 74-87-3 | Chloromethane | 21.1 | | 1 | 0.32 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-01-4 | Vinyl Chloride | 20.9 | | 1 | 0.26 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 74-83-9 | Bromomethane | 20.2 | | 1 | 1.40 | 5.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-00-3 | Chloroethane | 18.9 | | 1 | 0.47 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-69-4 | Trichlorofluoromethane | 19.6 | | 1 | 0.33 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.2 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-35-4 | 1,1-Dichloroethene | 18.9 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 67-64-1 | Acetone | 100 | | 1 | 1.50 | 5.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-15-0 | Carbon Disulfide | 19.9 | | 1 | 0.21 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 1634-04-4 | Methyl tert-butyl Ether | 21.8 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 79-20-9 | Methyl Acetate | 23.1 | | 1 | 0.27 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-09-2 | Methylene Chloride | 23.4 | | 1 | 0.28 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.4 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-34-3 | 1,1-Dichloroethane | 22.1 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 110-82-7 | Cyclohexane | 21.3 | | 1 | 1.50 | 5.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 78-93-3 | 2-Butanone | 110 | | 1 | 0.98 | 5.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 56-23-5 | Carbon Tetrachloride | 21.7 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 156-59-2 | cis-1,2-Dichloroethene | 20.8 | | 1 | 0.19 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 74-97-5 | Bromochloromethane | 25.2 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 67-66-3 | Chloroform | 21.9 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 71-55-6 | 1,1,1-Trichloroethane | 21.6 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 108-87-2 | Methylcyclohexane | 20.5 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 71-43-2 | Benzene | 21.8 | | 1 | 0.15 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 107-06-2 | 1,2-Dichloroethane | 24.5 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 79-01-6 | Trichloroethene | 21.3 | | 1 | 0.090 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 78-87-5 | 1,2-Dichloropropane | 22.8 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 74-95-3 | Dibromomethane | 23.9 | | 1 | 0.25 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-27-4 | Bromodichloromethane | 23.2 | | 1 | 0.22 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 108-10-1 | 4-Methyl-2-Pentanone | 120 | | 1 | 0.68 | 5.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 108-88-3 | Toluene | 21.6 | | 1 | 0.14 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 10061-02-6 | t-1,3-Dichloropropene | 22.6 | | 1 | 0.17 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 10061-01-5 | cis-1,3-Dichloropropene | 22.4 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 79-00-5 | 1,1,2-Trichloroethane | 22.2 | | 1 | 0.21 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 591-78-6 | 2-Hexanone | 120 | | 1 | 0.89 | 5.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 106-93-4 | 1,2-Dibromoethane | 22.7 | | 1 | 0.15 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 127-18-4 | Tetrachloroethene | 21.4 | | 1 | 0.23 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 108-90-7 | Chlorobenzene | 21.2 | | 1 | 0.12 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 100-41-4 | Ethyl Benzene | 21.4 | | 1 | 0.13 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 179601-23-1 | m/p-Xylenes | 42.3 | | 1 | 0.24 | 2.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 95-47-6 | o-Xylene | 21.4 | | 1 | 0.12 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 100-42-5 | Styrene | 22.1 | | 1 | 0.15 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 75-25-2 | Bromoform | 22.7 | | 1 | 0.19 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Buffington | Date Received: | |
| Client Sample ID: | VN1027WBSD01 | SDG No.: | Q3464 |
| Lab Sample ID: | VN1027WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | Level : LOW | % Solid: 0 |
| Sample Wt/Vol: | 5 mL | Final Vol: 5000 uL | Test: VOCMS Group1 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 20.6 | | 1 | 0.12 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 22.4 | | 1 | 0.26 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 541-73-1 | 1,3-Dichlorobenzene | 21.5 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 106-46-7 | 1,4-Dichlorobenzene | 20.8 | | 1 | 0.19 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 95-50-1 | 1,2-Dichlorobenzene | 21.7 | | 1 | 0.16 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 23.7 | | 1 | 0.53 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 21.6 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 21.4 | | 1 | 0.20 | 1.00 | ug/L | 10/27/25 12:29 | VN102725 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.4 | | | 70 (74) - 130 (125) | 113% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 53.0 | | | 70 (75) - 130 (124) | 106% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.0 | | | 70 (86) - 130 (113) | 102% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 52.9 | | | 70 (77) - 130 (121) | 106% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 294000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 538000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 483000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 242000 | | | | | | | |

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,
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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3464

Instrument ID: MSVOA_N Calibration Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:02

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

LAB FILE ID: RRF001 = VN088078.D RRF005 = VN088079.D RRF020 = VN088080.D
RRF050 = VN088081.D RRF100 = VN088082.D RRF150 = VN088083.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.606 | 0.645 | 0.594 | 0.458 | 0.493 | 0.588 | 0.564 | 12.8 |
| Chloromethane | 0.782 | 0.707 | 0.725 | 0.519 | 0.579 | 0.669 | 0.664 | 14.7 |
| Vinyl Chloride | 0.801 | 0.784 | 0.787 | 0.581 | 0.639 | 0.746 | 0.723 | 12.6 |
| Bromomethane | | 0.527 | 0.485 | 0.341 | 0.389 | 0.420 | 0.432 | 17.2 |
| Chloroethane | 0.598 | 0.601 | 0.558 | 0.413 | 0.447 | 0.509 | 0.521 | 15.2 |
| Trichlorofluoromethane | 1.199 | 1.317 | 1.246 | 0.955 | 1.031 | 1.171 | 1.153 | 11.8 |
| 1,1,2-Trichlorotrifluoroethane | 0.637 | 0.632 | 0.612 | 0.476 | 0.561 | 0.653 | 0.595 | 11.2 |
| 1,1-Dichloroethene | 0.806 | 0.686 | 0.631 | 0.462 | 0.547 | 0.637 | 0.628 | 18.7 |
| Acetone | 0.563 | 0.441 | 0.440 | 0.319 | 0.411 | 0.431 | 0.434 | 17.9 |
| Carbon Disulfide | 2.143 | 2.041 | 1.984 | 1.483 | 1.917 | 1.895 | 1.910 | 11.9 |
| Methyl tert-butyl Ether | 2.356 | 2.498 | 2.493 | 1.790 | 2.370 | 2.342 | 2.308 | 11.4 |
| Methyl Acetate | 0.982 | 0.910 | 0.980 | 0.688 | 0.896 | 0.880 | 0.889 | 12.1 |
| Methylene Chloride | 0.894 | 0.774 | 0.775 | 0.540 | 0.708 | 0.684 | 0.729 | 16.2 |
| trans-1,2-Dichloroethene | 0.820 | 0.716 | 0.715 | 0.536 | 0.673 | 0.678 | 0.690 | 13.3 |
| 1,1-Dichloroethane | 1.371 | 1.432 | 1.418 | 1.026 | 1.142 | 1.312 | 1.283 | 12.8 |
| Cyclohexane | | 1.488 | 1.301 | 0.965 | 1.055 | 1.243 | 1.210 | 17.1 |
| 2-Butanone | 0.615 | 0.616 | 0.639 | 0.465 | 0.516 | 0.584 | 0.572 | 11.8 |
| Carbon Tetrachloride | 0.544 | 0.525 | 0.538 | 0.417 | 0.470 | 0.546 | 0.507 | 10.3 |
| cis-1,2-Dichloroethene | 0.884 | 0.892 | 0.868 | 0.626 | 0.694 | 0.800 | 0.794 | 13.9 |
| Bromochloromethane | 0.608 | 0.669 | 0.549 | 0.589 | 0.596 | 0.627 | 0.606 | 6.6 |
| Chloroform | 1.334 | 1.433 | 1.405 | 1.040 | 1.162 | 1.318 | 1.282 | 11.8 |
| 1,1,1-Trichloroethane | 1.293 | 1.230 | 1.241 | 0.912 | 1.014 | 1.160 | 1.142 | 13 |
| Methylcyclohexane | 0.701 | 0.649 | 0.634 | 0.524 | 0.578 | 0.698 | 0.630 | 11 |
| Benzene | 1.621 | 1.577 | 1.609 | 1.216 | 1.372 | 1.566 | 1.494 | 10.9 |
| 1,2-Dichloroethane | 0.552 | 0.572 | 0.590 | 0.436 | 0.480 | 0.554 | 0.531 | 11.2 |
| Trichloroethene | 0.375 | 0.374 | 0.374 | 0.284 | 0.318 | 0.369 | 0.349 | 11.1 |
| 1,2-Dichloropropane | 0.420 | 0.408 | 0.397 | 0.306 | 0.340 | 0.391 | 0.377 | 11.7 |
| Dibromomethane | 0.275 | 0.298 | 0.295 | 0.218 | 0.246 | 0.281 | 0.269 | 11.5 |
| Bromodichloromethane | 0.561 | 0.570 | 0.589 | 0.439 | 0.499 | 0.573 | 0.538 | 10.8 |
| 4-Methyl-2-Pentanone | 0.548 | 0.600 | 0.647 | 0.485 | 0.552 | 0.620 | 0.575 | 10.2 |

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

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



# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3464

Instrument ID: MSVOA_N | Calibration Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:42 12:02

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

LAB FILE ID: RRF001 = VN088078.D RRF005 = VN088079.D RRF020 = VN088080.D
RRF050 = VN088081.D RRF100 = VN088082.D RRF150 = VN088083.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Toluene | 0.971 | 0.958 | 0.991 | 0.755 | 0.862 | 0.989 | 0.921 | 10.2 |
| t-1,3-Dichloropropene | 0.554 | 0.576 | 0.618 | 0.479 | 0.559 | 0.652 | 0.573 | 10.4 |
| cis-1,3-Dichloropropene | 0.615 | 0.622 | 0.652 | 0.501 | 0.587 | 0.671 | 0.608 | 9.9 |
| 1,1,2-Trichloroethane | 0.421 | 0.348 | 0.374 | 0.281 | 0.317 | 0.355 | 0.349 | 13.7 |
| 2-Hexanone | 0.369 | 0.332 | 0.418 | 0.333 | 0.392 | 0.447 | 0.382 | 12.1 |
| 1,2-Dibromoethane | 0.403 | 0.356 | 0.384 | 0.289 | 0.339 | 0.388 | 0.360 | 11.6 |
| Tetrachloroethene | 0.400 | 0.344 | 0.335 | 0.258 | 0.298 | 0.344 | 0.330 | 14.6 |
| Chlorobenzene | 1.197 | 1.208 | 1.205 | 0.941 | 1.053 | 1.208 | 1.135 | 9.9 |
| Ethyl Benzene | 2.069 | 2.066 | 2.123 | 1.649 | 1.873 | 2.177 | 1.993 | 9.9 |
| m/p-Xylenes | 0.733 | 0.774 | 0.804 | 0.635 | 0.708 | 0.827 | 0.747 | 9.4 |
| o-Xylene | 0.670 | 0.742 | 0.764 | 0.604 | 0.684 | 0.784 | 0.708 | 9.6 |
| Styrene | 0.946 | 1.204 | 1.276 | 1.011 | 1.165 | 1.325 | 1.154 | 12.9 |
| Bromoform | 0.268 | 0.274 | 0.294 | 0.233 | 0.276 | 0.320 | 0.278 | 10.4 |
| Isopropylbenzene | 4.189 | 3.857 | 4.067 | 3.173 | 3.580 | 4.272 | 3.856 | 10.8 |
| 1,1,2,2-Tetrachloroethane | 1.304 | 1.258 | 1.336 | 0.957 | 1.080 | 1.270 | 1.201 | 12.4 |
| 1,3-Dichlorobenzene | 1.777 | 1.673 | 1.822 | 1.380 | 1.535 | 1.773 | 1.660 | 10.3 |
| 1,4-Dichlorobenzene | 2.065 | 1.953 | 1.863 | 1.399 | 1.582 | 1.836 | 1.783 | 13.9 |
| 1,2-Dichlorobenzene | 1.768 | 1.652 | 1.678 | 1.291 | 1.469 | 1.744 | 1.600 | 11.5 |
| 1,2-Dibromo-3-Chloropropane | 0.325 | 0.289 | 0.301 | 0.214 | 0.243 | 0.305 | 0.279 | 15.1 |
| 1,2,4-Trichlorobenzene | 1.058 | 0.976 | 0.989 | 0.785 | 0.902 | 1.105 | 0.969 | 11.8 |
| 1,2,3-Trichlorobenzene | 1.098 | 0.894 | 0.937 | 0.736 | 0.848 | 1.062 | 0.929 | 14.5 |
| 1,2-Dichloroethane-d4 | | 0.914 | 0.915 | 0.799 | 0.822 | 0.872 | 0.865 | 6.1 |
| Dibromofluoromethane | | 0.343 | 0.344 | 0.315 | 0.327 | 0.350 | 0.336 | 4.3 |
| Toluene-d8 | | 1.283 | 1.298 | 1.224 | 1.283 | 1.384 | 1.294 | 4.4 |
| 4-Bromofluorobenzene | | 0.435 | 0.457 | 0.439 | 0.466 | 0.488 | 0.457 | 4.8 |

* 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: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3464
Instrument ID: MSVOA_N
Calibration Date/Time: 10/27/2025 10:40
Lab File ID: VN088102.D
Init. Calib. Date(s): 10/23/2025 10/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:42 12:02
GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.564 | 0.598 | | 6.03 | 20 |
| Chloromethane | 0.664 | 0.684 | 0.1 | 3.01 | 20 |
| Vinyl Chloride | 0.723 | 0.746 | | 3.18 | 20 |
| Bromomethane | 0.432 | 0.392 | | -9.26 | 20 |
| Chloroethane | 0.521 | 0.478 | | -8.25 | 20 |
| Trichlorofluoromethane | 1.153 | 1.130 | | -2 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.595 | 0.596 | | 0.17 | 20 |
| 1,1-Dichloroethene | 0.628 | 0.586 | | -6.69 | 20 |
| Acetone | 0.434 | 0.430 | | -0.92 | 20 |
| Carbon Disulfide | 1.910 | 1.880 | | -1.57 | 20 |
| Methyl tert-butyl Ether | 2.308 | 2.427 | | 5.16 | 20 |
| Methyl Acetate | 0.889 | 0.958 | | 7.76 | 20 |
| Methylene Chloride | 0.729 | 0.724 | | -0.69 | 20 |
| trans-1,2-Dichloroethene | 0.690 | 0.678 | | -1.74 | 20 |
| 1,1-Dichloroethane | 1.283 | 1.368 | 0.1 | 6.63 | 20 |
| Cyclohexane | 1.210 | 1.253 | | 3.55 | 20 |
| 2-Butanone | 0.572 | 0.614 | | 7.34 | 20 |
| Carbon Tetrachloride | 0.507 | 0.570 | | 12.43 | 20 |
| cis-1,2-Dichloroethene | 0.794 | 0.794 | | 0 | 20 |
| Bromochloromethane | 0.606 | 0.607 | | 0.17 | 20 |
| Chloroform | 1.282 | 1.373 | | 7.1 | 20 |
| 1,1,1-Trichloroethane | 1.142 | 1.191 | | 4.29 | 20 |
| Methylcyclohexane | 0.630 | 0.653 | | 3.65 | 20 |
| Benzene | 1.494 | 1.599 | | 7.03 | 20 |
| 1,2-Dichloroethane | 0.531 | 0.617 | | 16.2 | 20 |
| Trichloroethene | 0.349 | 0.360 | | 3.15 | 20 |
| 1,2-Dichloropropane | 0.377 | 0.413 | | 9.55 | 20 |
| Dibromomethane | 0.269 | 0.295 | | 9.66 | 20 |
| Bromodichloromethane | 0.538 | 0.609 | | 13.2 | 20 |
| 4-Methyl-2-Pentanone | 0.575 | 0.662 | | 15.13 | 20 |
| Toluene | 0.921 | 0.975 | | 5.86 | 20 |
| t-1,3-Dichloropropene | 0.573 | 0.640 | | 11.69 | 20 |
| cis-1,3-Dichloropropene | 0.608 | 0.661 | | 8.72 | 20 |
| 1,1,2-Trichloroethane | 0.349 | 0.374 | | 7.16 | 20 |
| 2-Hexanone | 0.382 | 0.448 | | 17.28 | 20 |
| 1,2-Dibromoethane | 0.360 | 0.383 | | 6.39 | 20 |
| Tetrachloroethene | 0.330 | 0.343 | | 3.94 | 20 |
| Chlorobenzene | 1.135 | 1.167 | 0.3 | 2.82 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3464

Instrument ID: MSVOA_N | Calibration Date/Time: 10/27/2025 10:40

Lab File ID: VN088102.D | Init. Calib. Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:42 12:02

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.993 | 2.130 | | 6.87 | 20 |
| m/p-Xylenes | 0.747 | 0.796 | | 6.56 | 20 |
| o-Xylene | 0.708 | 0.768 | | 8.48 | 20 |
| Styrene | 1.154 | 1.310 | | 13.52 | 20 |
| Bromoform | 0.278 | 0.308 | 0.1 | 10.79 | 20 |
| Isopropylbenzene | 3.856 | 4.002 | | 3.79 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.201 | 1.246 | 0.3 | 3.75 | 20 |
| 1,3-Dichlorobenzene | 1.660 | 1.752 | | 5.54 | 20 |
| 1,4-Dichlorobenzene | 1.783 | 1.813 | | 1.68 | 20 |
| 1,2-Dichlorobenzene | 1.600 | 1.676 | | 4.75 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.279 | 0.307 | | 10.04 | 20 |
| 1,2,4-Trichlorobenzene | 0.969 | 1.015 | | 4.75 | 20 |
| 1,2,3-Trichlorobenzene | 0.929 | 0.964 | | 3.77 | 20 |
| 1,2-Dichloroethane-d4 | 0.865 | 0.876 | | 1.27 | 20 |
| Dibromofluoromethane | 0.336 | 0.332 | | -1.19 | 20 |
| Toluene-d8 | 1.294 | 1.241 | | -4.1 | 20 |
| 4-Bromofluorobenzene | 0.457 | 0.460 | | 0.66 | 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\VN102725\
Data File : VN088108.D
Acq On : 27 Oct 2025 13:10
Operator : JC\MD
Sample : Q3464-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Quant Time: Oct 28 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

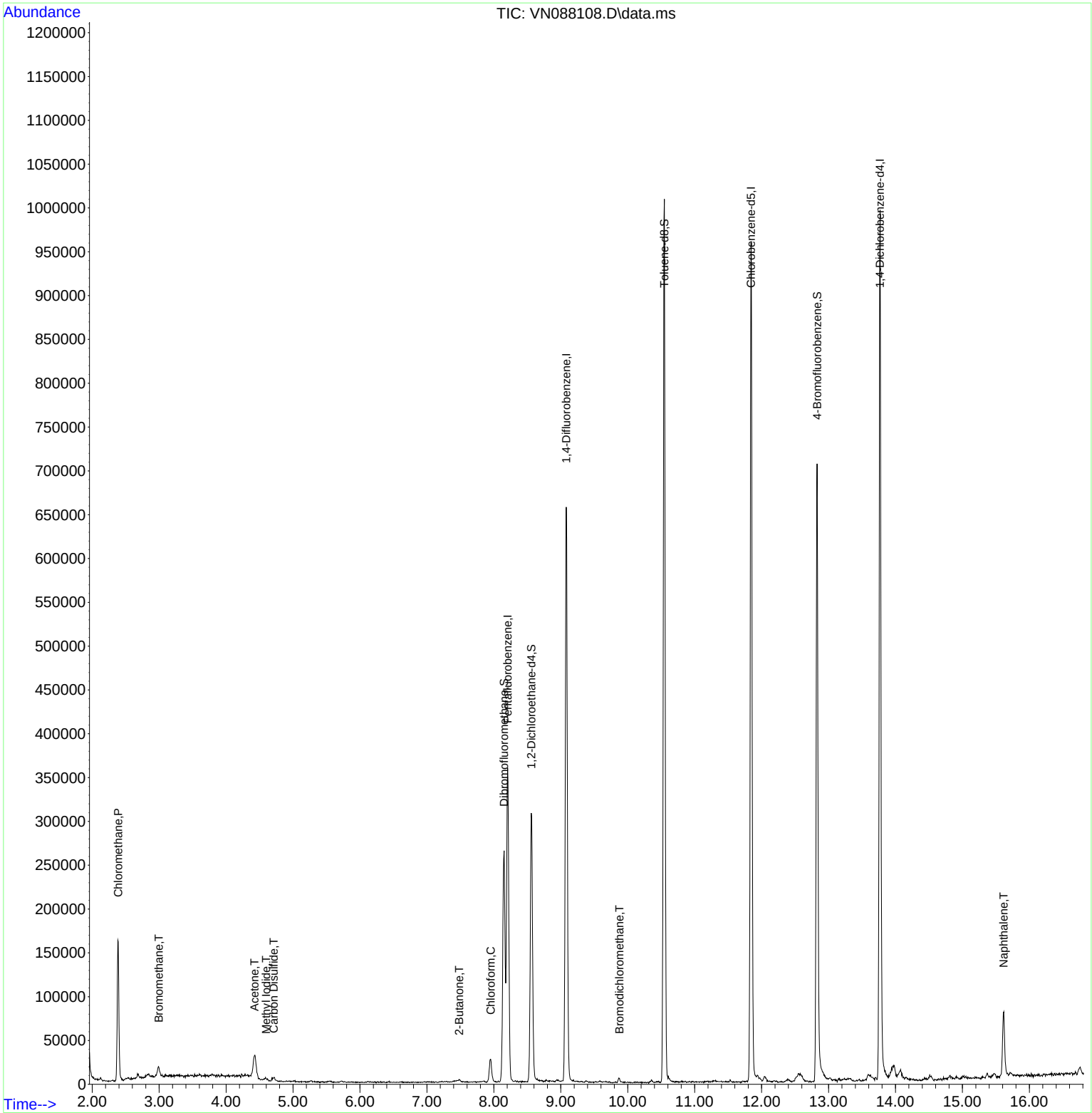
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 242209 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 543451 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 522532 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 258786 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 262690 | 62.720 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 125.440%# | | | |
| 35) Dibromofluoromethane | 8.153 | 113 | 188967 | 51.759 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 103.520% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 669206 | 47.571 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 95.140% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 266523 | 53.646 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.300% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 2.389 | 50 | 167787 | 52.202 | ug/l | 99 |
| 5) Bromomethane | 2.995 | 94 | 9069 | 4.329 | ug/l | 100 |
| 10) Methyl Iodide | 4.600 | 142 | 5944 | 6.126 | ug/l # | 72 |
| 16) Acetone | 4.424 | 43 | 54842 | 26.064 | ug/l | 92 |
| 17) Carbon Disulfide | 4.712 | 76 | 6687 | 0.723 | ug/l | 100 |
| 25) 2-Butanone | 7.482 | 43 | 5889 | 2.124 | ug/l # | 82 |
| 30) Chloroform | 7.953 | 83 | 25105 | 4.043 | ug/l # | 83 |
| 47) Bromodichloromethane | 9.876 | 83 | 3244 | 0.554 | ug/l # | 81 |
| 95) Naphthalene | 15.617 | 128 | 74063 | 4.310 | ug/l | 98 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088108.D
Acq On : 27 Oct 2025 13:10
Operator : JC\MD
Sample : Q3464-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

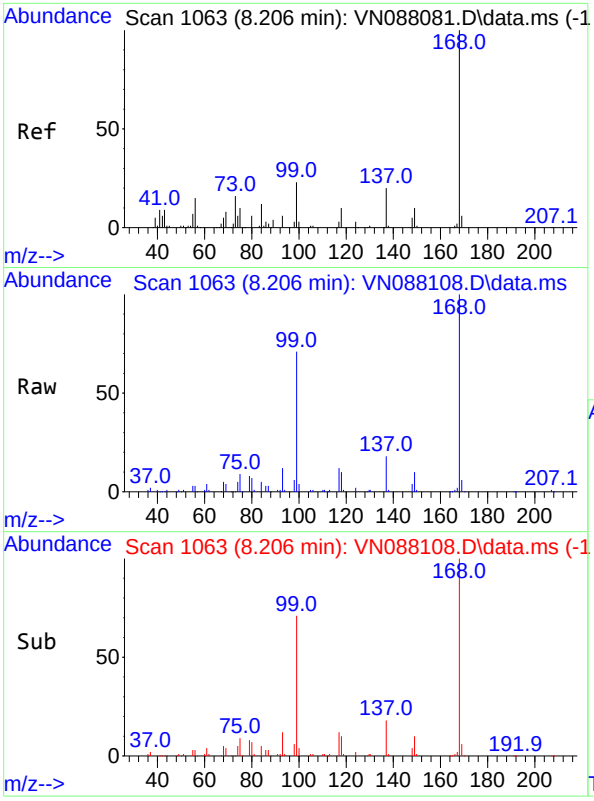
**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Quant Time: Oct 28 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



5

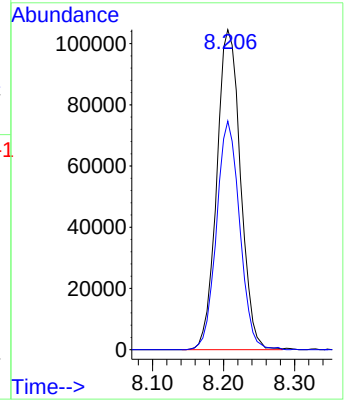
**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

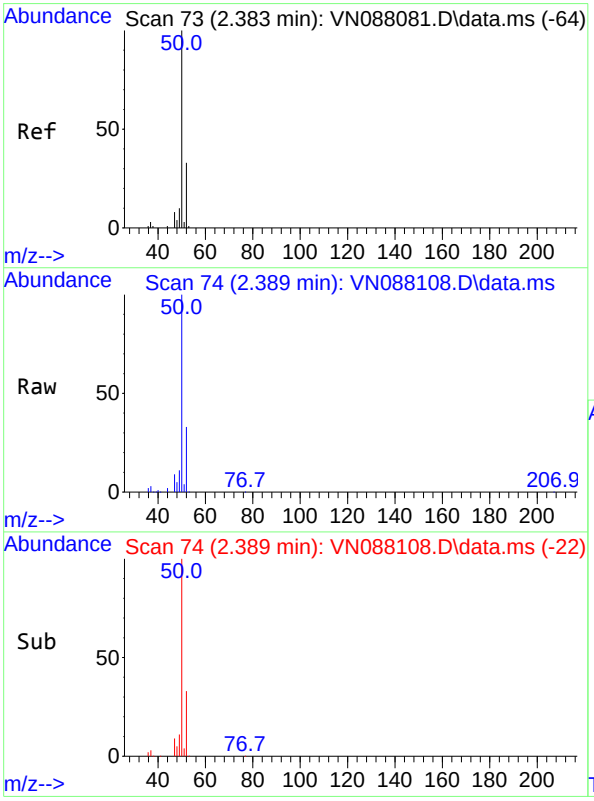



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion:168 Resp: 242209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.5 | 57.2 | 85.8 |

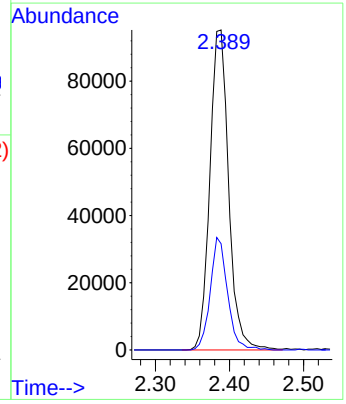


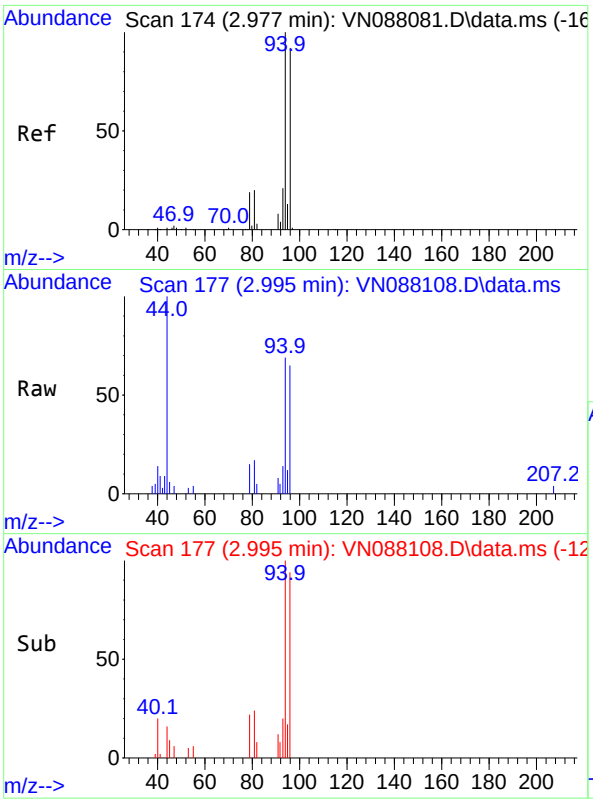




#3
Chloromethane
Concen: 52.202 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 50 Resp: 167787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.2 | 39.4 |



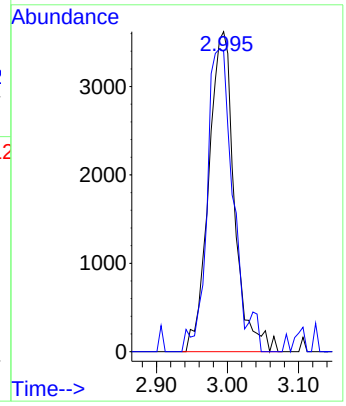


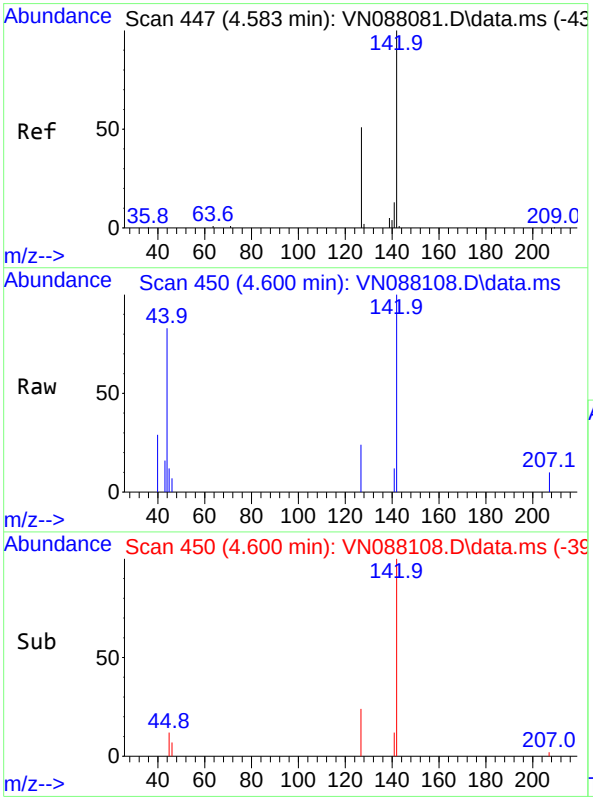

#5
Bromomethane
Concen: 4.329 ug/l
RT: 2.995 min Scan# 1
Delta R.T. 0.023 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion: 94 Resp: 9069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.9 | 75.4 | 113.2 |

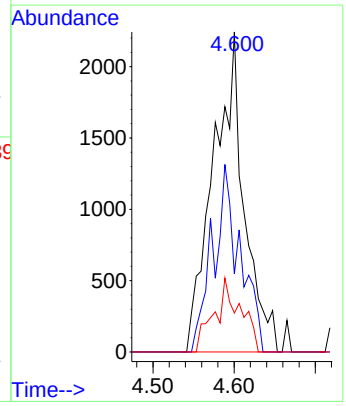


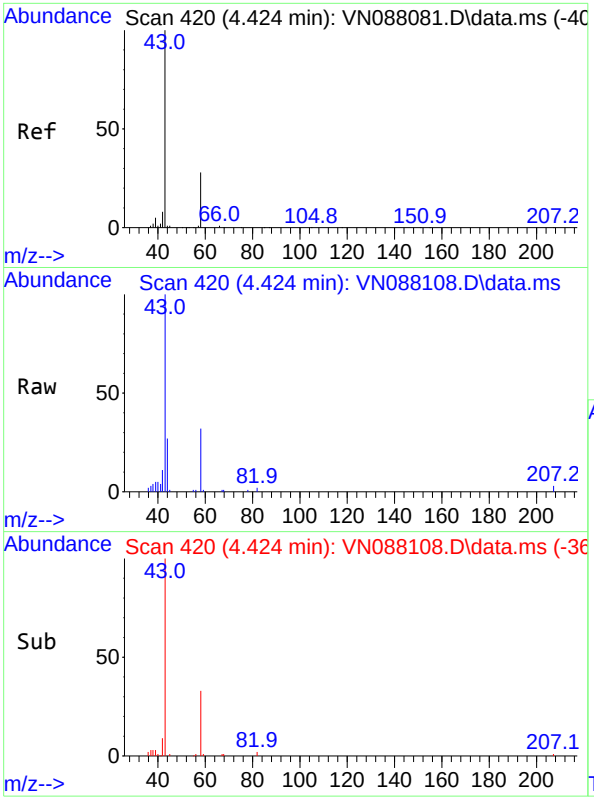




#10
Methyl Iodide
Concen: 6.126 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.023 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion:142 Resp: 5944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 24.4 | 38.0 | 57.0# |
| 141 | 12.2 | 12.0 | 18.0 |



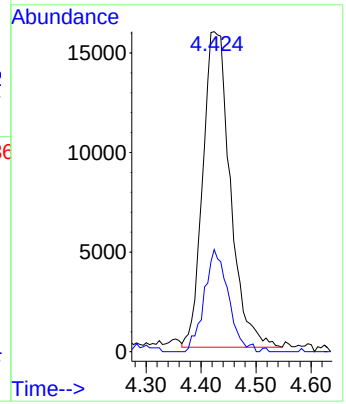


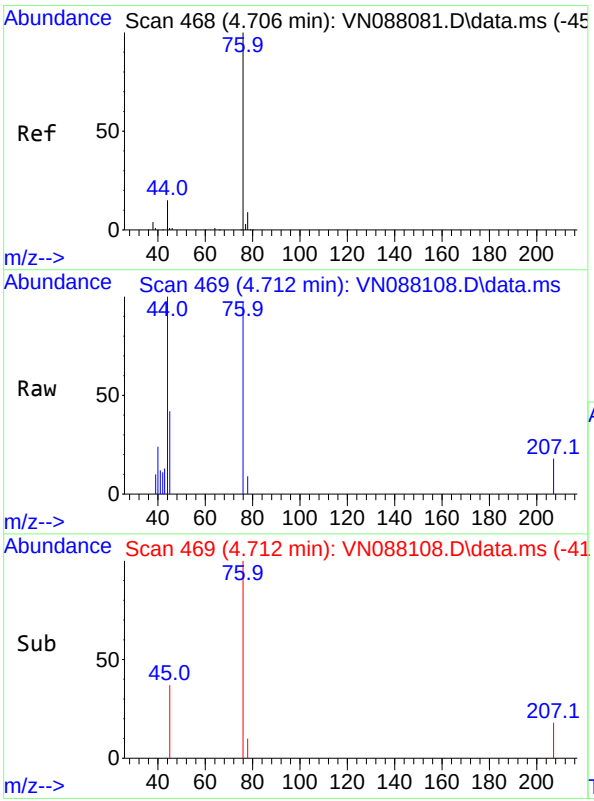

#16
Acetone
Concen: 26.064 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion: 43 Resp: 54842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 22.6 | 33.8 |

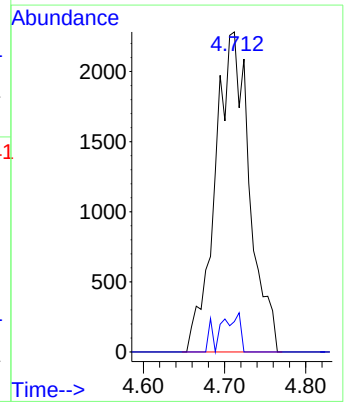


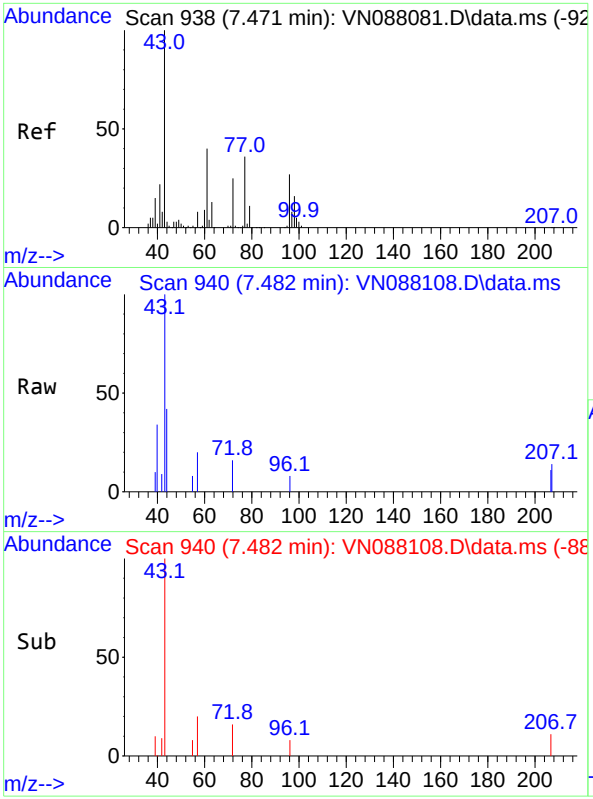




#17
Carbon Disulfide
Concen: 0.723 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 76 Resp: 6687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.6 | 11.4 |



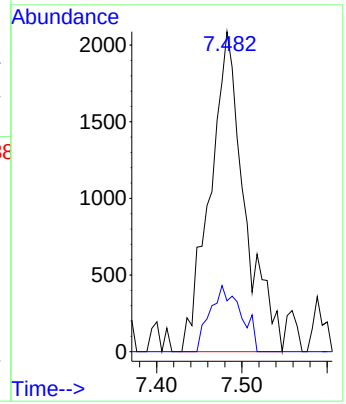


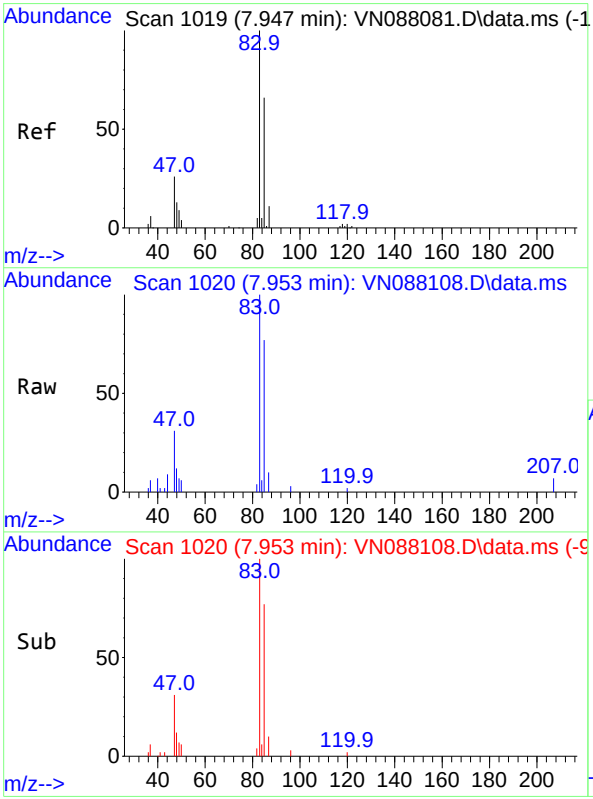

#25
2-Butanone
Concen: 2.124 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion: 43 Resp: 5889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 15.9 | 19.9 | 29.9# |

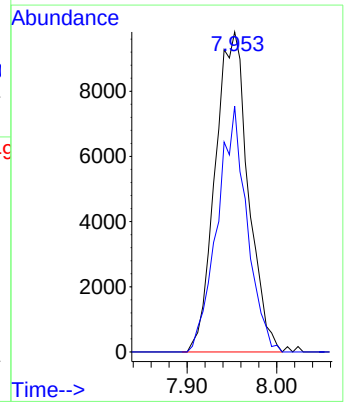


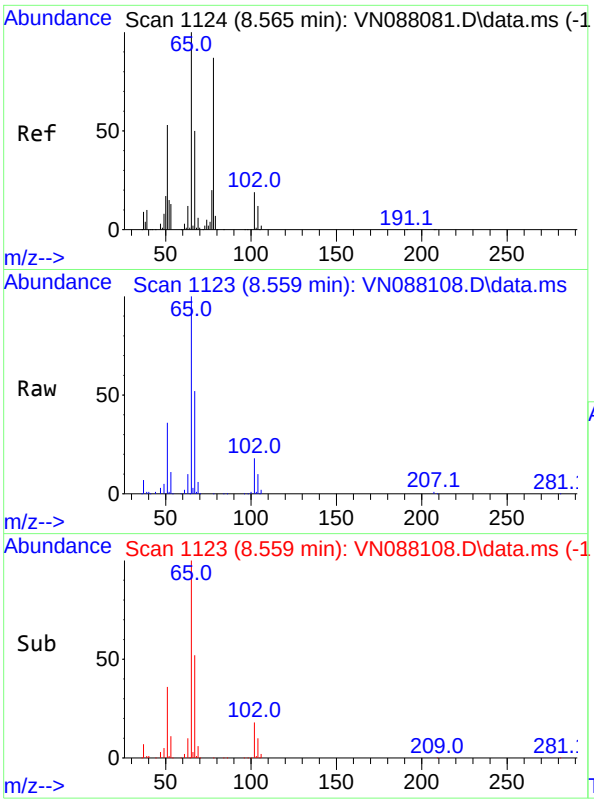




#30
Chloroform
Concen: 4.043 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 83 Resp: 25105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 76.8 | 50.7 | 76.1# |



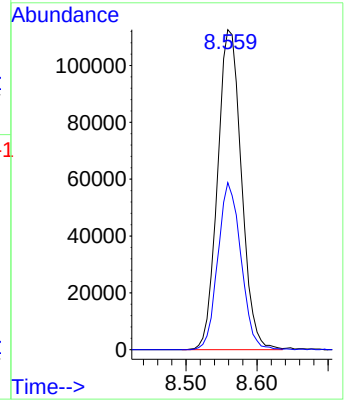


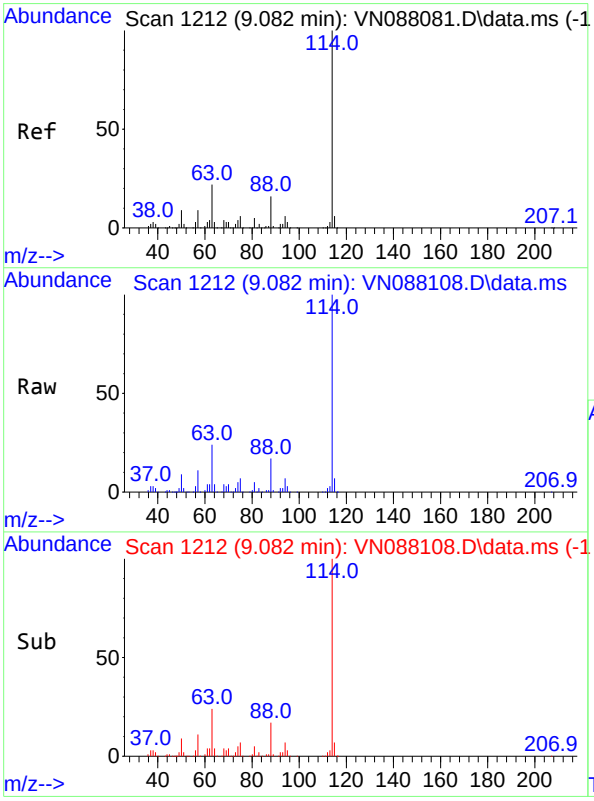

#33
1,2-Dichloroethane-d4
Concen: 62.720 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion: 65 Resp: 262690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 100.0 |

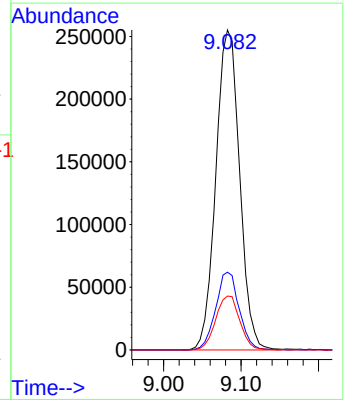


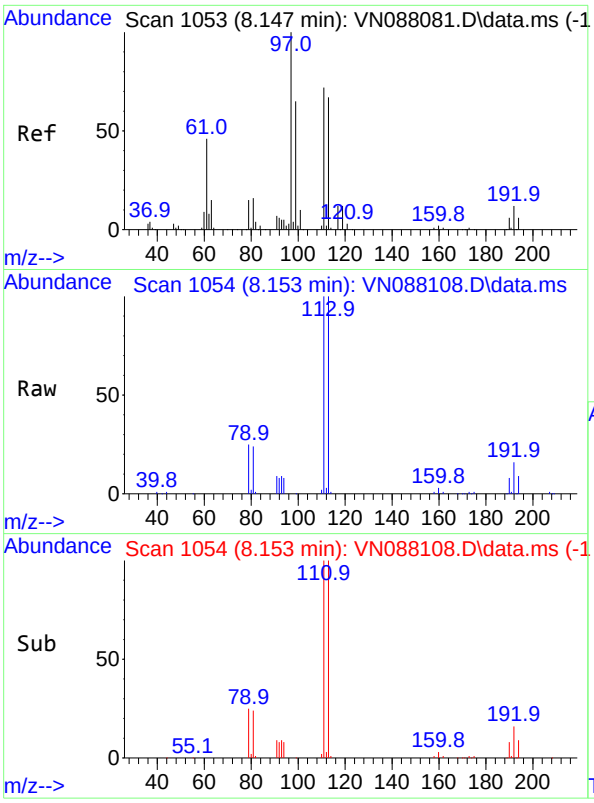




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion:114 Resp: 543451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.3 | 0.0 | 45.2 |
| 88 | 16.9 | 0.0 | 33.4 |



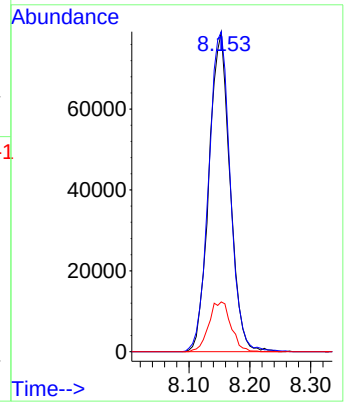


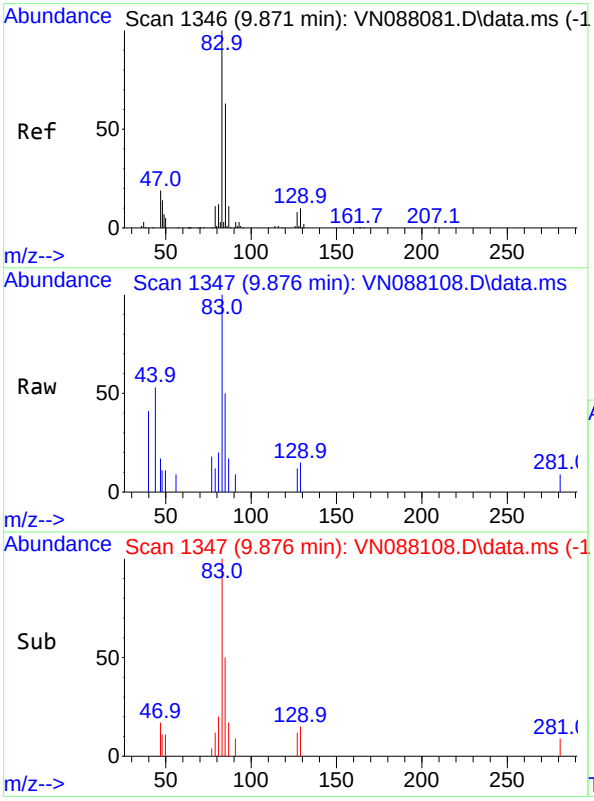

#35
Dibromofluoromethane
Concen: 51.759 ug/l
RT: 8.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion:113 Resp: 188967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.8 | 124.2 |
| 192 | 16.5 | 12.8 | 19.2 |

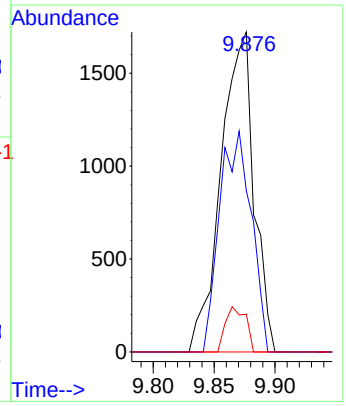


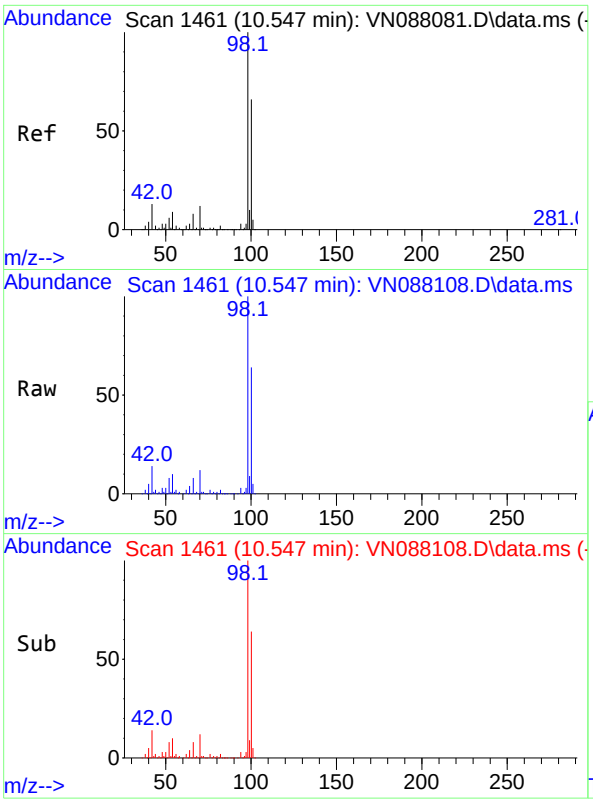




#47
Bromodichloromethane
Concen: 0.554 ug/l
RT: 9.876 min Scan# 1347
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 83 Resp: 3244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 50.3 | 52.5 | 78.7# |
| 127 | 11.8 | 5.8 | 8.6# |



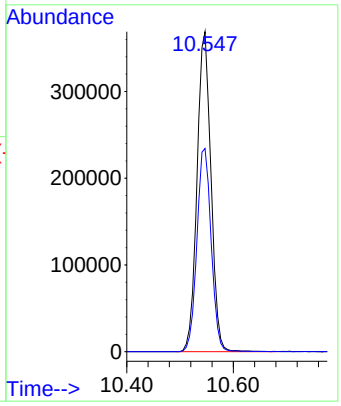


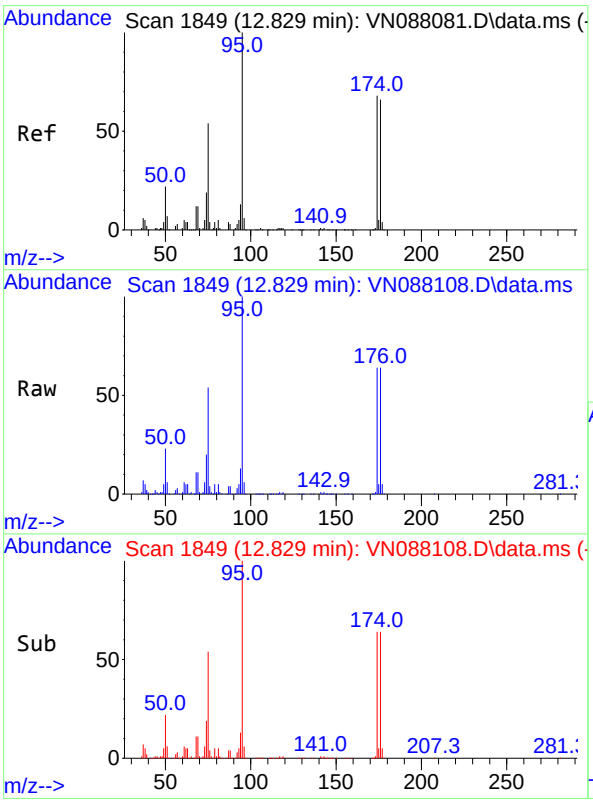

#50
Toluene-d8
Concen: 47.571 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion: 98 Resp: 669206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.8 | 79.2 |

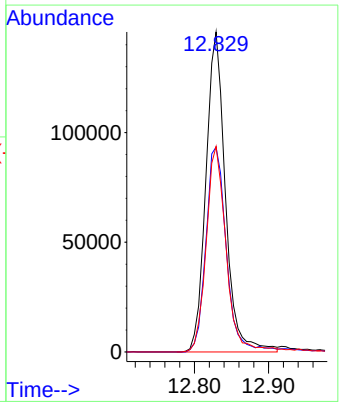


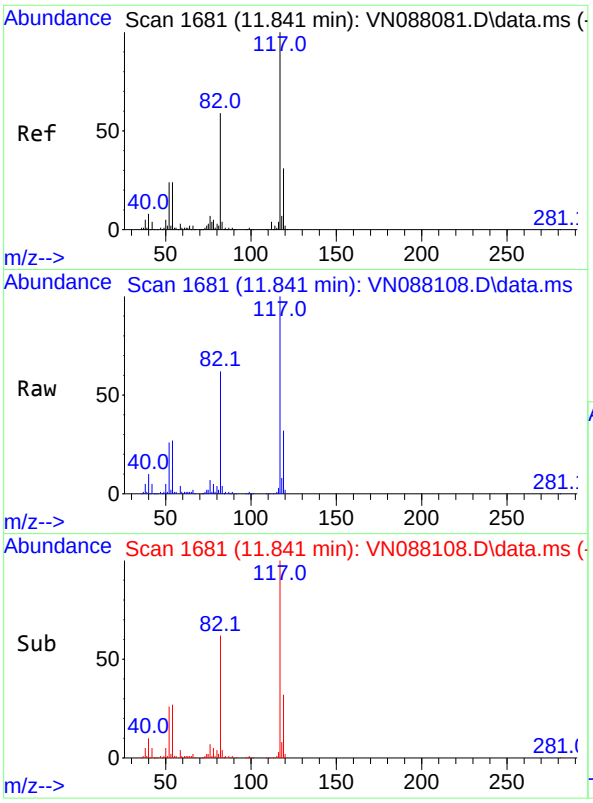




#62
4-Bromofluorobenzene
Concen: 53.646 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 95 Resp: 266523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.3 | 0.0 | 138.4 |
| 176 | 65.8 | 0.0 | 132.6 |



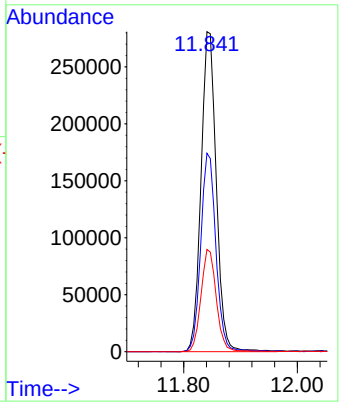


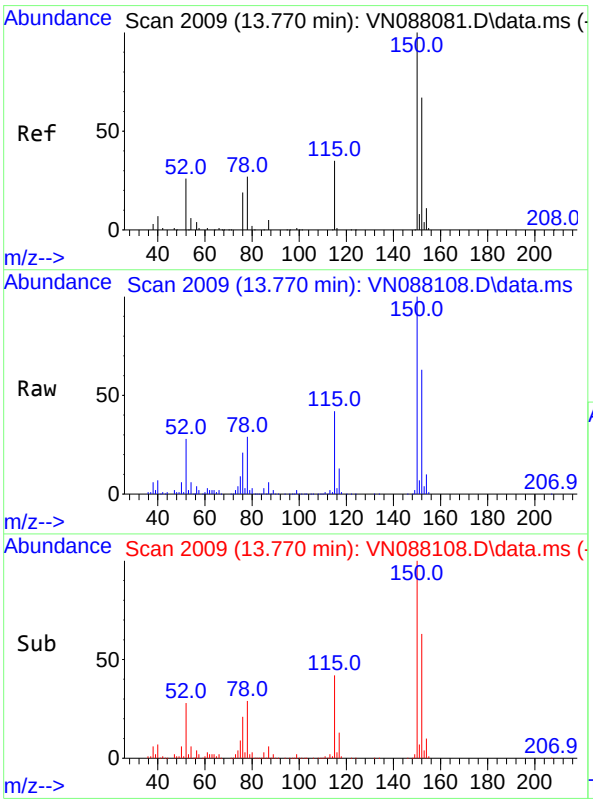

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion:117 Resp: 522532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.0 | 47.4 | 71.2 |
| 119 | 32.0 | 24.3 | 36.5 |

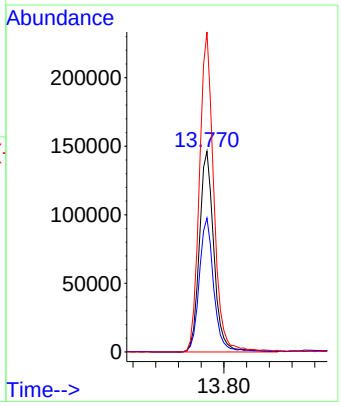


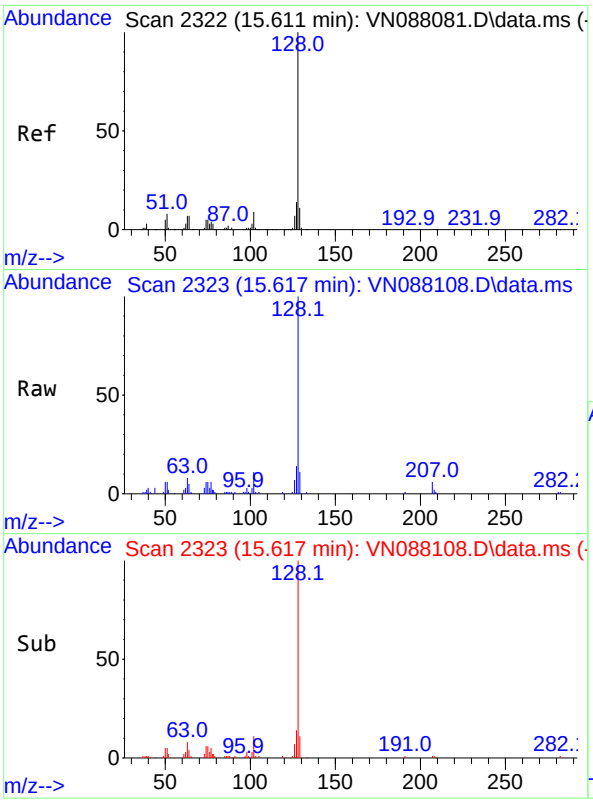




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion:152 Resp: 258786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.0 | 32.3 | 96.8 |
| 150 | 158.0 | 0.0 | 351.0 |



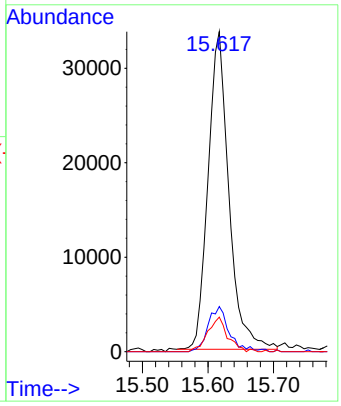



#95
Naphthalene
Concen: 4.310 ug/l
RT: 15.617 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Tgt Ion:128 Resp: 74063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.2 | 10.6 | 15.8 |
| 129 | 10.3 | 8.6 | 12.8 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088108.D
Acq On : 27 Oct 2025 13:10
Operator : JC\MD
Sample : Q3464-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

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\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088108.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.383 | 66 | 73 | 87 | rBV | 161025 | 282730 | 15.13% | 2.553% |
| 2 | 2.989 | 170 | 176 | 183 | rVB5 | 10917 | 24323 | 1.30% | 0.220% |
| 3 | 4.430 | 411 | 421 | 430 | rVB3 | 27216 | 91905 | 4.92% | 0.830% |
| 4 | 7.953 | 1010 | 1020 | 1030 | rBV2 | 26387 | 69468 | 3.72% | 0.627% |
| 5 | 8.153 | 1042 | 1054 | 1058 | rBV | 263968 | 640229 | 34.26% | 5.781% |
| 6 | 8.206 | 1058 | 1063 | 1077 | rVB2 | 357938 | 818954 | 43.83% | 7.395% |
| 7 | 8.559 | 1114 | 1123 | 1137 | rBV | 306741 | 725838 | 38.85% | 6.554% |
| 8 | 9.082 | 1203 | 1212 | 1227 | rVB | 654925 | 1390495 | 74.42% | 12.556% |
| 9 | 10.547 | 1451 | 1461 | 1470 | rBV | 1008224 | 1868540 | 100.00% | 16.872% |
| 10 | 11.841 | 1672 | 1681 | 1695 | rBV | 957352 | 1793710 | 96.00% | 16.196% |
| 11 | 12.829 | 1842 | 1849 | 1871 | rBV | 704292 | 1343747 | 71.91% | 12.133% |
| 12 | 13.770 | 2001 | 2009 | 2021 | rBV | 992607 | 1774542 | 94.97% | 16.023% |
| 13 | 13.964 | 2031 | 2042 | 2043 | rBV9 | 13039 | 32228 | 1.72% | 0.291% |
| 14 | 14.076 | 2052 | 2061 | 2064 | rBV8 | 8223 | 18709 | 1.00% | 0.169% |
| 15 | 15.617 | 2312 | 2323 | 2331 | rBV2 | 75537 | 177259 | 9.49% | 1.601% |
| 16 | 16.758 | 2510 | 2517 | 2522 | rBV5 | 8332 | 22059 | 1.18% | 0.199% |

Sum of corrected areas: 11074736

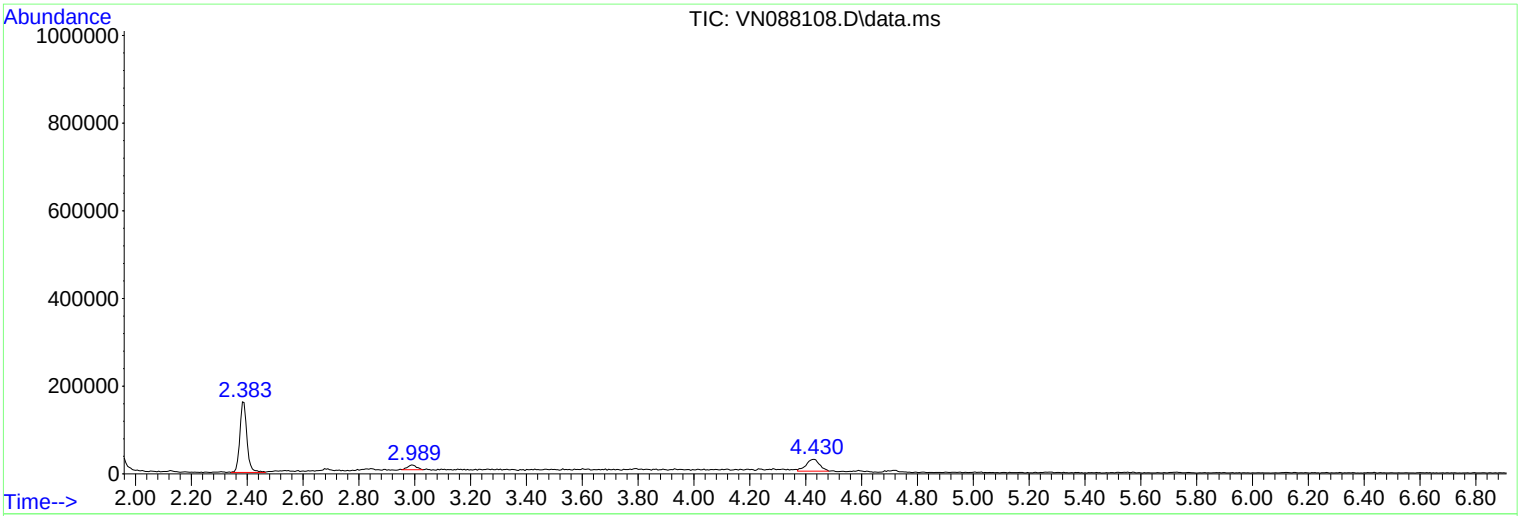
Sample Results: **VN088108.D**

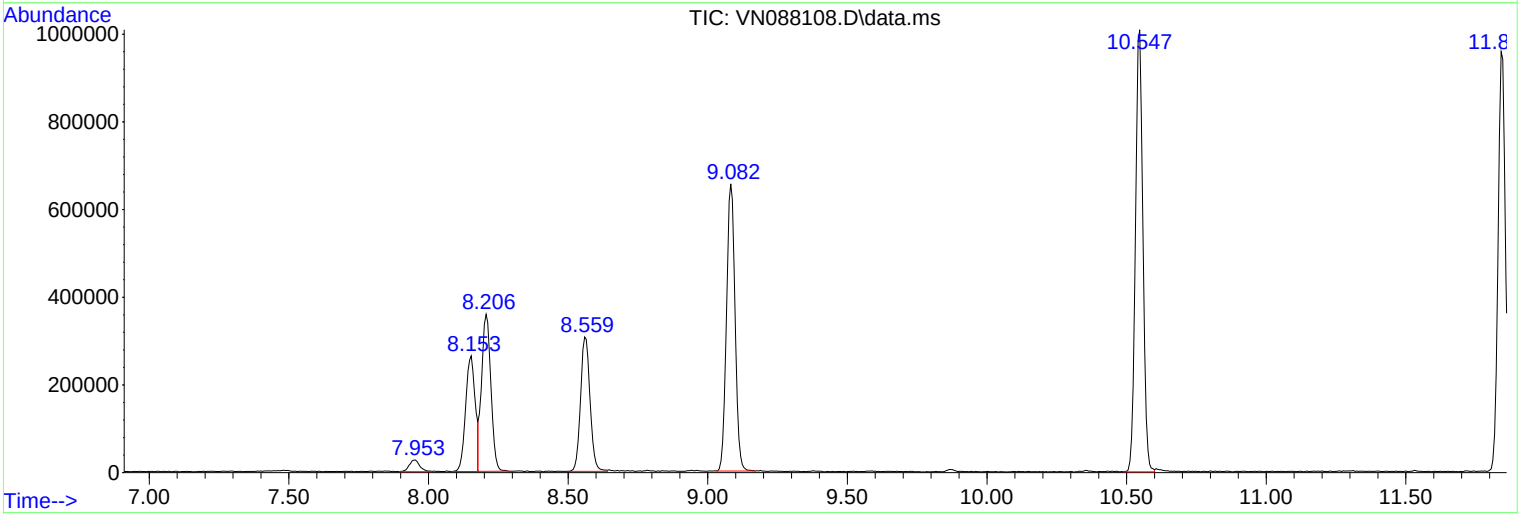
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088108.D
Acq On : 27 Oct 2025 13:10
Operator : JC\MD
Sample : Q3464-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

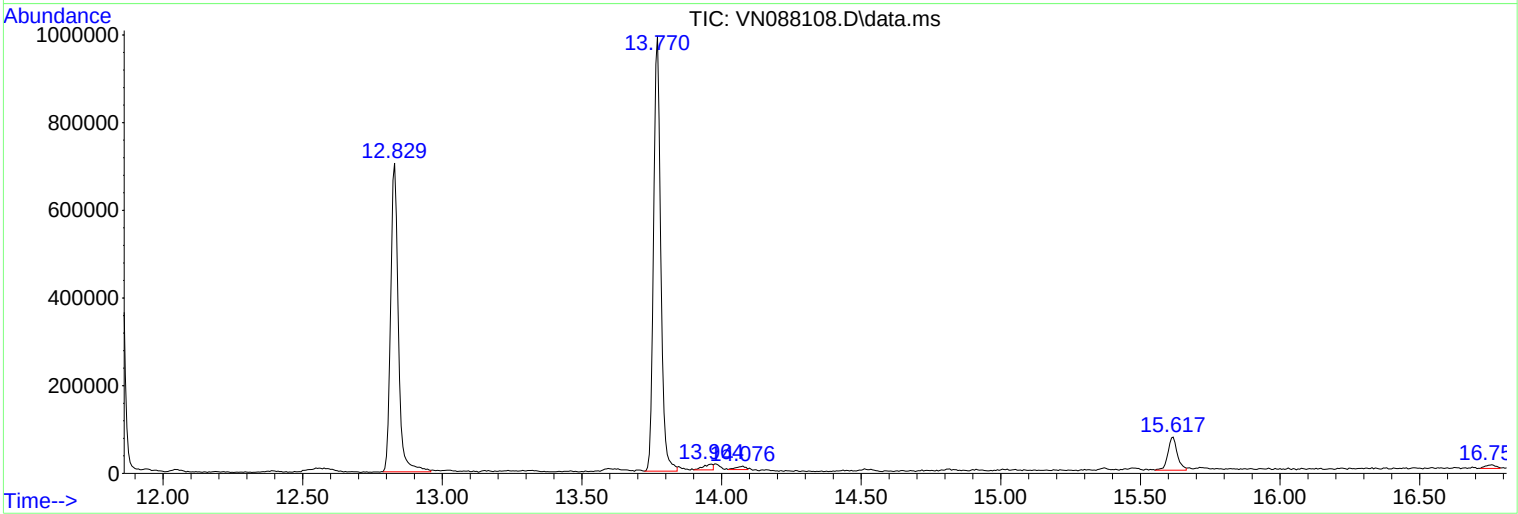
**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088108.D
Acq On : 27 Oct 2025 13:10
Operator : JC\MD
Sample : Q3464-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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\VN102725\
Data File : VN088108.D
Acq On : 27 Oct 2025 13:10
Operator : JC\MD
Sample : Q3464-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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\VN102725\
Data File : VN088109.D
Acq On : 27 Oct 2025 13:31
Operator : JC\MD
Sample : Q3464-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Time: Oct 28 01:26:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

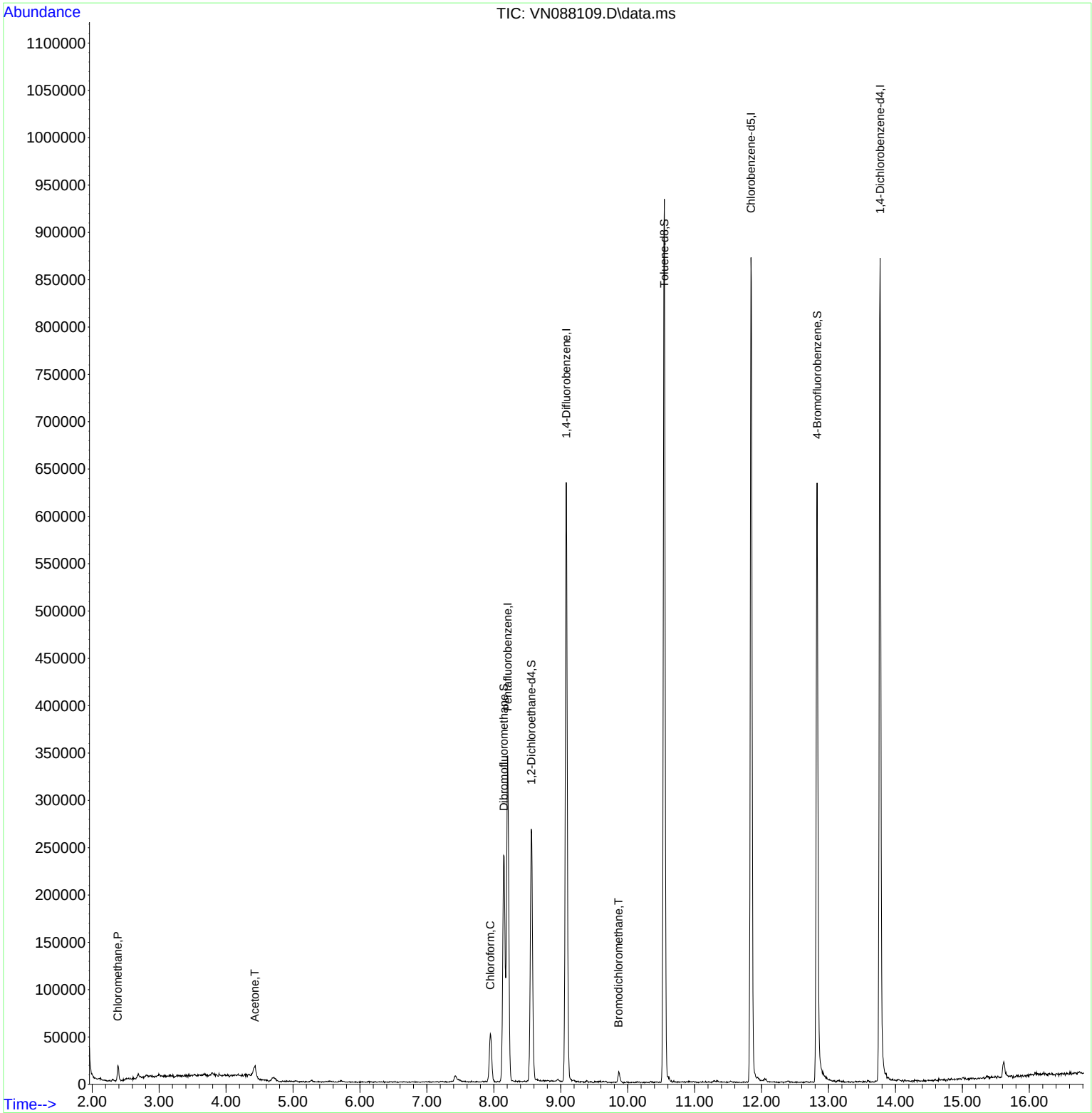
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 223573 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.083 | 114 | 506770 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 486491 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152 | 231113 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 228087 | 58.997 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 118.000% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 173646 | 51.005 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.000% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 622675 | 47.467 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 94.940% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 233072 | 50.309 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.620% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 2.383 | 50 | 16871 | 5.686 | ug/l | 99 |
| 16) Acetone | 4.430 | 43 | 25969 | 13.371 | ug/l | 92 |
| 30) Chloroform | 7.947 | 83 | 48967 | 8.542 | ug/l | 99 |
| 47) Bromodichloromethane | 9.865 | 83 | 7823 | 1.433 | ug/l | 95 |

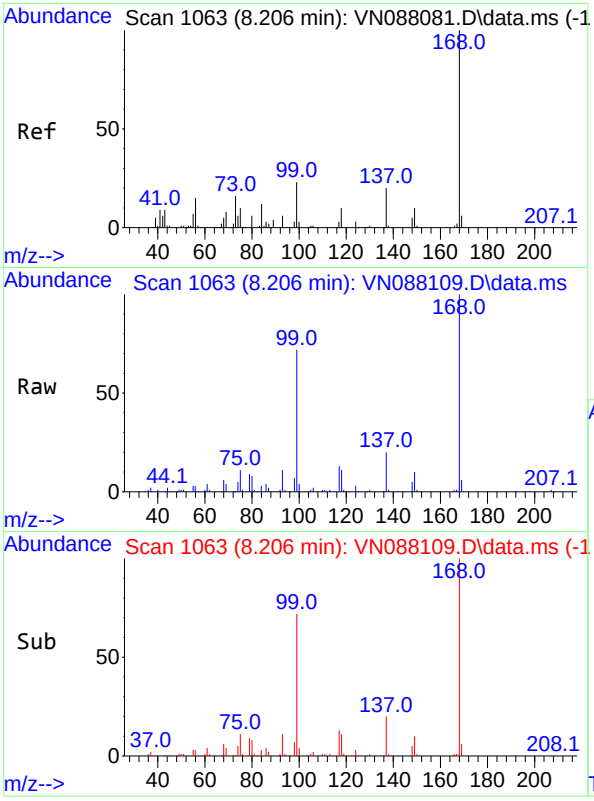
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088109.D
Acq On : 27 Oct 2025 13:31
Operator : JC\MD
Sample : Q3464-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Time: Oct 28 01:26:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



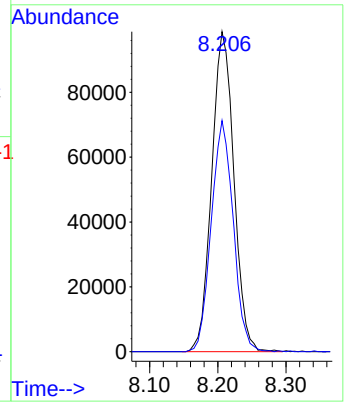


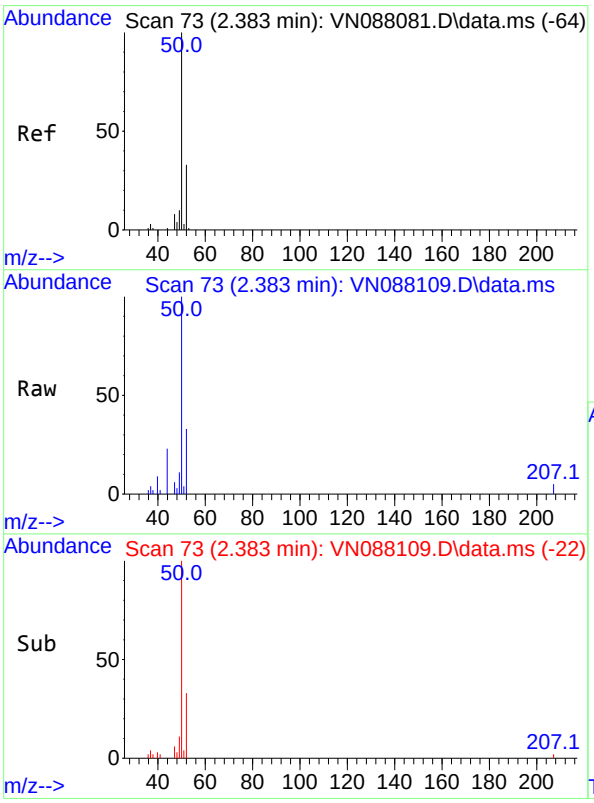

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Tgt Ion:168 Resp: 223573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.2 | 57.2 | 85.8 |

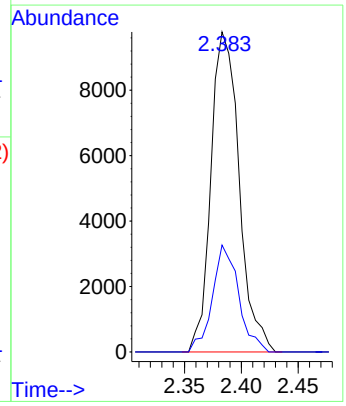


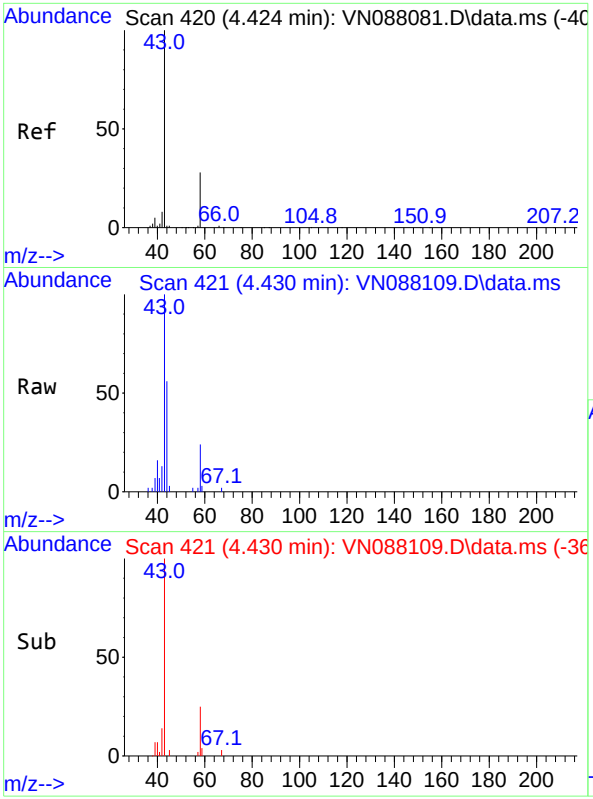




#3
Chloromethane
Concen: 5.686 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

Tgt Ion: 50 Resp: 16871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.4 | 26.2 | 39.4 |



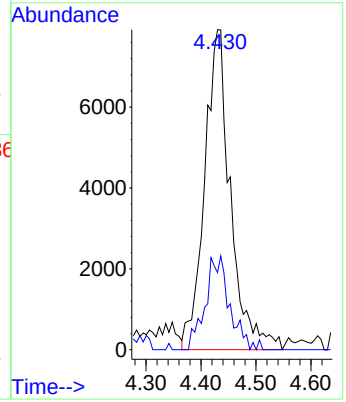


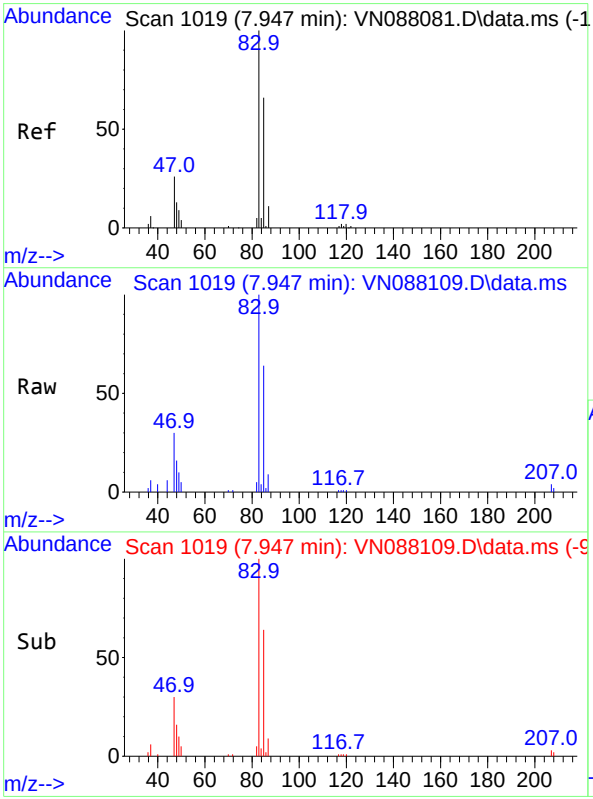

#16
Acetone
Concen: 13.371 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Tgt Ion: 43 Resp: 25969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.1 | 22.6 | 33.8 |

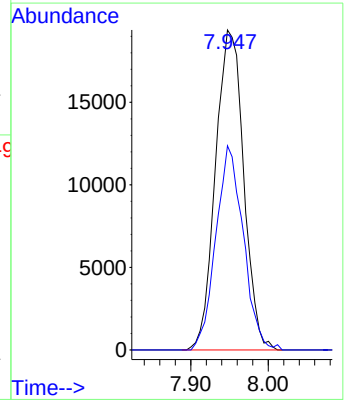


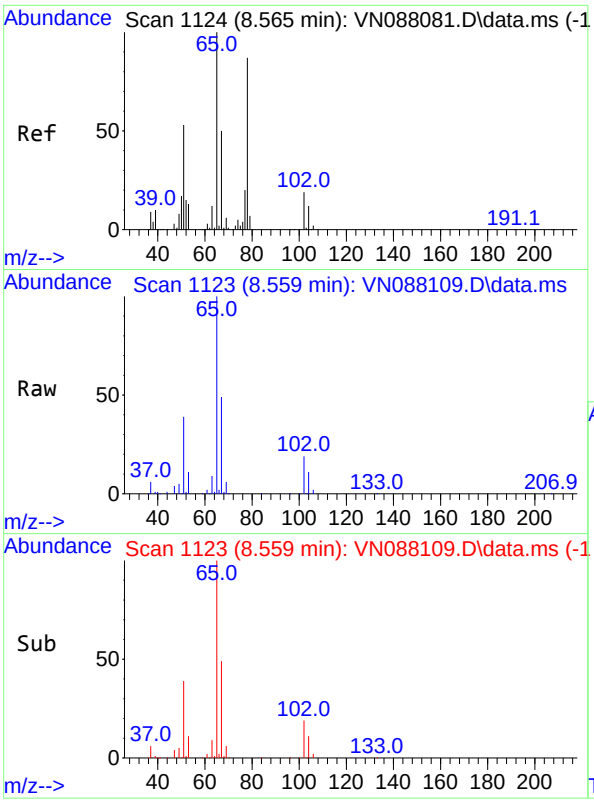




#30
Chloroform
Concen: 8.542 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

Tgt Ion: 83 Resp: 48967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 50.7 | 76.1 |



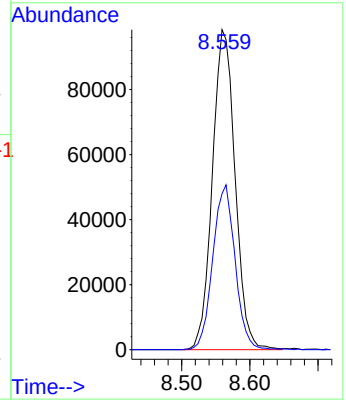


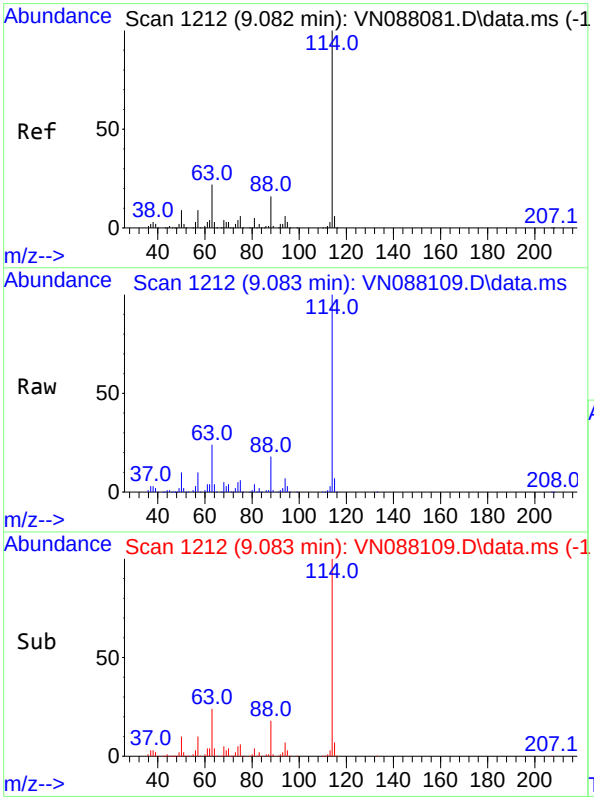

#33
1,2-Dichloroethane-d4
Concen: 58.997 ug/l
RT: 8.559 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Tgt Ion: 65 Resp: 228087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 100.0 |

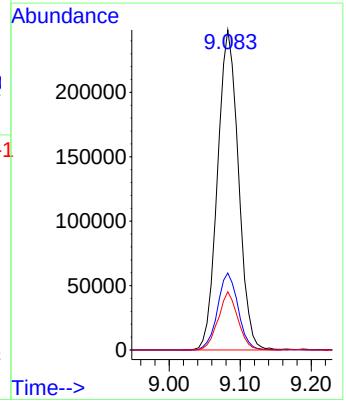


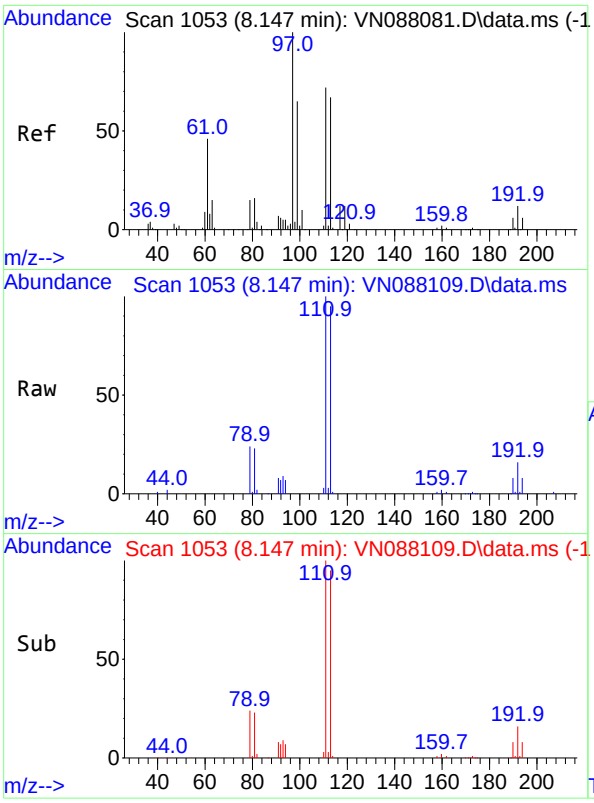




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

Tgt Ion:114 Resp: 506770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.1 | 0.0 | 45.2 |
| 88 | 18.2 | 0.0 | 33.4 |



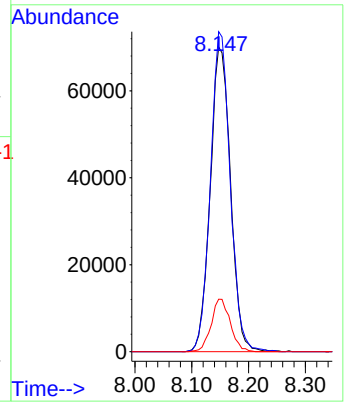


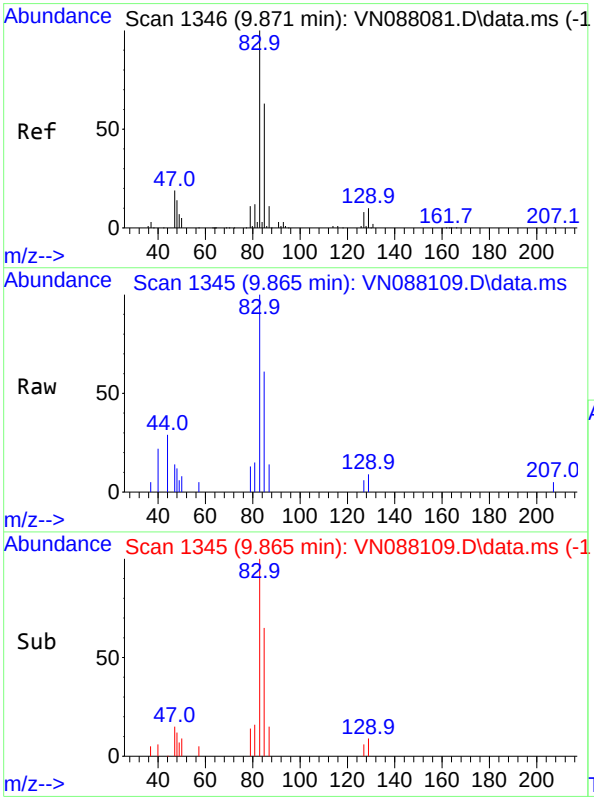

#35
Dibromofluoromethane
Concen: 51.005 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Tgt Ion:113 Resp: 173646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.8 | 124.2 |
| 192 | 16.2 | 12.8 | 19.2 |

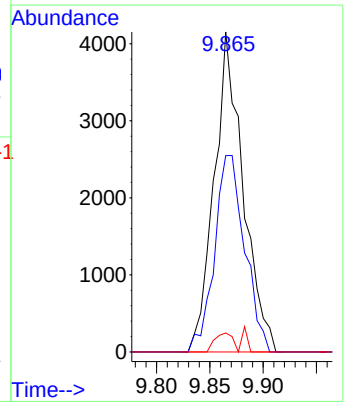



#47
Bromodichloromethane
Concen: 1.433 ug/l
RT: 9.865 min Scan# 1345
Delta R.T. -0.006 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

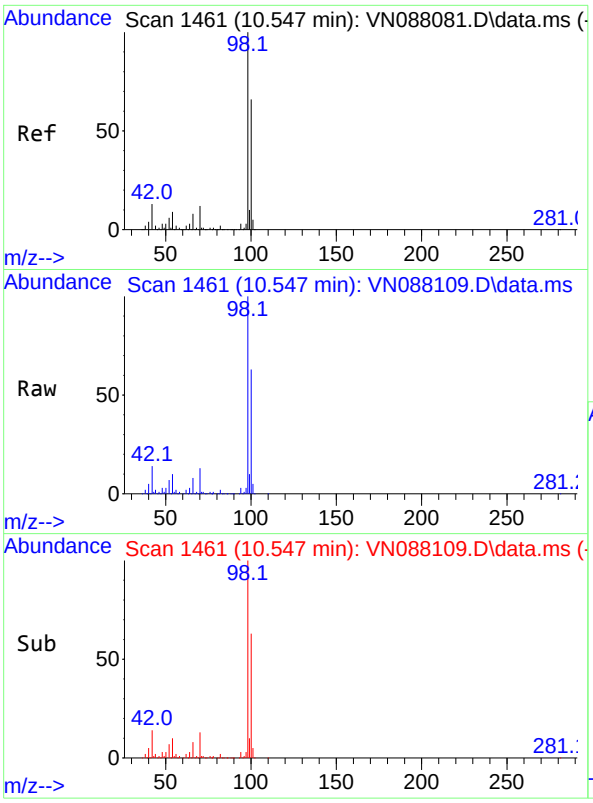
Tgt Ion: 83 Resp: 7823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.3 | 52.5 | 78.7 |
| 127 | 5.9 | 5.8 | 8.6 |



5

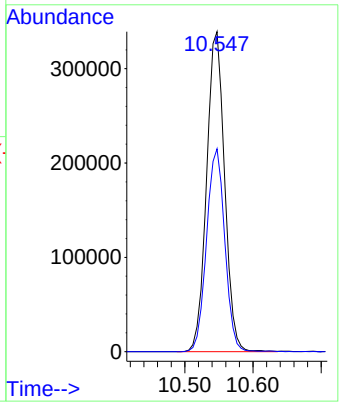
**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

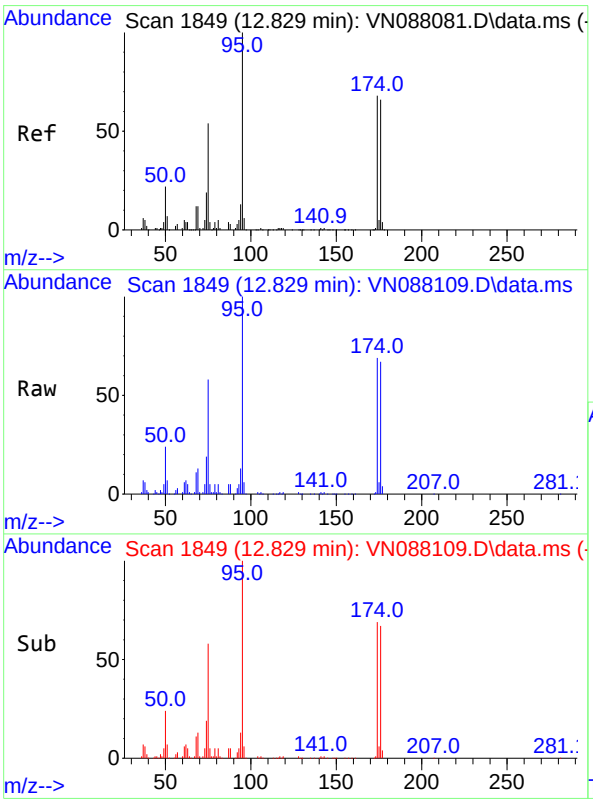



#50
Toluene-d8
Concen: 47.467 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

Tgt Ion: 98 Resp: 622675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 52.8 | 79.2 |

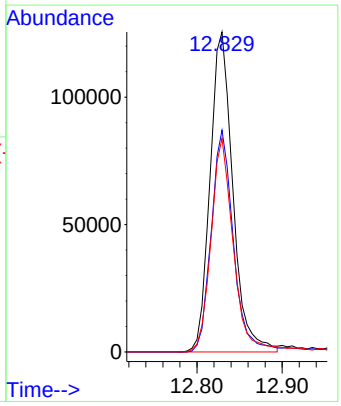


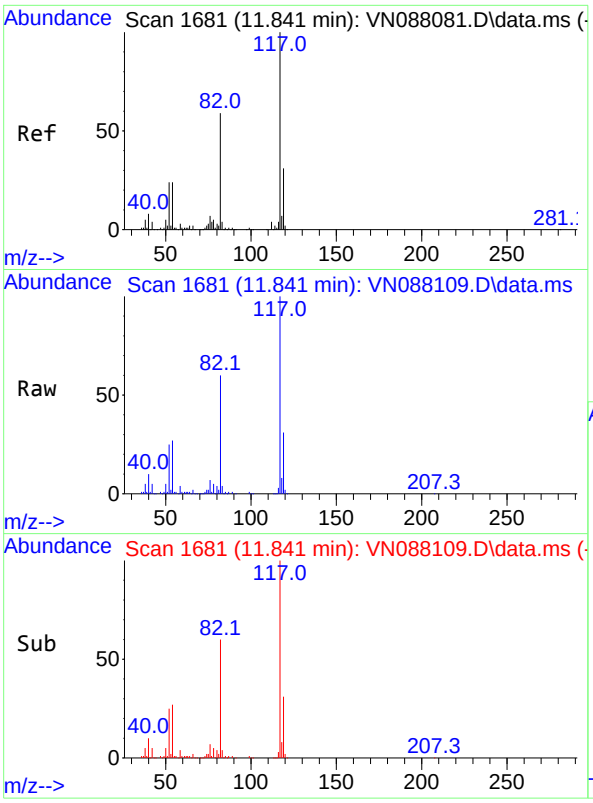




#62
4-Bromofluorobenzene
Concen: 50.309 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

Tgt Ion: 95 Resp: 233072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.5 | 0.0 | 138.4 |
| 176 | 66.2 | 0.0 | 132.6 |



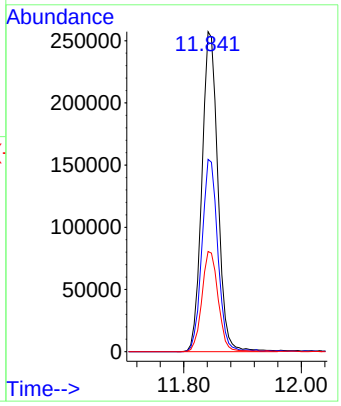


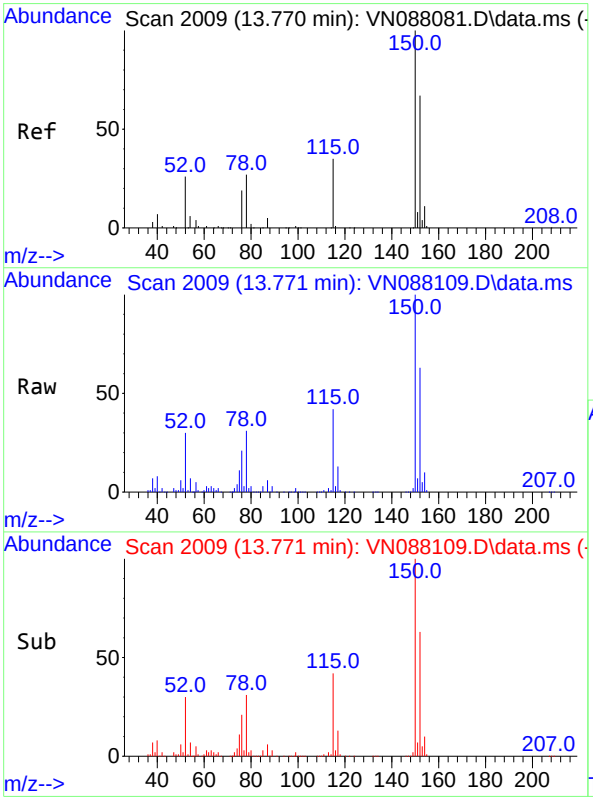

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Tgt Ion:117 Resp: 486491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.1 | 47.4 | 71.2 |
| 119 | 31.3 | 24.3 | 36.5 |

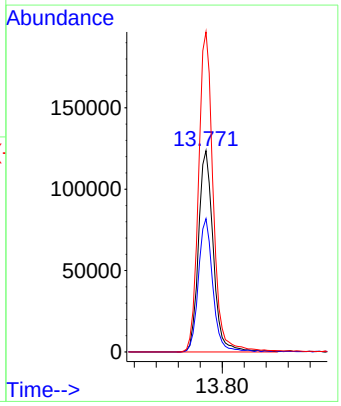



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088109.D
Acq: 27 Oct 2025 13:31

Tgt Ion:152 Resp: 231113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.6 | 32.3 | 96.8 |
| 150 | 158.0 | 0.0 | 351.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088109.D
Acq On : 27 Oct 2025 13:31
Operator : JC\MD
Sample : Q3464-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

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\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088109.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.383 | 68 | 73 | 81 | rBV | 16950 | 30336 | 1.75% | 0.314% |
| 2 | 4.436 | 410 | 422 | 429 | rVB2 | 14186 | 48563 | 2.80% | 0.502% |
| 3 | 7.947 | 1011 | 1019 | 1031 | rVB2 | 50979 | 128264 | 7.39% | 1.327% |
| 4 | 8.147 | 1043 | 1053 | 1058 | rBV | 239357 | 585677 | 33.75% | 6.059% |
| 5 | 8.206 | 1058 | 1063 | 1074 | rVB | 343666 | 767211 | 44.21% | 7.937% |
| 6 | 8.559 | 1115 | 1123 | 1135 | rBV | 265871 | 618448 | 35.64% | 6.398% |
| 7 | 9.083 | 1201 | 1212 | 1223 | rBV | 632854 | 1295919 | 74.68% | 13.406% |
| 8 | 9.865 | 1338 | 1345 | 1355 | rVB3 | 11908 | 25546 | 1.47% | 0.264% |
| 9 | 10.547 | 1452 | 1461 | 1469 | rBV | 933377 | 1735314 | 100.00% | 17.952% |
| 10 | 11.841 | 1674 | 1681 | 1696 | rBV | 871101 | 1644543 | 94.77% | 17.013% |
| 11 | 12.829 | 1841 | 1849 | 1864 | rBV | 632762 | 1177036 | 67.83% | 12.177% |
| 12 | 13.771 | 2001 | 2009 | 2022 | rBV | 869527 | 1573474 | 90.67% | 16.278% |
| 13 | 15.617 | 2318 | 2323 | 2328 | rBV3 | 16344 | 36064 | 2.08% | 0.373% |

Sum of corrected areas: 9666395

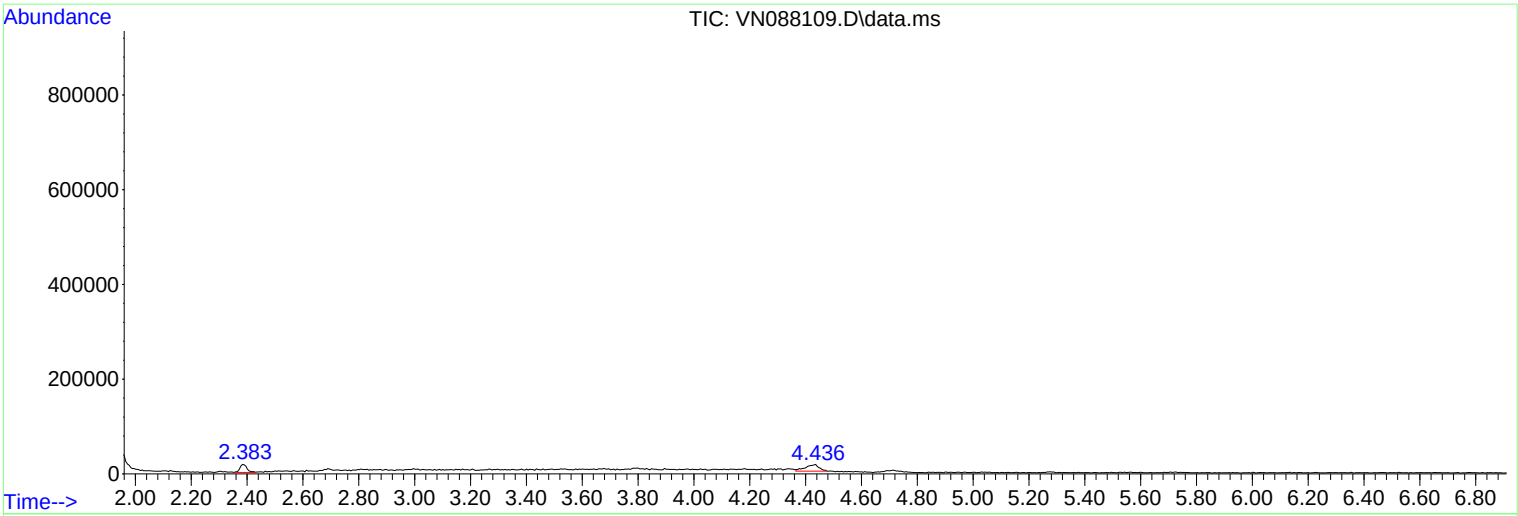
Sample Results: **VN088109.D**

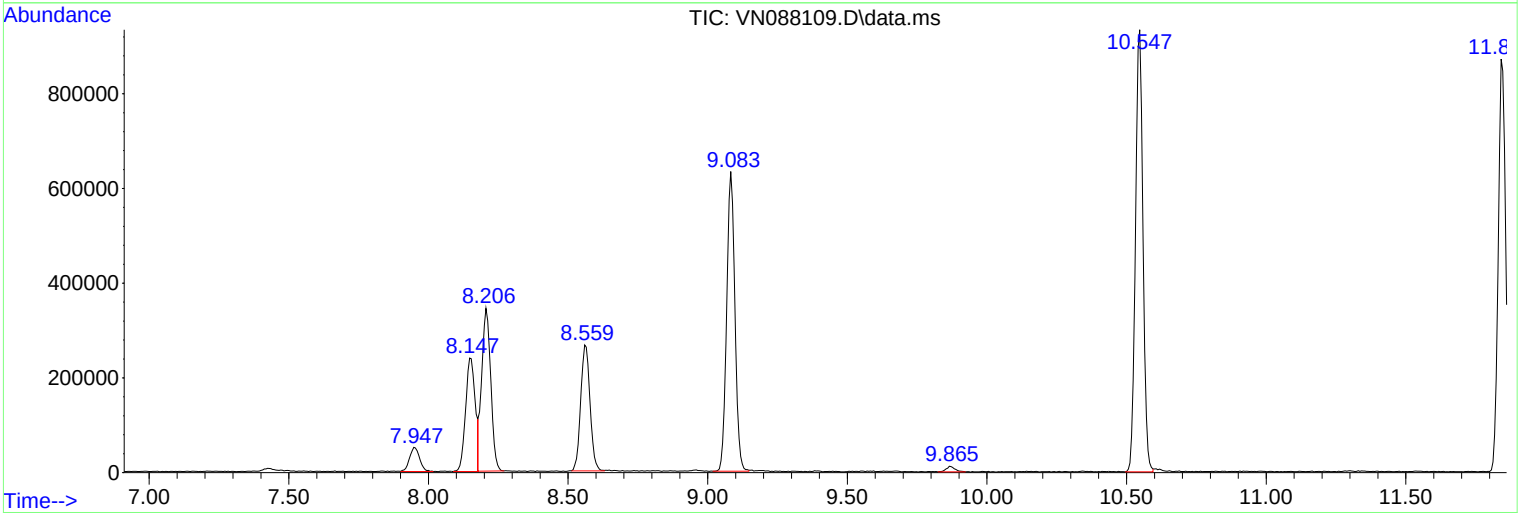
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088109.D
Acq On : 27 Oct 2025 13:31
Operator : JC\MD
Sample : Q3464-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

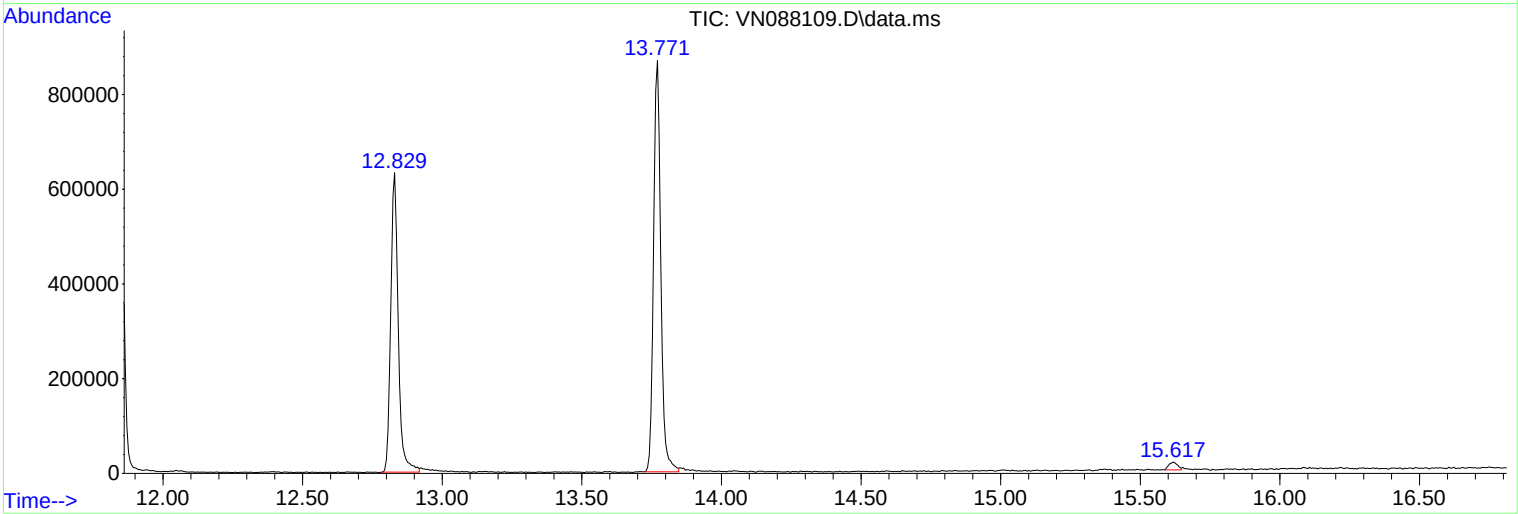
**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088109.D
Acq On : 27 Oct 2025 13:31
Operator : JC\MD
Sample : Q3464-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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\VN102725\
Data File : VN088109.D
Acq On : 27 Oct 2025 13:31
Operator : JC\MD
Sample : Q3464-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Quant Time: Oct 28 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 198801 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 446179 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 422679 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 199580 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 209923 | 61.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 122.140% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 158342 | 52.825 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.660% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 576347 | 49.901 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.800% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 211880 | 51.945 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.900% | | | |

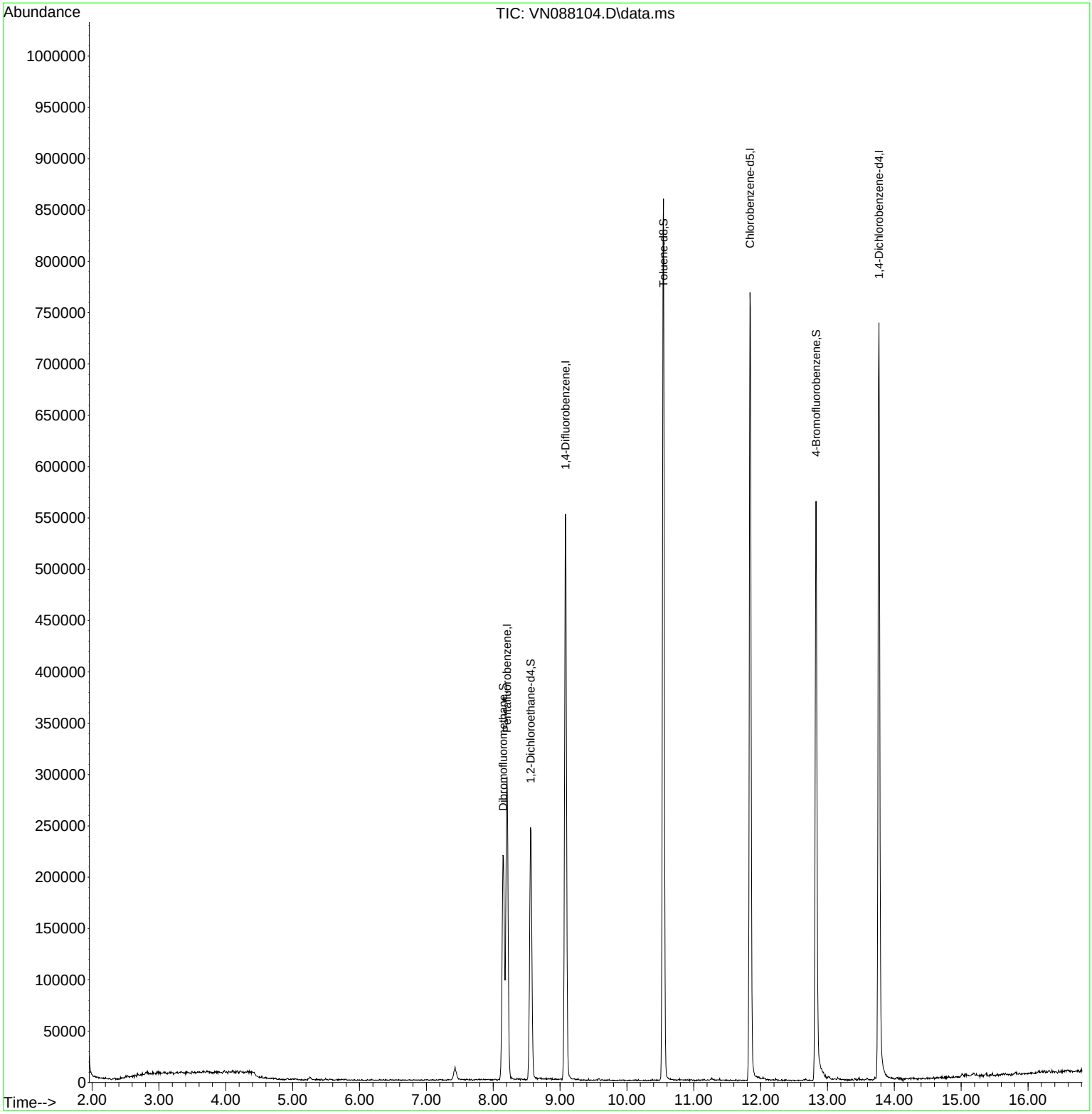
Target Compounds Qvalue

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

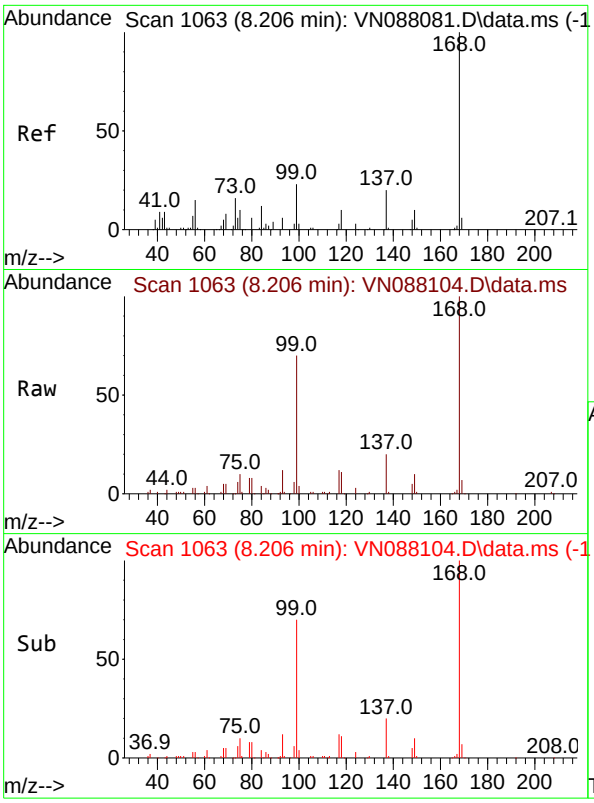
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Quant Time: Oct 28 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



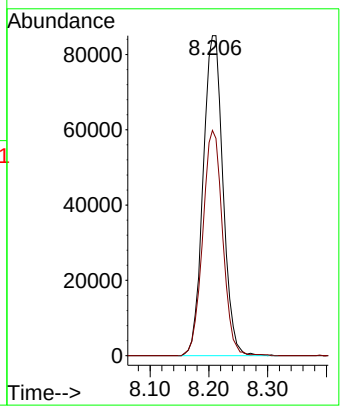
**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

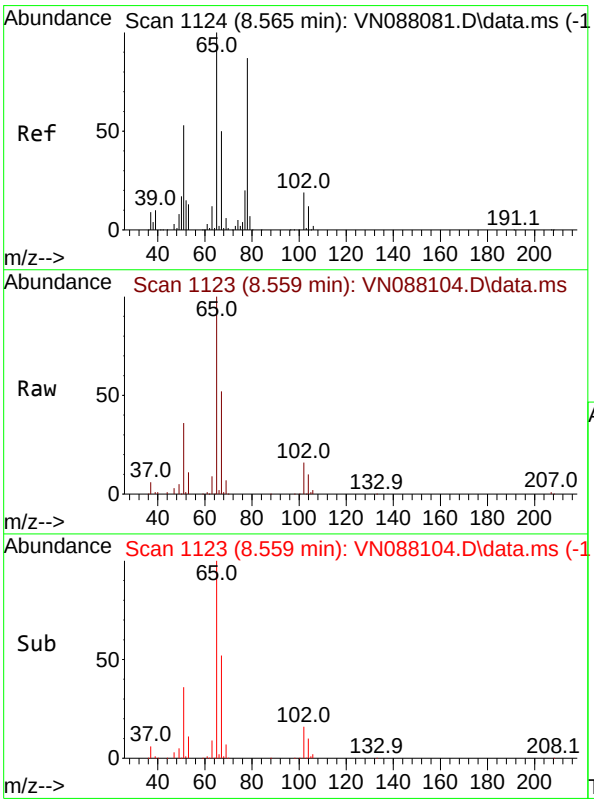



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:168 Resp: 198801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 70.4 | 57.2 | 85.8 |

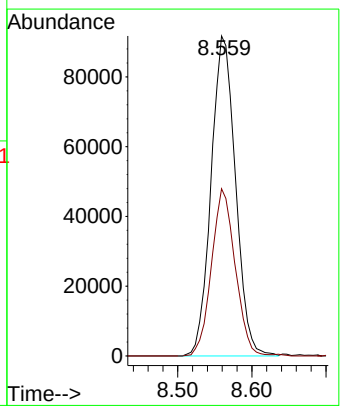


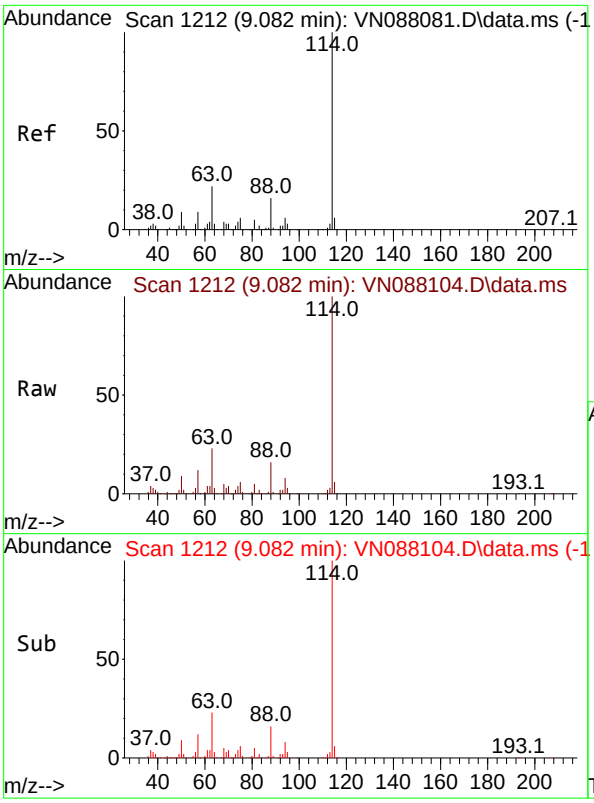




#33
1,2-Dichloroethane-d4
Concen: 61.065 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion: 65 Resp: 209923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 100.0 |



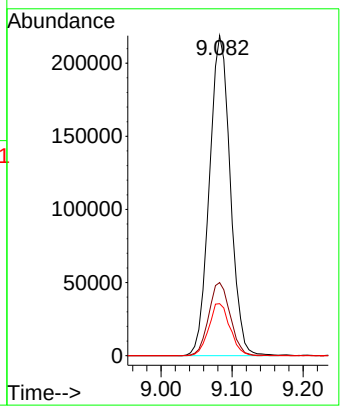


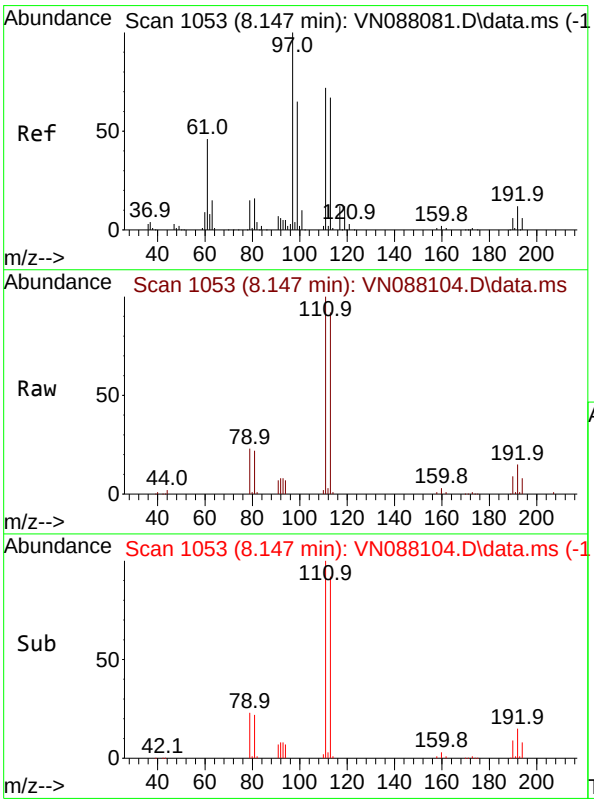

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Tgt Ion:114 Resp: 446179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.8 | 0.0 | 45.2 |
| 88 | 16.3 | 0.0 | 33.4 |

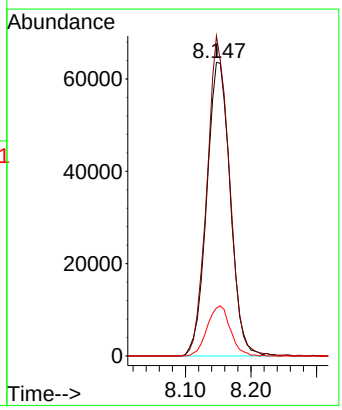


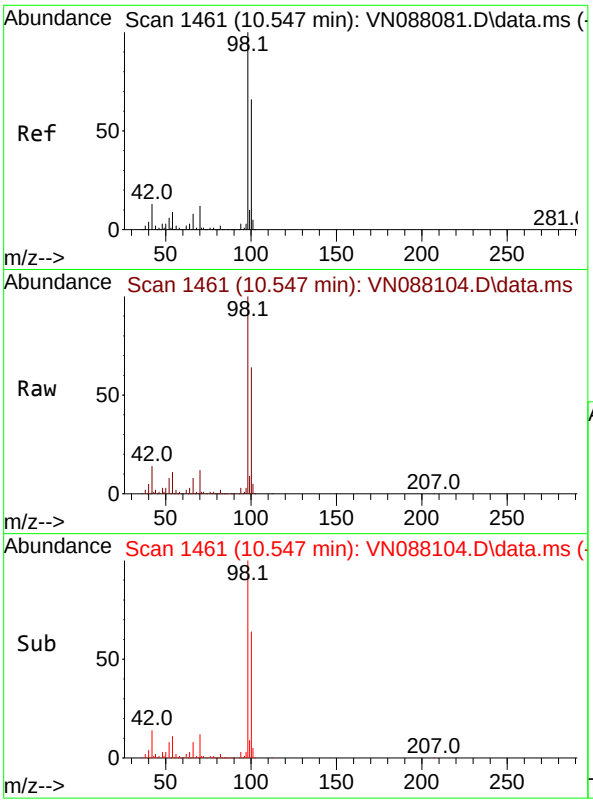




#35
Dibromofluoromethane
Concen: 52.825 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:113 Resp: 158342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.4 | 82.8 | 124.2 |
| 192 | 16.7 | 12.8 | 19.2 |



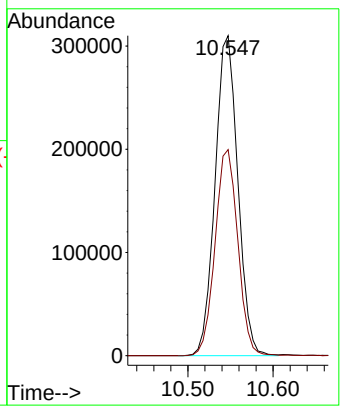


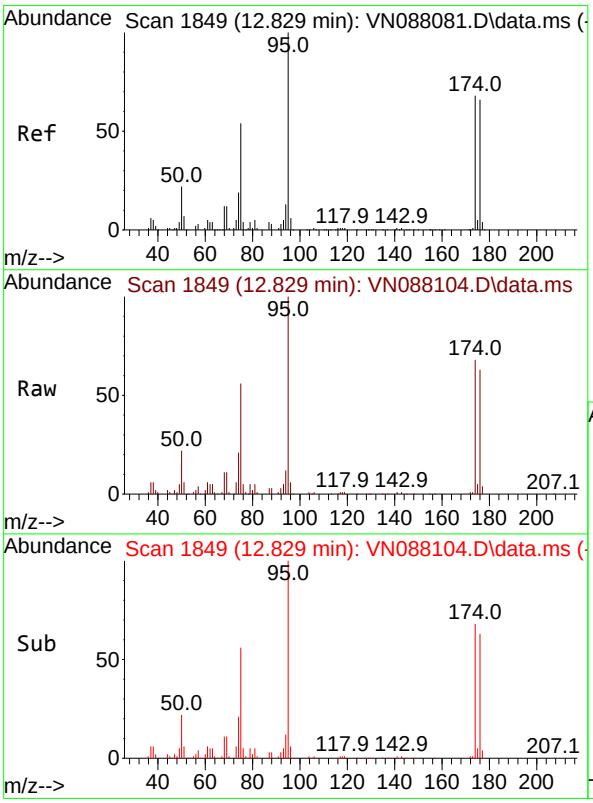

#50
Toluene-d8
Concen: 49.901 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Tgt Ion: 98 Resp: 576347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.8 | 79.2 |

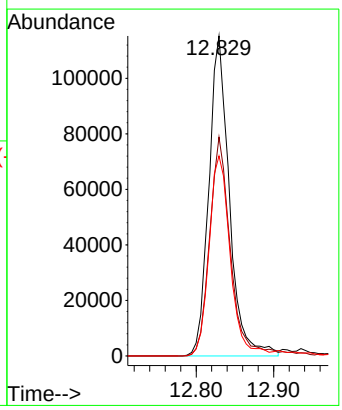


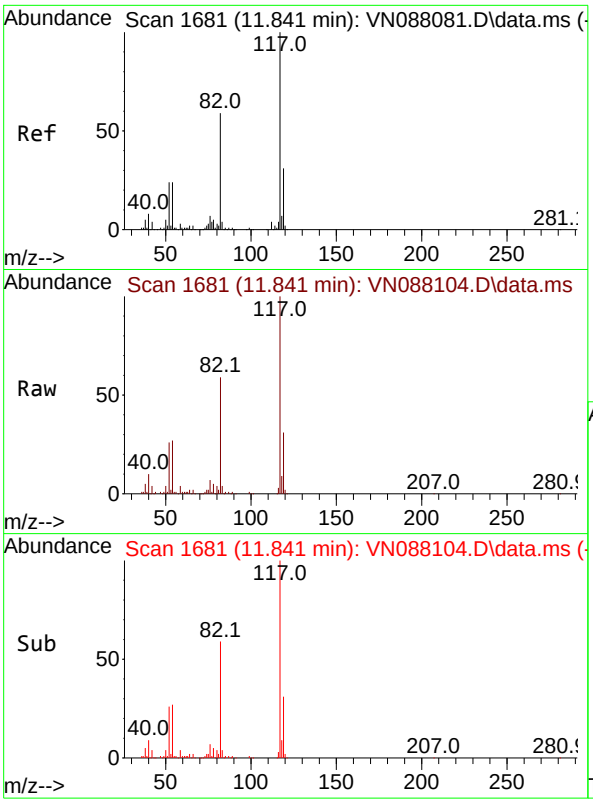




#62
4-Bromofluorobenzene
Concen: 51.945 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion: 95 Resp: 211880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.5 | 0.0 | 138.4 |
| 176 | 64.4 | 0.0 | 132.6 |



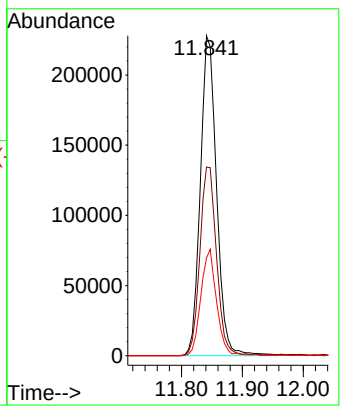


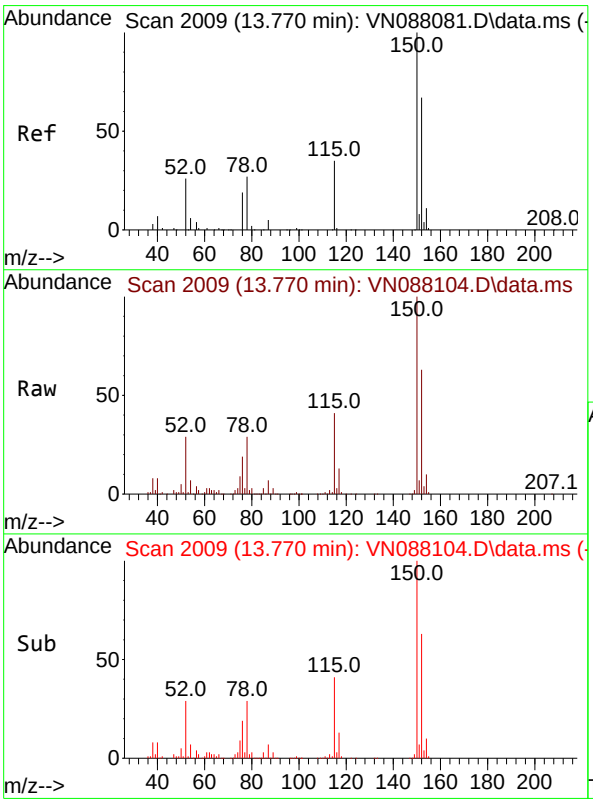

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Tgt Ion:117 Resp: 422679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.0 | 47.4 | 71.2 |
| 119 | 30.5 | 24.3 | 36.5 |

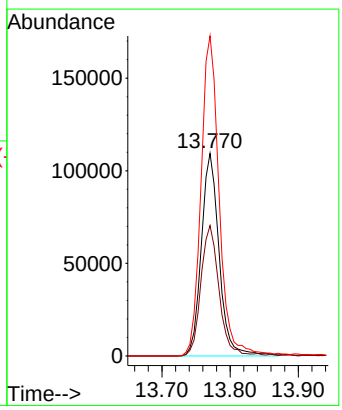



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:152 Resp: 199580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.5 | 32.3 | 96.8 |
| 150 | 160.9 | 0.0 | 351.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

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\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088104.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.430 | 922 | 931 | 940 | rBV | 12366 | 32652 | 2.04% | 0.386% |
| 2 | 8.147 | 1044 | 1053 | 1058 | rBV | 218907 | 537598 | 33.51% | 6.351% |
| 3 | 8.206 | 1058 | 1063 | 1073 | rVB | 294441 | 672817 | 41.94% | 7.948% |
| 4 | 8.559 | 1114 | 1123 | 1136 | rBV | 245979 | 574679 | 35.83% | 6.789% |
| 5 | 9.082 | 1203 | 1212 | 1228 | rBV | 551406 | 1142160 | 71.20% | 13.493% |
| 6 | 10.547 | 1450 | 1461 | 1478 | rBV | 858849 | 1604088 | 100.00% | 18.950% |
| 7 | 11.841 | 1674 | 1681 | 1697 | rBV | 767910 | 1443325 | 89.98% | 17.051% |
| 8 | 12.829 | 1841 | 1849 | 1862 | rBV | 564588 | 1074385 | 66.98% | 12.692% |
| 9 | 13.770 | 2001 | 2009 | 2026 | rBV | 736575 | 1383293 | 86.24% | 16.341% |

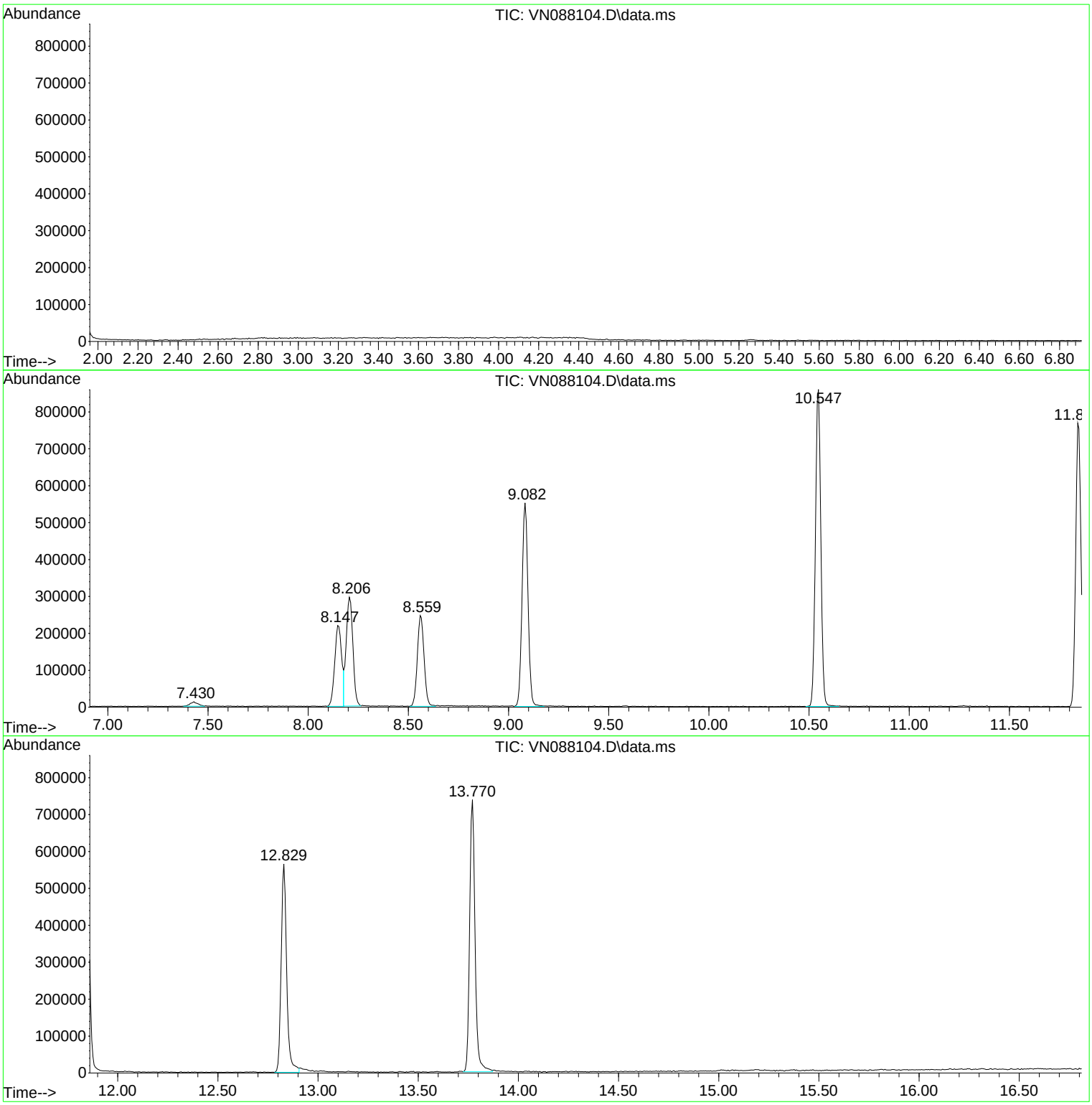
Sum of corrected areas: 8464997

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 300941 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 563874 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 505093 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 256562 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.565 | 65 | 292467 | 56.202 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 112.400% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 201534 | 53.201 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.400% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 745408 | 51.068 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.140% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 271139 | 52.599 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 70657 | 20.814 | ug/l | 97 |
| 3) Chloromethane | 2.383 | 50 | 85119 | 21.314 | ug/l | 98 |
| 4) Vinyl Chloride | 2.536 | 62 | 91995 | 21.142 | ug/l | 100 |
| 5) Bromomethane | 2.983 | 94 | 52750 | 20.268 | ug/l | 100 |
| 6) Chloroethane | 3.142 | 64 | 58867 | 18.777 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 136634 | 19.687 | ug/l | 99 |
| 8) Diethyl Ether | 3.959 | 74 | 52943 | 20.525 | ug/l | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 72457 | 20.232 | ug/l | 97 |
| 10) Methyl Iodide | 4.583 | 142 | 63251 | 20.612 | ug/l | 92 |
| 11) Tert butyl alcohol | 5.524 | 59 | 102660 | 114.510 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.342 | 96 | 72424 | 19.147 | ug/l | 97 |
| 13) Acrolein | 4.183 | 56 | 131856 | 130.754 | ug/l | 99 |
| 14) Allyl chloride | 5.012 | 41 | 135015 | 20.365 | ug/l | 95 |
| 15) Acrylonitrile | 5.712 | 53 | 271724 | 111.268 | ug/l | 100 |
| 16) Acetone | 4.424 | 43 | 272627 | 104.280 | ug/l | 99 |
| 17) Carbon Disulfide | 4.706 | 76 | 228511 | 19.874 | ug/l | 100 |
| 18) Methyl Acetate | 5.024 | 43 | 120917 | 22.592 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 302666 | 21.789 | ug/l | 98 |
| 20) Methylene Chloride | 5.271 | 84 | 94419 | 23.618 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.783 | 96 | 83955 | 20.221 | ug/l | 99 |
| 22) Diisopropyl ether | 6.659 | 45 | 307416 | 22.048 | ug/l | 95 |
| 23) Vinyl Acetate | 6.594 | 43 | 1424145 | 113.392 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 171245 | 22.172 | ug/l | 97 |
| 25) 2-Butanone | 7.471 | 43 | 383491 | 111.307 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 152872 | 21.781 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 101089 | 21.150 | ug/l | 95 |
| 28) Bromochloromethane | 7.794 | 49 | 91201 | 24.991 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.830 | 42 | 252484 | 112.448 | ug/l | 98 |
| 30) Chloroform | 7.947 | 83 | 174874 | 22.664 | ug/l | 98 |
| 31) Cyclohexane | 8.241 | 56 | 153037 | 21.009 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 150009 | 21.829 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 120548 | 21.795 | ug/l | 99 |
| 37) Ethyl Acetate | 7.547 | 43 | 156235 | 21.888 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 127037 | 22.238 | ug/l | 100 |
| 39) Methylcyclohexane | 9.577 | 83 | 141080 | 19.844 | ug/l | 98 |
| 40) Benzene | 8.588 | 78 | 366941 | 21.784 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 83450 | 22.213 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 145750 | 24.352 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.671 | 43 | 249652 | 22.762 | ug/l | | 98 |
| 44) Trichloroethene | 9.335 | 130 | 83048 | 21.093 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 9.606 | 63 | 93135 | 21.901 | ug/l | | 97 |
| 46) Dibromomethane | 9.688 | 93 | 67628 | 22.297 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.865 | 83 | 138182 | 22.756 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.665 | 41 | 116857 | 23.077 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.682 | 88 | 27524 | 437.028 | ug/l | # | 87 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 756352 | 116.567 | ug/l | | 100 |
| 52) Toluene | 10.612 | 92 | 223155 | 21.487 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 141361 | 21.872 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 152892 | 22.294 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 11.000 | 97 | 87269 | 22.149 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.859 | 69 | 134518 | 21.574 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 154575 | 22.319 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 327194 | 100.882 | ug/l | | 99 |
| 59) 2-Hexanone | 11.176 | 43 | 492033 | 114.310 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.335 | 129 | 96318 | 21.507 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 89527 | 22.078 | ug/l | | 98 |
| 64) Tetrachloroethene | 11.082 | 164 | 69633 | 20.900 | ug/l | | 89 |
| 65) Chlorobenzene | 11.871 | 112 | 244731 | 21.338 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 81619 | 21.722 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.941 | 91 | 421252 | 20.925 | ug/l | | 99 |
| 68) m/p-Xylenes | 12.053 | 106 | 317335 | 42.070 | ug/l | | 100 |
| 69) o-Xylene | 12.376 | 106 | 151783 | 21.227 | ug/l | | 99 |
| 70) Styrene | 12.394 | 104 | 254839 | 21.855 | ug/l | | 98 |
| 71) Bromoform | 12.559 | 173 | 61158 | 21.810 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.671 | 105 | 397427 | 20.084 | ug/l | | 100 |
| 74) N-amyl acetate | 12.629 | 43 | 128367m | 22.852 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 132181 | 21.456 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 112443m | 19.169 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 92521 | 21.683 | ug/l | | 97 |
| 78) n-propylbenzene | 13.012 | 91 | 492713 | 20.404 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 294890 | 21.413 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 333799 | 20.311 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 38179 | 18.156 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 303454 | 20.367 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.418 | 119 | 286500 | 19.516 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 339120 | 20.625 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 429310 | 19.904 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 354614 | 20.495 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 177044 | 20.784 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 184081 | 20.120 | ug/l | | 98 |
| 89) n-Butylbenzene | 14.035 | 91 | 344021 | 20.072 | ug/l | | 99 |
| 90) Hexachloroethane | 14.312 | 117 | 66650 | 19.892 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 169616 | 20.657 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 30171 | 21.041 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 15.370 | 180 | 102766 | 20.665 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.470 | 225 | 38748 | 20.924 | ug/l | | 99 |
| 95) Naphthalene | 15.617 | 128 | 338638 | 19.878 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 97739 | 20.498 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

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

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

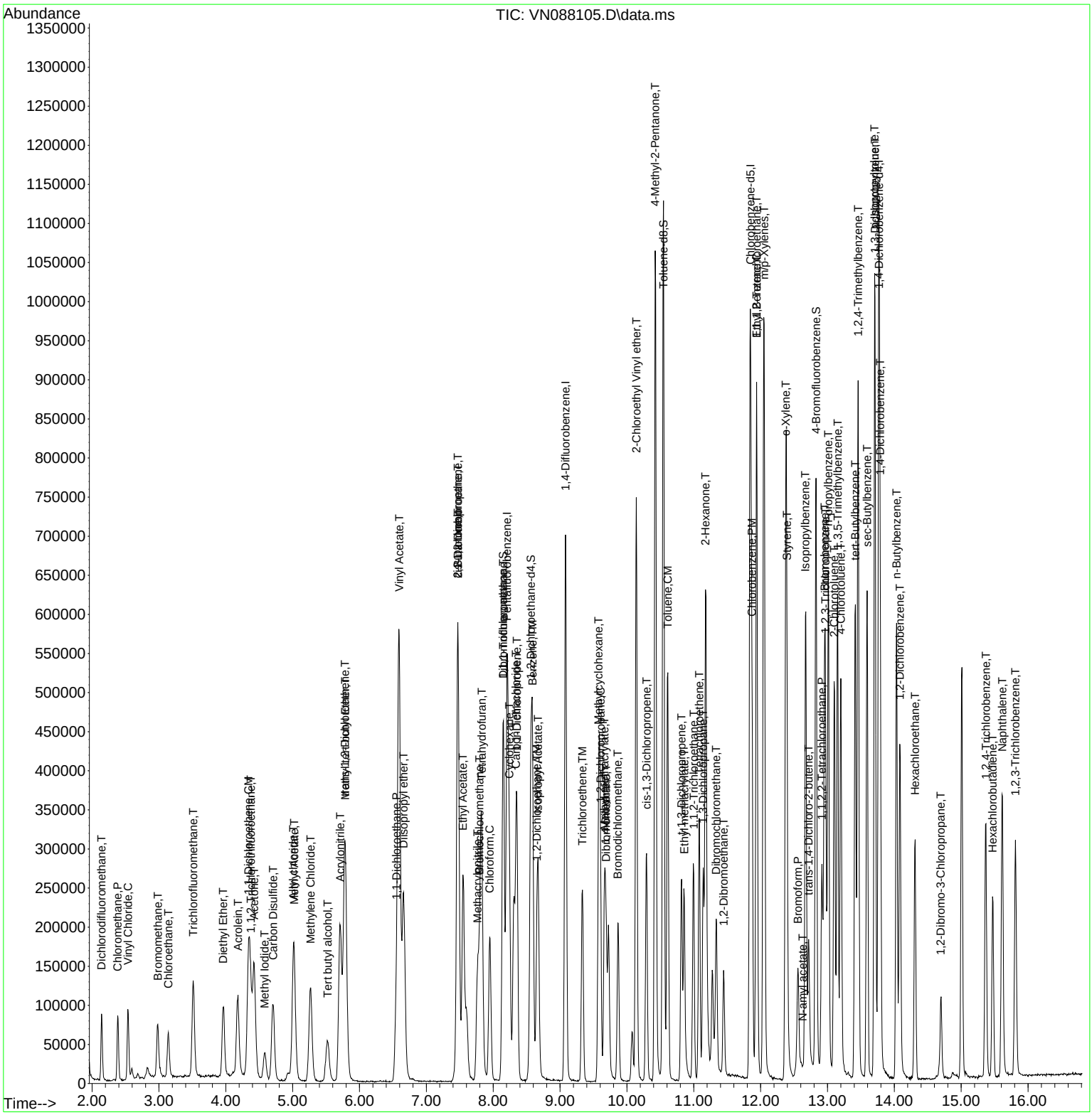
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 293635 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.083 | 114 | 537984 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 482887 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152 | 241641 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 286315 | 56.388 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 112.780% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 191693 | 53.039 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 106.080% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 709565 | 50.952 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.900% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 260025 | 52.870 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.740% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 71261 | 21.515 | ug/l | 100 |
| 3) Chloromethane | 2.383 | 50 | 82410 | 21.149 | ug/l | 94 |
| 4) Vinyl Chloride | 2.536 | 62 | 88801 | 20.915 | ug/l | 99 |
| 5) Bromomethane | 2.983 | 94 | 51246 | 20.180 | ug/l | 97 |
| 6) Chloroethane | 3.142 | 64 | 57847 | 18.911 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.518 | 101 | 132934 | 19.631 | ug/l | 99 |
| 8) Diethyl Ether | 3.959 | 74 | 53161 | 21.123 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 70709 | 20.235 | ug/l | 98 |
| 10) Methyl Iodide | 4.589 | 142 | 66091 | 21.775 | ug/l | 97 |
| 11) Tert butyl alcohol | 5.512 | 59 | 108104 | 123.582 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 69616 | 18.863 | ug/l | 99 |
| 13) Acrolein | 4.177 | 56 | 129096 | 131.202 | ug/l | 99 |
| 14) Allyl chloride | 5.012 | 41 | 135399 | 20.931 | ug/l | 98 |
| 15) Acrylonitrile | 5.712 | 53 | 274230 | 115.088 | ug/l | 97 |
| 16) Acetone | 4.424 | 43 | 266262 | 104.380 | ug/l | 98 |
| 17) Carbon Disulfide | 4.700 | 76 | 223663 | 19.936 | ug/l | 99 |
| 18) Methyl Acetate | 5.018 | 43 | 120505 | 23.075 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.783 | 73 | 295383 | 21.793 | ug/l | 98 |
| 20) Methylene Chloride | 5.265 | 84 | 91370 | 23.430 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 5.777 | 96 | 78762 | 19.442 | ug/l | 98 |
| 22) Diisopropyl ether | 6.659 | 45 | 306895 | 22.558 | ug/l | 95 |
| 23) Vinyl Acetate | 6.589 | 43 | 1414608 | 115.435 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.559 | 63 | 166720 | 22.123 | ug/l | 98 |
| 25) 2-Butanone | 7.471 | 43 | 378924 | 112.718 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 7.477 | 77 | 143368 | 20.935 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.477 | 96 | 97110 | 20.823 | ug/l | 93 |
| 28) Bromochloromethane | 7.800 | 49 | 89712 | 25.194 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 246891 | 112.693 | ug/l | 97 |
| 30) Chloroform | 7.947 | 83 | 165210 | 21.944 | ug/l | 99 |
| 31) Cyclohexane | 8.241 | 56 | 151540 | 21.321 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 144935 | 21.615 | ug/l | 95 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 112263 | 21.273 | ug/l | 98 |
| 37) Ethyl Acetate | 7.547 | 43 | 154256 | 22.651 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.347 | 117 | 118077 | 21.664 | ug/l | 96 |
| 39) Methylcyclohexane | 9.583 | 83 | 138896 | 20.477 | ug/l | 96 |
| 40) Benzene | 8.588 | 78 | 350057 | 21.781 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 77520 | 21.628 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 139879 | 24.496 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.671 | 43 | 244736 | 23.387 | ug/l | | 99 |
| 44) Trichloroethene | 9.335 | 130 | 80145 | 21.335 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 92446 | 22.785 | ug/l | | 97 |
| 46) Dibromomethane | 9.688 | 93 | 69022 | 23.852 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.871 | 83 | 134451 | 23.207 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.665 | 41 | 114540 | 23.708 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.677 | 88 | 30609 | 509.401 | ug/l | # | 93 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 749132 | 121.010 | ug/l | | 100 |
| 52) Toluene | 10.612 | 92 | 213928 | 21.590 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 139103 | 22.559 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 146812 | 22.437 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 83503 | 22.213 | ug/l | | 99 |
| 56) Ethyl methacrylate | 10.859 | 69 | 140931 | 23.690 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 153031 | 23.160 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 325457 | 105.175 | ug/l | | 100 |
| 59) 2-Hexanone | 11.177 | 43 | 497859 | 121.230 | ug/l | | 97 |
| 60) Dibromochloromethane | 11.341 | 129 | 94099 | 22.023 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 87889 | 22.717 | ug/l | | 100 |
| 64) Tetrachloroethene | 11.082 | 164 | 68115 | 21.385 | ug/l | | 97 |
| 65) Chlorobenzene | 11.871 | 112 | 232930 | 21.243 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 80083 | 22.293 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.941 | 91 | 410996 | 21.354 | ug/l | | 100 |
| 68) m/p-Xylenes | 12.047 | 106 | 304906 | 42.281 | ug/l | | 100 |
| 69) o-Xylene | 12.376 | 106 | 146136 | 21.377 | ug/l | | 99 |
| 70) Styrene | 12.388 | 104 | 246549 | 22.117 | ug/l | | 97 |
| 71) Bromoform | 12.559 | 173 | 60938 | 22.731 | ug/l | # | 96 |
| 73) Isopropylbenzene | 12.676 | 105 | 384577 | 20.635 | ug/l | | 100 |
| 74) N-amyl acetate | 12.606 | 43 | 118608m | 22.419 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 129987 | 22.402 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.971 | 75 | 111389m | 20.162 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 90382 | 22.489 | ug/l | | 99 |
| 78) n-propylbenzene | 13.012 | 91 | 477927 | 21.014 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 13.106 | 91 | 285224 | 21.990 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 329515 | 21.289 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 37323 | 18.845 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 294217 | 20.967 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.418 | 119 | 277442 | 20.066 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 328873 | 21.236 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 417041 | 20.529 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 341638 | 20.964 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 172884 | 21.549 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 179380 | 20.817 | ug/l | | 98 |
| 89) n-Butylbenzene | 14.035 | 91 | 337732 | 20.922 | ug/l | | 99 |
| 90) Hexachloroethane | 14.306 | 117 | 63496 | 20.120 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 168164 | 21.745 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 31995 | 23.691 | ug/l | | 90 |
| 93) 1,2,4-Trichlorobenzene | 15.370 | 180 | 100963 | 21.556 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 38434 | 22.036 | ug/l | | 98 |
| 95) Naphthalene | 15.612 | 128 | 337829 | 21.055 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.812 | 180 | 95974 | 21.371 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

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

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

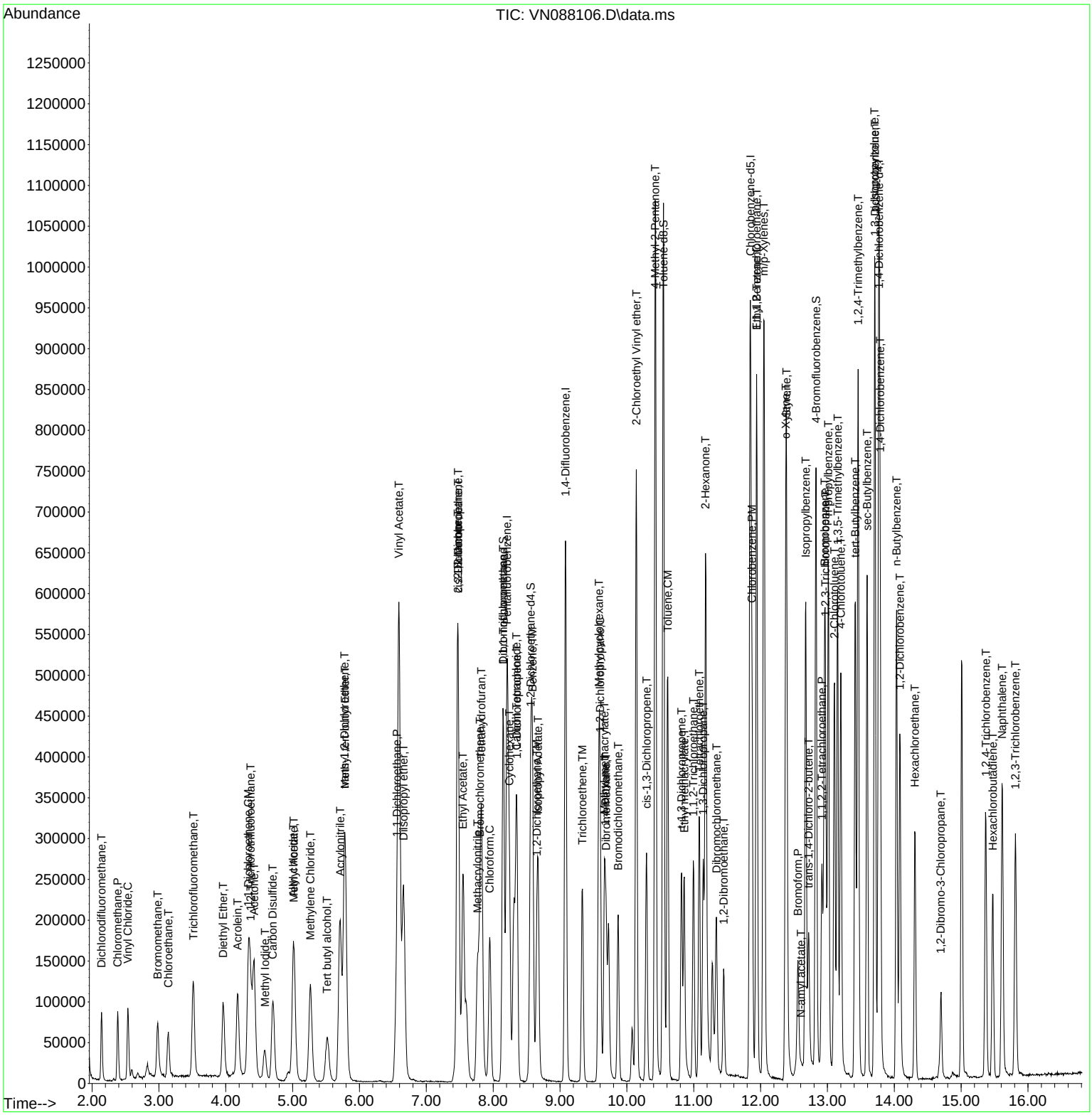
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1027WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



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

# Manual Integration Report

| Sequence: | VN102325 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC001 | VN088078.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | 1,4-Dichlorobenzene | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | 1,4-Dioxane | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | 2-Butanone | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | 2-Hexanone | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | Allyl chloride | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | Ethyl Acetate | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | Ethyl methacrylate | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | Methyl methacrylate | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC001 | VN088078.D | trans-1,2-Dichloroethene | JOHN | 10/24/2025 8:16:14 AM | MMDadoda | 10/27/2025 7:55:28 AM | Peak Integrated by Software |
| VSTDICC005 | VN088079.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:20 AM | MMDadoda | 10/27/2025 7:55:32 AM | Peak Integrated by Software |
| VSTDICC005 | VN088079.D | N-amyl acetate | JOHN | 10/24/2025 8:16:20 AM | MMDadoda | 10/27/2025 7:55:32 AM | Peak Integrated by Software |
| VSTDICC005 | VN088079.D | trans-1,4-Dichloro-2-butene | JOHN | 10/24/2025 8:16:20 AM | MMDadoda | 10/27/2025 7:55:32 AM | Peak Integrated by Software |

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



# Manual Integration Report

| Sequence: | VN102325 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC020 | VN088080.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:24 AM | MMDadoda | 10/27/2025 7:55:36 AM | Peak Integrated by Software |
| VSTDICC020 | VN088080.D | N-amyl acetate | JOHN | 10/24/2025 8:16:24 AM | MMDadoda | 10/27/2025 7:55:36 AM | Peak Integrated by Software |
| VSTDICCC050 | VN088081.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:29 AM | MMDadoda | 10/27/2025 7:55:41 AM | Peak Integrated by Software |
| VSTDICCC050 | VN088081.D | N-amyl acetate | JOHN | 10/24/2025 8:16:29 AM | MMDadoda | 10/27/2025 7:55:41 AM | Peak Integrated by Software |
| VSTDICC100 | VN088082.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:34 AM | MMDadoda | 10/27/2025 7:55:57 AM | Peak Integrated by Software |
| VSTDICC150 | VN088083.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:39 AM | MMDadoda | 10/27/2025 7:55:46 AM | Peak Integrated by Software |
| VSTDICV050 | VN088085.D | 1,2,3-Trichloropropane | JOHN | 10/24/2025 8:16:44 AM | MMDadoda | 10/27/2025 7:55:49 AM | Peak Integrated by Software |

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



# Manual Integration Report

| Sequence: | VN102725 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VN088102.D | 1,2,3-Trichloropropane | JOHN | 10/28/2025 7:58:22 AM | sam | 10/28/2025 1:18:56 PM | Peak Integrated by Software |
| VSTDCCC050 | VN088102.D | N-amyl acetate | JOHN | 10/28/2025 7:58:22 AM | sam | 10/28/2025 1:18:56 PM | Peak Integrated by Software |
| VN1027WBS01 | VN088105.D | 1,2,3-Trichloropropane | JOHN | 10/28/2025 7:58:27 AM | sam | 10/28/2025 1:19:00 PM | Peak Integrated by Software |
| VN1027WBS01 | VN088105.D | N-amyl acetate | JOHN | 10/28/2025 7:58:27 AM | sam | 10/28/2025 1:19:00 PM | Peak Integrated by Software |
| VN1027WBSD01 | VN088106.D | 1,2,3-Trichloropropane | JOHN | 10/28/2025 7:58:31 AM | sam | 10/28/2025 1:19:28 PM | Peak Integrated by Software |
| VN1027WBSD01 | VN088106.D | N-amyl acetate | JOHN | 10/28/2025 7:58:31 AM | sam | 10/28/2025 1:19:28 PM | Peak Integrated by Software |
| VSTDCCC050 | VN088125.D | 1,2,3-Trichloropropane | JOHN | 10/28/2025 7:59:11 AM | sam | 10/28/2025 1:19:10 PM | Peak Integrated by Software |
| VSTDCCC050 | VN088125.D | N-amyl acetate | JOHN | 10/28/2025 7:59:11 AM | sam | 10/28/2025 1:19:10 PM | Peak Integrated by Software |

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 # VN102325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/24/2025 8:16:57 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 10/27/2025 2:53:14 PM | | |
| SubDirectory | VN102325 | HP Acquire Method | | HP Processing Method | 82N102325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135909 |
| Initial Calibration Stds | VP135921,VP135922,VP135923,VP135924,VP135925,VP135926 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP135927 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VN088077.D | 23 Oct 2025 09:09 | JC\MD | Ok |
| 2 | VSTDICC001 | VN088078.D | 23 Oct 2025 09:42 | JC\MD | Ok,M |
| 3 | VSTDICC005 | VN088079.D | 23 Oct 2025 10:38 | JC\MD | Ok,M |
| 4 | VSTDICC020 | VN088080.D | 23 Oct 2025 10:59 | JC\MD | Ok,M |
| 5 | VSTDICCC050 | VN088081.D | 23 Oct 2025 11:20 | JC\MD | Ok,M |
| 6 | VSTDICC100 | VN088082.D | 23 Oct 2025 11:41 | JC\MD | Ok,M |
| 7 | VSTDICC150 | VN088083.D | 23 Oct 2025 12:02 | JC\MD | Ok,M |
| 8 | IBLK | VN088084.D | 23 Oct 2025 12:23 | JC\MD | Ok |
| 9 | VSTDICV050 | VN088085.D | 23 Oct 2025 14:54 | 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 # VN102725

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/28/2025 8:12:39 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/28/2025 1:20:10 PM | | |
| SubDirectory | VN102725 | HP Acquire Method | | HP Processing Method | 82N102325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135937 |
| Initial Calibration Stds | |
| CCC | VP135938,VP135939 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VN088101.D | 27 Oct 2025 09:58 | JC\MD | Ok |
| 2 | VSTDCCC050 | VN088102.D | 27 Oct 2025 10:40 | JC\MD | Ok,M |
| 3 | VN1027MBL01 | VN088103.D | 27 Oct 2025 11:14 | JC\MD | Ok |
| 4 | VN1027WBL01 | VN088104.D | 27 Oct 2025 11:34 | JC\MD | Ok |
| 5 | VN1027WBS01 | VN088105.D | 27 Oct 2025 11:55 | JC\MD | Ok,M |
| 6 | VN1027WBSD01 | VN088106.D | 27 Oct 2025 12:29 | JC\MD | Ok,M |
| 7 | Q3454-01 | VN088107.D | 27 Oct 2025 12:50 | JC\MD | Ok |
| 8 | Q3464-01 | VN088108.D | 27 Oct 2025 13:10 | JC\MD | Ok |
| 9 | Q3464-02 | VN088109.D | 27 Oct 2025 13:31 | JC\MD | Ok |
| 10 | PB170240TB | VN088110.D | 27 Oct 2025 13:52 | JC\MD | Ok |
| 11 | Q3449-06 | VN088111.D | 27 Oct 2025 14:13 | JC\MD | Ok |
| 12 | Q3439-04 | VN088112.D | 27 Oct 2025 14:34 | JC\MD | Ok,M |
| 13 | Q3439-08 | VN088113.D | 27 Oct 2025 14:54 | JC\MD | Ok |
| 14 | Q3440-04 | VN088114.D | 27 Oct 2025 15:15 | JC\MD | Ok,M |
| 15 | Q3451-04 | VN088115.D | 27 Oct 2025 15:36 | JC\MD | Ok |
| 16 | Q3451-08 | VN088116.D | 27 Oct 2025 15:56 | JC\MD | Ok |
| 17 | Q3452-04 | VN088117.D | 27 Oct 2025 16:17 | JC\MD | Ok |
| 18 | Q3426-02 | VN088118.D | 27 Oct 2025 16:37 | JC\MD | Ok |
| 19 | Q3426-03 | VN088119.D | 27 Oct 2025 16:58 | JC\MD | Ok,M |
| 20 | Q3426-04 | VN088120.D | 27 Oct 2025 17:19 | JC\MD | Ok |
| 21 | Q3426-01 | VN088121.D | 27 Oct 2025 17:39 | JC\MD | Dilution |

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**Instrument ID: MSVOA_N**

## Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/28/2025 8:12:39 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/28/2025 1:20:10 PM | | |
| SubDirectory | VN102725 | HP Acquire Method | | HP Processing Method | 82N102325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135937 |
| Initial Calibration Stds | |
| CCC | VP135938,VP135939 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q3468-01 | VN088122.D | 27 Oct 2025 18:00 | JC\MD | ReRun |
| 23 | Q3468-03 | VN088123.D | 27 Oct 2025 18:21 | JC\MD | Not Ok |
| 24 | Q3468-04 | VN088124.D | 27 Oct 2025 18:41 | JC\MD | Ok |
| 25 | VSTDCCC050 | VN088125.D | 27 Oct 2025 19:22 | JC\MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN102325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/24/2025 8:16:57 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 10/27/2025 2:53:14 PM | | |
| SubDirectory | VN102325 | HP Acquire Method | | HP Processing Method | 82N102325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135909 |
| Initial Calibration Stds | VP135921,VP135922,VP135923,VP135924,VP135925,VP135926 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP135927 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VN088077.D | 23 Oct 2025 09:09 | | JC\MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VN088078.D | 23 Oct 2025 09:42 | COM.#74 Peak not detected in 1PPB | JC\MD | Ok,M |
| 3 | VSTDICC005 | VSTDICC005 | VN088079.D | 23 Oct 2025 10:38 | | JC\MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VN088080.D | 23 Oct 2025 10:59 | | JC\MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VN088081.D | 23 Oct 2025 11:20 | Method failed for Comp. #74 | JC\MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VN088082.D | 23 Oct 2025 11:41 | | JC\MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VN088083.D | 23 Oct 2025 12:02 | | JC\MD | Ok,M |
| 8 | IBLK | IBLK | VN088084.D | 23 Oct 2025 12:23 | | JC\MD | Ok |
| 9 | VSTDICV050 | ICVVN102325 | VN088085.D | 23 Oct 2025 14:54 | | JC\MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/28/2025 8:12:39 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/28/2025 1:20:10 PM | | |
| SubDirectory | VN102725 | HP Acquire Method | | HP Processing Method | 82N102325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135937 |
| Initial Calibration Stds | |
| CCC | VP135938,VP135939 |
| 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 | VN088101.D | 27 Oct 2025 09:58 | | JC\MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VN088102.D | 27 Oct 2025 10:40 | pH#Lot#V12668 | JC\MD | Ok,M |
| 3 | VN1027MBL01 | VN1027MBL01 | VN088103.D | 27 Oct 2025 11:14 | | JC\MD | Ok |
| 4 | VN1027WBL01 | VN1027WBL01 | VN088104.D | 27 Oct 2025 11:34 | | JC\MD | Ok |
| 5 | VN1027WBS01 | VN1027WBS01 | VN088105.D | 27 Oct 2025 11:55 | BS Failed High For Com.#30,47 | JC\MD | Ok,M |
| 6 | VN1027WBSD01 | VN1027WBSD01 | VN088106.D | 27 Oct 2025 12:29 | BSD Failed High For Comp.#47 | JC\MD | Ok,M |
| 7 | Q3454-01 | 101625 | VN088107.D | 27 Oct 2025 12:50 | vial A pH<2 foamy sample | JC\MD | Ok |
| 8 | Q3464-01 | MW2 | VN088108.D | 27 Oct 2025 13:10 | vial B pH<2 | JC\MD | Ok |
| 9 | Q3464-02 | MW3 | VN088109.D | 27 Oct 2025 13:31 | vial B pH<2 | JC\MD | Ok |
| 10 | PB170240TB | PB170240TB | VN088110.D | 27 Oct 2025 13:52 | | JC\MD | Ok |
| 11 | Q3449-06 | CF-620-COMP-41 | VN088111.D | 27 Oct 2025 14:13 | vial A pH#5.0 | JC\MD | Ok |
| 12 | Q3439-04 | TP-9 | VN088112.D | 27 Oct 2025 14:34 | vial A pH#5.0 | JC\MD | Ok,M |
| 13 | Q3439-08 | TP-10 | VN088113.D | 27 Oct 2025 14:54 | vial A pH#5.0 | JC\MD | Ok |
| 14 | Q3440-04 | JB-2 | VN088114.D | 27 Oct 2025 15:15 | vial A pH#5.0 | JC\MD | Ok,M |
| 15 | Q3451-04 | TP-11 | VN088115.D | 27 Oct 2025 15:36 | vial A pH#5.0 | JC\MD | Ok |
| 16 | Q3451-08 | TP-12 | VN088116.D | 27 Oct 2025 15:56 | vial A pH#5.0 | JC\MD | Ok |
| 17 | Q3452-04 | JB-1 | VN088117.D | 27 Oct 2025 16:17 | vial A pH#5.0 | JC\MD | Ok |
| 18 | Q3426-02 | TWP3 | VN088118.D | 27 Oct 2025 16:37 | vial A pH<2 | JC\MD | Ok |

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**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 10/28/2025 8:12:39 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 10/28/2025 1:20:10 PM | | |
| SubDirectory | VN102725 | HP Acquire Method | | HP Processing Method | 82N102325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135937 |
| Initial Calibration Stds | |
| CCC | VP135938,VP135939 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3426-03 | TWP5 | VN088119.D | 27 Oct 2025 16:58 | vial A pH<2 | JC\MD | Ok,M |
| 20 | Q3426-04 | MW2 | VN088120.D | 27 Oct 2025 17:19 | vial A pH<2 | JC\MD | Ok |
| 21 | Q3426-01 | TWP2 | VN088121.D | 27 Oct 2025 17:39 | vial A pH<2 Surrogate Fail;Need 5X Dilution | JC\MD | Dilution |
| 22 | Q3468-01 | MW-06 | VN088122.D | 27 Oct 2025 18:00 | vial A pH<2 E flag of previous sample | JC\MD | ReRun |
| 23 | Q3468-03 | MW-10 | VN088123.D | 27 Oct 2025 18:21 | vial A pH<2 Confirm Concentration | JC\MD | Not Ok |
| 24 | Q3468-04 | MW-11 | VN088124.D | 27 Oct 2025 18:41 | vial A pH<2 | JC\MD | Ok |
| 25 | VSTDCCC050 | VSTDCCC050EC | VN088125.D | 27 Oct 2025 19:22 | | JC\MD | Ok,M |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3464 | **OrderDate:** | 10/24/2025 2:03:00 PM |
| **Client:** | G Environmental | **Project:** | Buffington |
| **Contact:** | Gary Landis | **Location:** | J51,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3464-01** | **MW2** | **Water** | | | **10/24/25** | | | **10/24/25** |
| | | | VOCMS Group1 | 8260-Low | | | 10/27/25 | |
| **Q3464-02** | **MW3** | **Water** | | | **10/24/25** | | | **10/24/25** |
| | | | VOCMS Group1 | 8260-Low | | | 10/27/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3464 **Order ID:** Q3464

**Client:** G Environmental **Project ID:** Buffington

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : MW2** | | | | | | | | |
| Q3464-01 | MW2 | Water | Iron | 3440 | | 11.7 | 50.0 | ug/L |
| Q3464-01 | MW2 | Water | Manganese | 1090 | | 2.97 | 10.0 | ug/L |
| Q3464-01 | MW2 | Water | Sodium | 318000 | | 434 | 1000 | ug/L |
| **Client ID : MW3** | | | | | | | | |
| Q3464-02 | MW3 | Water | Iron | 11500 | | 11.7 | 50.0 | ug/L |
| Q3464-02 | MW3 | Water | Manganese | 608 | | 2.97 | 10.0 | ug/L |
| Q3464-02 | MW3 | Water | Sodium | 228000 | | 434 | 1000 | ug/L |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW2 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-01 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron | 3440 | | 1 | 11.7 | 50.0 | ug/L | 10/27/25 10:45 | 10/29/25 16:45 | 6010D | SW3010 |
| 7439-96-5 | Manganese | 1090 | | 1 | 2.97 | 10.0 | ug/L | 10/27/25 10:45 | 10/29/25 16:45 | 6010D | SW3010 |
| 7440-23-5 | Sodium | 318000 | | 1 | 434 | 1000 | ug/L | 10/27/25 10:45 | 10/29/25 16:45 | 6010D | SW3010 |

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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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW3 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-02 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-89-6 | Iron | 11500 | | 1 | 11.7 | 50.0 | ug/L | 10/27/25 10:45 | 10/29/25 16:33 | 6010D | SW3010 |
| 7439-96-5 | Manganese | 608 | | 1 | 2.97 | 10.0 | ug/L | 10/27/25 10:45 | 10/29/25 16:33 | 6010D | SW3010 |
| 7440-23-5 | Sodium | 228000 | | 1 | 434 | 1000 | ug/L | 10/27/25 10:45 | 10/29/25 16:33 | 6010D | SW3010 |

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

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

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Iron | 23.4 | +/-50 | U | 100 | P | 10/29/2025 | 14:12 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 14:12 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 14:12 | LB137697 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Iron | 23.4 | +/-50 | U | 100 | P | 10/29/2025 | 14:41 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 14:41 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 14:41 | LB137697 |
| **CCB02** | Iron | 23.4 | +/-50 | U | 100 | P | 10/29/2025 | 15:48 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 15:48 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 15:48 | LB137697 |
| **CCB03** | Iron | 29.0 | +/-50 | J | 100 | P | 10/29/2025 | 16:41 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 16:41 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 16:41 | LB137697 |
| **CCB04** | Iron | 23.4 | +/-50 | U | 100 | P | 10/29/2025 | 17:31 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 17:31 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 17:31 | LB137697 |
| **CCB05** | Iron | 23.4 | +/-50 | U | 100 | P | 10/29/2025 | 18:07 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 18:07 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 18:07 | LB137697 |
| **CCB06** | Iron | 23.4 | +/-50 | U | 100 | P | 10/29/2025 | 19:04 | LB137697 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 10/29/2025 | 19:04 | LB137697 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 10/29/2025 | 19:04 | LB137697 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q3464

**Instrument:** P4

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB170264BL** | | **WATER** | | **Batch Number:** | **PB170264** | | **Prep Date:** | **10/27/2025** | |
| | Iron | 11.7 | <25 | U | 50.0 | P | 10/29/2025 | 16:16 | LB137697 |
| | Manganese | 2.97 | <5 | U | 10.0 | P | 10/29/2025 | 16:16 | LB137697 |
| | Sodium | 434 | <500 | U | 1000 | P | 10/29/2025 | 16:16 | LB137697 |

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICV01 | Iron | 3790 | 4000 | 95 | 90 - 110 | P | 10/29/2025 | 14:01 | LB137697 |
| | Manganese | 1870 | 2000 | 93 | 90 - 110 | P | 10/29/2025 | 14:01 | LB137697 |
| | Sodium | 18800 | 20000 | 94 | 90 - 110 | P | 10/29/2025 | 14:01 | LB137697 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| LLICV01 | Iron | 107 | 100 | 107 | 80 - 120 | P | 10/29/2025 | 14:07 | LB137697 |
| | Manganese | 21.1 | 20.0 | 105 | 80 - 120 | P | 10/29/2025 | 14:07 | LB137697 |
| | Sodium | 2010 | 2000 | 100 | 80 - 120 | P | 10/29/2025 | 14:07 | LB137697 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV01 | Iron | 4870 | 5000 | 97 | 90 - 110 | P | 10/29/2025 | 14:37 | LB137697 |
| | Manganese | 2460 | 2500 | 98 | 90 - 110 | P | 10/29/2025 | 14:37 | LB137697 |
| | Sodium | 24400 | 25000 | 98 | 90 - 110 | P | 10/29/2025 | 14:37 | LB137697 |
| CCV02 | Iron | 4870 | 5000 | 98 | 90 - 110 | P | 10/29/2025 | 15:43 | LB137697 |
| | Manganese | 2390 | 2500 | 96 | 90 - 110 | P | 10/29/2025 | 15:43 | LB137697 |
| | Sodium | 23900 | 25000 | 96 | 90 - 110 | P | 10/29/2025 | 15:43 | LB137697 |
| CCV03 | Iron | 5080 | 5000 | 102 | 90 - 110 | P | 10/29/2025 | 16:37 | LB137697 |
| | Manganese | 2470 | 2500 | 99 | 90 - 110 | P | 10/29/2025 | 16:37 | LB137697 |
| | Sodium | 25300 | 25000 | 101 | 90 - 110 | P | 10/29/2025 | 16:37 | LB137697 |
| CCV04 | Iron | 4700 | 5000 | 94 | 90 - 110 | P | 10/29/2025 | 17:27 | LB137697 |
| | Manganese | 2460 | 2500 | 99 | 90 - 110 | P | 10/29/2025 | 17:27 | LB137697 |
| | Sodium | 23700 | 25000 | 95 | 90 - 110 | P | 10/29/2025 | 17:27 | LB137697 |
| CCV05 | Iron | 4780 | 5000 | 96 | 90 - 110 | P | 10/29/2025 | 18:03 | LB137697 |
| | Manganese | 2440 | 2500 | 98 | 90 - 110 | P | 10/29/2025 | 18:03 | LB137697 |
| | Sodium | 23200 | 25000 | 93 | 90 - 110 | P | 10/29/2025 | 18:03 | LB137697 |
| CCV06 | Iron | 4860 | 5000 | 97 | 90 - 110 | P | 10/29/2025 | 18:55 | LB137697 |
| | Manganese | 2460 | 2500 | 98 | 90 - 110 | P | 10/29/2025 | 18:55 | LB137697 |
| | Sodium | 26300 | 25000 | 105 | 90 - 110 | P | 10/29/2025 | 18:55 | LB137697 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Initial Calibration Source:**

**Continuing Calibration Source:**

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CRI01 | Iron | 98.0 | 100 | 98 | 65 - 135 | P | 10/29/2025 | 14:16 | LB137697 |
| | Manganese | 22.0 | 20.0 | 110 | 65 - 135 | P | 10/29/2025 | 14:16 | LB137697 |
| | Sodium | 1940 | 2000 | 97 | 65 - 135 | P | 10/29/2025 | 14:16 | LB137697 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

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

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSA01** | Iron | 95000 | 101000 | 94 | 85600 | 116500 | 10/29/2025 | 14:21 | LB137697 |
| | Manganese | 7.78 | 7.0 | 111 | -13 | 27 | 10/29/2025 | 14:21 | LB137697 |
| | Sodium | 125 | | | 0 | 0 | 10/29/2025 | 14:21 | LB137697 |
| **ICSAB01** | Iron | 94700 | 99300 | 95 | 84400 | 114500 | 10/29/2025 | 14:25 | LB137697 |
| | Manganese | 479 | 507 | 94 | 430 | 584 | 10/29/2025 | 14:25 | LB137697 |
| | Sodium | 95.8 | | | 0 | 0 | 10/29/2025 | 14:25 | LB137697 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q3464

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q3464-01 **client id:** MW2MS

**Percent Solids for Sample:** NA **Spiked ID:** Q3464-01MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | ug/L | 75 - 125 | 4720 | | 3440 | | 1500 | 85 | | P |
| Manganese | ug/L | 75 - 125 | 1170 | | 1090 | | 100 | 84 | | P |
| Sodium | ug/L | 75 - 125 | 306000 | | 318000 | | 1500 | -806 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q3464

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q3464-01 **client id:** MW2MSD

**Percent Solids for Sample:** NA **Spiked ID:** Q3464-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | ug/L | 75 - 125 | 4940 | | 3440 | | 1500 | 100 | | P |
| Manganese | ug/L | 75 - 125 | 1240 | | 1090 | | 100 | 153 | | P |
| Sodium | ug/L | 75 - 125 | 315000 | | 318000 | | 1500 | -225 | | P |

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# Metals
## - 5b -

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** **Level:** LOW **Client ID:**

**Sample ID:** **Spiked ID:**

| Analyte | Units | Acceptance Limit %R | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q3464-01 **Client ID:** MW2DUP

**Percent Solids for Sample:** NA **Duplicate ID** Q3464-01DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Iron | ug/L | 20 | 3440 | | 3400 | | 1 | | P |
| Manganese | ug/L | 20 | 1090 | | 1080 | | 1 | | P |
| Sodium | ug/L | 20 | 318000 | | 315000 | | 1 | | 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

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q3464-01MS **Client ID:** MW2MSD

**Percent Solids for Sample:** NA **Duplicate ID** Q3464-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Iron | ug/L | 20 | 4720 | | 4940 | | 5 | | P |
| Manganese | ug/L | 20 | 1170 | | 1240 | | 6 | | P |
| Sodium | ug/L | 20 | 306000 | | 315000 | | 3 | | 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.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB170264BS | | | | | | | |
| Iron | ug/L | 1500 | 1450 | | 97 | 80 - 120 | P |
| Manganese | ug/L | 100 | 97.0 | | 97 | 80 - 120 | P |
| Sodium | ug/L | 1500 | 1390 | | 93 | 80 - 120 | P |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

MW2L

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb137697 **Lab Sample ID :** Q3464-01L **SDG No.:** Q3464

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Iron | 3440 | | 3320 | | 4 | | P |
| Manganese | 1090 | | 1120 | | 3 | | P |
| Sodium | 318000 | | 304000 | | 5 | | P |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q3464

**Instrument id number:** **Method:** **Run number:** LB137697

**Start date:** 10/29/2025 **End date:** 10/29/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1336 | Fe,Mn,Na |
| S1 | S1 | 1 | 1340 | Fe,Mn,Na |
| S2 | S2 | 1 | 1344 | Fe,Mn,Na |
| S3 | S3 | 1 | 1349 | Fe,Mn,Na |
| S4 | S4 | 1 | 1353 | Fe,Mn,Na |
| S5 | S5 | 1 | 1357 | Fe,Mn,Na |
| ICV01 | ICV01 | 1 | 1401 | Fe,Mn,Na |
| LLICV01 | LLICV01 | 1 | 1407 | Fe,Mn,Na |
| ICB01 | ICB01 | 1 | 1412 | Fe,Mn,Na |
| CRI01 | CRI01 | 1 | 1416 | Fe,Mn,Na |
| ICSA01 | ICSA01 | 1 | 1421 | Fe,Mn,Na |
| ICSAB01 | ICSAB01 | 1 | 1425 | Fe,Mn,Na |
| CCV01 | CCV01 | 1 | 1437 | Fe,Mn,Na |
| CCB01 | CCB01 | 1 | 1441 | Fe,Mn,Na |
| CCV02 | CCV02 | 1 | 1543 | Fe,Mn,Na |
| CCB02 | CCB02 | 1 | 1548 | Fe,Mn,Na |
| PB170264BL | PB170264BL | 1 | 1616 | Fe,Mn,Na |
| PB170264BS | PB170264BS | 1 | 1624 | Fe,Mn,Na |
| Q3464-02 | MW3 | 1 | 1633 | Fe,Mn,Na |
| CCV03 | CCV03 | 1 | 1637 | Fe,Mn,Na |
| CCB03 | CCB03 | 1 | 1641 | Fe,Mn,Na |
| Q3464-01 | MW2 | 1 | 1645 | Fe,Mn,Na |
| Q3464-01DUP | MW2DUP | 1 | 1650 | Fe,Mn,Na |
| Q3464-01L | MW2L | 5 | 1654 | Fe,Mn,Na |
| Q3464-01MS | MW2MS | 1 | 1658 | Fe,Mn,Na |
| Q3464-01MSD | MW2MSD | 1 | 1702 | Fe,Mn,Na |
| CCV04 | CCV04 | 1 | 1727 | Fe,Mn,Na |
| CCB04 | CCB04 | 1 | 1731 | Fe,Mn,Na |
| CCV05 | CCV05 | 1 | 1803 | Fe,Mn,Na |
| CCB05 | CCB05 | 1 | 1807 | Fe,Mn,Na |
| CCV06 | CCV06 | 1 | 1855 | Fe,Mn,Na |
| CCB06 | CCB06 | 1 | 1904 | Fe,Mn,Na |

# METAL PREPARATION & INSTRUMENT DATA

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Al | Ca | Fe | Mg | Ag |
|---|---|---|---|---|---|---|
| Iron | 240.488 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: As | Ba | Be | Cd | Co |
|---|---|---|---|---|---|---|
| Iron | 240.488 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0039600 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Cr | Cu | K | Mn | Mo |
|---|---|---|---|---|---|---|
| Iron | 240.488 | 0.0000000 | 0.0000000 | 0.0000730 | 0.0000000 | -0.0015250 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Na | Ni | Pb | Sb | Se |
|---|---|---|---|---|---|---|
| Iron | 240.488 | 0.0000000 | -0.0017000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Sn | Ti | Tl | V | Zn |
|---|---|---|---|---|---|---|
| Iron | 240.488 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3464 | **OrderDate:** | 10/24/2025 2:03:00 PM |
| **Client:** | G Environmental | **Project:** | Buffington |
| **Contact:** | Gary Landis | **Location:** | J51,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3464-01** | **MW2** | **Water** | | | **10/24/25** | | | **10/24/25** |
| | | | Metals Group4 | 6010D | | 10/27/25 | 10/29/25 | |
| **Q3464-02** | **MW3** | **Water** | | | **10/24/25** | | | **10/24/25** |
| | | | Metals Group4 | 6010D | | 10/27/25 | 10/29/25 | |

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q3464

**Contract:** GENV01 **Lab Code:** ACE **Method:**

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB170264** | | | | | | |
| PB170264BL | PB170264BL | MB | WATER | 10/27/2025 | 50.0 | 25.0 | |
| PB170264BS | PB170264BS | LCS | WATER | 10/27/2025 | 50.0 | 25.0 | |
| Q3464-01 | MW2 | SAM | WATER | 10/27/2025 | 50.0 | 25.0 | |
| Q3464-01DUP | MW2DUP | DUP | WATER | 10/27/2025 | 50.0 | 25.0 | |
| Q3464-01MS | MW2MS | MS | WATER | 10/27/2025 | 50.0 | 25.0 | |
| Q3464-01MSD | MW2MSD | MSD | WATER | 10/27/2025 | 50.0 | 25.0 | |
| Q3464-02 | MW3 | SAM | WATER | 10/27/2025 | 50.0 | 25.0 | |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 10/31/2025 10:49:23 AM |
| Supervise By | Jaswal | Supervise On | 11/03/2025 11:11:21 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 10/29/25 13:36 | | Jaswal | OK |
| 2 | S1 | S1 | CAL2 | 10/29/25 13:40 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 10/29/25 13:44 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 10/29/25 13:49 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 10/29/25 13:53 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 10/29/25 13:57 | | Jaswal | OK |
| 7 | ICV01 | ICV01 | ICV | 10/29/25 14:01 | | Jaswal | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 10/29/25 14:07 | | Jaswal | OK |
| 9 | ICB01 | ICB01 | ICB | 10/29/25 14:12 | | Jaswal | OK |
| 10 | CRI01 | CRI01 | CRDL | 10/29/25 14:16 | | Jaswal | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 10/29/25 14:21 | | Jaswal | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 10/29/25 14:25 | | Jaswal | OK |
| 13 | ICSADL | ICSADL | ICSA | 10/29/25 14:29 | | Jaswal | OK |
| 14 | ICSABDL | ICSABDL | ICSAB | 10/29/25 14:33 | | Jaswal | OK |
| 15 | CCV01 | CCV01 | CCV | 10/29/25 14:37 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 10/29/25 14:41 | | Jaswal | OK |
| 17 | LR-1 | LR-1 | HIGH STD | 10/29/25 14:46 | | Jaswal | OK |
| 18 | LR-2 | LR-2 | HIGH STD | 10/29/25 14:50 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 10/31/2025 10:49:23 AM |
| Supervise By | Jaswal | Supervise On | 11/03/2025 11:11:21 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | LR-3 | LR-3 | HIGH STD | 10/29/25 14:55 | | Jaswal | OK |
| 20 | Q3465-01 | SU-03-10242025 | SAM | 10/29/25 15:00 | | Jaswal | OK |
| 21 | PB170288BL | PB170288BL | MB | 10/29/25 15:04 | | Jaswal | OK |
| 22 | PB170288BS | PB170288BS | LCS | 10/29/25 15:08 | | Jaswal | OK |
| 23 | Q3447-05DL2 | P001-TW3-251023-01 | SAM | 10/29/25 15:12 | 10X for Cu,Pb | Jaswal | Confirms |
| 24 | Q3466-02 | B8-0.0-1.0-20251023 | SAM | 10/29/25 15:16 | | Jaswal | OK |
| 25 | Q3466-05 | B9-0.0-1.0-20251023 | SAM | 10/29/25 15:20 | | Jaswal | OK |
| 26 | Q3466-07 | B7-1.0-2.0-20251023 | SAM | 10/29/25 15:24 | | Jaswal | OK |
| 27 | CCV02 | CCV02 | CCV | 10/29/25 15:43 | | Jaswal | OK |
| 28 | CCB02 | CCB02 | CCB | 10/29/25 15:48 | | Jaswal | OK |
| 29 | Q3469-01 | TP-13 | SAM | 10/29/25 15:52 | | Jaswal | OK |
| 30 | Q3469-01DUP | TP-13DUP | DUP | 10/29/25 15:56 | | Jaswal | OK |
| 31 | Q3469-01L | TP-13L | SD | 10/29/25 16:00 | | Jaswal | OK |
| 32 | Q3469-01MS | TP-13MS | MS | 10/29/25 16:04 | | Jaswal | OK |
| 33 | Q3469-01MSD | TP-13MSD | MSD | 10/29/25 16:08 | | Jaswal | OK |
| 34 | Q3469-01A | TP-13A | PS | 10/29/25 16:12 | 0.1ml of each m6008 and m6017 in 10ml sample. | Jaswal | OK |
| 35 | PB170264BL | PB170264BL | MB | 10/29/25 16:16 | | Jaswal | OK |
| 36 | PB170264BS | PB170264BS | LCS | 10/29/25 16:24 | | Jaswal | OK |
| 37 | Q3442-01 | SW-1 | SAM | 10/29/25 16:29 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 10/31/2025 10:49:23 AM |
| Supervise By | Jaswal | Supervise On | 11/03/2025 11:11:21 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | Q3464-02 | MW3 | SAM | 10/29/25 16:33 | | Jaswal | OK |
| 39 | CCV03 | CCV03 | CCV | 10/29/25 16:37 | | Jaswal | OK |
| 40 | CCB03 | CCB03 | CCB | 10/29/25 16:41 | | Jaswal | OK |
| 41 | Q3464-01 | MW2 | SAM | 10/29/25 16:45 | | Jaswal | OK |
| 42 | Q3464-01DUP | MW2DUP | DUP | 10/29/25 16:50 | | Jaswal | OK |
| 43 | Q3464-01L | MW2L | SD | 10/29/25 16:54 | | Jaswal | OK |
| 44 | Q3464-01MS | MW2MS | MS | 10/29/25 16:58 | | Jaswal | OK |
| 45 | Q3464-01MSD | MW2MSD | MSD | 10/29/25 17:02 | | Jaswal | OK |
| 46 | Q3464-01A | MW2A | PS | 10/29/25 17:06 | 0.1ml of each m6008 and m6017 in 10ml sample. | Jaswal | OK |
| 47 | Q3476-01 | NB-07-102825 | SAM | 10/29/25 17:19 | | Jaswal | OK |
| 48 | Q3477-01 | SOUTH-MAHWAH-SC | SAM | 10/29/25 17:23 | | Jaswal | OK |
| 49 | CCV04 | CCV04 | CCV | 10/29/25 17:27 | | Jaswal | OK |
| 50 | CCB04 | CCB04 | CCB | 10/29/25 17:31 | | Jaswal | OK |
| 51 | Q3480-01 | RT3449 | SAM | 10/29/25 17:35 | Ag is oversaturated, Need dilution | Jaswal | Dilution |
| 52 | Q3481-01 | OR-02-102825 | SAM | 10/29/25 17:39 | | Jaswal | OK |
| 53 | Q3481-01DUP | OR-02-102825DUP | DUP | 10/29/25 17:43 | | Jaswal | OK |
| 54 | Q3481-01L | OR-02-102825L | SD | 10/29/25 17:48 | | Jaswal | OK |
| 55 | Q3481-01MS | OR-02-102825MS | MS | 10/29/25 17:52 | | Jaswal | OK |
| 56 | Q3481-01MSD | OR-02-102825MSD | MSD | 10/29/25 17:56 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137697

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 10/31/2025 10:49:23 AM |
| Supervise By | Jaswal | Supervise On | 11/03/2025 11:11:21 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q3481-01A | OR-02-102825A | PS | 10/29/25 17:59 | 0.1ml of each m6008 and m6017 in 10ml sample. | Jaswal | OK |
| 58 | CCV05 | CCV05 | CCV | 10/29/25 18:03 | | Jaswal | OK |
| 59 | CCB05 | CCB05 | CCB | 10/29/25 18:07 | | Jaswal | OK |
| 60 | Q3420-05 | COMPOSITE | SAM | 10/29/25 18:12 | Na oversaturated | Jaswal | Dilution |
| 61 | Q3420-05DUP | COMPOSITEDUP | DUP | 10/29/25 18:16 | Na High | Jaswal | Dilution |
| 62 | Q3420-05L | COMPOSITEL | SD | 10/29/25 18:20 | | Jaswal | OK |
| 63 | Q3420-05MS | COMPOSITEMS | MS | 10/29/25 18:25 | Na High | Jaswal | Dilution |
| 64 | Q3420-05MSD | COMPOSITEMSD | MSD | 10/29/25 18:29 | Na High | Jaswal | Dilution |
| 65 | Q3420-05A | COMPOSITEA | PS | 10/29/25 18:33 | Na High, 0.1ml of each m6008 and m6017 in 10ml sample. | Jaswal | Dilution |
| 66 | CCV06 | CCV06 | CCV | 10/29/25 18:55 | | Jaswal | OK |
| 67 | CCB06 | CCB06 | CCB | 10/29/25 19:04 | | Jaswal | OK |

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

PB170264

**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:** 10/27/2025 **Time :** 10:45 **Temp :** 96 °C

**End Digest Date:** 10/27/2025 **Time :** 13:50 **Temp :** 96 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** MET-DIG. #1

**Dig Technician Signature:** SPS.

**Supervisor Signature:**

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 0.25 | M6209 |
| LFS-2 | 0.25 | M6201 |
| 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 | MP87148 |
| 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 96C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 10/27/25 1430 | SPS met dig | SO (Metals Lab) |
| | Preparation Group | Analysis Group |

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**Water Metals Preparation Sheet**

**PB170264**

| Lab Sample ID | Client Sample ID | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB170264BL | PBW264 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 27 |
| PB170264BS | LCS264 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | M6209,M6201 | 28 |
| Q3442-01 | SW-1 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 29 |
| Q3464-01 | MW2 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 30 |
| Q3464-01MS | MW2MS | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | M6209,M6201 | 32 |
| Q3464-01MSD | MW2MSD | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | M6209,M6201 | 33 |
| Q3464-01DUP | MW2DUP | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 31 |
| Q3464-02 | MW3 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 34 |

# SAMPLE DATA

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 09:35 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW2 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-01 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | 136 | | 1 | 1.00 | 2.00 | mg/L | | 11/04/25 08:41 | SM 2320 B-21 |
| Sulfate | 1080 | OR | 1 | 0.46 | 3.00 | mg/L | | 10/27/25 13:04 | 300.0 |
| COD | 25.9 | | 1 | 1.50 | 10.0 | mg/L | | 10/30/25 13:52 | SM 5220 D-11 |

Comments: The alkalinity to pH 4.29=136 mg CaCO3/L

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
H = Sample Analysis Out Of Hold Time
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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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 09:35 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW2DL | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-01DL | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 764 | D | 50 | 23.0 | 150 | mg/L | | 10/27/25 14:30 | 300.0 |

Comments:

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
H = Sample Analysis Out Of Hold Time

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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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 09:55 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW3 | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-02 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity | 258 | | 1 | 1.00 | 2.00 | mg/L | | 11/04/25 08:50 | SM 2320 B-21 |
| Sulfate | 373 | OR | 1 | 0.46 | 3.00 | mg/L | | 10/27/25 14:09 | 300.0 |
| COD | 37.0 | | 1 | 1.50 | 10.0 | mg/L | | 10/30/25 13:54 | SM 5220 D-11 |

Comments: The alkalinity to pH 4.27=258 mg CaCO3/L

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
H = Sample Analysis Out Of Hold Time
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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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 10/24/25 09:55 |
| Project: | Buffington | Date Received: | 10/24/25 |
| Client Sample ID: | MW3DL | SDG No.: | Q3464 |
| Lab Sample ID: | Q3464-02DL | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 291 | D | 20 | 9.20 | 60.0 | mg/L | | 10/27/25 14:52 | 300.0 |

Comments:

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
H = Sample Analysis Out Of Hold Time
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

# QC RESULT SUMMARY

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# Initial and Continuing Calibration Verification

**Client:** G Environmental **SDG No.:** Q3464

**Project:** Buffington **RunNo.:** LB137654

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|
| **Sample ID: ICV1** | | | | | | |
| Bromide | mg/L | 9.8 | 10 | 98 | 90-110 | 10/09/2025 |
| Chloride | mg/L | 2.9 | 3 | 97 | 90-110 | 10/09/2025 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 10/09/2025 |
| Nitrite | mg/L | 2.9 | 3 | 97 | 90-110 | 10/09/2025 |
| Nitrate | mg/L | 2.4 | 2.5 | 96 | 90-110 | 10/09/2025 |
| Sulfate | mg/L | 14.7 | 15 | 98 | 90-110 | 10/09/2025 |
| Orthophosphate as P | mg/L | 5 | 5 | 100 | 90-110 | 10/09/2025 |
| **Sample ID: CCV1** | | | | | | |
| Bromide | mg/L | 10.3 | 10 | 103 | 90-110 | 10/27/2025 |
| Chloride | mg/L | 3.1 | 3 | 103 | 90-110 | 10/27/2025 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 10/27/2025 |
| Nitrite | mg/L | 3.1 | 3 | 103 | 90-110 | 10/27/2025 |
| Nitrate | mg/L | 2.6 | 2.5 | 104 | 90-110 | 10/27/2025 |
| Sulfate | mg/L | 15.2 | 15 | 101 | 90-110 | 10/27/2025 |
| Orthophosphate as P | mg/L | 4.7 | 5 | 94 | 90-110 | 10/27/2025 |
| **Sample ID: CCV2** | | | | | | |
| Bromide | mg/L | 10.3 | 10 | 103 | 90-110 | 10/27/2025 |
| Chloride | mg/L | 3.1 | 3 | 103 | 90-110 | 10/27/2025 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 10/27/2025 |
| Nitrite | mg/L | 3.1 | 3 | 103 | 90-110 | 10/27/2025 |
| Nitrate | mg/L | 2.6 | 2.5 | 104 | 90-110 | 10/27/2025 |
| Sulfate | mg/L | 15.2 | 15 | 101 | 90-110 | 10/27/2025 |
| Orthophosphate as P | mg/L | 4.8 | 5 | 96 | 90-110 | 10/27/2025 |

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# Initial and Continuing Calibration Verification

| | | | |
|---|---|---|---|
| **Client:** | G Environmental | **SDG No.:** | Q3464 |
| **Project:** | Buffington | **RunNo.:** | LB137720 |

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|
| **Sample ID:** **ICV** | | | | | | |
| COD | mg/L | 50.173 | 50 | 100 | 95-105 | 09/08/2025 |
| **Sample ID:** **CCV1** | | | | | | |
| COD | mg/L | 49.161 | 50 | 98 | 95-105 | 10/30/2025 |
| **Sample ID:** **CCV2** | | | | | | |
| COD | mg/L | 48.150 | 50 | 96 | 95-105 | 10/30/2025 |

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# Initial and Continuing Calibration Blank Summary

**Client:** G Environmental **SDG No.:** Q3464

**Project:** Buffington **RunNo.:** LB137654

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID:** ICB1 | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.37 | 2 | 10/09/2025 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.19 | 0.6 | 10/09/2025 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.11 | 0.4 | 10/09/2025 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.074 | 0.6 | 10/09/2025 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.095 | 0.5 | 10/09/2025 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.46 | 3 | 10/09/2025 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.34 | 1 | 10/09/2025 |
| **Sample ID:** CCB1 | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.37 | 2 | 10/27/2025 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.19 | 0.6 | 10/27/2025 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.11 | 0.4 | 10/27/2025 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.074 | 0.6 | 10/27/2025 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.095 | 0.5 | 10/27/2025 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.46 | 3 | 10/27/2025 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.34 | 1 | 10/27/2025 |
| **Sample ID:** CCB2 | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.37 | 2 | 10/27/2025 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.19 | 0.6 | 10/27/2025 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.11 | 0.4 | 10/27/2025 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.074 | 0.6 | 10/27/2025 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.095 | 0.5 | 10/27/2025 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.46 | 3 | 10/27/2025 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.34 | 1 | 10/27/2025 |

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# Initial and Continuing Calibration Blank Summary

| | | | |
|---|---|---|---|
| **Client:** | G Environmental | **SDG No.:** | Q3464 |
| **Project:** | Buffington | **RunNo.:** | LB137720 |

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID:** **ICB** | | | | | | | |
| COD | mg/L | < 5.0000 | 5.0000 | U | 1.50 | 10 | 09/08/2025 |
| **Sample ID:** **CCB1** | | | | | | | |
| COD | mg/L | < 5.0000 | 5.0000 | U | 1.50 | 10 | 10/30/2025 |
| **Sample ID:** **CCB2** | | | | | | | |
| COD | mg/L | < 5.0000 | 5.0000 | U | 1.50 | 10 | 10/30/2025 |

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# Preparation Blank Summary

**Client:** G Environmental **SDG No.:** Q3464

**Project:** Buffington

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID:** LB137654BLW | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.37 | 2 | 10/27/2025 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.19 | 0.6 | 10/27/2025 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.11 | 0.4 | 10/27/2025 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.074 | 0.6 | 10/27/2025 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.095 | 0.5 | 10/27/2025 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.46 | 3 | 10/27/2025 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.34 | 1 | 10/27/2025 |
| **Sample ID:** LB137720BL | | | | | | | |
| COD | mg/L | < 5.0000 | 5.0000 | U | 1.5 | 10.0 | 10/30/2025 |
| **Sample ID:** LB137753BLW | | | | | | | |
| Alkalinity | mg/L | < 1.0000 | 1.0000 | U | 1 | 2 | 11/04/2025 |

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# Matrix Spike Summary

**Client:** G Environmental
**Project:** Buffington
**Client ID:** MW2MS
**SDG No.:** Q3464
**Sample ID:** Q3464-01
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COD | mg/L | 75-125 | 73.4 | | 25.9 | | 50.0 | 1 | 95 | | 10/30/2025 |
| Bromide | mg/L | 80-120 | 10.1 | | 0.37 | U | 10 | 1 | 101 | | 10/27/2025 |
| Chloride | mg/L | 80-120 | 12.6 | OR | 9.90 | OR | 3 | 1 | 90 | | 10/27/2025 |
| Fluoride | mg/L | 80-120 | 2.30 | | 0.28 | J | 2 | 1 | 101 | | 10/27/2025 |
| Nitrite | mg/L | 80-120 | 3.10 | | 0.23 | J | 3 | 1 | 96 | | 10/27/2025 |
| Nitrate | mg/L | 80-120 | 6.90 | OR | 4.60 | | 2.5 | 1 | 92 | | 10/27/2025 |
| Sulfate | mg/L | 80-120 | 1050 | OR | 1080 | OR | 15 | 1 | -200 | * | 10/27/2025 |
| Orthophosphate as P | mg/L | 80-120 | 5.30 | | 0.34 | U | 5 | 1 | 106 | | 10/27/2025 |

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# Matrix Spike Summary

**Client:** G Environmental
**Project:** Buffington
**Client ID:** MW2MSD
**SDG No.:** Q3464
**Sample ID:** Q3464-01
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COD | mg/L | 75-125 | 75.5 | | 25.9 | | 50.0 | 1 | 99 | | 10/30/2025 |
| Bromide | mg/L | 80-120 | 9.70 | | 0.37 | U | 10 | 1 | 97 | | 10/27/2025 |
| Chloride | mg/L | 80-120 | 12.5 | OR | 9.90 | OR | 3 | 1 | 87 | | 10/27/2025 |
| Fluoride | mg/L | 80-120 | 2.20 | | 0.28 | J | 2 | 1 | 96 | | 10/27/2025 |
| Nitrite | mg/L | 80-120 | 3.00 | | 0.23 | J | 3 | 1 | 92 | | 10/27/2025 |
| Nitrate | mg/L | 80-120 | 6.80 | OR | 4.60 | | 2.5 | 1 | 88 | | 10/27/2025 |
| Sulfate | mg/L | 80-120 | 1050 | OR | 1080 | OR | 15 | 1 | -200 | * | 10/27/2025 |
| Orthophosphate as P | mg/L | 80-120 | 4.90 | | 0.34 | U | 5 | 1 | 98 | | 10/27/2025 |

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# Duplicate Sample Summary

**Client:** G Environmental
**Project:** Buffington
**Client ID:** MW2DUP
**SDG No.:** Q3464
**Sample ID:** Q3464-01
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| COD | mg/L | +/-20 | 25.9 | | 24.9 | | 1 | 3.94 | | 10/30/2025 |
| Alkalinity | mg/L | +/-20 | 136 | | 136 | | 1 | 0 | | 11/04/2025 |

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# Duplicate Sample Summary

**Client:** G Environmental
**Project:** Buffington
**Client ID:** MW2MSD
**SDG No.:** Q3464
**Sample ID:** Q3464-01
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | +/-20 | 1050 | OR | 1050 | OR | 1 | 0 | | 10/27/2025 |
| Chloride | mg/L | +/-20 | 12.6 | OR | 12.5 | OR | 1 | 1 | | 10/27/2025 |
| Nitrate | mg/L | +/-20 | 6.90 | OR | 6.80 | OR | 1 | 1 | | 10/27/2025 |
| Nitrite | mg/L | +/-20 | 3.10 | | 3.00 | | 1 | 3 | | 10/27/2025 |
| Bromide | mg/L | +/-20 | 10.1 | | 9.70 | | 1 | 4 | | 10/27/2025 |
| Fluoride | mg/L | +/-20 | 2.30 | | 2.20 | | 1 | 4 | | 10/27/2025 |
| Orthophosphate as P | mg/L | +/-20 | 5.30 | | 4.90 | | 1 | 8 | | 10/27/2025 |
| COD | mg/L | +/-20 | 73.4 | | 75.5 | | 1 | 2.82 | | 10/30/2025 |

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# Laboratory Control Sample Summary

**Client:** G Environmental **SDG No.:** Q3464

**Project:** Buffington **Run No.:** LB137654

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| **Sample ID** LB137654BSW | | | | | | | | |
| Bromide | mg/L | 10 | 10.3 | | 103 | 1 | 90-110 | 10/27/2025 |
| Chloride | mg/L | 3 | 3.10 | | 103 | 1 | 90-110 | 10/27/2025 |
| Fluoride | mg/L | 2 | 2.00 | | 100 | 1 | 90-110 | 10/27/2025 |
| Nitrite | mg/L | 3 | 3.10 | | 103 | 1 | 90-110 | 10/27/2025 |
| Nitrate | mg/L | 2.5 | 2.60 | | 104 | 1 | 90-110 | 10/27/2025 |
| Sulfate | mg/L | 15 | 15.5 | | 103 | 1 | 90-110 | 10/27/2025 |
| Orthophosphate as P | mg/L | 5 | 5.00 | | 100 | 1 | 90-110 | 10/27/2025 |

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# Laboratory Control Sample Summary

| | | | |
|---|---|---|---|
| **Client:** | G Environmental | **SDG No.:** | Q3464 |
| **Project:** | Buffington | **Run No.:** | LB137720 |

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| **Sample ID** LB137720BS | | | | | | | | |
| COD | mg/L | 50 | 51.2 | | 102 | 1 | 90-110 | 10/30/2025 |

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# Laboratory Control Sample Summary

**Client:** G Environmental **SDG No.:** Q3464

**Project:** Buffington **Run No.:** LB137753

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| **Sample ID** LB137753BSW | | | | | | | | |
| Alkalinity | mg/L | 50 | 57.3 | | 115 | 1 | 80-120 | 11/04/2025 |

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**Instrument ID:** IC-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137654

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 10/30/2025 9:13:04 AM |
| Supervise By | Iwona | Supervise On | 10/30/2025 10:03:16 AM |
| SubDirectory | LB137654 | Test | Anions |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP115135,WP115136,WP115137,WP115138,WP115139,WP115140,WP115141 |
| ICV Standard | WP115142 |
| CCV Standard | WP115346 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | WP115347 |
| Chk Standard | WP115144,WP115345 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | STD1 | STD1 | CAL1 | 10/09/25 10:46 | All standards, samples, and | RM/IZ | OK |
| 2 | STD2 | STD2 | CAL2 | 10/09/25 11:08 | QC are filtered through | RM/IZ | OK |
| 3 | STD3 | STD3 | CAL3 | 10/09/25 11:29 | 0.45um, filter lot W3160 | RM/IZ | OK |
| 4 | STD4 | STD4 | CAL4 | 10/09/25 11:51 | | RM/IZ | OK |
| 5 | STD5 | STD5 | CAL5 | 10/09/25 12:12 | | RM/IZ | OK |
| 6 | STD6 | STD6 | CAL6 | 10/09/25 12:34 | | RM/IZ | OK |
| 7 | STD7 | STD7 | CAL7 | 10/09/25 12:55 | | RM/IZ | OK |
| 8 | ICV1 | ICV1 | ICV | 10/09/25 13:16 | | RM/IZ | OK |
| 9 | ICB1 | ICB1 | ICB | 10/09/25 13:38 | | RM/IZ | OK |
| 10 | CCV1 | CCV1 | CCV | 10/27/25 11:38 | | RM/IZ | OK |
| 11 | CCB1 | CCB1 | CCB | 10/27/25 12:00 | | RM/IZ | OK |
| 12 | LB137654BLW | LB137654BLW | MB | 10/27/25 12:21 | | RM/IZ | OK |
| 13 | LB137654BSW | LB137654BSW | LCS | 10/27/25 12:43 | | RM/IZ | OK |
| 14 | Q3464-01 | MW2 | SAM | 10/27/25 13:04 | SO4 is high , need dilution | RM/IZ | Dilution |
| 15 | Q3464-01MS | MW2MS | MS | 10/27/25 13:26 | 9.5ml of sample, 0.5mL W3096 | RM/IZ | OK |
| 16 | Q3464-01MSD | MW2MSD | MSD | 10/27/25 13:47 | 9.5ml of sample, 0.5mL W3096 | RM/IZ | OK |
| 17 | Q3464-02 | MW3 | SAM | 10/27/25 14:09 | SO4 is high , need dilution | RM/IZ | Dilution |
| 18 | Q3464-01DL | MW2DL | SAM | 10/27/25 14:30 | 50X For SO4 | RM/IZ | Confirms |

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**Instrument ID:** IC-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137654

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 10/30/2025 9:13:04 AM |
| Supervise By | Iwona | Supervise On | 10/30/2025 10:03:16 AM |
| SubDirectory | LB137654 | Test | Anions |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP115135,WP115136,WP115137,WP115138,WP115139,WP115140,WP115141 |
| ICV Standard | WP115142 |
| CCV Standard | WP115346 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | WP115347 |
| Chk Standard | WP115144,WP115345 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3464-02DL | MW3DL | SAM | 10/27/25 14:52 | 20X For SO2 | RM/IZ | Confirms |
| 20 | CCV2 | CCV2 | CCV | 10/27/25 15:13 | | RM/IZ | OK |
| 21 | CCB2 | CCB2 | CCB | 10/27/25 15:35 | | RM/IZ | OK |

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**Instrument ID:** SPECTROPHOTOMETER-2

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137720

| | | | |
|---|---|---|---|
| Review By | Iwona | Review On | 10/30/2025 2:26:38 PM |
| Supervise By | jignesh | Supervise On | 10/30/2025 3:34:51 PM |
| SubDirectory | LB137720 | Test | COD |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115326,WP115327,WP1 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | CAL1 | CAL1 | CAL | 09/08/25 13:30 | | Iwona | OK |
| 2 | CAL2 | CAL2 | CAL | 09/08/25 13:30 | | Iwona | OK |
| 3 | CAL3 | CAL3 | CAL | 09/08/25 13:31 | | Iwona | OK |
| 4 | CAL4 | CAL4 | CAL | 09/08/25 13:31 | | Iwona | OK |
| 5 | CAL5 | CAL5 | CAL | 09/08/25 13:32 | | Iwona | OK |
| 6 | CAL6 | CAL6 | CAL | 09/08/25 13:32 | | Iwona | OK |
| 7 | ICV | ICV | ICV | 09/08/25 13:33 | | Iwona | OK |
| 8 | ICB | ICB | ICB | 09/08/25 13:33 | | Iwona | OK |
| 9 | CCV1 | CCV1 | CCV | 10/30/25 13:50 | | Iwona | OK |
| 10 | CCB1 | CCB1 | CCB | 10/30/25 13:50 | | Iwona | OK |
| 11 | RL Check | RL Check | RL | 10/30/25 13:51 | | Iwona | OK |
| 12 | LB137720BL | LB137720BL | MB | 10/30/25 13:51 | | Iwona | OK |
| 13 | LB137720BS | LB137720BS | LCS | 10/30/25 13:52 | | Iwona | OK |
| 14 | Q3464-01 | MW2 | SAM | 10/30/25 13:52 | | Iwona | OK |
| 15 | Q3464-01DUP | MW2DUP | DUP | 10/30/25 13:53 | | Iwona | OK |
| 16 | Q3464-01MS | MW2MS | MS | 10/30/25 13:53 | | Iwona | OK |
| 17 | Q3464-01MSD | MW2MSD | MSD | 10/30/25 13:54 | | Iwona | OK |
| 18 | Q3464-02 | MW3 | SAM | 10/30/25 13:54 | | Iwona | OK |

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**Instrument ID:** SPECTROPHOTOMETER-2

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137720

| | | | |
|---|---|---|---|
| Review By | Iwona | Review On | 10/30/2025 2:26:38 PM |
| Supervise By | jignesh | Supervise On | 10/30/2025 3:34:51 PM |
| SubDirectory | LB137720 | Test | COD |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115326,WP115327,WP1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3477-03 | SOUTH-MAHWAH-W | SAM | 10/30/25 13:55 | | Iwona | OK |
| 20 | CCV2 | CCV2 | CCV | 10/30/25 13:55 | | Iwona | OK |
| 21 | CCB2 | CCB2 | CCB | 10/30/25 13:56 | | Iwona | OK |

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**Instrument ID:** TITRATOR

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137753

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/5/2025 10:42:04 AM |
| Supervise By | Iwona | Supervise On | 11/5/2025 12:21:21 PM |
| SubDirectory | LB137753 | Test | Alkalinity |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | WP115422 |
| Chk Standard | W3217,W3178,W3150 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | LB137753BLW | LB137753BLW | MB | 11/04/25 08:30 | pH=3.57 | Eman | OK |
| 2 | LB137753BSW | LB137753BSW | LCS | 11/04/25 08:35 | pH=4.38 | Eman | OK |
| 3 | Q3464-01 | MW2 | SAM | 11/04/25 08:41 | pH=4.29 | Eman | OK |
| 4 | Q3464-01DUP | MW2DUP | DUP | 11/04/25 08:46 | pH=4.32 | Eman | OK |
| 5 | Q3464-02 | MW3 | SAM | 11/04/25 08:50 | pH=4.27 | Eman | OK |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3464 | **OrderDate:** | 10/24/2025 2:03:00 PM |
| **Client:** | G Environmental | **Project:** | Buffington |
| **Contact:** | Gary Landis | **Location:** | J51,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3464-01** | **MW2** | **WATER** | | | **10/24/25 09:35** | | | **10/24/25** |
| | | | Alkalinity | SM2320 B | | | 11/04/25 08:41 | |
| | | | Anions Group1 | 300.0 | | | 10/27/25 13:04 | |
| | | | COD | SM5220 D | | | 10/30/25 13:52 | |
| **Q3464-01DL** | **MW2DL** | **WATER** | | | **10/24/25 09:35** | | | **10/24/25** |
| | | | Anions Group1 | 300.0 | | | 10/27/25 14:30 | |
| **Q3464-02** | **MW3** | **WATER** | | | **10/24/25 09:55** | | | **10/24/25** |
| | | | Alkalinity | SM2320 B | | | 11/04/25 08:50 | |
| | | | Anions Group1 | 300.0 | | | 10/27/25 14:09 | |
| | | | COD | SM5220 D | | | 10/30/25 13:54 | |
| **Q3464-02DL** | **MW3DL** | **WATER** | | | **10/24/25 09:55** | | | **10/24/25** |
| | | | Anions Group1 | 300.0 | | | 10/27/25 14:52 | |

# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q 3464
QUOTE NO.
COC Number 2044555

8
8.1

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G environmental
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE NJ ZIP:
ATTENTION:
PHONE: FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: Buffington
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER:
e-mail:
PHONE: FAX:

## CLIENT BILLING INFORMATION

BILL TO: G environmental PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
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) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYSASP A ☐ NYSASP B
☐ (Other)
X EDD FORMAT Excel

## ANALYSIS

1: Full Volatiles 2: Sulfate 3: Alkalinity 4: Sodium 5: Iron 6: COD 7: Fe, Mn 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | MW2 | GW | | X | 10/24/25 | 0935 | 5 | A | E | E | HN03 | C | | | | |
| 2. | MW3 | GW | | X | 10/24/25 | 1050 | 5 | A | E | E | HN03 | C | | | | |
| 3. | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

## COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 10/24/25 1350 | 1. |
| 2. | | 2. |
| 3. | | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: Sodium Manganese Iron

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO



WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255425 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | TX-C25-00189 |
| Virginia | 460312 |

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Fax : 908 789 8922



# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID :** | Q3464 GENV01 | **Order Date :** | 10/24/2025 2:03:00 PM | **Project Mgr :** | |
| **Client Name :** | G Environmental | **Project Name :** | Buffington | **Report Type :** | NJ Reduced |
| **Client Contact :** | Gary Landis | **Receive DateTime :** | 10/24/2025 1:50:00 PM | **EDD Type :** | NJ HAZSITE |
| **Invoice Name :** | G Environmental | **Purchase Order :** | | **Hard Copy Date :** | |
| **Invoice Contact :** | Gary Landis | | | **Date Signoff :** | |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q3464-01 | MW2 | Water | 10/24/2025 | 09:35 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q3464-02 | MW3 | Water | 10/24/2025 | 09:55 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |

Rgh 4

**Relinguished By :** CF

**Date / Time :** 10/24/25 14:16

**Received By :** [signature]

**Date / Time :** 10/24/25 14:16

**Storage Area :** VOA Refridgerator Room